

Anexo 1 - Código fonte Monitoramento PDE

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Histórico de versionamento de arquivos

Data de backup de arquivos: 28/03/2017	
Templates	
monitoramento.php	25/03/2017
cadastro_instrumento.php	25/03/2017
cadastro_variavel.php	25/03/2017
header.php	25/03/2017
cadastro_fonte_dados.php	22/03/2017
cadastro_indicador.php	22/03/2017
footer.php	21/03/2017
content-indicadores.php	05/12/2016
content-dados-abertos.php	05/12/2016
content-acoes-prioritarias.php	05/12/2016
page-no-header.php	02/12/2016
acoes-prioritarias.php	13/10/2016
dados-abertos.php	13/10/2016
indicadores.php	13/10/2016
content-page.php	13/10/2016
page-header.php	13/10/2016
page.php	25/08/2016
comments.php	15/06/2016
content.php	15/06/2016
content-search.php	15/06/2016
content-single.php	15/06/2016
entry-meta.php	15/06/2016
head.php	15/06/2016

sidebar.php	15/06/2016
Lib	
api.php	25/03/2017

Data de backup de arquivos: 30/01/2017	
Templates	
monitoramento.php	30/01/2017
content-indicadores.php	05/12/2016
content-dados-abertos.php	05/12/2016
content-acoes-prioritarias.php	05/12/2016
page-no-header.php	02/12/2016
footer.php	14/10/2016
header.php	14/10/2016
acoes-prioritarias.php	13/10/2016
dados-abertos.php	13/10/2016
indicadores.php	13/10/2016
content-page.php	13/10/2016
page-header.php	13/10/2016
page.php	25/08/2016
comments.php	15/06/2016
content.php	15/06/2016
content-search.php	15/06/2016
content-single.php	15/06/2016
entry-meta.php	15/06/2016
header.php	15/06/2016
sidebar.php	15/06/2016
template-custom-example.php	15/06/2016
Lib	
api.php	30/01/2017

Data de backup de arquivos: 23/11/2016	
Templates	
monitoramento.php	22/11/2016
content-dados-abertos.php	18/10/2016
content-acoes-prioritarias.php	14/10/2016
content-indicadores.php	14/10/2016
footer.php	14/10/2016
header.php	14/10/2016
acoes-prioritarias.php	13/10/2016
dados-abertos.php	13/10/2016
indicadores.php	13/10/2016
content-page.php	13/10/2016
page-header.php	13/10/2016

page.php	25/08/2016
comments.php	15/06/2016
content.php	15/06/2016
content-search.php	15/06/2016
content-single.php	15/06/2016
entry-meta.php	15/06/2016
head.php	15/06/2016
sidebar.php	15/06/2016
Lib	
api.php	21/11/2016
Estilo	
style.css	14/10/2016

Bibliotecas utilizadas

- Highcharts 4.2.5
- Angular 1.5.8
- OpenLayers 3.17
- AngularuiBootstrap 2.0.2
- Bootstrap 3.3.7
- JS-XLSX

Style.css

```
/*
Theme Name: Monitoramento do Plano diretor estratégico
Theme URI: http://gestaourbana.prefeitura.sp.gov.br/marco-
regulatorio/plano-diretor/
Description: Tema para o portal de indicadores do plano diretor. <a
href="https://github.com/felipematheus/monitoramento_pde">GitHub</a>
Version: 1.0
Author: Felipe Matheus Rosa
Author URI: http://fmr.io
Text Domain: sage
License: MIT License
License URI: http://opensource.org/licenses/MIT
*/
```

`@font-face {`

```
    font-family: museo_slab500;
    src: url('assets/fonts/museoslab_500/museo_slab_500-webfont.eot');
    src: url('assets/fonts/museoslab_500/museo_slab_500-webfont.eot?#iefix')
format('embedded-opentype'),
    url('assets/fonts/museoslab_500/museo_slab_500-webfont.woff')
format('woff'),
    url('assets/fonts/museoslab_500/museo_slab_500-webfont.ttf')
format('truetype'),
    url('assets/fonts/museoslab_500/museo_slab_500-
webfont.svg#museo_slab500') format('svg');
    font-weight: normal;
    font-style: normal;
}
```

```
@font-face {
    font-family: museo_sans300;
    src: url('assets/fonts/museosans_300/museosans-300-webfont.eot');
    src: url('assets/fonts/museosans_300/museosans-300-webfont.eot?#iefix')
format('embedded-opentype'),
    url('assets/fonts/museosans_300/museosans-300-webfont.woff')
format('woff'),
    url('assets/fonts/museosans_300/museosans-300-webfont.ttf')
format('truetype'),
    url('assets/fonts/museosans_300/museosans-
300-webfont.svg#museo_sans300') format('svg');
    font-weight: normal;
    font-style: normal;
}
```

```
@font-face {
    font-family: museo_sans500;
    src: url('assets/fonts/museosans_500/museosans-500-webfont.eot');
    src: url('assets/fonts/museosans_500/museosans-500-webfont.eot?#iefix')
format('embedded-opentype'),
    url('assets/fonts/museosans_500/museosans-500-webfont.woff')
format('woff'),
    url('assets/fonts/museosans_500/museosans-500-webfont.ttf')
format('truetype'),
    url('assets/fonts/museosans_500/museosans-
500-webfont.svg#museo_sans500') format('svg');
    font-weight: normal;
    font-style: normal;
}
```

```

@font-face {
    font-family: museo_700;
    src: url('assets/fonts/museo_700/museo700-regular-webfont.eot');
    src: url('assets/fonts/museo_700/museo700-regular-webfont.eot?#iefix')
format('embedded-opentype'),
        url('assets/fonts/museo_700/museo700-regular-webfont.woff')
format('woff'),
        url('assets/fonts/museo_700/museo700-regular-webfont.ttf')
format('truetype'),
        url('assets/fonts/museo_700/museo700-regular-webfont.svg#museo_700')
format('svg');
    font-weight: normal;
    font-style: normal;
}

body{
    font-family:museo_slab500, museo_sans500;
}
/* template header.php */
.navbar-default .navbar-brand{
    font-size:21px;
    font-weight:bold;
    color:#5e5e5e;
}

.navbar-default .navbar-brand:hover{
    color:#252525;
}

#navbar-gestao, #navbar-prefeitura{
    height:110%;
    text-align:center;
}

#menu-secoes{
    font-size:13px;
}

.menu-secoes-toggle{
    width:100%;
```

```

}

header .navbar{
    margin-bottom: 15px;
    /*padding-bottom:12px;*/
    border-radius: 0;
}

header .navbar a{
    color:#777;
}

header .nav-pills>li>a{
    border-radius:12px;
}

header .navbar a:hover, .navbar a:focus{
    color:#252525;
}

@media(max-width:767px){
    .brand-title{
        line-height:30px;
        text-align:center;
        height:auto;
    }
}

@media(min-width: 768px) {
    header nav .container, .navbar-collapse{
        padding-left:0px;
        padding-right:0px;
    }
    #menu-secoes li a{
        padding:12px;
    }
}

@media (max-width: 992px) and (min-width:768px) {
    #navbar-gestao{
        height:55%;
}

```

```
}

#navbar-prefeitura{
    height:75%;
}
}

@media (min-width: 1200px) {
    .container{
        /*max-width: 960px;*/
    }
}

/* template */
/* carrosel */

.carousel{
    background-color:#f8f8f8;
    border-color:#e7e7e7;
    border-width:1px;
    border-style:solid;
}

/* texto */
.carousel-caption h4{
    font-size:21px;
    color: #5e5e5e;
    text-shadow:0 0px 0px rgba(100,100,100,0.6);
}

.carousel-caption{
    right:9%;
    left:9%;
    color:#777;
    text-shadow:0 0px 0px rgba(130,130,130,0.6);
    padding-bottom: 5px;
    bottom:auto;
    top:0px;
    padding-top:20px;
    padding-bottom:20px;
}
```

```

.slide-carrosel{
    min-height:160px;
    height:auto;
    display:inline-block;
}

/* setas */
.carousel-control{
    width:8%;
    border-radius:8px;
}

.carousel-control span{
    color:#5e5e5e;
}

.carousel-control.left{
    background-image:none;
    /*background-image: linear-gradient(to right,rgba(180,180,180,1)
0,rgba(248,248,248,0.3) 100%);*/
}

.carousel-control.right{
    background-image:none;
    /*background-image: linear-gradient(to right,rgba(248,248,248,0.3)
0,rgba(180,180,180,1) 100%);*/
}

/* botoes de paginacao */

.carousel-indicators{
    text-align:right;
    bottom:5px;
    margin-bottom:0px;
    right:0;
    left:auto;
    margin-right:9%;
}
.carousel-indicators .active{
    background-color:#252525;
}

```

```
}

.carousel-indicators li{
    background-color:#777;
}

/* tabs */
.uib-tab.nav-item a{
    color:#777;
}

.uib-tab.nav-item a:hover{
    color:#252525;
}

.uib-tab.nav-item.active a{
    color:#ddd;
    background-color:#5e5e5e;
}

.uib-tab.nav-item.active a:hover, .uib-tab.nav-item.active
a:focus{ color:#fff;
background-color:#5e5e5e;
}

.uib-tab.nav-item{
    margin-right:8px;
}

/* links */

@media (min-width: 768px) {
    .list-group-item{
        border:0;
    }
}
```

```
.list-group-item a{
    color:#555;
}

.list-group-item a:hover{
    color:#000;
}

/* Descricao forma de visualizacao */

.titulo-forma-visu{
    color:black;
    font-weight:bold;
}

#saiba-mais, .link-saiba-mais{
    font-weight:bold;
}

.link-saiba-mais{
    color: #000;
    padding-left:5px;
    padding-right:5px;
}

.link-saiba-mais:hover{
    color: #000;
}

/* painel de indicadores */

.panel-heading{
    color:black !important;
    background-color:#E5E5E5 !important;
    /*border-color:#ff6666 !important;*/
    border-width:1px;
    border-style:dotted;
}
```

```
.panel-heading small{
    color:#black;
}

/* saiba mais */

.icones-indicador{
    height:30px;
    padding-left:8px;
}

.icones-saiba-mais, .icones-visualizacao{
    height:30px;
    display:inline-block;
    padding:0;
}

.icones-visualizacao{
    height:auto;
    max-height:60px;
    width:auto;
}

.list-visualizacao a span{
    padding-left:0px;
    padding-right:0;
}

.list-visualizacao{
    padding-bottom:0;
    padding-top:0;
    padding-left:10px;
    margin-bottom:7px;
    padding-right:10px;
}

.link-saiba-mais-indicador{
```

```
padding-top:5px;
padding-bottom:5px;
display:block;
}

.link-saiba-mais-indicador span{
    font-size:120%;
}

.icones-redes-sociais{
    color:white;
    font-size:120%;
    border-radius:50%;
    width:30px;
    height:30px;
    text-align:center;
    padding:7px;
    background-color:#db2c30;
    margin-right:4px;
    margin-left:4px;
}

.img-rodape{
    margin:0 auto;
    max-width:250px;
}

.link-rodape{
    padding-bottom:8px;
    display:block;
    color:#db2c30;
}

.link-rodape:hover{
    color:#db2c30;
}

footer{
    border-color:#e7e7e7;
    border-width:1px;
```

```
border-style:solid;
}

#conteudo{
    margin-bottom:15px;
}

.list-pontilhada{
    /*border-bottom-color:#211D1F;
    border-bottom-width:2px;
    border-bottom-style:dotted;*/
    border-top-color:#211D1F;
    border-top-width:2px;
    border-top-style:dotted;
    font-size:85%;
    border-bottom-left-radius:0px !important;
    border-bottom-right-radius:0px !important;
    border-top-left-radius:0px !important;
    border-top-right-radius:0px !important;
}

.list-pontilhada:last-child{
    border-bottom-color:#211D1F;
    border-bottom-width:2px;
    border-bottom-style:dotted;
}

.acao-prioritaria:first-letter, .acao-prioritaria-cbo
    select{ text-transform:capitalize;
}

.acao-prioritaria{
    text-align:left;
}

.ol-scale-line{
    right:0;
    left:auto;
    background-color:#FBD1CD;
}
```

```
.ol-scale-line-inner{  
    color:#777;  
}  
  
.oculto{  
    visibility:hidden;  
}  
  
.page-header{  
    margin-top:0px !important;  
}  
  
.content-page{  
    line-height:2;  
}  
  
.content-page p:last-child{  
    margin-bottom:20px;  
}  
  
.link-pagina{  
    color:#db2c30;  
}  
  
.link-pagina:hover{  
    color:#db2c30;  
}  
  
.subtitulo-instrumento p{  
    font-size:12px;  
}  
  
.quebra-linha{  
    white-space: pre-line;  
}
```

```
.primeira-maiuscula {
    text-transform: capitalize;
}
.descricao-cadastro{
    margin-top:-0.8em;
    margin-bottom:0.3;
    line-height:1.5;
}

.elemento-cadastro{
    margin-top:1em;
    margin-bottom:1em;
}

.controle-cadastro{
    height:2em;
}

/* Text Replaces */

h1.entry-title{
    visibility: hidden;
}
h1.entry-title:after{
    content:"Fórum";
    display: block;
    visibility: visible;
}

.bbp-author-avatar{
    display: none;
}

.forum-titles .bbp-forum-freshness, .forum-titles .bbp-topic-
freshness{ visibility: hidden;
}
```

```

.forum-titles .bbp-forum-freshness:after, .forum-titles .bbp-topic-freshness:after{
    content:"Última Postagem";
    visibility: visible;
    margin-left: -20%;
}

.forum-titles .bbp-topic-title{
    visibility: hidden;
}

.forum-titles .bbp-topic-title:after{
    content:"Tópico";
    visibility: visible;
    margin-left: -5%;
}
#subscription-toggle{
    display: none;
}
.tml-last-name-wrap th label{
    visibility: hidden;
}
.tml-last-name-wrap th label:after{
    content:"Instituição";
    visibility: visible;
    margin-left: -15.5%;
}
.bbp-reply-ip, .bbp-author-ip{
    display: none;
}

fieldset.bbp-form:nth-child(2) div:nth-child(3) label
{ visibility: hidden;
}

fieldset.bbp-form:nth-child(2) div:nth-child(3) label:after
{ content: "Instituição";
    visibility: visible;
}

```

```
.caixa-data, .caixa-data p{  
    margin-top:0px;  
    margin-bottom:0px;  
}
```

Monitoramento.php

Page-no-header.php

```
<?php  
/**  
 * Template Name: Default sem  
 título */  
?>  
  
<?php while (have_posts()) : the_post(); ?>  
    <?php get_template_part('templates/content', 'page'); ?>  
?> <?php endwhile; ?>
```

Page-header.php

```
<?php use  
Roots\Sage\Titles;  
?>  
  
<div class="page-header">  
    <h3 class="titulo-pagina"><?= Titles\title();  
?></h3> </div>
```

Indicadores.php

```
<?php

/**
 * Template Name:
 Indicadores */
?>

<?php while (have_posts()) : the_post(); ?>
<?php get_template_part('templates/page', 'header'); ?>
<?php get_template_part('templates/content', 'indicadores');
?> <?php endwhile; ?>
```

Header.php

```
<header
class="banne
r">

<nav class="navbar navbar-default">
<div class="container">
<div class="navbar-header"
style="width:100%;">
<button type="button" class="navbar-
toggle" data-toggle="collapse" data-target=".menu-secoes-toggle">
<span class="icon-bar"></span>
<span class="icon-bar"></span>
<span class="icon-bar"></span>
</button>
<a class="navbar-brand text-uppercase
brand-title" href=<?= esc_url(home_url('/'));
?>"><?php bloginfo('name'); ?></a>
<div class="menu-secoes-toggle
collapse navbar-collapse">
<a class="navbar-brand navbar-right"
href="http://prefeitura.sp.gov.br"></a>
<!--<a class="navbar-brand navbar-
right" href="http://gestaourbana.prefeitura.sp.gov.br"></a>-->
</div>
```

```

        </div>

        <?php
        if (has_nav_menu('secoes')) :
            wp_nav_menu(['theme_location' => 'secoes',
                         'menu_class' => 'nav nav-
pills',
                         'container_class' => 'collapse
navbar-collapse menu-secoes-toggle',
                         'container_id' => 'container-
secoes']);
        endif;
    ?>

        </div>
    </nav>

        <script>

(function(i,s,o,g,r,a,m){i['GoogleAnalyticsObject']=r;i[r]=i[r]||fu
nction(){
    (i[r].q=i[r].q||[]).push(arguments)},i[r].l=1*new
Date();a=s.createElement(o),

m=s.getElementsByTagName(o)[0];a.async=1;a.src=g;m.parentNode.inser
tBefore(a,m)
})(window,document,'script','https://www.google-
analytics.com/analytics.js','ga');
ga('create', 'UA-96225593-1', 'auto');
ga('send', 'pageview');
</script>
</header>

```

Head.php

```

<head>
    <meta charset="utf-8">
    <meta http-equiv="x-ua-compatible" content="ie=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <meta name="description" content="<?php bloginfo('description'); ?>" />

```

```
<?php wp_head(); ?>
</head>
```

Footer.php

```
<footer class="content-info"
style="width:100%;background-
color:#f8f8f8">
    <div class="container" style="padding-
top:15px;padding-bottom:15px;">
        <div class="row">
            <div class="col-sm-3 text-
center">
                <div class="row"
style="height:80px;margin-bottom:15px;">
                    <div class="col-
sm-12" >
                        <a
                            href="http://gestaourbana.prefeitura.sp.gov.br"></a>
                        </div>
                    </div>
                    <div class="row">
                        <div class="col-
sm-12">
                            <a
                                href="http://prefeitura.sp.gov.br" ></a>
                        </div>
                    </div>
                </div>
                <div class="col-sm-5">
                    <div class="row">
                        <div class="col-
sm-12" style="height:80px;margin-bottom:15px;">
                            <a
                                href="#" class="link-rodape">Termos de Uso </a>
                            <a
                                href="#" class="link-rodape">Contato</a>
                            <a
```

```

Mapa do site

```

```

    </div>
  </div>
  <div class="row">
    <div class="col-
sm-12">
      <p>
        Secretaria Municipal de Urbanismo e Licenciamento
        (SMUL) <br>

```

```

        Prefeitura de São Paulo <br>
        Rua São Bento, 405,
        Centro - 22º andar <br>
        CEP
        01011-100 - São Paulo - SP <br>

```

```

        Telefone: (11) 3113 7500
      </p>
    </div>
  </div>
  <div class="col-sm-4">
    <div class="row">
      <div class="col-
sm-12" style="height:80px; margin-bottom:15px;">
        <p>Redes

```

Sociais:

```

        <a
          href="https://www.facebook.com/PrefSP.smul"><i
            class="fa fa-facebook img-circle icones-redes-
            sociais"></i></a>
        <a
          href="https://twitter.com/PrefSP.smul"><i class="fa fa-
            twitter img-circle icones-redes-sociais"></i></a>
        <a
          href="http://www.youtube.com/user/pmspsmdu"><i
            class="fa fa-play icones-redes-sociais"></i></a>
        </p>
      </div>

```

```

    </div>
    <div class="row">
      <div class="col-
sm-12">
        <p>Todo o
        conteúdo do site está disponível sob a licença
        Creative Commons. Acesse a página <a href="#">

```

```

        style="color:#db2c30">Desenvolvimento</a> e saiba
        mais.
    </p>
    </div>
    </div>
    </div>
    </div>
    <div class="row">
        <div class="col-sm-3 text-
        center">

    </div>
    <div class="col-sm-5">

    </div>
    <div class="col-sm-4">

    </div>
    </div>
    </div>
    <?php dynamic_sidebar('sidebar-footer');
?> </footer>

```

Dados-abertos.php

```

<?php
/**
 * Template Name: Dados
abertos */
?>

<?php while (have_posts()) : the_post(); ?>
<?php get_template_part('templates/page', 'header'); ?>
<?php get_template_part('templates/content', 'dados-abertos');
?> <?php endwhile; ?>

```

Content.php

```

<article
<?php
post_class();
?>>
<header>

```

```

        <h2 class="entry-title"><a href="php the_permalink(); ?&gt;"&gt;&lt;?php the_title(); ?&gt;&lt;/a&gt;&lt;/h2&gt;
        &lt;?php get_template_part('templates/entry-meta');
?&gt; &lt;/header&gt;
&lt;div class="entry-summary"&gt;
    &lt;?php the_excerpt(); ?&gt;
&lt;/div&gt;
&lt;/article&gt;
</pre

```

Content-single.php

```

<?php while
(have_posts())
: the_post();
?>
<article <?php post_class(); ?>>
<header>
    <h1 class="entry-title"><?php the_title(); ?></h1>
    <?php get_template_part('templates/entry-meta'); ?>
</header>
<div class="entry-content">
    <?php the_content(); ?>
</div>
<footer>
    <?php wp_link_pages(['before' => '<nav class="page-nav"><p>' .
__('Pages:', 'sage'), 'after' => '</p></nav>']); ?>
</footer>
    <?php comments_template('/templates/comments.php');
?> </article>
<?php endwhile; ?>

```

Content-search.php

```

<article
<?php
post_class();
?>>
<header>
    <h2 class="entry-title"><a href="php the_permalink(); ?&gt;"&gt;&lt;?php the_title(); ?&gt;&lt;/a&gt;&lt;/h2&gt;
    &lt;?php if (get_post_type() === 'post') {
get_template_part('templates/entry-meta'); } ?&gt;
&lt;/header&gt;
&lt;div class="entry-summary"&gt;
    &lt;?php the_excerpt(); ?&gt;
&lt;/div&gt;
</pre

```

```
</article>
```

Content-page.php

```
<div  
class="content-  
page container  
text-justify">  
    <?php the_content(); ?>  
    </div>  
    <?php wp_link_pages(['before' => '<nav class="page-nav"><p>' .  
    __('Pages:', 'sage'), 'after' => '</p></nav>']); ?>
```

Content-indicadores.php

```
<script  
type="text/javascript"  
>  
    jQuery.noConflict();  
    var app = angular.module('monitoramentoPde',  
        ['ngResource','ngAnimate','ui.bootstrap','angular.filter'])  
        ;  
    app.factory('Indicador',function($resource){  
        return $resource('/wp-  
        json/monitoramento_pde/v1/indicador/:id');  
    });  
    app.factory('Menu',function($resource){  
        return $resource('/wp-json/wp-api-  
        menus/v2/menus/:id');  
    });  
    app.controller("indicadores", function($scope,  
        $http, $filter, Indicador, Menu) {  
        Indicador.query(function(indicadores) {  
            $scope.indicadores = indicadores;  
            // $scope.cargaIndicadorValores();  
        });  
        Menu.get({id:4},function(menu){  
            $scope.menuForma = menu;  
        });  
  
        $scope.estrategias = [  
            'socializar os ganhos da produção da  
            cidade',  
            'assegurar o direito à moradia digna  
            para quem precisa',  
            'melhorar a mobilidade urbana',
```

```

        'qualificar a vida urbana dos
        bairros',
        'orientar o crescimento da cidade
        nas proximidades do transporte público',
        'reorganizar as dinâmicas
        metropolitanas',
        'promover o desenvolvimento econômico
        da cidade',
        'incorporar a agenda ambiental
        ao desenvolvimento da cidade',
        'preservar o patrimônio e valorizar
        as iniciativas culturais',
        'fortalecer a participação popular
        nas decisões dos rumos da cidade'
    ];
}

$scope.instrumentos = [
    'fundurb',
    'eixos de estruturação da
transformação urbana',
    'zonas produtivas [zpi e zde]',
    'perímetros de incentivo ao
desenvolvimento econômico',
    'parcelamento, edificação e utilização
compulsórios',
    'iptu progressivo no tempo',
    'cota de solidariedade',
    'zeis',
    'regularização fundiária',
    'tac',
    'tca',
    'eia-rima',
    'zonas de proteção ambiental [zepam e
zep]',
    'tdc',
    'oodc',
    'ouc',
    'zepec',
    'tombamento'
];
});

</script>

```

<style type="text/css">

```

.panel-heading{
    background-color:#FFF !important;
    color:#000 !important;
    border-top-color:#211D1F !important;
    border-top-width:2px !important;
    border-top-style:dotted !important;
    border-left-width:0;
    border-right:0;
    border-bottom:0;
    font-size:85% !important;
    border-bottom-left-radius:0px !important;
    border-bottom-right-radius:0px !important;
    border-top-left-radius:0px !important;
    border-top-right-radius:0px !important;
}
.panel-heading:last-child{
    border-bottom-color:#211D1F !important;
    border-bottom-width:2px !important;
    border-bottom-style:dotted !important;
}
</style>

```

```

<div class="content-page container text-justify" data-ng-
app="monitoramentoPde" data-ng-controller="indicadores">
```

```

<?php the_content(); ?>

<p>
    Se desejar, filtre por estratégia
    <br>
    <select style="min-width:250px;max-
width:400px;" data-ng-model="optEstrategia" data-ng-
options="estrategia for estrategia in estrategias" >
        <option value="">Todas</option>
    </select>
</p>
<p>
    Ou por instrumento urbanístico e de gestão
    ambiental
    <br>
    <select style="min-width:250px;max-
width:400px;" data-ng-model="optInstrumento" data-ng-
options="instrumento for instrumento in instrumentos">
```

```

        <option value="">Todos</option>
    </select>
</p>

<uib-accordion close-others="true">

    <div uib-accordion-group is-
open="indicador.aberto" class="panel-default"
close-others="true" ng-repeat="indicador in
indicadores"> <uib-accordion-heading>


```

```

indicador possui a limitação de não representar a
totalidade lorem ipsum lorem ipsum
        </p>
        </div>
<div class="col-
sm-6">
        <h5> <strong>
Instrumento urbanístico relacionado </strong></h5>
        <p> Outorga
Onerosa do Direito de Construir (ODDC) </p>
        <h5> <strong>
Categoria </strong></h5>
        <p> Arrecadação
de recursos </p>
        <h5> <strong> Unidades
de medida</strong></h5>
        <p> 1º fator de
cálculo: metros quadrados (m2) </p>
        <p> 2º fator de
cálculo: metros quadrados (m2) </p>
        <h5> <strong>
Periodicidade de atualização</strong> </h5>
        <p> anual </p>
        <h5> <strong>
Unidades de análise territorial (desagregação
espacial)</strong> </h5>
        <p> Município

        <br>Macroárea

        <br>Região

        <br>Subprefeitura

        <br>Distrito</p>
        </div>
        <!--<div uib-accordion-group
class="panel-default" heading="{{indicador.nome}} &nbsp;
| &nbsp; Instrumento: {{indicador.nome_fonte_dados}}" ng-
repeat="indicador in indicadores">-->

        </div>
</uib-accordion>

        <!--

```

```

<div class="row" style="margin:0;">

    <ul class="list-group">
        <li class="list-group-item row list-pontilhada" data-ng-repeat="indicador in indicadores | orderBy: 'nome'">
            <div class="row">
                <div class="col-sm-12"> {{indicador.nome}} </div>
            </div>
            <div class="col-sm-6">
                <p>
                    Este indicador visa apresentar como se dá a distribuição nas diferentes partes do Município do Potencial Construtivo adicional (PCA). Lorem ipsum Lorem ipsum
                </p>
            </div>
        </li>
    </ul>
</div>

<h5><strong>Fórmula de cálculo </strong> </h5>
<p>(área grafada como ZEPAM na Macrozona de Estruturação e Qualificação Urbana)/(área grafada como ZEPAM no Município) * 100
</p>
<h5><strong>
Fontes </strong></h5>
<p>Lei Municipal nº 16.402/16 - Lei de Parcelamento, Uso e Ocupação do Solo IBGE -
Mapeamento do desenvolvimento econômico
</p>
<h5> <strong>
Nota técnica </strong></h5>
<p> Este indicador possui a limitação de não representar a totalidade lorem ipsum lorem ipsum
</p>
</div>
<div class="col-sm-6">
<h5> <strong>
Instrumento urbanístico relacionado </strong></h5>

```

```

                <p> Outorga
Onerosa do Direito de Construir (ODDC) </p>
                <h5> <strong>
Categoria </strong></h5>
                <p> Arrecadação
de recursos </p>
                <h5> <strong> Unidades
de medida</strong></h5>
                <p> 1º fator de
cálculo: metros quadrados (m2) </p>
                <p> 2º fator de
cálculo: metros quadrados (m2) </p>
                <h5> <strong>
Periodicidade de atualização</strong> </h5>
                <p> anual </p>
                <h5> <strong>
Unidades de análise territorial (desagregação
espacial)</strong> </h5>
                <p> Município

<br>Macroárea

<br>Região

<br>Subprefeitura

                <br>Distrito</p>
            </div>
        </li>
    </ul>
</div>-->

</div>

</div>
<?php wp_link_pages(['before' => '<nav
class="page-nav"><p>' . __('Pages:', 'sage'),
'after' => '</p></nav>']); ?>

```

Content-dados-abertos.php

```

<script
type="text/javasc
ript">
    jQuery.noConflict();
    var app = angular.module('monitoramentoPde',

```

```

['ngResource','ngAnimate','ui.bootstrap','angular.filter']);
app.factory('FontesDados', function($resource){
    return $resource('/wp-
json/monitoramento_pde/v1/fontes_dados/');
});
app.factory('DadoAberto', function($resource){
    return $resource('/wp-
json/monitoramento_pde/v1/dado_aberto/:fonte_dados'); });

app.factory('Instrumentos', function($resource){
    return $resource('/wp-
json/monitoramento_pde/v1/instrumentos/');
});
app.filter('trustedHtml',
function($sce) {
    return function(ss) {
        return $sce.trustAsHtml(ss)
    };
});
app.controller("dadosAbertos", function($scope, $http,
$filter, FontesDados, DadoAberto) {

    FontesDados.query({ativa:true},function(fontesDados)
    { $scope.fontesDados = fontesDados;

        $scope.menuTipoDados = [
        {
            titulo:'Banco de dados',
            introducao: 'Os indicadores são fruto do
cálculo e cruzamento de dados organizados em bancos que
alimentam o sistema de monitoramento e avaliação. <br> Veja
abaixo a lista de bancos de dados. ',
            tipoArquivo:['XLSX',' | CSV', ' | TXT'],
            seletor:'instrumento',
            dados:$scope.fontesDados

            //['oodc','tdc','tdc_certidores','zepam','cota-
solidariedade'];
        },
        {
            titulo:'Ficha técnica dos instrumentos',
            introducao: 'Os Instrumentos Urbanísticos e de
Gestão Ambiental são meio para viabilizar a efetivação dos
princípios e objetivos do Plano Diretor.<br> Veja abaixo a lista dos
instrumentos. <br> Se desejar, filtre por estratégia: <br> ',
            tipoArquivo:['DOC | ','PDF'],
        }
    ];
});
});

```

```

            seletor:'estrategia',
            dados:[ 'Transferência do direito de
construir', 'Estudo de Impacto Ambiental', 'Estudo de
viabilidade ambiental', 'Avaliação ambiental estratégica']
        },
        {
            titulo:'Ficha técnica dos indicadores',
            introducao: 'Os indicadores de
monitoramento e avaliação contemplam, abordando a eficiência,
eficácia e efetividade, das diferentes dimensões de avaliação das
políticas públicas presentes no Plano Diretor. <br> Veja abaixo a
lista dos indicadores. <br> Se desejar, filtre por estratégia:
<br>      ',
            tipoArquivo:['DOC','PDF'],
            seletor:'estrategia',
            dados:[ 'Percentual de áreas grafadas
como ZEPAM', 'Variação da cobertura vegetal em ZEPAM',
'Densidade de ZEPAM por habitante', 'Distribuição de usos nas
áreas marcadas como ZEPAM' ]
        }
    ];
}

$scope.menuTipoDados[0].dados.push('Ficha Técnica
dos Instrumentos');

$scope.item = $scope.menuTipoDados[0];

$scope.estrategias = [
    {id:1,nome:'Socializar os ganhos da
produção na cidade'},
    {id:2,nome:'Assegurar o direito à
moradia digna para quem precisa'},
    {id:3,nome:'Melhorar a mobilidade urbana'},
    {id:4,nome:'Qualificar a vida nos
bairros'},
    {id:5,nome:'Orientar o crescimento da
cidade nas proximidades do transporte público'},
    {id:6,nome:'Reorganizar as dinâmicas
metropolitanas'},
    {id:7,nome:'Promover o
desenvolvimento econômico da cidade'},
    {id:8,nome:'Incorporar a agenda
ambiental ao desenvolvimento da cidade'},
    {id:9,nome:'Preservar o patrimônio e
valorizar as iniciativas culturais'},
    {id:10,nome:'Fortalecer a participação
da comunidade')
];

```

```

        popular nas decisões dos rumos da cidade'}
    ];

$scope.instrumentos = [
    {id:13,nome:'FUNDURB'},
    {id:12,nome:'Eixos de Estruturação da
Transformação Urbana [EETU]'},
    {id:18,nome:'Zonas Produtivas [ZPI+ZDE]'},
    {id:15,nome:'Perímetros de Incentivo
ao Desenvolvimento Econômico'},
    {id:16,nome:'Parcelamento, Edificação e
Utilização Compulsórios [PEUC]'},
    {id:14,nome:'IPTU Progressivo no Tempo'},
    {id:22,nome:'ZEIS'},
    {id:23,nome:'Regularização Fundiária'},
    {id:24,nome:'Termo de Compensação Ambiental
[TCA]'},
    {id:11,nome:'EIA-RIMA'},
    {id:19,nome:'ZEPAM'},
    {id:17,nome:'Transferência do Direito de Construir
[TDC]'},
    {id:26,nome:'Outorga Onerosa do Direito
de Construir [OODC]'},
    {id:25,nome:'Operação Urbana Consorciada [OUC]'},
    {id:21,nome:'ZEPEC'},
    {id:20,nome:'Tombamento'}
];
};

function Workbook() {
    if(!this instanceof Workbook) return new
Workbook();
    this.SheetNames = [];
    this.Sheets = {};
}

function s2ab(s) {
    var buf = new ArrayBuffer(s.length);
    var view = new Uint8Array(buf);
    for (var i=0; i!=s.length; ++i) view[i]
= s.charCodeAt(i) & 0xFF;
    return buf;
}

```

```

        function criarCelula(c, r,
val){ var cell = {v: val };

        if(cell.v == null) cell.v =
'';           if(typeof cell.v === 'number') cell.t
=
'n';           else if(typeof cell.v === 'boolean')
cell.t
'b';
           else if(cell.v instanceof
Date) { cell.t = 'n'; cell.z =
XLSX.SSF._table
[14];
           cell.v =
datenum(cell.v);

           else cell.t =
's';

           return
cell;
}

function sheet_from_array_of_objects(data,
offset)
{
    var ws
= {};
    var range = {s: {c:10000000,
r:10000000},
e: {c:0, r:0 }};

    for(var R = 0; R <= data.length + 1; ++R) {
C = 0;

        for(var prop in data[R]) {

            if(prop.substring(prop.length-1,prop.length) <= offset ||
prop.substring(0,prop.length-1)!='Variavel'){
                if(range.s.r
> R)
range.s.
r = R;
                if(range.s.c
> C)
range.s.c
= C;
                if(range.e.r
< R)
range.e.r
= R;
                if(range.e.c
< C)
range.e.c
= C;

                if(
typeof
data[R][prop] === 'function')
continue;
                if(R
== 0)
}
}
}
}

```

```

        var cell = {v:
prop };
else
var cell = {v:
data[R-1][prop] };

if(cell.v == null)
cell.v = '';
var cell_ref =
XLSX.utils.encode_cell({c:C,r:R});

if(typeof cell.v ===
'number') cell.t = 'n';
else if(typeof cell.v
==='boolean') cell.t = 'b';
else if(cell.v
instanceof Date) {
cell.t = 'n';
cell.z = XLSX.SSF._table[14];
cell.v =
datenum(cell.v);
}
else cell.t = 's';

ws[cell_ref] = cell;
C++;
}

}

}

if(range.s.c < 10000000) ws['!ref'] =
XLSX.utils.encode_range(range);
return ws;
}

$scope.exportarDadoAberto = function(id_fonte, formato){

DadoAberto.query({fonte_dados:id_fonte},function(dadoAberto) {
$scope.dadoAberto = dadoAberto;

fonteDados =
$scope.item.dados.filter((fonteDados) =>
fonteDados.id_fonte_dados == id_fonte)[0];
var wb = new Workbook();

```

```

        wsDadoAberto =
sheet_from_array_of_objects(dadoAberto,0);
wb.SheetNames.push('dados');
wb.Sheets['dados'] = wsDadoAberto;

switch(formato){
    case 'XLSX':
        extensaoArquivo = 'xlsx';
        var wbout = XLSX.write(wb,
{bookType:'xlsx', bookSST:false, type: 'binary'});
        break;
    case ' | CSV':
        extensaoArquivo = 'csv';
        var wbout =
XLSX.utils.sheet_to_csv(wsDadoAberto,{FS:";"});
        break;
    case ' | TXT':
        extensaoArquivo = 'txt';
        var wbout =
XLSX.utils.sheet_to_csv(wsDadoAberto,{FS:"\t"});
        break;
}

saveAs(new
Blob([s2ab(wbout)],{type:"application/octet-stream"}),
fonteDados.nome_tabela + '.' + extensaoArquivo);

});

}
});

</script>

```

```

<div class="content-page container text-justify" data-
ng-app="monitoramentoPde" data-ng-
controller="dadosAbertos"> <?php the_content(); ?>

```

```

<!--<uib-tabset active="active" type="pills"> <uib-
tab index="$index + 1" ng-repeat="item in
menuTipoDados" heading="{{item.titulo}}"
classes="{{item.classes}}">-->

```

```

<p><span ng-bind-html="item.introducao |  
trustedHtml"></span>  
  

</p>  

<ul class="list-group">  
  

<li class="list-group-item row  
list-pontilhada" data-ng-repeat="dado in item.dados |  
orderBy: 'nome'">  

    <div class="col-sm-10">  

{{!dado.nome? dado : dado.nome}} </div>  

    <div class="col-sm-2 text-center">  

<a href="" ng-  

click="exportarDadoAberto(dado.id_fonte_dados, formato)" data-  

ng-repeat="formato in item.tipoArquivo"> <strong> {{formato}}  

</strong></a> </div>  
  

</li>  

</ul>  
  

<!--<hr>  

<ul class="list-group row">  

<li class="list-group-item col-sm-3  
text-left list-visualizacao" ng-repeat="itemFilho in  
item.children"><a href="{{itemFilho.url}}" class="row"> <span class="col-sm-  
9"><strong>{{itemFilho.title}}</strong></span></a> </li>  
  

</ul>-->  

<!--</uib-tab>  

</uib-tabset>-->  
  

</div>  

<?php wp_link_pages(['before' => '<nav class="page-nav"><p>' .  
__('Pages:', 'sage'), 'after' => '</p></nav>']); ?>

```

Content-acoes-prioritarias.php

```

<script  
type="text/javascript"

```

```

>

    jQuery.noConflict();
    var app = angular.module('monitoramentoPde',
        ['ngResource','ngAnimate','ui.bootstrap','angular.filter'])
    ;
    app.factory('AcaoPrioritaria',
        function($resource){ return $resource('/wp-
json/monitoramento_pde/v1/acoes_prioritarias/');
    });
    app.controller("acoesPrioritarias", function($scope,
        $http, $filter, AcaoPrioritaria) {

        AcaoPrioritaria.query(function(acoesPrioritarias){
            $scope.acoesPrioritarias =
                acoesPrioritarias; $scope.acoesFiltro =
            $scope.acoesPrioritarias;
        });

        $scope.optCategoria = null;
        $scope.optEstrategia = null;
        $scope.optAndamento = null;
        $scope.optArtigo = null;
        $scope.optTema = null;

        $scope.cargaAcoesPrioritarias = function(){
            filtroCategoria = !$scope.optCategoria? null
            : $scope.optCategoria.categoria;
            filtroEstrategia = !$scope.optEstrategia?
            null : $scope.optEstrategia.objetivo_relacionado;
            filtroAndamento = !$scope.optAndamento? null
            : $scope.optAndamento.andamento;
            filtroArtigo = !$scope.optArtigo? null :
            $scope.optArtigo.artigo;
            filtroTema = !$scope.optTema? null :
            $scope.optTema.tema;

            AcaoPrioritaria.query({categoria:filtroCategoria,
                estrategia:filtroEstrategia, andamento:filtroAndamento,
                artigo:filtroArtigo,
                tema:filtroTema},function(acoesPrioritarias){
                    $scope.acoesFiltro = acoesPrioritarias;
                });
        };
    });

```

```

    });
    </script>

<div class="content-page container text-justify" data-
ng-app="monitoramentoPde" data-ng-
controller="acoesPrioritarias"> <?php the_content(); ?>

<div class="row" style="margin:0;">

    <hr>
    <div class="row">
        <div class="row">
            <label for="estrategia" class="col-sm-
12 acao-prioritaria" style="display:inline-
block;float:none;vertical-align:middle;">
                <strong> Estrategia </strong>
            </label>
        </div>
        <div class="row">
            <div class="col-sm-6 text-center"-
class="acao-prioritaria" style="display:inline-
block;float:none;vertical-align:middle;">
                <select style="width:100%;"-
data-ng-model="optEstrategia" class="acao-prioritaria"-
data-ng-options="acao.objetivo_relacionado for acao in-
acoesPrioritarias | unique: 'objetivo_relacionado' |-
filter: {objetivo_relacionado:''}" data-ng-
change="cargaAcoesPrioritarias()" name="estrategia"-
id="estrategia">
                    <option value="">Todas</option>
                </select>
            </div>
        </div>
        <div class="row">
            <div class="col-sm-6"-
style="display:inline-block;float:none;">
                <div class="col-sm-1 text-center"-
style="display:inline-block;float:none;vertical-
align:middle;">
                    <!--<select style="max-
width:100%;" data-ng-model="optEstrategia" data-ng-
options="acao.estategia for acao in acoesPrioritarias |-
unique: 'estategia' | filter: {estategia:''}" data-ng-

```

```

change="cargaAcoesPrioritarias()" name="estrategia"> <option
    value="">Todos</option>
</select>-->
</div>

        <h4 style="padding-
left:15px;"> <strong> Ação </strong> </h4>
        </div><!--
--><div class="col-sm-2 acao-
prioritaria" style="display:inline-
block;float:none;vertical-align:middle;">
        <strong> Artigo </strong>
        </div><!--
--><label for="tema" class="col-sm-
3 acao-prioritaria" style="display:inline-
block;float:none;vertical-align:middle;padding-left:7px">
        <strong> Tema </strong>
        </label><!--
--><label for="categoria" class="col-
sm-1 acao-prioritaria" style="display:inline-
block;float:none;vertical-align:middle;padding-left:0">
        <strong> Categoria </strong>
        </label>
</div>

<div class="row">
    <div class="col-sm-6"
style="display:inline-block;float:none;">
        </div><!--
--><div class="col-sm-2"
style="display:inline-block;float:none;">
        </div><!--
--><!--<div class="col-sm-1 text-
center" style="display:inline-block;float:none;vertical-
align:middle;padding-right:0px;">
        <select style="width:100%;">
data-ng-model="optArtigo" data-ng-options="acao.artigo for
acao in acoesPrioritarias | unique: 'artigo' | filter:
{artigo:''}" data-ng-change="cargaAcoesPrioritarias()"
name="artigo">
        <option value="">Todos</option>
        </select>
</div>--><!--
--><div class="col-sm-3 text-center"
class="acao-prioritaria-cbo" style="display:inline-
block;float:none;vertical-align:middle;padding-left:7px">

```

```

                <select style="width:100%;">
data-ng-model="optTema" class="acao-prioritaria" data-ng-
options="acao.tema for acao in acoesPrioritarias | unique:
'tema' | filter: {tema:''}" data-ng-
change="cargaAcoesPrioritarias()" name="tema" id="tema">
<option value="">Todos</option>
</select>
</div><!--
--><div class="col-sm-1 text-center"
class="acao-prioritaria-cbo" style="display:inline-
block;float:none;vertical-align:middle;padding-left:0">
<select style="width:100%;">
data-ng-model="optCategoria" data-ng-
options="acao.categoria for acao in acoesPrioritarias
| unique: 'categoria' | filter: {categoria:''}" data-
ng-change="cargaAcoesPrioritarias()" name="categoria"
id="categoria">
<option value="">Todos</option>
</select>
</div>

<!--<div class="col-sm-1 text-center"
style="display:inline-block;float:none;vertical-
align:middle;padding-right:30px;">
<select style="max-width:100%;">
data-ng-model="optAndamento" data-ng-
options="acao.andamento for acao in acoesPrioritarias
| unique: 'andamento' | filter: {andamento:''}" data-
ng-change="cargaAcoesPrioritarias()" name="andamento">
<option
value="">Todos</option>
</select>
</div>-->
</div>

<ul class="list-group">
<li class="list-group-item row list-
pontilhada" data-ng-repeat="acao in acoesFiltro | 
orderBy: 'artigo'">
<div class="col-sm-6 acao-
prioritaria"> {{acaoacao_prioritaria_estrategica}} </div>
<div class="col-sm-2 acao-
prioritaria"> <small>{{acao.artigo}}</small> </div>
<div class="col-sm-3 acao-
prioritaria"> {{acao.tema}} </div>
<div class="col-sm-1 acao-

```

```

prioritaria"> {{acao.categoria}} </div>
        <!--<div class="col-sm-1 acao-
prioritaria text-center"> {{acao.andamento}}</div>--
        > </li>
    </ul>
</div>

</div>

```

```

<?php wp_link_pages(['before' => '<nav
class="page-nav"><p>' . __('Pages:', 'sage'),
'after' => '</p></nav>']); ?>

```

Cadastro_variavel.php

```

<?p
hp
/**
 * Template Name: Cadastro Variável
*/
?>

<script type="text/javascript">
jQuery.noConflict();
var app = angular.module('monitoramentoPde',
['ngResource','ngAnimate','ui.bootstrap','angular.filter']);
app.factory('Variavel',function($resource){
    return $resource('/wp-
json/monitoramento_pde/v1/variavel/:id',{id:'@id_variavel'},{
        update:{ 
            method:'PUT'
        }
    });
});
app.factory('FontesDados',function($resource){
    return $resource('/wp-json/monitoramento_pde/v1/fontes_dados');
});

```

```

app.factory('VariavelFiltro', function($resource){
    return $resource('/wp-
json/monitoramento_pde/v1/variavel_filtro/:id',{id:'@id_variavel'},{
        update:{
            method: 'PUT'
        }
    });
});

app.controller("cadastroVariavel", function($scope, $rootScope,
$http, $filter, $uibModal, Variavel, FontesDados, VariavelFiltro) {

    Variavel.query(function(variaveis) {
        $rootScope.listaVariaveis = variaveis;
        $rootScope.variaveis = variaveis;
    });

    FontesDados.query(function(fontesDados){
        $scope.fontesDados = fontesDados;
    });

    $scope.estado = "listar";

    $scope.carregar = function(){
        $scope.itemAtual = $rootScope.variaveis.filter((variavel)
=> variavel.id_variavel == $scope.idItemAtual)[0];
        if($scope.itemAtual.tipo_cruzamento == 'full outer')
            $scope.check_tipo_cruzamento = true;
        else
            $scope.check_tipo_cruzamento = false;

        if($scope.itemAtual != null){
            $scope.carregarFonteDados();
        }

        VariavelFiltro.query({id:$scope.itemAtual.id_variavel},function(varia-
velFiltro){
            $scope.variavelFiltro = variavelFiltro;
            $scope.estado = "selecionar";
        });
    }else{
        $scope.fonteDados = null;
        $scope.variavelFiltro = null;
    }
};

$scope.filtrarFonte = function(){
    if($scope.idFonteAtivo != null)

```

```

        $rootScope.variaveis =
$rootScope.listaVariaveis.filter((variavel) => variavel.id_fonte_dados ==
$scope.idFonteAtivo);
        else
            $rootScope.variaveis = $rootScope.listaVariaveis;
    }

$scope.adicionarElemento = function(){
    $scope.variavelFiltro.push({});

};

$scope.carregarFonteDados = function(){
    $scope.fonteDados = $scope.fontesDados.filter((fonteDados)
=> fonteDados.id_fonte_dados == $scope.itemAtual.id_fonte_dados)[0];
};

$scope.confirmarModal = function(acao){
    $rootScope.modalConfirmacao = $uibModal.open({
        animation: true,
        ariaLabelledBy: 'modal-titulo-variavel',
        ariaDescribedBy: 'modal-corpo-variavel',
        templateUrl: 'ModalConfirmacao.html',
        controller: 'cadastroVariavel',
        scope:$scope,
        size: 'md',
    });
    $scope.acao = acao;
};

$scope.limparForm = function(){
    $scope.itemAtual = null;
    $scope.variavelFiltro = [];
    $scope.estado = "inserir";
};

$scope.atualizar = function(){
    $rootScope.itemAtual = $scope.itemAtual;

VariavelFiltro.update({filtro:$scope.variavelFiltro,id_variavel:$scope.itemAtual.id_variavel}).$promise.then(
        function(mensagem){

Variavel.update({variavel:$rootScope.itemAtual}).$promise.then(
        function(mensagem){
            alert('A variável foi atualizada

```

```

        com sucesso.');

        Variavel.query(function(variaveis) {
            $rootScope.variaveis =
variaveis;
            $scope.filtrarFonte();
        });
    },
    function(erro){
        alert('Ocorreu um erro ao
atualizar a variável. Mensagem de erro:\n\n' + erro.data);
    }
);
},
function(erro){
    alert('Ocorreu um erro ao atualizar os filtros
da variável. Mensagem de erro:\n\n' + erro.data);
}
);
};

$scope.remover = function(){
    $rootScope.itemAtual = $scope.itemAtual;

    VariavelFiltro.remove({id:$scope.itemAtual.id_variavel}).$promise.the
n(
    function(mensagem){

        Variavel.remove({id:$rootScope.itemAtual.id_variavel}).$promise.then(
            function(mensagem){
                alert('A variável foi removida
com sucesso.');
            }
        );
        Variavel.query(function(variaveis) {
            $rootScope.variaveis =
variaveis;
            $scope.filtrarFonte();
        });
    },
    function(erro){
        alert('Ocorreu um erro ao remover
a variável. Mensagem de erro:\n\n' + erro.data);
    }
);
},

```

```

        function(error){
            alert('Ocorreu um erro ao remover os filtros
da variável. Mensagem de erro:\n\n' + error.data);
        }
    );
    $scope.$parent.idItemAtual = null;
    $scope.$parent.estado = "listar";
};

$scope.inserir = function(){
    $rootScope.variavelFiltro = $scope.variavelFiltro;
    Variavel.save({variavel:$scope.itemAtual}).$promise.then(
        function(mensagem){

            VariavelFiltro.save({filtro:$rootScope.variavelFiltro,id_variavel:men
sagem.id_variavel}).$promise.then(
                function(mensagem){
                    alert('A variável foi
inserida com sucesso.');
                },
                function(error){
                    alert('Ocorreu um erro ao
salvar os filtros da variável. Mensagem de erro:\n\n' + error.data);
                }
            );
            Variavel.query(function(variaveis) {
                $rootScope.variaveis = variaveis;
                $scope.filtrarFonte();
            });
        },
        function(error){
            alert('Ocorreu um erro ao inserir a variável.
Mensagem de erro:\n\n' + error.data);
        }
    );
    $scope.$parent.estado = "listar";
    $scope.carregar();
};

$scope.voltar = function(){
    $scope.estado = "listar";
};

$scope.fecharModal = function(){
    $rootScope.modalConfirmacao.close();
};

$scope.ativarCruzamento = function(){
    if($scope.itemAtual.tipo_cruzamento == 'full outer')
        $scope.itemAtual.tipo_cruzamento = 'inner';
}

```

```

        else
            $scope.itemAtual.tipo_cruzamento = 'full outer';
    }

$scope.submeter = function(){
    if($scope.acao == 'Atualizar')
        $scope.atualizar();
    else
        if($scope.acao == 'Remover')
            $scope.remover();
        else
            if($scope.acao == 'Inserir')
                $scope.inserir();

    $rootScope.modalConfirmacao.close();
};

$scope.desabilitarContagem = function(){
    if($scope.itemAtual.operacao_agregacao == 'contagem')
        $scope.itemAtual.coluna_valor = null;
};

$scope.deletarElemento = function(indice){
    $scope.variavelFiltro.splice(indice,1);
};

function Workbook() {
    if(!(this instanceof Workbook)) return new Workbook();
    this.SheetNames = [];
    this.Sheets = {};
}

function criarCelula(c, r, val){
    var cell = {v: val};

    if(cell.v == null) cell.v = '';

    if(typeof cell.v === 'number') cell.t = 'n';
    else if(typeof cell.v === 'boolean') cell.t = 'b';
    else if(cell.v instanceof Date) {
        cell.t = 'n'; cell.z = XLSX.SSF._table[14];
        cell.v = datenum(cell.v);
    }
    else cell.t = 's';

    return cell;
}

```

```

    }

    function s2ab(s) {
        var buf = new ArrayBuffer(s.length);
        var view = new Uint8Array(buf);
        for (var i=0; i!=s.length; ++i) view[i] = s.charCodeAt(i) &
0xFF;
        return buf;
    }

$scope.exportarVariaveis = function(){

    var wb = new Workbook();

    var wsvariavel = {};

    //criando cabeçalho
    wsvariavel[XLSX.utils.encode_cell({c:0 ,r:0})]
= criarCelula(0 ,0,'ID');
    wsvariavel[XLSX.utils.encode_cell({c:1 ,r:0})]
= criarCelula(1 ,0,'Nome');
    wsvariavel[XLSX.utils.encode_cell({c:2 ,r:0})]
= criarCelula(2 ,0,'Banco de dados');
    wsvariavel[XLSX.utils.encode_cell({c:3 ,r:0})]
= criarCelula(3 ,0,'Coluna de valor');
    wsvariavel[XLSX.utils.encode_cell({c:4 ,r:0})]
= criarCelula(4 ,0,'Coluna de data');
    wsvariavel[XLSX.utils.encode_cell({c:5 ,r:0})]
= criarCelula(5 ,0,'Coluna de categorias');
    wsvariavel[XLSX.utils.encode_cell({c:6 ,r:0})]
= criarCelula(6 ,0,'Periodicidade');
    wsvariavel[XLSX.utils.encode_cell({c:7 ,r:0})]
= criarCelula(7 ,0,'Operação de agregação');
    wsvariavel[XLSX.utils.encode_cell({c:8 ,r:0})]
= criarCelula(8 ,0,'Variável acumulativa');
    wsvariavel[XLSX.utils.encode_cell({c:9 ,r:0})] =
criarCelula(9 ,0,'Variável denominador município');
    wsvariavel[XLSX.utils.encode_cell({c:10,r:0})] =
criarCelula(10 ,0,'Variável de crescimento');
    wsvariavel[XLSX.utils.encode_cell({c:11,r:0})] =
criarCelula(11,0,'Variável de cruzamento de banco de dados distintos');

    linha = 1;
}

```

```

angular.forEach($rootScope.variaveis,function(variavel,chave){

    coluna = 0, //linha = 0;

    wsvariavel[XLSX.utils.encode_cell({c:coluna,r:linha})]
= criarCelula(coluna,linha,variavel.id_variavel);
    coluna++;

    wsvariavel[XLSX.utils.encode_cell({c:coluna,r:linha})]
= criarCelula(coluna,linha,variavel.nome);
    coluna++;

    var fonteDadosVariavel =
$scope.fontesDados.filter((fonteDados) => fonteDados.id_fonte_dados
== variavel.id_fonte_dados)[0];
    if(fonteDadosVariavel){

        wsvariavel[XLSX.utils.encode_cell({c:coluna,r:linha})]
= criarCelula(coluna,linha,fonteDadosVariavel.nome);
    }
    coluna++;

    wsvariavel[XLSX.utils.encode_cell({c:coluna,r:linha})]
= criarCelula(coluna,linha,variavel.coluna_valor);
    coluna++;

    wsvariavel[XLSX.utils.encode_cell({c:coluna,r:linha})]
= criarCelula(coluna,linha,variavel.coluna_data);
    coluna++;

    wsvariavel[XLSX.utils.encode_cell({c:coluna,r:linha})]
= criarCelula(coluna,linha,variavel.coluna_dimensao);
    coluna++;

    wsvariavel[XLSX.utils.encode_cell({c:coluna,r:linha})]
= criarCelula(coluna,linha,variavel.periodicidade);
    coluna++;

    wsvariavel[XLSX.utils.encode_cell({c:coluna,r:linha})]
= criarCelula(coluna,linha,variavel.operacao_agregacao);
    coluna++;

    wsvariavel[XLSX.utils.encode_cell({c:coluna,r:linha})] =
criarCelula(coluna,linha,(variavel.acumulativa==true) ? 'X': null);
    coluna++;
}

```

```

        wsvariavel[XLSX.utils.encode_cell({c:coluna,r:linha})] =
    criarCelula(coluna,linha,(variavel.distribuicao==true) ? 'X': null);
                coluna++;

        wsvariavel[XLSX.utils.encode_cell({c:coluna,r:linha})] =
    criarCelula(coluna,linha,(variavel.crescimento==true) ? 'X': null);
                coluna++;

        wsvariavel[XLSX.utils.encode_cell({c:coluna,r:linha})] =
    criarCelula(coluna,linha,(variavel.tipo_cruzamento!='inner') ? 'X': null);
                coluna++;

                linha++;

            });

        var range = {s: {c:0, r:0}, e: {c:11, r: linha}};
        wsvariavel['!ref'] = XLSX.utils.encode_range(range);

        /* add worksheet to workbook */
        wb.SheetNames.push('Variaveis');
        wb.Sheets['Variaveis'] = wsvariavel;

        var wbout = XLSX.write(wb, {bookType:'xlsx',
bookSST:false, type: 'binary'});

        saveAs(new
Blob([s2ab(wbout)],{type:"application/octet-stream"}), "variaveis.xlsx");
    }

});

</script>

```

```
<?php get_template_part('templates/page', 'header'); ?>
```

```
<div class="content-page container text-justify" data-ng-
app="monitoramentoPde" data-ng-controller="cadastroVariavel">
```

```

<script type="text/ng-template" id="ModalConfirmacao.html">

    <div class="modal-instrumento">
        <div class="modal-header">
            <h3 class="modal-title" id="modal-titulo-variavel"> {{acao}}
variável <button class="btn btn-danger pull-right" type="button" ng-
click="fecharModal()">X</button></h3>
        </div>
        <div class="modal-body" id="modal-corpo-variavel">
            Você irá {{acao.toLowerCase()}} a variável
{{itemAtual.nome}}. <br><br> Confirme sua ação.
        </div>
        <div class="modal-footer">
            <button class="btn btn-danger" type="button" ng-
click="fecharModal()"> Abortar</button>
            <button class="btn btn-success" type="button"
ng-click="submeter()"> Confirmar</button>
        </div>
    </div>
</script>

```

```

<?php the_content(); ?>
<?php
    $autorizado = false;
    if(is_user_logged_in()){
        $usuario = wp_get_current_user();
        foreach($usuario->roles as $role) {
            if(strtolower($role) == 'administrator')
                $autorizado = true;
        }
    }else
        $autorizado = false;

    if($autorizado){
?>
<form>
    <span data-ng-show="estado!='inserir'">
        <div class="elemento-cadastro">

            <button class="btn-primary" type="button" ng-
click="exportarVariaveis()"> Exportar relação de variáveis
            </button> <br>

```

```

        <label for="fonte_filtro"> Filtrar por fonte de
dados </label>
        <br>
        <div class="descricao-cadastro"><small>Selecione
a fonte de dados que a variável pertence</small></div>

        <select classe="controle-cadastro" style="max-
width:100%;" data-ng-options="fonte.id_fonte_dados as fonte.nome for
fonte in fontesDados | orderBy: 'nome'" data-ng-model="idFonteAtivo"
data-ng-change="filtrarFonte()" id="fonte_filtro">
            <option value=""> Sem filtro </option>
        </select>
    </div>
    <div class="elemento-cadastro" >

        <label for="variavel"> Variável </label>

        <div class="descricao-cadastro"><small>Selecione
a variável</small></div>

        <select classe="controle-cadastro" style="max-
width:100%;" data-ng-model="idItemAtual" data-ng-
options="variavel.id_variavel as variavel.nome for variavel in variaveis
| orderBy: 'nome'" data-ng-change="carregar()" id="variavel">
            <option value=""></option>
        </select>
    </div>
    </span>

    <span data-ng-show="estado!='listar'">

        <div class="elemento-cadastro">
            <label for="nome"> Nome da variável </label>
            <div class="descricao-cadastro"><small> Defina
o nome que a variável terá </small></div>
            <input classe="controle-cadastro" type="text"
style="max-width:100%;width:100%;" data-ng-model="itemAtual.nome"
id="nome"></input>
        </div>

        <div class="elemento-cadastro">
            <label for="metrica"> Métrica </label>
            <div class="descricao-cadastro"><small> Defina
a métrica da variável. </small></div>

```

```

                <input type="text" class="controle-cadastro"
style="max-width:100%;width:100%;" data-ng-model="itemAtual.tipo_valor"
id="metrica"></input>
            </div>

            <div class="elemento-cadastro">
                <label for="fonte_dados"> Banco de dados
            </label>
                <div class="descricao-cadastro"><small>Selecione
o banco de dados cadastrado que contêm as informações correspondentes
à variável</small></div>
                    <select class="controle-cadastro" style="max-
width:100%;" data-ng-options="fonte_dados.id_fonte_dados as fonte_dados.nome
for fonte_dados in fontesDados | orderBy: 'nome'" data-ng-
model="itemAtual.id_fonte_dados" data-ng-change="carregarFonteDados()"
id="fonte_dados"></select>
                </div>

                <span data-ng-show="fonteDados!=null">

                    <div class="elemento-cadastro" ng-
if="itemAtual.operacao_agregacao != 'contagem'>
                        <div style="margin-top:0;" class="descricao-
cadastro"><small>Selecione a coluna do banco de dados que contêm o
<u>valor</u> correspondente à variável.<br> Observação: caso a agregação
da variável seja ‘contagem’ deixar o campo em branco!</small></div>
                        <select class="controle-cadastro" style="max-
width:100%;" data-ng-options="coluna as coluna for coluna
in fonteDados.colunas" data-ng-
model="itemAtual.coluna_valor" id="coluna_valor">
                            </select>
                    </div>

                    <div class="elemento-cadastro">
                        <div style="margin-top:0;" class="descricao-
cadastro"><small>Selecione a coluna do banco de dados que contêm
a <u>data</u> correspondente à variável</small></div>
                        <select class="controle-cadastro" style="max-
width:100%;" data-ng-options="coluna as coluna for coluna in
fonteDados.colunas" data-ng-model="itemAtual.coluna_data" id="coluna_data">
                            <option value=""></option>
                        </select>
                    </div>

                    <div class="elemento-cadastro">
                        <div style="margin-top:0;" class="descricao-

```

```

cadastro">><small>Selecione a coluna do banco de dados que contêm as
diferentes <u>categorias</u> no qual a variável está composta. <br>
Observação: Caso este campo seja deixado em branco a variável não
será dividida em categorias </small></div>
<select class="controle-cadastro" style="max-
width:100%;" data-ng-options="coluna as coluna for coluna in
fonteDados.colunas" data-ng-
model="itemAtual.coluna_dimensao" id="coluna_dimensao">
    <option value=""></option>
    </select>
</div>

        <div class="elemento-cadastro" ng-
if="fonteDados.tipos_territorio != null">
            <div style="margin-top:0;" class="descricao-
cadastro"><small>Selecione o tipo de território da fonte de
dados </small></div>
            <select class="controle-cadastro" style="max-
width:100%;" data-ng-options="tipo_territorio as tipo_territorio
for tipo_territorio in fonteDados.tipos_territorio" data-ng-
model="itemAtual.tipo_territorio" id="tipo_territorio">
                <option value=""></option>
                </select>
            </div>

            </span>
            <div class="elemento-cadastro">
                <label for="periodicidade"> Periodicidade
            </label>
            <div class="descricao-cadastro"><small>
                Selecione a periodicidade com que a variável será atualizada </small></div>
                <select class="controle-cadastro" data-ng-
model="itemAtual.periodicidade" id="periodicidade">
                    <option value="">Sem
                    data</option>
                    <option
                    value="anual">Anual</option>
                    <option
                    value="semestral">Semestral</option>
                    <option
                    value="trimestral">Trimestral</option>
                    <option
                    value="mensal">Mensal</option>
                </select>
            </div>
            <div class="elemento-cadastro">

```

```

        <label for="operacao_agregacao"> Operação de
agregação </label>
<br>

<div class="descricao-cadastro"><small>Selecione
a forma com que a variável agregará os dados correspondentes à coluna
de valor</small></div>
<select class="controle-cadastro" data-
ng-model="itemAtual.operacao_agregacao" data-ng-
change="desabilitarContagem()" id="operacao_agregacao">
    <option value="soma">Soma</option>
    <option
        value="contagem">Contagem</option>
    <option value="media">Média
aritmética</option>
    <option value="maximo">Máximo</option>
    <option value="minimo">Mínimo</option>
</select>
<div style="margin-top:0.2em;" class="descricao-
cadastro">
    <small>
        <ul><li>Soma: calcula a
soma da expressão sobre todas as linhas de entrada</li>
        <li>Contagem: calcula o
número de linhas de entrada</li>
        <li>Média aritmética:
calcula a média aritmética sobre o conjunto de linhas de
entrada fornecido</li>
        <li>Máximo: retorna o
maior valor entre todos os fornecidos</li>
        <li>Mínimo: retorna o
menor valor entre todos os fornecidos</li>
    </small>
</div>

</div>

<h5><b> Atributos da variável </b></h5>
<div class="elemento-cadastro row">
    <input class="col-md-1" style="width:2%;margin-
top:-0.5em;margin-left:0.8em;padding-left:2em;" type="checkbox" data-
ng-model="itemAtual.acumulativa" id="acumulativa"></input>

```

```

                <div class="col-md-11 descricao-cadastro"
style="width:95%;"><small>Selecione a opção caso a variável seja
acumulativa ao longo do tempo. <br> Exemplo: (valor do numerador na data
atual + valor do numerador nas datas anteriores) / (valor do denominador na
data atual + valor do denominador nas datas anteriores)</small></div>
                </div>

                <div class="elemento-cadastro row">
                    <input class="col-md-1" style="width:2%;margin-
top:-0.5em;margin-left:0.8em;padding-left:2em;" type="checkbox" data-
ng-model="itemAtual.distribuicao" id="distribuicao"></input>
                    <div class="col-md-11 descricao-cadastro"
style="width:95%"><small>Selecione a opção caso a variável seja um
denominador que corresponde ao valor total no Município <br> Exemplo:
valor do numerador / valor do denominador para o Município</small></div>
                    </div>

                <div class="elemento-cadastro row">
                    <input class="col-md-1" style="width:2%;margin-
top:-0.5em;margin-left:0.8em;padding-left:2em;" type="checkbox" data-
ng-model="itemAtual.crescimento" id="crescimento"></input>
                    <div class="col-md-11 descricao-cadastro"
style="width:95%"><small>Selecione a opção caso a variável seja um denominador
de um indicador de variação temporal. <br> Exemplo: (valor na data atual -
valor na data anterior) / valor na data anterior</small></div>
                    </div>

                <div class="elemento-cadastro row">
                    <input class="col-md-1" style="width:2%;margin-
top:-0.5em;margin-left:0.8em;padding-left:2em;" ng-
model="check_tipo_cruzamento" type="checkbox" ng-click="ativarCruzamento()"
id="tipo_cruzamento"></input>
                    <div class="col-md-11 descricao-cadastro"
style="width:95%"><small>Selecione a opção caso a variável pertença a um
indicador que faz o cruzamento entre <u> dois (ou mais) bancos de dados </u>
e possua <u> categorias </u> de composição de variável distintas nos
dois (ou mais) bancos de dados</small></div>
                    </div>

                <div class="container elemento-cadastro"
style="background-color:#E5E5E5;border-
color:#DDDDDD;border-width:1px;border-style:solid;">
                    <label> Filtros da variável </label>
                    <div><small> Selecione os filtros necessários para
composição da variável. Caso deixe o campo em branco a informação não será

```

```

considerada para a composição da variável </small></div>
    <div data-ng-repeat="filtro in variavelFiltro | orderBy
: 'ordem'">
        <div class="row">
            <div class="col-sm-5"> <label ng-attr-
for="{{'coluna_valor-'+$index}}><small>Selecione a coluna do banco de dados
que contém o valor a ser filtrado </small> </label> </div>
            <div class="col-sm-2"> <label ng-attr-
for="{{'operador_comparador-'+$index}}><small>Operação de
comparação </small></label></div>
            <div class="col-sm-3" ng-
if="filtro.operador_comparador!='is' &#
filtro.operador_comparador!='is not'"> <label ng-attr-for="{{'valor-
+$index}}><small>Valor </small></label></div>
            <div class="col-sm-1"> <label ng-attr-
for="{{'operador_logico-'+$index}}><small>e/ou
</small></label></div> </div>
            <div class="row">
                <div class="col-sm-5">
                    <select class="controle-cadastro" style="max-
width:100%;" data-ng-options="coluna as coluna for coluna
in fonteDados.colunas" data-ng-model="filtro.coluna" ng-
attr-id="{{'coluna_valor-'+$index}}>
                        <option value=""></option>
                    </select>
                </div>
                <div class="col-sm-2">
                    <select class="controle-cadastro" data-
ng-model="filtro.operador_comparador" ng-attr-
id="{{'operador_comparador-'+$index}}>
                        <option value=""></option>
                        <option value="=">igual a</option>
                        <option value="!=">diferente de</option>
                        <option value="">>maior que</option>
                        <option value="">>maior ou igual
                            a</option>
                        <option value="<">menor que</option>
                        <option value="<=">menor ou igual
                            a</option>
                        <option value="like">contém</option>
                        <option value="not like">não
                            contém</option>
                        <option value="is">valores
                            "vazios"</option>
                        <option value="is not">valores "não
                            vazios"</option>
                </div>
            </div>
        </div>
    </div>

```

```

        </select>
    </div>
    <div class="col-sm-3">
        <input class="controle-cadastro" ng-
if="filtro.operador_comparador!='is' & filtro.operador_comparador!='is
not'" type="text" style="max-width:100%;width:100%;" data-ng-
model="filtro.valor" ng-attr-id="{{'valor-'+$index}}"></input>
    </div>
    <div class="col-sm-1">
        <select class="controle-cadastro" data-ng-
model="filtro.operador_logico" ng-attr-id="{{'operador_logico-'+$index}}>
            <option value=""></option>
            <option value="AND">e</option>
            <option value="OR">ou</option>

        </select>
    </div>
    <div class="col-sm-1 pull-right">
        <button ng-
click="deletarElemento($index)">-</button>
    </div>
    </div>

</div>

<button type="button" style="margin-top:1em;margin-
bottom:1em" data-ng-click="adicionarElemento()">Adicionar Filtro</button>
</div>
<br>
<input type="button" data-ng-show="estado!='inserir'" value="Atualizar" data-ng-click="confirmarModal('Atualizar')">
<input type="button" data-ng-show="estado!='inserir'" value="Remover" data-ng-click="confirmarModal('Remover')">

</span>

<input data-ng-show="estado!='inserir'" type="button" value="Nova variável" data-ng-click="limparForm()">

<input data-ng-show="estado=='inserir'" type="button" value="Gravar" data-ng-click="confirmarModal('Inserir')">
<input data-ng-show="estado=='inserir'" type="button" value="Voltar" data-ng-click="voltar()">

</form>

```

```

<?php }else{ ?>
    <h4> Você não possui autorização para visualizar esse
conteúdo.</h4>
<?php } ?>

</div>

```

Cadastro_instrumento.php

```

<?
ph
p
/*
 * Template Name: Cadastro
Instrumento */
?>

<script type="text/javascript">
jQuery.noConflict();
var app = angular.module('monitoramentoPde',
['ngResource','ngAnimate','ui.bootstrap','angular.filter']);
app.factory('GrupoIndicador',function($resource){
    return $resource('/wp-
json/monitoramento_pde/v1/grupo_indicador/:id',{id:'@id_grupo_indicador'},{
        update:{
            method:'PUT'
        }
    });
});
app.controller("cadastroGrupo", function($scope, $rootScope, $http,
$filter, $uibModal, GrupoIndicador) {

    $scope.estado = "listar";

    $scope.carregarTipo = function(){
        if($scope.tipo=='estrategia')
            $scope.tipoExibicao = 'Estratégia';

        if($scope.tipo=='instrumento')
            $scope.tipoExibicao = 'Instrumento';

```

```

GrupoIndicador.query({tipo:$scope.tipo,tipo_retorno:'array'},function( grupos)
{
    $rootScope.listaGrupos = grupos;
    $rootScope.grupos = grupos;
});
$scope.estado = 'listar';
};

$scope.carregar = function(){
    $scope.itemAtual = $rootScope.grupos.filter((grupo)
=> grupo.id_grupo_indicador == $scope.idItemAtual)[0];
    if($scope.itemAtual != null){
        $scope.estado = "selecionar";
    }
};

$scope.adicionarElemento = function(){
    $scope.itemAtual.propriedades.push({});
};

$scope.confirmarModal = function(acao){
    $rootScope.modalConfirmacao = $uibModal.open({
        animation: true,
        ariaLabelledBy: 'modal-titulo-grupo',
        ariaDescribedBy: 'modal-corpo-grupo',
        templateUrl: 'ModalConfirmacao.html',
        controller: 'cadastroGrupo',
        scope:$scope,
        size: 'md',
    });
    $scope.acao = acao;
};

$scope.limparForm = function(){
    $scope.itemAtual = {};
    $scope.itemAtual.propriedades =[];
    $scope.estado = "inserir";
};

$scope.atualizar = function(){

    GrupoIndicador.update({grupo:$scope.itemAtual,id_grupo_indicador:$scope.itemAtual.id_grupo_indicador,tipo:$scope.tipo}).$promise.then(
        function(mensagem){
            alert('O ' + $scope.tipo + ' foi atualizado com sucesso.');
        }
    );
}

```

```

GrupoIndicador.query({tipo:$scope.tipo,tipo_retorno:'array'},function( grupos)
{
    $rootScope.grupos = grupos;
},
function(error){
    alert('Ocorreu um erro ao atualizar ' +
$scope.tipo + '. Mensagem de erro:\n\n' + error.data);
}
);
};

$scope.remover = function(){

GrupoIndicador.remove({id:$scope.itemAtual.id_grupo_indicador}).$promise.then(
function(mensagem){
    alert('O ' + $scope.tipo + ' foi removido com
sucesso.');
}

GrupoIndicador.query({tipo:$scope.tipo,tipo_retorno:'array'},function( grupos)
{
    $rootScope.grupos = grupos;
}),
function(error){
    alert('Ocorreu um erro ao remover ' +
$scope.tipo + '. Mensagem de erro:\n\n' + error.data);
}
);
$scope.idItemAtual = null;
$scope.$parent.estado = "listar";
};

$scope.inserir = function(){

GrupoIndicador.save({grupo:$scope.itemAtual, tipo:$scope.tipo}).$promise.then(
function(mensagem){
    alert('O ' + $scope.tipo + ' foi inserido com
sucesso.');
    Variavel.query(function(variaveis) {
        $rootScope.variaveis = variaveis;
    });
},
function(error){

```

```

                alert('Ocorreu um erro ao remover o ' +
$scope.tipo + '. Mensagem de erro:\n\n' + erro.data);
            }
        );
        $scope.$parent.estado = "listar";
        $scope.carregar();
    };
    $scope.voltar = function(){
        $scope.estado = "listar";
        $scope.carregar();
    };
    $scope.fecharModal = function(){
        $rootScope.modalConfirmacao.close();
    };

    $scope.submeter = function(){
        if($scope.acao == 'Atualizar')
            $scope.atualizar();
        else
            if($scope.acao == 'Remover')
                $scope.remover();
            else
                if($scope.acao == 'Inserir')
                    $scope.inserir();

        $rootScope.modalConfirmacao.close();
    };

    $scope.deletarElemento = function(indice){
        $scope.itemAtual.propriedades.splice(indice,1);
    };

    function Workbook() {
        if(!(this instanceof Workbook)) return new Workbook();
        this.SheetNames = [];
        this.Sheets = {};
    }

    function criarCelula(c, r, val){
        var cell = {v: val};

        if(cell.v == null) cell.v = '';

        if(typeof cell.v === 'number') cell.t = 'n';
        else if(typeof cell.v === 'boolean') cell.t = 'b';
        else if(cell.v instanceof Date) {

```

```

        cell.t = 'n'; cell.z = XLSX.SSF._table[14];
        cell.v = datenum(cell.v);
    }
    else cell.t = 's';

    return cell;
}

function s2ab(s) {
    var buf = new ArrayBuffer(s.length);
    var view = new Uint8Array(buf);
    for (var i=0; i!=s.length; ++i) view[i] = s.charCodeAt(i) &
0xFF;
    return buf;
}

$scope.exportarGrupos = function(){

    var wb = new Workbook();

    var wsInstrumentos = {};
    var wsEstrategias = {};

    var instrumentosExp = null;
    var estrategiasExp = null;

    var linha = 0;

    linhaInstrumento = 0;
    linhaEstrategia = 0;

    //carregando dados para exportação, puxa da api se
    necessário

    wsInstrumentos[XLSX.utils.encode_cell({c:0 ,r:0})]
= criarCelula(0 ,0,'ID');
    if($scope.tipo == 'estrategia'){
        estrategiasExp = $rootScope.grupos;

        GrupoIndicador.query({tipo:'instrumento',tipo_retorno:'array'},function
(grupos) {
            instrumentosExp = grupos;
            exportarInstrumentoEstrategia();
        });
    }else{
        if($scope.tipo == 'instrumento'){


```

```

instrumentosExp = $rootScope.grupos;

GrupoIndicador.query({tipo:'estrategia',tipo_retorno:'array'},function
(grupos) {
    estrategiasExp = grupos;
    exportarInstrumentoEstrategia();
});

}else{

    GrupoIndicador.query({tipo:'instrumento',tipo_retorno:'array'},functio
n(grupos) {
        instrumentosExp = grupos;

        GrupoIndicador.query({tipo:'estrategia',tipo_retorno:'array'},function
(grupos) {
            estrategiasExp = grupos;

            exportarInstrumentoEstrategia();
        });
    });
}

exportarInstrumentoEstrategia = function(){
    wsInstrumentos[XLSX.utils.encode_cell({c:0
,r:0})] = criarCelula(0 ,0,'ID');
    wsInstrumentos[XLSX.utils.encode_cell({c:1
,r:0})] = criarCelula(1 ,0,'Nome');

    wsEstrategias[XLSX.utils.encode_cell({c:0
,r:0})] = criarCelula(0 ,0,'ID');
    wsEstrategias[XLSX.utils.encode_cell({c:1
,r:0})] = criarCelula(1 ,0,'Nome');

    var indiceInstrumento = 0;

    while(!instrumentosExp[indiceInstrumento].propriedades[0].chave
&& indiceInstrumento < instrumentosExp.length)
        indiceInstrumento++;

    console.log(instrumentosExp[indiceInstrumento].propriedades);
}

```

```

        coluna = 2;

    angular.forEach(instrumentosExp[indiceInstrumento].propriedades, function(propriedade, chave){

        wsInstrumentos[XLSX.utils.encode_cell({c:coluna ,r:0})] =
        = criarCelula(coluna ,0, propriedade.chave);
                    coluna++;
                });

        var indiceEstrategia = 0;

        while(!estrategiasExp[indiceEstrategia].propriedades
&& indiceEstrategia < estrategiasExp.length)
            indiceEstrategia++;

        coluna = 2;

        angular.forEach(estrategiasExp[0].propriedades, function(propriedade, chave){

            wsEstrategias[XLSX.utils.encode_cell({c:coluna ,r:0})] =
            = criarCelula(coluna ,0, propriedade.chave);
                    coluna++;
                });

        linha = 1;

        angular.forEach(instrumentosExp, function(instrumento, chave){

            wsInstrumentos[XLSX.utils.encode_cell({c:0 ,r:linha})] =
            criarCelula(0 ,linha,instrumento.id_grupo_indicador);

            wsInstrumentos[XLSX.utils.encode_cell({c:1 ,r:linha})] =
            criarCelula(1 ,linha,instrumento.nome);

            coluna = 2;

            angular.forEach(instrumento.propriedades, function(propriedade, chave){

                wsInstrumentos[XLSX.utils.encode_cell({c:coluna,r:linha})] =

```

```

    criarCelula(coluna,linha,propriedade.valor);
                coluna++;
}

});

linha++;

});

var range = {s: {c:0, r:0}, e: {c:coluna, r:
linha}};
wsInstrumentos['!ref'] =
XLSX.utils.encode_range(range);

linha = 1;

angular.forEach(estrategiasExp,function(estrategia,chave){

wsEstrategias[XLSX.utils.encode_cell({c:0
,r:linha})] = criarCelula(0 ,linha,estrategia.id_grupo_indicador);
wsEstrategias[XLSX.utils.encode_cell({c:1
,r:linha})] = criarCelula(1 ,linha,estrategia.nome);

coluna = 2;

angular.forEach(estrategia.propriedades,function(propriedade,chave){

wsEstrategias[XLSX.utils.encode_cell({c:coluna,r:linha})]
= criarCelula(coluna,linha,propriedade.valor);
coluna++;

});

linha++;

});

var range = {s: {c:0, r:0}, e: {c:coluna, r:
linha}};
wsEstrategias['!ref'] =
XLSX.utils.encode_range(range);

/* add worksheet to workbook */
wb.SheetNames.push('Instrumentos');

```

```

        wb.SheetNames.push('Estrategias');
        wb.Sheets['Instrumentos'] = wsInstrumentos;
        wb.Sheets['Estrategias'] = wsEstrategias;

        var wbout = XLSX.write(wb, {bookType:'xlsx',
bookSST:false, type: 'binary'});

        saveAs(new
Blob([s2ab(wbout)],{type:"application/octet-
stream"}), "estrategias_e_instrumentos.xlsx");
    }

};

</script>

<?php get_template_part('templates/page', 'header'); ?>

<div class="content-page container text-justify" data-ng-
app="monitoramentoPde" data-ng-controller="cadastroGrupo">

<script type="text/ng-template" id="ModalConfirmacao.html">

<div class="modal-instrumento">
    <div class="modal-header">
        <h3 class="modal-title" id="modal-titulo-instrumento"> {{acao}}
{{tipoExibicao}} <button class="btn btn-danger pull-right" type="button"
ng-click="fecharModal()">X</button></h3>
    </div>
    <div class="modal-body" id="modal-corpo-instrumento">
        Você irá {{acao.toLowerCase()}} a
{{tipoExibicao}} {{itemAtual.nome}}. <br><br> Confirme sua ação.
    </div>
    <div class="modal-footer">
        <button class="btn btn-danger" type="button" ng-
click="fecharModal()"> Abortar</button>
        <button class="btn btn-success" type="button"
ng-click="submeter()"> Confirmar</button>
    </div>
</div>

```

```

</div>
</script>

<?php the_content(); ?>
<?php
    $autorizado = false;
    if(is_user_logged_in()){
        $usuario = wp_get_current_user();
        foreach($usuario->roles as $role) {
            if(strtolower($role) == 'administrator')
                $autorizado = true;
        }
    }else
        $autorizado = false;

    if($autorizado){
?>
<form>
    <button class="btn-primary" type="button" ng-
click="exportarGrupos()"> Exportar relação de estratégias e
instrumentos </button>
    <div class="elemento-cadastro" >

        <label for="tipo"> Tipo de grupo de indicador
</label>

        <div class="descricao-
cadastro"><small>Selecione o tipo de grupo de indicador</small></div>

        <select class="controle-cadastro" ng-
model="tipo" ng-change="carregarTipo()" id="tipo">
            <option
value="instrumento">Instrumentos</option>
            <option value="estrategia">Estratégias</option>
        </select>
    </div>

    <span data-ng-show="estado!='inserir' &#
        tipo!=null"> <div class="elemento-cadastro" >

```

```

        <label for="grupo" > {{tipoExibicao}} </label>

        <div class="descricao-
cadastro"><small>Selecione o {{tipoExibicao}}</small></div>

                <select class="controle-cadastro"
style="max-width:100%;" data-ng-model="idItemAtual" data-ng-
options="grupo.id_grupo_indicador as grupo.nome for grupo in grupos
| orderBy: 'nome'" data-ng-change="carregar()" id="grupo">
                    <option value=""></option>
                </select>
            </div>

        </span>

        <span data-ng-show="estado!='listar' ■ tipo!=null">

            <div class="elemento-cadastro">
                <label for="nome"> Nome do {{tipoExibicao}}</label>
                <div class="descricao-cadastro"><small> Defina
o nome que o {{tipoExibicao}} terá </small></div>
                <input class="controle-cadastro" type="text"
style="max-width:100%;width:100%;" data-ng-model="itemAtual.nome"
id="nome"></input>
            </div>

            <div class="container elemento-cadastro"
style="background-color:#E5E5E5; border-color:#DDDDDD; border-width:1px; border-
style:solid;">
                <label> Propriedades {{tipo=='estategia'?
'da':'do'}} {{tipoExibicao}} </label>
                <div><small> Edite as propriedades
{{tipo=='estategia'? 'da':'do'}} {{tipoExibicao}} </small></div>
                <div data-ng-repeat="propriedade
in itemAtual.propriedades">

                    <div class="row">
                        <div class="col-sm-3"> <label ng-
attr-for="{{'chave-'+$index}}><small>Item </small> </label> </div>
                        <div class="col-sm-7"> <label ng-
attr-for="{{'valor-'+$index}}><small> </small></label></div>
                        <div class="col-sm-1"> <label ng-
attr-for="{{'ordem-'+$index}}><small>Ordem</small></label></div> </div>
                
```

```

        <div class="row">
            <div class="col-sm-3">
                <input class="control-
cadastro" type="text" style="max-width:100%;width:100%;" data-n-
model="propriedade.chave" ng-attr-id="{{'chave-'+$index}}" ></input>
            </div>
            <div class="col-sm-7">
                <textarea rows="4"
type="text" style="max-width:100%;width:100%;" data-n-
model="propriedade.valor" ng-attr-id="{{'valor-'+$index}}"
                ></textarea> </div>
            <div class="col-sm-1">
                <input class="control-
cadastro" type="text" style="max-width:100%;width:100%;" data-n-
model="propriedade.ordem" ng-attr-id="{{'ordem-'+$index}}" ></input>
            </div>
            <div class="col-sm-1 pull-right">
                <button ng-
click="deletarElemento($index)">-</button>
            </div>
        </div>

        <button type="button" style="margin-top:1em;margin-
bottom:1em" data-ng-click="adicionarElemento()">Adicionar item</button>
        </div>
        <br>
        <input type="button" data-ng-show="estado!='inserir'" value="Atualizar" data-ng-click="confirmarModal('Atualizar')">
        <input type="button" data-ng-show="estado!='inserir'" value="Remover" data-ng-click="confirmarModal('Remover')">
    </span>
    <input data-ng-show="estado!='inserir' █ tipo!=null" type="button" value="Novo" data-ng-click="limparForm()">
    <input data-ng-show="estado=='inserir'" type="button" value="Gravar" data-ng-click="confirmarModal('Inserir')">
    <input data-ng-show="estado=='inserir'" type="button" value="Voltar" data-ng-click="voltar()">
</form>

```

```

<?php }else{ ?>
    <h4> Você não possui autorização para visualizar esse
conteúdo.</h4>
<?php } ?>

</div>

```

Cadastro_indicador_composto.php

```

<p
hp
/**
 * Template Name: Cadastro Indicador
Composto */
?>

<script type="text/javascript">
jQuery.noConflict();
var app = angular.module('monitoramentoPde',
['ngResource','ngAnimate','ui.bootstrap','angular.filter']);
app.factory('Indicador',function($resource){
    return $resource('/wp-
json/monitoramento_pde/v1/indicador/:id',{id:'@id_indicador'});
});
app.factory('IndicadorFusao',function($resource){
    return $resource('/wp-
json/monitoramento_pde/v1/indicador/fusao/:id',{id:'@id_indicador'},{
        update:{
            method:'PUT'
        }
    });
});
app.controller("cadastroIndicadorComposicao", function($scope,
$rootScope, $http, $filter, $uibModal, Indicador, IndicadorFusao) {

    Indicador.query(function(indicadores){
        $scope.indicadores = indicadores;
    });

    IndicadorFusao.query(function(indicadoresCompostos) {
        $rootScope.listaIndicadoresCompostos =
indicadoresCompostos;
        $rootScope.indicadoresCompostos = indicadoresCompostos;
    });
})

```

```

    });

    $scope.estado = "listar";

    $scope.carregar = function(){
        $scope.itemAtual =
            $rootScope.indicadoresCompostos.filter((indicador) =>
                indicador.id_indicador_pai == $scope.idItemAtual)[0];
        $scope.estado = 'selecionar';
    };

    $scope.carregarIndicadorNovo = function(){
        $rootScope.idNovoIndicador = $scope.idNovoIndicador;
    }

    $scope.adicionarElemento = function(){
        $scope.itemAtual.composicao.push({});
    };

    $scope.confirmarModal = function(acao){
        $scope.indicadorPai = $scope.indicadores.filter((indicador)
=> indicador.id_indicador == $rootScope.idNovoIndicador)[0];
        $rootScope.modalConfirmacao = $uibModal.open({
            animation: true,
            ariaLabelledBy: 'modal-titulo-indicador',
            ariaDescribedBy: 'modal-corpo-indicador',
            templateUrl: 'ModalConfirmacao.html',
            controller: 'cadastroIndicadorComposicao',
            scope:$scope,
            size: 'md',
        });
        $scope.acao = acao;
    };

    $scope.limparForm = function(){
        $scope.itemAtual = {};
        $scope.itemAtual.composicao = [];
        $scope.idItemAtual = null;
        $scope.estado = "inserir";
    };

    $scope.atualizar = function(){
        $rootScope.itemAtual = $scope.itemAtual;

        IndicadorFusao.update({composicao:$scope.itemAtual.composicao,id_indicador:$scope.itemAtual.id_indicador_pai}).$promise.then(

```

```

        function(mensagem){
            alert('O indicador composto foi atualizado com
sucesso.');
        },
        function(erro){
            alert('Ocorreu um erro ao atualizar o
indicador composto. Mensagem de erro:\n\n' + erro.data);
        }
    );
};

$scope.remover = function(){
    IndicadorFusao.remove({id:$scope.itemAtual.id_indicador_pai}).$promise.t
hen(
    function(mensagem){
        alert('O indicador composto foi removido com
sucesso.');
        IndicadorFusao.query(function(indicadoresCompostos)
{
        $rootScope.indicadoresCompostos =
indicadoresCompostos;
    });
},
    function(erro){
        alert('Ocorreu um erro ao remover o indicador
composto. Mensagem de erro:\n\n' + erro.data);
    }
);
$scope.$parent.idItemAtual = null;
$scope.$parent.estado = "listar";
};
$scope.inserir = function(){
    console.log($rootScope.idNovoIndicador);
    console.log($scope.idNovoIndicador);

    IndicadorFusao.save({composicao:$scope.itemAtual.composicao,id_indicador
:$rootScope.idNovoIndicador}).$promise.then(
        function(mensagem){
            alert('O indicador composto foi inserido com
sucesso.');
        },
        function(erro){
            alert('Ocorreu um erro ao salvar o indicador
composto. Mensagem de erro:\n\n' + erro.data);
        }
    )
}

```

```

    );
    IndicadorFusao.query(function(indicadoresCompostos) {
        $rootScope.indicadoresCompostos = indicadoresCompostos;
    });

    $scope.$parent.estado = "listar";
    $scope.carregar();
};

$scope.voltar = function(){
    $scope.estado = "listar";
};

$scope.fecharModal = function(){
    $rootScope.modalConfirmacao.close();
};

$scope.submeter = function(){

    if($scope.acao == 'Atualizar')
        $scope.atualizar();
    else
        if($scope.acao == 'Remover')
            $scope.remover();
        else
            if($scope.acao == 'Inserir')
                $scope.inserir();

    $rootScope.modalConfirmacao.close();
};

$scope.deletarElemento = function(indice){
    $scope.itemAtual.composicao.splice(indice,1);
};

});

</script>

```

```
<?php get_template_part('templates/page', 'header'); ?>
```

```
<div class="content-page container text-justify" data-ng-app="monitoramentoPde"
data-ng-controller="cadastroIndicadorComposicao">
```

```

<script type="text/ng-template" id="ModalConfirmacao.html">

<div class="modal-instrumento">
    <div class="modal-header">
        <h3 class="modal-title" id="modal-titulo-variavel"> {{acao}}
        indicador composto <button class="btn btn-danger pull-right"
        type="button" ng-click="fecharModal()">X</button></h3>
    </div>
    <div class="modal-body" id="modal-corpo-variavel">
        Você irá {{acao.toLowerCase()}} o indicador
        composto {{indicadorPai.nome}}. <br><br> Confirme sua ação.
    </div>
    <div class="modal-footer">
        <button class="btn btn-danger" type="button" ng-
        click="fecharModal()"> Abortar</button>
        <button class="btn btn-success" type="button"
        ng-click="submeter()"> Confirmar</button>
    </div>
</div>
</script>

<?php the_content(); ?>
<?php
    $autorizado = false;
    if(is_user_logged_in()){
        $usuario = wp_get_current_user();
        foreach($usuario->roles as $role) {
            if(strtolower($role) == 'administrator')
                $autorizado = true;
        }
    }else
        $autorizado = false;
    if($autorizado){
?>
<form>

    <span data-ng-show="estado!='inserir'">
        <div class="elemento-cadastro" >

```

```

        <label for="indicador_composto"> Indicador pai
</label>

        <div class="descricao-cadastro"><small>Selecione o
indicador pai</small></div>

        <select class="controle-cadastro" style="max-
width:100%;" data-ng-model="idItemAtual" data-ng-
options="indicador_pai.id_indicador_pai as indicador_pai.nome_indicador_pai
for indicador_pai in indicadoresCompostos | orderBy: 'nome_indicador_pai'"
data-ng-change="carregar()" id="indicador_composto">
            <option value=""></option>
        </select>
        </div>
        </span>

        <span data-ng-show="estado=='inserir'">
            <div class="elemento-cadastro" >

                <label for="indicador_pai"> Indicador pai </label>

                <div class="descricao-cadastro"><small>Selecione o
indicador pai</small></div>

                <select class="controle-cadastro" style="max-
width:100%;" data-ng-model="idNovoIndicador" data-ng-
options="indicador.id_indicador as indicador.nome for indicador in
indicadores | orderBy: 'nome'" data-ng-change="carregarIndicadorNovo()">
                    <option value=""></option>
                </select>
                </div>
                </span>

                <span data-ng-show="estado!='listar'">

                    <div class="container elemento-cadastro"
style="background-color:#E5E5E5; border-color:#DDDDDD; border-width:1px; border-
style:solid;">
                        <label> Indicadores Filho </label>
                        <div><small> Selecione os indicadores e as categorias
que irão compor o indicador pai. </small></div>
                        <div data-ng-repeat="filho in itemAtual.composicao |
orderBy : 'ordem'">
                            <div class="row">

```

```


<div class="col-sm-7"> <label ng-attr-for="{'indicador_filho-'+$index}"><small>Selecione o indicador filho</small> </label> </div>
    <div class="col-sm-4"> <label ng-attr-for="{'categoria-'+$index}"><small>Insira a categoria </small></label></div>

    </div>
    <div class="row">
        <div class="col-sm-7">
            <select class="controle-cadastro" style="max-width:100%;" data-ng-options="indicador.id_indicador as indicador.nome for indicador in indicadores | orderBy: 'nome'" data-ng-model="filho.id_indicador_filho" ng-attr-id="{'indicador_filho-'+$index}">
                </select>
            </div>
        <div class="col-sm-4">
            <input class="controle-cadastro" type="text" style="max-width:100%;width:100%;" data-ng-model="filho.dimensao" ng-attr-id="{'categoria-'+$index}">
        </div>
    </div>


```



```

        <div class="col-sm-1 pull-right">
            <button ng-click="deletarElemento($index)">-
        </button>
        </div>
        </div>
    </div>

    <button type="button" style="margin-top:1em;margin-bottom:1em" data-ng-click="adicionarElemento()">Adicionar Filtro</button>
    </div>
    <br>
    <input type="button" data-ng-show="estado!='inserir'" value="Atualizar" data-ng-click="confirmarModal('Atualizar')">
    <input type="button" data-ng-show="estado!='inserir'" value="Remover" data-ng-click="confirmarModal('Remover')">

```



```

    </span>

    <input data-ng-show="estado!='inserir'" type="button" value="Novo Indicador composto" data-ng-click="limparForm()">

```

```

        <input data-ng-show="estado=='inserir'" type="button"
value="Gravar" data-ng-click="confirmarModal('Inserir')">
        <input data-ng-show="estado=='inserir'" type="button"
value="Voltar" data-ng-click="voltar()">

</form>

<?php }else{ ?>
    <h4> Você não possui autorização para visualizar esse
conteúdo.</h4>
<?php } ?>

</div>

```

Cadastro_indicador.php

```

<?
ph
p
/*
 * Template Name: Cadastro Indicadores
*/
?>

<script type="text/javascript">
jQuery.noConflict();
var app = angular.module('monitoramentoPde',
['ngResource','ngAnimate','ui.bootstrap','angular.filter']);
app.factory('Indicador',function($resource){
    return $resource('/wp-
json/monitoramento_pde/v1/indicador/:id',{id:'@id_indicador'},{
        update:{ 
            method:'PUT'
        }
    });
});
app.factory('IndicadorValores',function($resource){
    return $resource('/wp-

```

```

json/monitoramento_pde/v1/indicador/valores/:id',{id:'@id_indicador'},{
    update:{method:'PUT'}
});
});

app.factory('Variavel',function($resource){
    return $resource('/wp-json/monitoramento_pde/v1/variavel/:id');
});

app.factory('IndicadorComposicao',function($resource){
    return $resource('/wp-
json/monitoramento_pde/v1/indicador_composicao/:id',{id:'@id_indicador'},{
    update:{method:'PUT'}
});
});

app.factory('Instrumentos',function($resource){
    return $resource('/wp-json/monitoramento_pde/v1/instrumentos');
});

app.factory('Estrategias',function($resource){
    return $resource('/wp-json/monitoramento_pde/v1/grupo_indicador');
});

app.factory('Territorios',function($resource){
    return $resource('/wp-json/monitoramento_pde/v1/territorios');
});

app.controller("cadastroIndicador", function($scope, $rootScope, $http,
$filter, $uibModal, Indicador, Instrumentos, Territorios,
IndicadorComposicao, Variavel, IndicadorValores, Estrategias) {

    Indicador.query(function(indicadores) {
        $rootScope.listaIndicadores = indicadores;
        $rootScope.indicadores = indicadores;
    });

    Variavel.query(function(variaveis) {
        $scope.variaveis = variaveis;
    });

    Estrategias.query({tipo:'estrategia',tipo_retorno:'object'},function(est
rategias) {
        $scope.estrategias = estrategias;
    });
}

$rootScope.mensagemCalculo = "O indicador será calculado e armazenado
na base de dados";

```

```

Instrumentos.query(function(instrumentos){
    $scope.instrumentos = instrumentos;
});

Territorios.query(function(territorios){
    $scope.territorios = territorios;
});

$scope.estado = "listar";

$scope.filtrarInstrumento = function(){
    if($scope.idInstrumentoAtivo != null)
        $rootScope.indicadores =
$rootScope.listaIndicadores.filter((indicador) => indicador.id_instrumento ==
$scope.idInstrumentoAtivo);
    else
        $rootScope.indicadores = $rootScope.listaIndicadores;
}

$scope.carregarIndicador = function(){
    $scope.indicadorAtivo = $rootScope.indicadores.filter((indicador)
=> indicador.id_indicador == $scope.idIndicadorAtivo)[0];
    if($scope.indicadorAtivo != null){

        IndicadorComposicao.query({id:$scope.indicadorAtivo.id_indicador},functi
on(indicadorComposicao){
            $scope.indicadorComposicao = indicadorComposicao;
            $scope.estado = "selecionar";
        });
    }else
        $scope.indicadorComposicao = null;
};

$scope.adicionarElemento = function(){
    $scope.indicadorComposicao.push({});

};

$scope.confirmarModal = function(acao){
    $rootScope.modalConfirmacao = $uibModal.open({
        animation: true,
        ariaLabelledBy: 'modal-titulo-indicador',
        ariaDescribedBy: 'modal-corpo-indicador',
        templateUrl: 'ModalConfirmacao.html',
        controller: 'cadastroIndicador',
}

```

```

        scope:$scope,
        size: 'md',
    });
    $scope.acao = acao;
};

$scope.limparForm = function(){
    $scope.indicadorAtivo = null;
    $scope.indicadorComposicao = [];
    $scope.estado = "inserir";
};

$scope.atualizar = function(){

    IndicadorComposicao.update({composicao:$scope.indicadorComposicao,id_indicador:$scope.indicadorAtivo.id_indicador}).$promise.then(
        function(mensagem){
            alert('Ocorreu um erro ao atualizar a composição do indicador. Mensagem de erro:\n\n' + erro.data);
        }
    );

    Indicador.update({indicador:$scope.indicadorAtivo}).$promise.then(
        function(mensagem){
            alert('O indicador foi atualizado com sucesso.');
            Indicador.query(function(indicadores) {
                $rootScope.indicadores = indicadores;
                $scope.filtrarInstrumento();
            });
        },
        function(erro){
            alert('Ocorreu um erro ao atualizar o indicador. Mensagem de erro:\n\n' + erro.data);
        }
    );
};

/*$scope.calcular = function(){

IndicadorValores.update({id_indicador:$scope.indicadorAtivo.id_indicador }).$promise.then(
    function(mensagem){
        alert('O indicador foi calculado com sucesso.');
        IndicadorValores.update(function(indicadores) {
```

```

        $rootScope.indicadores = indicadores;
    });
},
function(erro){
    alert('Ocorreu um erro ao atualizar o indicador.
Mensagem de erro:\n\n' + erro.data);
}
);

};

};

$scope.remover = function(){

    IndicadorComposicao.remove({id:$scope.indicadorAtivo.id_indicador}).$pro
mise.then(
    function(mensagem){

    },
    function(erro){
        alert('Ocorreu um erro ao remover a composição
do indicador. Mensagem de erro:\n\n' + erro.data);
    }
);

};

Indicador.remove({id:$scope.indicadorAtivo.id_indicador}).$promise.then(
    function(mensagem){
        alert('O indicador foi removido com sucesso.');
        Indicador.query(function(indicadores) {
            $rootScope.indicadores = indicadores;
            $scope.filtrarInstrumento();
        });
    },
    function(erro){
        alert('Ocorreu um erro ao remover o indicador.
Mensagem de erro:\n\n' + erro.data);
    }
);
$scope.$parent.idIndicadorAtivo = null;
$scope.$parent.estado = "listar";
};

$scope.inserir = function(){
    $rootScope.indicadorComposicao = $scope.indicadorComposicao;
    Indicador.save({indicador:$scope.indicadorAtivo}).$promise.then(
        function(mensagem){

```

```

        IndicadorComposicao.save({composicao:$rootScope.indicadorComposicao,id_i
ndicador:mensagem.id_indicador}).$promise.then(
            function(mensagem){
                alert('O indicador foi
inserido com sucesso.');
            },
            function(erro){
                alert('Ocorreu um erro ao
salvar a composição do indicador. Mensagem de erro:\n\n' + erro.data);
            }
        );
        Indicador.query(function(indicadores) {
            $rootScope.indicadores = indicadores;
            $scope.filtrarInstrumento();
        });
        },
        function(erro){
            alert('Ocorreu um erro ao inserir o indicador.
Mensagem de erro:\n\n' + erro.data);
        }
    );
    $scope.$parent.estado = "listar";
    $scope.carregarIndicador();
};

$scope.voltar = function(){
    $scope.idIndicadorAtivo = null;
    $scope.estado = "listar";
};

$scope.fecharModal = function(){
    $rootScope.modalConfirmacao.close();
};

$scope.submeter = function(){
    if($scope.acao == 'Atualizar')
        $scope.atualizar();
    else
        if($scope.acao == 'Remover')
            $scope.remover();
        else
            if($scope.acao == 'Inserir')
                $scope.inserir();
            else
                if($scope.acao == 'Calcular')
                    $scope.calcular();

    $rootScope.modalConfirmacao.close();
};

```

```

$scope.desabilitarAtivo = function(){
    if($scope.indicadorAtivo.homologacao)
        $scope.indicadorAtivo.ativo = false;
};

$scope.desabilitarHomologacao = function(){
    if($scope.indicadorAtivo.ativo)
        $scope.indicadorAtivo.homologacao = false;
};

$scope.deletarElemento = function(indice){
    $scope.indicadorComposicao.splice(indice,1);
};

function Workbook() {
    if(!(this instanceof Workbook)) return new Workbook();
    this.SheetNames = [];
    this.Sheets = {};
}

function criarCelula(c, r, val){
    var cell = {v: val };

    if(cell.v == null) cell.v = '';

    if(typeof cell.v === 'number') cell.t = 'n';
    else if(typeof cell.v === 'boolean') cell.t = 'b';
    else if(cell.v instanceof Date) {
        cell.t = 'n'; cell.z = XLSX.SSF._table[14];
        cell.v = datenum(cell.v);
    }
    else cell.t = 's';

    return cell;
}

function s2ab(s) {
    var buf = new ArrayBuffer(s.length);
    var view = new Uint8Array(buf);
    for (var i=0; i!=s.length; ++i) view[i] = s.charCodeAt(i) & 0xFF;
    return buf;
}

$scope.exportarIndicadores = function(){

```

```

        var wb = new Workbook();

        var wsindicador = {};

        //criando cabeçalho
        wsindicador[XLSX.utils.encode_cell({c:0 ,r:0})]
= criarCelula(0 ,0,'ID');
        wsindicador[XLSX.utils.encode_cell({c:1 ,r:0})]
= criarCelula(1 ,0,'Nome');
        wsindicador[XLSX.utils.encode_cell({c:2 ,r:0})]
= criarCelula(2 ,0,'Descrição Síntese');
        wsindicador[XLSX.utils.encode_cell({c:3 ,r:0})]
= criarCelula(3 ,0,'Descrição Completa');
        wsindicador[XLSX.utils.encode_cell({c:4 ,r:0})]
= criarCelula(4 ,0,'Nota técnica');
        wsindicador[XLSX.utils.encode_cell({c:5 ,r:0})]
= criarCelula(5 ,0,'Instrumento de política urbana e ambiental');
        wsindicador[XLSX.utils.encode_cell({c:6 ,r:0})]
= criarCelula(6 ,0,'Estratégia 1');
        wsindicador[XLSX.utils.encode_cell({c:7 ,r:0})]
= criarCelula(7 ,0,'Estratégia 2');
        wsindicador[XLSX.utils.encode_cell({c:8 ,r:0})]
= criarCelula(8 ,0,'Fórmula de cálculo');
        wsindicador[XLSX.utils.encode_cell({c:9 ,r:0})]
= criarCelula(9 ,0,'Unidade de medida');
        wsindicador[XLSX.utils.encode_cell({c:10,r:0})]
= criarCelula(10,0,'Fonte');
        wsindicador[XLSX.utils.encode_cell({c:11,r:0})] =
criarCelula(11,0,'Periodicidade de atualização');
        wsindicador[XLSX.utils.encode_cell({c:12,r:0})] =
criarCelula(12,0,'Série histórica');

        wsindicador[XLSX.utils.encode_cell({c:13,r:0})]
= criarCelula(13,0,'Município');
        wsindicador[XLSX.utils.encode_cell({c:14,r:0})]
= criarCelula(14,0,'Macrorregião');
        wsindicador[XLSX.utils.encode_cell({c:15,r:0})]
= criarCelula(15,0,'Macroárea');
        wsindicador[XLSX.utils.encode_cell({c:16,r:0})]
= criarCelula(16,0,'Prefeitura Regional');
        wsindicador[XLSX.utils.encode_cell({c:17,r:0})]
= criarCelula(17,0,'Distrito');
        wsindicador[XLSX.utils.encode_cell({c:18,r:0})]
= criarCelula(18,0,'Perímetro de incentivo');
        wsindicador[XLSX.utils.encode_cell({c:19,r:0})]
= criarCelula(19,0,'ZDE e ZPI');

```

```

        wsindicador[XLSX.utils.encode_cell({c:20,r:0})]
= criarCelula(20,0,'Operação Urbana Consorciada');

        wsindicador[XLSX.utils.encode_cell({c:21,r:0})]
= criarCelula(21,0,'ZEIS');

        wsindicador[XLSX.utils.encode_cell({c:22,r:0})]
= criarCelula(22,0,'ZEPEC');

        linha = 1;

angular.forEach($scope.indicadores,function(indicador,chave){

    coluna = 0, //linha = 0;

    wsindicador[XLSX.utils.encode_cell({c:coluna,r:linha})]
= criarCelula(coluna,linha,indicador.id_indicador);
    coluna++;

    wsindicador[XLSX.utils.encode_cell({c:coluna,r:linha})]
= criarCelula(coluna,linha,indicador.nome);
    coluna++;

    wsindicador[XLSX.utils.encode_cell({c:coluna,r:linha})]
= criarCelula(coluna,linha,indicador.apresentacao);
    coluna++;

    wsindicador[XLSX.utils.encode_cell({c:coluna,r:linha})]
= criarCelula(coluna,linha,indicador.notas_tecnicas_resumida);
    coluna++;

    wsindicador[XLSX.utils.encode_cell({c:coluna,r:linha})]
= criarCelula(coluna,linha,indicador.notas_tecnicas);
    coluna++;

    wsindicador[XLSX.utils.encode_cell({c:coluna,r:linha})]
= criarCelula(coluna,linha,indicador.instrumento);
    coluna++;
    colunaEstrategia = coluna + 2;

angular.forEach(indicador.estrategias,function(estrategia,chave){

    wsindicador[XLSX.utils.encode_cell({c:coluna,r:linha})]
= criarCelula(coluna,linha,estrategia.nome);
    }
    coluna++;
}
)

```

```

        });
        coluna = colunaEstrategia;

        wsindicador[XLSX.utils.encode_cell({c:coluna,r:linha})]
= criarCelula(coluna,linha,indicador.formula_calculo);
        coluna++;

        wsindicador[XLSX.utils.encode_cell({c:coluna,r:linha})]
= criarCelula(coluna,linha,indicador.tipo_valor);
        coluna++;

        wsindicador[XLSX.utils.encode_cell({c:coluna,r:linha})]
= criarCelula(coluna,linha,indicador.fonte);
        coluna++;

        wsindicador[XLSX.utils.encode_cell({c:coluna,r:linha})]
= criarCelula(coluna,linha,indicador.periodicidade);
        coluna++;

        var tipoFormatoData = indicador.periodicidade
== 'anual' ? 'yyyy' : 'MMMM yyyy';

        if(indicador.datas){
            var serieHistorica =
$filter('date')(indicador.datas[indicador.datas.length-1] , tipoFormatoData) +
' a ' + $filter('date')(indicador.datas[0], tipoFormatoData);
            if(indicador.datas[0]){
                wsindicador[XLSX.utils.encode_cell({c:coluna,r:linha})]
= criarCelula(coluna,linha, serieHistorica);
            }
        }
        coluna++;
    }

    angular.forEach(indicador.territorios,function(territorio,chave){

        if(territorio){
            var colunaTerritorio = coluna;
            switch(territorio.nome){
                case 'Município':
                    colunaTerritorio = coluna;
                    break;
                case 'Macrorregião':
                    colunaTerritorio = coluna +
1;
                    break;
            }
        }
    })
}

```

```

                case 'Macroárea':
                    colunaTerritorio = coluna +
2;
                    break;
                case 'Prefeitura Regional':
                    colunaTerritorio = coluna +
3;
                    break;
                case 'Distrito':
                    colunaTerritorio = coluna +
4;
                    break;
                case 'Perímetro de Incentivo':
                    colunaTerritorio = coluna +
5;
                    break;
                case 'ZDE e ZPI':
                    colunaTerritorio = coluna +
6;
                    break;
                case 'Operação Urbana consorciada':
                    colunaTerritorio = coluna +
7;
                    break;
                case 'ZEIS':
                    colunaTerritorio = coluna +
8;
                    break;
                case 'ZEPEC':
                    colunaTerritorio = coluna +
9;
                    break;
            }

            wsindicador[XLSX.utils.encode_cell({c:colunaTerritorio,r:linha})]
= criarCelula(colunaTerritorio,linha,'X');
        }

    });

    linha++;
}

var range = {s: {c:0, r:0}, e: {c:22, r: linha}};
```

```

        wsindicador['!ref'] = XLSX.utils.encode_range(range);

        /* add worksheet to workbook */
        wb.SheetNames.push('Indicadores');
        wb.Sheets['Indicadores'] = wsindicador;

        var wbout = XLSX.write(wb, {bookType:'xlsx',
bookSST:false, type: 'binary'});

        saveAs(new
Blob([s2ab(wbout)],{type:"application/octet-stream"}), "indicadores.xlsx");
    }

});
```

<?php get_template_part('templates/page', 'header'); ?>

```

<div class="content-page container text-justify" data-ng-app="monitoramentoPde"
data-ng-controller="cadastroIndicador">

<script type="text/ng-template" id="ModalConfirmacao.html">

<div class="modal-instrumento">
    <div class="modal-header">
        <h3 class="modal-title" id="modal-titulo-indicador"> {{acao}}
indicador <button class="btn btn-danger pull-right" type="button" ng-
click="fecharModal()">X</button></h3>
    </div>
    <div class="modal-body" id="modal-corpo-indicador">
        Você irá {{acao.toLowerCase()}} o indicador
{{indicadorAtivo.nome}}. <br><br>
{{acao!="Remover"?mensagemCalculo:""}} <br><br> Confirme sua ação.
    </div>
    <div class="modal-footer">
        <button class="btn btn-danger" type="button" ng-
click="fecharModal()"> Abortar</button>
        <button class="btn btn-success" type="button"
ng-click="submeter()"> Confirmar</button>
    </div>
</div>
```

```

        </div>
    </div>
</script>

<?php the_content(); ?>
<?php
    $autorizado = false;

    //var_dump(wp_get_current_user());

    if(is_user_logged_in()){
        $usuario = wp_get_current_user();
        foreach($usuario->roles as $role) {
            if(strtolower($role) == 'administrator')
                $autorizado = true;
        }
    }else
        $autorizado = false;

    if($autorizado){
?>

<form style="margin-bottom:2em;">

    <button class="btn-primary" type="button" ng-
click="exportarIndicadores()"> Exportar relação de indicadores </button>

    <input type="button" data-ng-show="estado!='inserir' █
estado!='listar'" value="Novo indicador" class="btn-primary"
style="float:left;margin-right:1em;" data-ng-click="limparForm()">

        <span data-ng-show="estado!='inserir'">
        <div class="elemento-cadastro">
            <label for="instrumento_filtro"> Filtrar por
instrumento </label>
            <br>
            <div class="descricao-cadastro"><small>Selecione o
instrumento que o indicador pertence</small></div>

```

```

                <select class="controle-cadastro" style="max-
width:100%;" data-ng-options="instrumento.id_grupo_indicador as
instrumento.nome for instrumento in instrumentos | orderBy: 'nome'" data-
ng-model="idInstrumentoAtivo" data-ng-change="filtrarInstrumento()"
id="instrumento_filtro">
                    <option value=""> Sem filtro </option>
                </select>
            </div>

            <div class="elemento-cadastro">
                <label for="indicador"> Indicador </label>
                <br>
                <div class="descricao-cadastro"><small> Selecione o
indicador </small></div>

                <select class="controle-cadastro" style="max-
width:100%;" data-ng-model="idIndicadorAtivo" data-ng-
options="indicador.id_indicador as indicador.nome for indicador in indicadores
| orderBy: 'id_indicador' : true" data-ng-
change="carregarIndicador()" id="indicador">
                    <option value=""></option>
                </select>
            </div>

        </span>

        <span data-ng-show="estado!='listar'">
            <div class="elemento-cadastro">
                <label for="nome"> Nome do indicador </label>
                <br>
                <div class="descricao-cadastro"><small> Defina
o nome que o indicador terá </small></div>

                <input class="controle-cadastro" type="text"
style="max-width:100%;width:100%;" data-ng-model="indicadorAtivo.nome"
id="nome"></input>
            </div>

            <div class="elemento-cadastro">
                <label for="instrumento"> Nome do instrumento
            </label>
                <br>
                <div class="descricao-cadastro"><small> Selecione o
instrumento que o indicador pertencerá </small></div>

```

```

        <select class="controle-cadastro" style="max-
width:100%;" data-ng-options="instrumento.id_grupo_indicador as
instrumento.nome for instrumento in instrumentos | orderBy: 'nome'" data-
ng-model="indicadorAtivo.id_instrumento" id="instrumento">
        </select>
    </div>

    <div class="elemento-cadastro">
        <label for="ordem_instrumento"> Ordem no
instrumento </label>
        <br>
        <div class="descricao-cadastro"><small> Defina a
ordem que o indicador terá no instrumento</small></div>

        <input class="controle-cadastro" type="text"
style="max-width:50%;width:50%;" data-ng-
model="indicadorAtivo.ordem_instrumento" id="ordem_instrumento"></input>
    </div>

    <div class="elemento-cadastro">
        <label for="estrategia1"> Nome da primeira
estratégia </label>
        <br>
        <div class="descricao-cadastro"><small> Selecione a
estratégia que o indicador pertencerá </small></div>

        <select class="controle-cadastro" style="max-
width:100%;" data-ng-options="estrategia.id_grupo_indicador as estrategia.nome
for estrategia in estrategias | orderBy: 'nome' : true" data-ng-
model="indicadorAtivo.estrategias[0].id_grupo_indicador" id="estrategia1">
        </select>
    </div>

    <div class="elemento-cadastro">
        <label for="ordem_estrategia1"> Ordem na primeira
estratégia </label>
        <br>
        <div class="descricao-cadastro"><small> Defina a
ordem que o indicador terá na estratégia</small></div>

        <input class="controle-cadastro" type="text"
style="max-width:50%;width:50%;" data-ng-
model="indicadorAtivo.estrategias[0].ordem" id="ordem_estrategia1"></input>
    </div>

```

```

        <div class="elemento-cadastro">
            <label for="estrategia2"> Nome da segunda
            estratégia </label>
            <br>
            <div class="descricao-cadastro"><small> Selecione a
            segunda estratégia que o indicador pertencerá </small></div>

            <select class="controle-cadastro" style="max-
            width:100%;" data-ng-options="estrategia.id_grupo_indicador as estrategia.nome
            for estrategia in estrategias | orderBy: 'nome' : true" data-ng-
            model="indicadorAtivo.estrategias[1].id_grupo_indicador" id="estrategia2">
                </select>
            </div>

            <div class="elemento-cadastro">
                <label for="ordem_estrategia2"> Ordem na segunda
                estratégia </label>
                <br>
                <div class="descricao-cadastro"><small> Defina a
                ordem que o indicador terá na segunda estratégia</small></div>

                <input class="controle-cadastro" type="text"
                style="max-width:50%;width:50%;" data-ng-
                model="indicadorAtivo.estrategias[1].ordem" id="ordem_estrategia2"></input>
            </div>

            <div class="elemento-cadastro">
                <label for="apresentacao"> Descrição síntese
            </label>
                <br>
                <div class="descricao-cadastro"><small> Defina
                o texto de descrição sintética, que explica o nome do indicador. Sugestão:
                até 150 caracteres. </small></div>

                <textarea rows="5" style="max-
                width:100%;width:100%;" data-ng-model="indicadorAtivo.apresentacao"
                id="apresentacao"></textarea>
            </div>

            <div class="elemento-cadastro">
                <label for="nota_tecnica_resumida"> Descrição
                completa </label>
                <br>
                <div class="descricao-cadastro"><small> Defina
                o texto de descrição completa, que contém as principais informações para o
                cidadão entender o indicador. Sugestão: até 1000 caracteres. </small></div>

```

```

        <textarea rows="8" style="max-
width:100%;width:100%;" data-ng-model="indicadorAtivo.nota_tecnica_resumida"
id="nota_tecnica_resumida"></textarea>
    </div>

        <div class="elemento-cadastro">
            <label for="nota_tecnica"> Nota técnica </label>
            <br>
            <div class="descricao-cadastro"><small> Defina o
texto de nota técnica, que contêm as informações complementares para o
cidadão entender o indicador. Sugestão: até 1.000 caracteres. </small></div>

        <textarea rows="5" style="max-
width:100%;width:100%;" data-ng-model="indicadorAtivo.nota_tecnica"
id="nota_tecnica"></textarea>
    </div>

        <div class="elemento-cadastro">
            <label for="periodicidade"> Periodicidade </label>
            <br>
            <div class="descricao-cadastro"><small> Selecione
a periodicidade com que o indicador será atualizado. </small></div>

            <select class="controle-cadastro" data-ng-
model="indicadorAtivo.periodicidade" id="periodicidade">
                <option value="">Sem data</option>
                <option value="anual">Anual</option>
                <option
value="semestral">Semestral</option>
                <option
value="trimestral">Trimestral</option>
                <option
value="mensal">Mensal</option>
            </select>
        </div>

        <div class="elemento-cadastro">
            <label for="fonte"> Fontes </label>
            <br>
            <div class="descricao-cadastro"><small>Defina
as fontes que fornecem os dados utilizados no indicador. </small></div>

            <textarea rows="2" style="max-
width:100%;width:100%;" data-ng-model="indicadorAtivo.fonte"

```

```

        id="fonte">></textarea>
        </div>

        <div class="elemento-cadastro">
            <label for="territorio_padrao"> Unidade territorial
            de análise </label>
            <br>
            <div class="descricao-cadastro"><small> Seleione a
            unidade territorial de análise inicial que aparecerá quando o cidadão ver
            o indicador. </small></div>

            <select class="controle-cadastro" style="max-
            width:100%;" data-ng-options="territorio.id_territorio as territorio.nome
            for territorio in territorios | orderBy: 'id_territorio' : true" data-ng-
            model="indicadorAtivo.id_territorio_padrao" id="territorio_padrao">
            </select>
        </div>

        <div class="elemento-cadastro">
            <label for="metrica"> Métrica </label>
            <br>
            <div class="descricao-cadastro"><small> Defina
            a métrica do indicador. </small></div>

            <input type="text" class="controle-cadastro"
            style="max-width:100%;width:100%;" data-ng-model="indicadorAtivo.tipo_valor"
            id="metrica"></input>
        </div>

        <div class="elemento-cadastro">
            <label for="simbolo_valor"> Símbolo da métrica
            </label> <br>
            <div class="descricao-cadastro"><small> Defina
            o símbolo da métrica do indicador. </small></div>

            <input type="text" class="controle-cadastro"
            style="max-width:100%;width:100%;" data-ng-model="indicadorAtivo.simbolo_valor"
            id="simbolo_valor"></input>
        </div>

        <div class="container elemento-cadastro"
        style="background-color:#E5E5E5; border-color:#DDDDDD; border-width:1px; border-
        style:solid;">

```

```

        <label> Fórmula de cálculo </label>
        <br>
        <small> Selecione as variáveis necessárias para
composição do cálculo do indicador. Caso deixe o campo em branco a informação
não será considerada para o cálculo do indicador. </small>
        <br>
        <div data-ng-repeat="composicao in indicadorComposicao |
orderBy : 'ordem'">
            <div class="row">
                <div class="col-sm-8">
                    <label ng-attr-for="{'variavel-
'+$index}"/><small>Nome da variável</small></label>
                    </div>
                    <div class="col-sm-3">
                        <label ng-attr-for="{'operador-
'+$index}"/><small>Operação aritmética</small></label>
                    </div>
                    </div>
                    <div class="row">
                        <div class="col-sm-8">
                            <select class="controle-cadastro" ng-attr-
id="{{'variavel-' + $index}}" style="max-width:100%;" data-ng-
model="composicao.id_variavel" data-ng-options="variavel.id_variavel
as variavel.nome for variavel in variaveis | orderBy: 'nome'" data-ng-
change="carregar()" id="variavel">
                                <option value=""></option>
                            </select>
                        </div>
                        <div class="col-sm-3">
                            <select class="controle-cadastro" ng-attr-
id="{{'operador-' + $index}}" data-ng-model="composicao.operador">
                                <option value=""></option>
                                <option value="+>Soma (+)</option>
                                <option value="->Subtração (-)</option>
                                <option value="/">Divisão (/)</option>
                                <option value="*>Multiplicação (*)</option>
                            </select>
                        </div>
                        <div class="col-sm-1 pull-right">
                            <button class="btn-danger" ng-
click="deletarElemento($index)">-</button>
                        </div>
                    </div>
                </div>
            </div>
        </div>
    
```

```

        <input type="button" class="btn-primary" data-
ng-click="adicionarElemento()" value="Adicionar Variável"
style="margin-top:1em; margin-bottom:1em">
    </div>
    <div class="elemento-cadastro">
        <label for="ativo"> Ativação </label>
        <br>
        <input type="checkbox" data-ng-
model="indicadorAtivo.ativo" id="ativo" data-ng-
click="desabilitarHomologacao()"></input>
        <div style="display:inline-block" class="descricao-
cadastro"><small> Selecione se o indicador está ativo na plataforma
para visualização. </small></div>

    </div>

    <div class="elemento-cadastro">
        <label for="homologacao"> Homologação </label>
        <br>
        <input type="checkbox" data-ng-
model="indicadorAtivo.homologacao" id="homologacao" data-
ng-click="desabilitarAtivo()"></input>
        <div style="display:inline-block" class="descricao-
cadastro"><small> Selecione se o indicador está habilitado para
visualização somente dos administradores. </small></div>

    </div>

        <input type="button" class="btn-primary" data-ng-
show="estado!='inserir'" value="Atualizar" data-
ng-click="confirmarModal('Atualizar')">
            <input type="button" class="btn-primary" data-ng-
show="estado!='inserir'" value="Remover" data-ng-
click="confirmarModal('Remover')">
                <input type="button" class="btn-primary" data-ng-
show="estado!='inserir'" value="Calcular" data-ng-
click="confirmarModal('Calcular')">

        </span>

        <input type="button" class="btn-primary" data-ng-
show="estado!='inserir'" value="Novo indicador" data-ng-click="limparForm()">

        <input type="button" class="btn-primary" data-
ng-show="estado=='inserir'" value="Gravar" data-ng-

```

```

    click="confirmarModal('Inserir')">
        <input type="button" class="btn-primary" data-
        ng-show="estado=='inserir'" value="Voltar" data-ng-click="voltar()">
    </form>

<?php }else{ ?>
    <h4> Você não possui autorização para visualizar esse
conteúdo.</h4>
<?php } ?>

</div>

```

Cadastro_fonte_dados.php

```

<p
hp
/*
 * Template Name: Cadastro Fonte
Dados */
?>

<script type="text/javascript">
jQuery.noConflict();
var app = angular.module('monitoramentoPde',
['ngResource','ngAnimate','ui.bootstrap','angular.filter']);
app.factory('FonteDados',function($resource){
    return $resource('/wp-
json/monitoramento_pde/v1/fontes_dados/:id',{id:'@id_fonte_dados'},{
        update:{method:'PUT'
},
        get:{headers:{'X-WP-Nonce': '<?php
echo(wp_create_nonce('wp_rest')); ?>'}
},
        }
),

```

```

        query:{
            isArray:true,
            headers:{
                'X-WP-Nonce': '<?php
echo(wp_create_nonce('wp_rest')); ?>'
            }
        });
    });

app.factory('FonteDadosCarregar',function($resource){
    return $resource('/wp-
json/monitoramento_pde/v1/fontes_dados/carregar/:id',{id:'@id_fonte_dados'},{
        update:{
            method:'POST',
            transformRequest:
                function(data) {
                    if (data === undefined)
                        return data;
                    var fd = new FormData();
                    angular.forEach(data, function(value, key)
{
                        if (value instanceof FileList) {
                            if (value.length == 1) {
                                fd.append(key,
value[0]);
                            } else {
                                angular.forEach(value,
function(file, index) {
                                    fd.append(key +
'_' + index, file);
                                });
                            }
                        } else {
                            if(value instanceof File){
                                fd.append('arquivo',
value);
                            }else if(value instanceof
Array){
                                fd.append('arquivo', value[0]);
                            }else
}
                }
            }
        }
    });
}

```

```

        });

        return fd;

    },
    headers:{
        'X-WP-Nonce': '<?php
echo(wp_create_nonce('wp_rest')); ?>' ,
        'Content-type': undefined
    }
}
});

app.factory('Usuarios',function($resource){
    return $resource('/wp-json/wp/v2/users');
});
app.factory('Territorios',function($resource){
    return $resource('/wp-json/monitoramento_pde/v1/territorios');
});
app.factory('FonteDadosColuna',function($resource){
    return $resource('/wp-
json/monitoramento_pde/v1/fonte_dados_coluna/:id',{id:'@id_fonte_dados'},{
        update:{
            method:'PUT'
        }
    });
});
app.controller("cadastroFonteDados", function($scope, $rootScope, $http,
$filter, $uibModal, FonteDados, Usuarios, FonteDadosCarregar,
Territorios, FonteDadosColuna) {
    $scope.lerArquivos = function(element) {

        $scope.$apply(function($scope) {
            // Turn the FileList object into an
            Array $scope.arquivos = [];
            for (var i = 0; i < element.files.length; i++)
                { $scope.arquivos.push(element.files[i])
            }
        });
    };
    $scope.inicializarDatepicker = {
        datepickerMode: 'month',
        minMode:'month'
    }

    $scope.apiNonce = '<?php echo(wp_create_nonce('wp_rest')); ?>';

```

```

    Usuarios.query(function(usuarios) {
        $rootScope.usuarios = usuarios;
    });

    Territorios.query(function(territorios){
        $scope.territorios = territorios;
    });

    FonteDados.query(function(fontesDados) {
        $rootScope.fontesDados = fontesDados;
    });

    $scope.estado = "listar";
    $rootScope.carregandoArquivo = false;
    $scope.tipoArquivo = [
        {
            nome: 'Excel (.xls)',
            id: 1
        },
        {
            nome: 'Excel (.xlsx)',
            id:2
        },
        {
            nome: 'CSV (.csv)',
            id:3
        }
    ];

    $scope.carregar = function(){
        $scope.itemAtual = $rootScope.fontesDados.filter((fonteDados)
=> fonteDados.id_fonte_dados == $scope.idItemAtual)[0];
        if($scope.itemAtual != null){
            if($scope.itemAtual.data_atualizacao != null)
                $scope.itemAtual.data_atualizacao = new
Date($scope.itemAtual.data_atualizacao);

            if($scope.itemAtual.data_inicial != null)
                $scope.itemAtual.data_inicial = new
Date($scope.itemAtual.data_inicial);
            if($scope.itemAtual.data_final != null)
                $scope.itemAtual.data_final = new
Date($scope.itemAtual.data_final);

            if($scope.itemAtual != null){
                if($scope.itemAtual.data_inicial != null)
                    $scope.checkDataInicial = true;
            }
        }
    };
}

```

```

        if($scope.itemAtual.data_final != null)
            $scope.checkDataFinal = true;

        if($scope.itemAtual.data_atualizacao != null)
            $scope.checkDataAtualizacao = true;
    }

    FonteDadosColuna.query({id:$scope.itemAtual.id_fonte_dados},function(colunas){
        $scope.colunas = colunas;
        $scope.estado = "selecionar";
    });
} else{
    $scope.colunas = null;
}

};

$scope.confirmarModal = function(acao){
    $rootScope.modalConfirmacao = $uibModal.open({
        animation: true,
        ariaLabelledBy: 'modal-titulo-fonte-dados',
        ariaDescribedBy: 'modal-corpo-fonte-dados',
        templateUrl: 'ModalConfirmacao.html',
        controller: 'cadastroFonteDados',
        scope:$scope,
        size: 'md',
    });
    $scope.acao = acao;
};

$scope.inserirForm = function(){
    $scope.idItemAtual = null;
    $scope.carregar();
    $scope.estado = "inserir";
};

$scope.atualizar = function(){
    $rootScope.itemAtual = $scope.itemAtual;

    FonteDadosColuna.update({colunas:$scope.colunas,id_fonte_dados:$scope.itemAtual.id_fonte_dados}).$promise.then(
        function(mensagem){

FonteDados.update({fonte_dados:$rootScope.itemAtual}).$promise.then(

```

```

        function(mensagem){
            alert('A fonte de dados foi
atualizada com sucesso.');

        FonteDados.query(function(fontesDados) {
            $rootScope.fontesDados =
fontesDados;
        });
    },
    function(erro){
        alert('Ocorreu um erro ao atualizar
a fonte de dados. Mensagem de erro:\n\n' + erro.data);
    }
);
},
function(erro){
    alert('Ocorreu um erro ao atualizar as colunas da
fonte de dados. Mensagem de erro:\n\n' + erro.data);
}
);
};

$scope.remover = function(){

    FonteDadosColuna.remove({id:$scope.itemAtual.id_fonte_dados}).$promise.t
hen(
    function(mensagem){

        FonteDados.remove({id:$scope.itemAtual.id_fonte_dados}).$promise.then(
            function(mensagem){
                alert('A fonte de dados foi removida
com sucesso.');
            }
        );
    },
    function(erro){
        alert('Ocorreu um erro ao remover a
fonte de dados. Mensagem de erro:\n\n' + erro.data);
    }
);
},
function(erro){
    alert('Ocorreu um erro ao remover as colunas da

```

```

        fonte de dados. Mensagem de erro:\n\n' + erro.data);
    }
);

$scope.$parent.idItemAtual = null;
$scope.$parent.estado = "listar";
};

$scope.carregarArquivo = function(){
    if(!$rootScope.carregandoArquivo){
        $rootScope.carregandoArquivo = true;
        $rootScope.mensagemArquivo = 'Aguarde... Realizando
Carga';
    }

FonteDadosCarregar.update({id_fonte_dados:$scope.itemAtual.id_fonte_dado
s,arquivos:$scope.arquivos}).$promise.then(
    function(mensagem){
        alert('A fonte de dados foi carregada com
sucesso.');
        $rootScope.carregandoArquivo = false;
        $rootScope.mensagemArquivo = '';
    },
    function(erro){
        alert('Ocorreu um erro ao atualizar a fonte
de dados. Mensagem de erro:\n\n' + erro.data);
        $rootScope.carregandoArquivo = false;
        $rootScope.mensagemArquivo = '';
    }
);
}else{
    alert('Uma carga de fonte de dados já está
acontecendo, espere ela acabar para iniciar outra');
};

}

$scope.inserir = function(){
    FonteDados.save({fonte_dados:$scope.itemAtual}).$promise.then(
        function(mensagem){
            alert('A fonte de dados foi inserida com
sucesso.');
            FontesDados.query(function(fontesDados) {
                $rootScope.fontesDados = fontesDados;
            });
        },
        function(erro){

```

```

                alert('Ocorreu um erro ao remover a fonte de dados.
Mensagem de erro:\n\n' + erro.data);
            }
        );
        $scope.$parent.estado = "listar";
        $scope.carregar();
    };
    $scope.voltar = function(){
        $scope.estado = "listar";
    };
    $scope.fecharModal = function(){
        $rootScope.modalConfirmacao.close();
    };
    $scope.changeDataInicial = function(){
        if(!$scope.checkDataInicial)
            $scope.itemAtual.data_inicial = null;
    }

    $scope.changeDataAtualizacao = function(){
        if(!$scope.checkDataAtualizacao)
            $scope.itemAtual.data_atualizacao = null;
    }

    $scope.changeDataFinal = function(){
        if(!$scope.checkDataFinal)
            $scope.itemAtual.data_final = null;
    }

    $scope.submeter = function(){
        if($scope.acao == 'Atualizar')
            $scope.atualizar();
        else
            if($scope.acao == 'Remover')
                $scope.remover();
            else
                if($scope.acao == 'Inserir')
                    $scope.inserir();
                else
                    if($scope.acao == 'Carregar')
                        $scope.carregarArquivo();

        $rootScope.modalConfirmacao.close();
    };

    $scope.adicionarElementoColuna = function(){
        if($scope.colunas == null){

```

```

        $scope.colunas = [];
    }

    $scope.colunas.push({});

;

$scope.adicionarElementoColunaExclusao = function(){
    if($scope.itemAtual.colunas_exclusao == null){
        $scope.itemAtual.colunas_exclusao = [];
    }
    $scope.itemAtual.colunas_exclusao.push(null);

};

$scope.deletarElementoColuna = function(indice){
    $scope.colunas.splice(indice,1);
};

$scope.deletarElementoColunaExclusao = function(indice){
    $scope.itemAtual.colunas_exclusao.splice(indice,1);
};

function Workbook() {
    if(!(this instanceof Workbook)) return new Workbook();
    this.SheetNames = [];
    this.Sheets = {};
}

function criarCelula(c, r, val){
    var cell = {v: val };

    if(cell.v == null) cell.v = '';

    if(typeof cell.v === 'number') cell.t = 'n';
    else if(typeof cell.v === 'boolean') cell.t = 'b';
    else if(cell.v instanceof Date) {
        cell.t = 'n'; cell.z = XLSX.SSF._table[14];
        cell.v = datenum(cell.v);
    }
    else cell.t = 's';

    return cell;
}

function s2ab(s) {
    var buf = new ArrayBuffer(s.length);

```

```

        var view = new Uint8Array(buf);
        for (var i=0; i!=s.length; ++i) view[i] = s.charCodeAt(i) &
0xFF; return buf;
    }

$scope.exportarFontesDados = function(){

    var wb = new Workbook();

    var wsFontesDados = {};

        //criando cabeçalho
        wsFontesDados[XLSX.utils.encode_cell({c:0 ,r:0})]
= criarCelula(0 ,0,'ID');
        wsFontesDados[XLSX.utils.encode_cell({c:1 ,r:0})]
= criarCelula(1 ,0,'Nome');
        wsFontesDados[XLSX.utils.encode_cell({c:2 ,r:0})]
= criarCelula(2 ,0,'Usuário Mantenedor');
        wsFontesDados[XLSX.utils.encode_cell({c:3 ,r:0})]
= criarCelula(3 ,0,'Nome da tabela');
        wsFontesDados[XLSX.utils.encode_cell({c:4 ,r:0})]
= criarCelula(4 ,0,'Linha de cabeçalho');
        wsFontesDados[XLSX.utils.encode_cell({c:5 ,r:0})]
= criarCelula(5 ,0,'Disponível para exportação');
        wsFontesDados[XLSX.utils.encode_cell({c:6 ,r:0})]
= criarCelula(6 ,0,'Data atualização');

    linha = 1;

angular.forEach($rootScope.fontesDados,function(fonteDados,chave){

    console.log(fonteDados);

    coluna = 0, //linha = 0;

    wsFontesDados[XLSX.utils.encode_cell({c:coluna,r:linha})]
= criarCelula(coluna,linha,fonteDados.id_fonte_dados);
    coluna++;

    wsFontesDados[XLSX.utils.encode_cell({c:coluna,r:linha})]
= criarCelula(coluna,linha,fonteDados.nome);
    coluna++;
    var usuario = $scope.usuarios.filter((usuario) =>
usuario.id == fonteDados.id_usuario_mantenedor[0]; if(usuario){

```

```

        wsFontesDados[XLSX.utils.encode_cell({c:coluna,r:linha})]
= criarCelula(coluna,linha,usuario.name);
        }
        coluna++;

        wsFontesDados[XLSX.utils.encode_cell({c:coluna,r:linha})]
= criarCelula(coluna,linha,fonteDados.nome_tabela);
        coluna++;

        wsFontesDados[XLSX.utils.encode_cell({c:coluna,r:linha})]
= criarCelula(coluna,linha,fonteDados.linha_cabecalho);
        coluna++;

        wsFontesDados[XLSX.utils.encode_cell({c:coluna,r:linha})] =
criarCelula(coluna,linha,(fonteDados.ativa==true)?'X':null );
        coluna++;

        wsFontesDados[XLSX.utils.encode_cell({c:coluna,r:linha})] =
criarCelula(coluna,linha,$filter('date')(fonteDados.data_atualizacao ,
'MMMM yyyy') );
        coluna++;

        linha++;

    });

    var range = {s: {c:0, r:0}, e: {c:22, r: linha}};
    wsFontesDados['!ref'] = XLSX.utils.encode_range(range);

    /* add worksheet to workbook */
    wb.SheetNames.push('Variaveis');
    wb.Sheets['Variaveis'] = wsFontesDados;

    var wbout = XLSX.write(wb, {bookType:'xlsx',
bookSST:false, type: 'binary'});

    saveAs(new
Blob([s2ab(wbout)],{type:"application/octet-stream"}), "fontes_dados.xlsx");
}

});
</script>

```

```
<?php get_template_part('templates/page', 'header'); ?>

<div class="content-page container text-justify" data-ng-app="monitoramentoPde"
data-ng-controller="cadastroFonteDados">

<script type="text/ng-template" id="ModalConfirmacao.html">

<div class="modal-instrumento">
    <div class="modal-header">
        <h3 class="modal-title" id="modal-titulo-fonte-dados"> {{acao}} Fonte
de dados <button class="btn btn-danger pull-right" type="button" ng-
click="fecharModal()">X</button></h3>
    </div>
    <div class="modal-body" id="modal-corpo-fonte-dados">
        Você irá {{acao.toLowerCase()}} a fonte de
dados {{itemAtual.nome}}. <br><br> Confirme sua ação.
    </div>
    <div class="modal-footer">
        <button class="btn btn-danger" type="button" ng-
click="fecharModal()"> Abortar</button>
        <button class="btn btn-success" type="button" ng-
click="submeter()"> Confirmar</button>
    </div>
</div>
</script>

<?php the_content(); ?>
<?php
    $autorizado = false;

    if(is_user_logged_in()){
        $usuario = wp_get_current_user();
        $role = '';
        foreach($usuario->roles as $role) {
            if(strtowlower($role) == 'mantenedor' &&
$role != 'administrator'){
                $role = 'mantenedor';
            }
        }
    }
    if($autorizado == false){
        header('Location: '.get_permalink());
        exit();
    }
?>
```

```

        $autorizado = true;
    }else
        if(strtolower($role) ==
'administrator'){
            $role = 'administrator';
            $autorizado = true;
        }
    }
}else
$autorizado = false;

if($autorizado){

?>

<form>

    <button class="btn-primary" type="button" ng-
click="exportarFontesDados()"> Exportar relação de fontes de dados </button>

    <p data-ng-show="estado!='inserir'">
        <label for="fonte_dados"> Fonte de dados </label>
        <br>
        <select style="max-width:100%;" data-ng-
model="idItemAtual" data-ng-options="fonteDados.id_fonte_dados as
fonteDados.nome for fonteDados in fontesDados | orderBy: 'nome'" data-
ng-change="carregar()" name="fonte_dados"></select>
    </p>

    <span data-ng-show="estado!='listar'">

        <?php if($role == 'administrator'){ ?>
        <p>

            <label for="nome"> Nome </label>
            <br>
            <input type="text" style="max-
width:100%;width:100%;" data-ng-model="itemAtual.nome" name="nome"></input>

        </p>
        <p>
            <label for="usuario"> Usuário mantenedor </label>
            <br>

```

```

                <select style="max-width:100%;" data-ng-
model="itemAtual.id_usuario_mantenedor" data-ng-options="usuario.id
as usuario.name for usuario in usuarios | orderBy: 'name' : true"
name="usuario"></select>
            </p>

            <!--<p>
                <label for="delimitador"> Delimitador </label>
                <br>
                <input type="text" style="max-
width:100%;width:100%;" data-ng-model="itemAtual.delimitador"
name="delimitador"></input>
            </p>-->
            <!--
            <p>
                <label for="diretorio"> Diretorio </label>
                <br>
                <input type="text" style="max-
width:100%;width:100%;" data-ng-model="itemAtual.diretorio"
name="diretorio"></input>
            </p>
            <p>
                <label for="diretorio"> Formato de arquivo
                </label> <br>
                <input type="text" style="max-
width:100%;width:100%;" data-ng-model="itemAtual.formato_arquivo"
name="formato_arquivo"></input>
            </p>
            -->
            <p>
                <label for="nome_tabela"> Nome da tabela </label>
                <br>
                <input type="text" style="max-
width:100%;width:100%;" data-ng-model="itemAtual.nome_tabela"
name="nome_tabela"></input>
            </p>

            <p>
                <label for="linha_cabecalho"> Linha de cabeçalho
            </label>
                <br>
                <input type="text" style="max-
width:100%;width:100%;" data-ng-model="itemAtual.linha_cabecalho"
name="linha_cabecalho"></input>
            </p>

```

```

        <p>
            <input type="checkbox" data-ng-
model="itemAtual.ativa" id="ativo">
            <label for="ativo"> Disponível para exportação
        </label>

    </p>
    <div class="row">
        <div class="col-md-6">
            <input type="checkbox" data-ng-
model="checkDataAtualizacao" data-ng-change="changeDataAtualizacao()">
            <label for="data_atualizacao"> Data Atualização
        </label>

        <br>
        <div uib-datepicker datepicker-
options="inicializarDatepicker" data-ng-model="itemAtual.data_atualizacao"
data-ng-show="checkDataAtualizacao" name="data_atualizacao"></div>
        </div>
        </div>
        <!--<div class="row">

            <div class="col-md-6">
                <label for="data_inicial"> Data Inicial </label>
                <input type="checkbox" data-ng-
model="checkDataInicial" data-ng-change="changeDataInicial()">
                <br>
                <div uib-datepicker datepicker-
options="inicializarDatepicker" data-ng-model="itemAtual.data_inicial" data-ng-
show="checkDataInicial" name="data_inicial"></div>
            </div>

            <div class="col-md-6">
                <label for="data_inicial"> Data Final </label>
                <input type="checkbox" data-ng-
model="checkDataFinal" data-ng-change="changeDataFinal()">
                <br>
                <div uib-datepicker datepicker-
options="inicializarDatepicker" data-ng-model="itemAtual.data_final" data-ng-
show="checkDataFinal" name="data_final"></div>
            </div>

        </div>-->

        <label for="script"> Script SQL </label>
        <textarea rows="5" style="max-

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width:100%;width:100%;" data-ng-model="itemAtual.script_sql"
name="script">></textarea>



<label> Colunas da fonte dados </label>
<div><small> Cadastre as colunas de território e data da
fonte de dados. Caso deixe o campo em branco a informação não será
considerada para a composição da variável </small></div>
<div data-ng-repeat="coluna in colunas | orderBy :
'ordem'">
<div class="row">
<div class="col-sm-2"> <label ng-attr-
for="{{'tipo-'+$index}}><small> Selecione o tipo da coluna </small> </label>
</div>
<div class="col-sm-3" ng-if="coluna.tipo">
<label ng-attr-for="{{'nome-'+$index}}><small> Escolha a
coluna </small></label></div>
<div class="col-sm-4" ng-if="coluna.tipo
=='data'"> <label ng-attr-for="{{'formato-'+$index}}><small> Formato de
data </small></label></div>
<div class="col-sm-3" ng-if="coluna.tipo
=='territorio'"> <label ng-attr-for="{{'id_territorio-
+$index}}><small> Territorio </small></label></div>
<div class="col-sm-3" ng-if="coluna.tipo
=='territorio'"> <label ng-attr-for="{{'tipo_territorio-
+$index}}><small> Tipo de territorio </small></label></div>
</div>
<div class="row">
<div class="col-sm-2">
<select class="controle-cadastro" data-ng-
model="coluna.tipo" ng-attr-id="{{'tipo-'+$index}}>
<option value=""></option>
<option value="data">Data</option>
<option
value="territorio">Territorio</option>
<option value="inteiro">Número</option>
</select>
</div>
<div class="col-sm-3" ng-if="coluna.tipo">
<select class="controle-cadastro" style="max-
width:100%;" data-ng-options="coluna_base as coluna_base for coluna_base in
itemAtual.colunas" data-ng-model="coluna.nome" ng-attr-id="{{'nome-'+$index}}>


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                <option value=""></option>
            </select>
        </div>

        <div class="col-sm-4" ng-if="coluna.tipo
          =='data'"> <input class="controle-cadastro"
type="text" style="max-width:100%;width:100%;" data-ng-model="coluna.formato"
ng-attr-id="{{'formato-'+$index}}></input>
        </div>
        <div class="col-sm-3" ng-if="coluna.tipo
          =='territorio'">
            <select class="controle-cadastro" style="max-
width:100%;" data-ng-options="territorio.id_territorio as territorio.nome
for territorio in territorios" data-ng-model="coluna.id_territorio" ng-attr-
id="{{'id_territorio-'+$index}}>
                <option value=""></option>
            </select>
        </div>
        <div class="col-sm-3" ng-if="coluna.tipo
          =='territorio'">
            <input class="controle-cadastro"
type="text" style="max-width:100%;width:100%;" data-ng-
model="coluna.tipo_territorio" ng-attr-id="{{'tipo_territorio-'+$index}}>
        </input>
        </div>
        <div class="col-sm-1 pull-right"> <button ng-
click="deletarElementoColuna($index)">-</button>
        </div>

        </div>
        </div>
        <button type="button" style="margin-top:1em;margin-
bottom:1em" data-ng-click="adicionarElementoColuna()">Adicionar Filtro</button>
        </div>

        <div class="container elemento-cadastro"
style="background-color:#E5E5E5;border-color:#DDDDDD; border-width:1px; border-
style:solid;">
            <label> Excluir colunas da exportação de dados </label>
            <div><small> Escolha as colunas que não devem ser
exibidas na exportação da fonte de dados </small></div>
            <div data-ng-repeat="coluna_exclusao in
itemAtual.colunas_exclusao track by $index">
                <div class="row">
                    <div class="col-sm-11"> <label ng-attr-

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for="{{'coluna_exclusao-'+$index}}"><small>Selecione a coluna </small>
</label> </div>
</div>
<div class="row">

    <div class="col-sm-6">
        <select class="controle-cadastro"
style="width:100%;" data-ng-options="coluna_base as coluna_base for coluna_base in
itemAtual.colunas" data-ng-model="itemAtual.colunas_exclusao[$index]" ng-attr-
id="{{'coluna_exclusao-'+$index}}">
            <option value=""></option>
        </select>
    </div>

    <div class="col-sm-1"> <button ng-
click="deletarElementoColunaExclusao($index)">-
        </button> </div>

    </div>
    </div>
    <button type="button" style="margin-top:1em;margin-
bottom:1em" data-ng-click="adicionarElementoColunaExclusao()">Adicionar
coluna a ser excluída</button>
</div>

<input type="submit" data-ng-show="estado!='inserir'" value="Atualizar" data-ng-click="confirmarModal('Atualizar')">
<input type="submit" data-ng-show="estado!='inserir'" value="Remover" data-ng-click="confirmarModal('Remover')">

<?php } ?>

<p>
    <label for="arquivo"> Selecione o arquivo </label>
    <br>
    <input type="file" style="max-
width:100%;width:100%;" data-ng-model-instant id="arquivos" name="arquivos"
onchange="angular.element(this).scope().lerArquivos(this)">

</p>

```

```

                <input type="submit" data-ng-show="estado!='inserir'"
value="Carregar Arquivo" data-ng-click="confirmarModal('Carregar')">
            </span>
            <?php if($role == 'administrator'){ ?>
                <input data-ng-show="estado!='inserir'" type="submit"
value="Nova Fonte de dados" data-ng-click="inserirForm()">

                <br>
                <!--<div class="alert alert-info"
ng-show="carregandoArquivo">{{mensagemArquivo}}</div>-->

                <input data-ng-show="estado=='inserir'" type="submit"
value="Gravar" data-ng-click="confirmarModal('Inserir')">
                <input data-ng-show="estado=='inserir'" type="submit"
value="Voltar" data-ng-click="voltar()">
            <?php }?>

        </form>

<?php }else{ ?>
            <h4> Você não possui autorização para visualizar esse
conteúdo.</h4>
<?php } ?>

        </div>

```

Acoes_prioritarias.php

```

<?php
/**
 * Template Name: Ações
prioritárias */
?>

<?php while (have_posts()): the_post(); ?>
    <?php get_template_part('templates/page', 'header'); ?>
    <?php get_template_part('templates/content', 'acoes-prioritarias');
?> <?php endwhile; ?>

```

Setup.php

```

<?php
namespace Roots\Sage\Setup;

```

```

use Roots\Sage\Assets;
/**
 * Theme setup
 */
function setup() {
    // Enable features from Soil when plugin is activated
    // https://roots.io/plugins/soil/
    /*add_theme_support('soil-clean-up');
    add_theme_support('soil-nav-walker');
    add_theme_support('soil-nice-search');
    add_theme_support('soil-jquery-cdn');
    add_theme_support('soil-relative-urls');*/
    // Make theme available for translation
    // Community translations can be found at
    https://github.com/roots/sage-translations
    load_theme_textdomain('sage', get_template_directory() . '/lang');
    // Enable plugins to manage the document title
    //
    http://codex.wordpress.org/Function_Reference/add_theme_support#Title_Tag
    add_theme_support('title-tag');
    // Register wp_nav_menu() menus
    // http://codex.wordpress.org/Function_Reference/register_nav_menus
    register_nav_menus([
        'secoes' => __('Navegação por seções', 'sage'),
        'formas' => __('Formas de visualização de indicadores', 'sage')
    ]);
    // Enable post thumbnails
    // http://codex.wordpress.org/Post_Thumbnails
    // http://codex.wordpress.org/Function_Reference/set_post_thumbnail_size
    // http://codex.wordpress.org/Function_Reference/add_image_size
    add_theme_support('post-thumbnails');
    // Enable post formats
    // http://codex.wordpress.org/Post_Formats
    add_theme_support('post-formats', ['aside', 'gallery', 'link',
        'image', 'quote', 'video', 'audio']);
    // Enable HTML5 markup support
    // http://codex.wordpress.org/Function_Reference/add_theme_support#HTML5
    add_theme_support('html5', ['caption', 'comment-form', 'comment-list',
        'gallery', 'search-form']);
    // Use main stylesheet for visual editor
    // To add custom styles edit /assets/styles/layouts/_tinymce.scss
    add_editor_style(Assets\asset_path('styles/main.css'));

    global $ApiConfig;
    $ApiConfig = array(
        'application' => 'monitoramento_pde',

```

```

        'version' => '1'
    );
global $DbConfig;
$DbConfig = array(
    'host'      => '10.20.4.3',
    'port'      => '5432',
    'user'      => 'smdu',
    'dbname'    => 'MonitoramentoPDE',
    'password'  => 'O&6z1fbN'
);

}

add_action('after_setup_theme', __NAMESPACE__ .
'\\setup'); /**
 * Register sidebars
 */
function widgets_init() {
register_sidebar([
    'name'          => __('Primary', 'sage'),
    'id'            => 'sidebar-primary',
    'before_widget' => '<section class="widget %1$s %2$s">',
    'after_widget'  => '</section>',
    'before_title'  => '<h3>',
    'after_title'   => '</h3>'
]);
register_sidebar([
    'name'          => __('Footer', 'sage'),
    'id'            => 'sidebar-footer',
    'before_widget' => '<section class="widget %1$s %2$s">',
    'after_widget'  => '</section>',
    'before_title'  => '<h3>',
    'after_title'   => '</h3>'
]);
}
add_action('widgets_init', __NAMESPACE__ .
'\\widgets_init'); /**
 * Determine which pages should NOT display the
 sidebar */
function display_sidebar() {
static $display;
if($display) || $display = !in_array(true, [
// The sidebar will NOT be displayed if ANY of the following return true.
// @link https://codex.wordpress.org/Conditional_Tags
is_404(),
is_front_page(),
is_page_template('template-custom.php'),

```

```

]);
    return apply_filters('sage/display_sidebar', $display);
}
/** 
 * Theme
 assets */
function assets() {
    wp_enqueue_style('sage/css', Assets\asset_path('styles/main.css'),
false, null);
    if (is_single() && comments_open() && get_option('thread_comments'))
        { wp_enqueue_script('comment-reply');
    }
    wp_enqueue_script('sage/js',
Assets\asset_path('scripts/main.js'), ['jquery'], null, true);

    wp_enqueue_script( 'highcharts', get_template_directory_uri() .
'/js/Highcharts-4.2.5/js/highcharts.js', false );
        wp_enqueue_script( 'highcharts_exporting',
get_template_directory_uri() . '/js/Highcharts-
4.2.5/js/modules/exporting.js', false );
        wp_enqueue_script( 'highcharts_offline_exporting',
get_template_directory_uri() . '/js/Highcharts-4.2.5/js/modules/offline-
exporting.js', false );
    wp_enqueue_script( 'highcharts_more', get_template_directory_uri() .
'/js/Highcharts-4.2.5/js/highcharts-more.js', false );
    wp_enqueue_script( 'angular', get_template_directory_uri() . '/js/angular-
1.5.8/angular.min.js', false );
        wp_enqueue_script( 'angular_resource', get_template_directory_uri() .
'/js/angular-1.5.8/angular-resource.min.js', false );
        wp_enqueue_script( 'angular_sanitize', get_template_directory_uri() .
'/js/angular-1.5.8/angular-sanitize.min.js', false );
        wp_enqueue_script( 'angular_animate', get_template_directory_uri() .
'/js/angular-1.5.8/angular-animate.min.js', false );
    wp_enqueue_script( 'angular_touch', get_template_directory_uri() .
'/js/angular-1.5.8/angular-touch.min.js', false );
    wp_enqueue_script( 'angular_ptbr', get_template_directory_uri() .
'/js/angular-1.5.8/angular-locale_pt-br.js', false );
    wp_enqueue_script( 'open_layers', get_template_directory_uri() .
'/js/OpenLayers-3.17.1/build/ol.js', false );
    wp_enqueue_script( 'angularui-bootstrap', get_template_directory_uri() .
'/js/angularui_bootstrap-2.0.2/ui-bootstrap-tpls-2.0.2.min.js', false );
    wp_enqueue_script( 'bootstrap-js', get_template_directory_uri() .
'/js/Bootstrap-3.3.7/bootstrap.min.js', false );
    wp_enqueue_script( 'angular-filter', get_template_directory_uri() .
'/js/angular-filter.js', false );
        wp_enqueue_script( 'angular-route', get_template_directory_uri() .

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```

'./js/angular-route.js',false );
        wp_enqueue_script( 'blob', get_template_directory_uri() .
'./js/js-xlsx/Blob.js',false );
        wp_enqueue_script( 'file_saver', get_template_directory_uri() .
'./js/js-xlsx/FileSaver.js',false );
        wp_enqueue_script( 'jszip', get_template_directory_uri() .
'./js/js-xlsx/jszip.js',false );
        wp_enqueue_script( 'js-xlsx', get_template_directory_uri() .
'./js/js-xlsx/xlsx.js',false );
        wp_enqueue_script( 'cpexcel', get_template_directory_uri() .
'./js/js-xlsx/cpexcel.js',false );

        wp_enqueue_style( 'open_layers', get_template_directory_uri() .
'./css/ol.css' );
        wp_enqueue_style( 'font-awesome', get_template_directory_uri() .
'./css/font-awesome.min.css' );
        wp_enqueue_style( 'bootstrap', get_template_directory_uri() .
'./css/bootstrap-3.3.7/css/bootstrap.min.css' );
        wp_enqueue_style( 'monitoramento_pde', get_template_directory_uri() .
'./style.css' );
    }
add_action('wp_enqueue_scripts', __NAMESPACE__ . '\\assets', 100);

```

Api.php

```

<
?
p
h
p
//namespace MonitoramentoPde\API;
use Roots\Sage\Setup;
/**
 * Retorna os dados calculados dos indicadores
*
* @param array $data Options for the function.
* @return string|null Post title for the latest, * or null if none.
*/
//TODO: criar tela de admin para essas configurações
add_action( 'rest_api_init', function () {
    global $ApiConfig;
    register_rest_route(
$ApiConfig['application'].'/v'.$ApiConfig['version'],
'/indicador/valores/(?P<indicador>\d+)', array(
        'methods' => WP_REST_Server::READABLE,

```

```

        'callback' => 'indicador_dados'
    ) );
} );

add_action( 'rest_api_init', function () {
    global $ApiConfig;
    register_rest_route(
$ApiConfig['application'].'/v'.$ApiConfig['version'],
'/ficha_tecnica_instrumento/(?P<instrumento>\d+)', array(
        'methods' => WP_REST_Server::READABLE,
        'callback' => 'ficha_tecnica_instrumento'
    ) );
} );
add_action( 'rest_api_init', function () {
    global $ApiConfig;
    register_rest_route(
$ApiConfig['application'].'/v'.$ApiConfig['version'], '/instrumentos',
array( 'methods' => WP_REST_Server::READABLE,
        'callback' => 'instrumentos'
    ) );
} );
add_action( 'rest_api_init', function () {
    global $ApiConfig;
    register_rest_route(
$ApiConfig['application'].'/v'.$ApiConfig['version'], '/territorios',
array( 'methods' => WP_REST_Server::READABLE,
        'callback' => 'territorios'
    ) );
} );
add_action( 'rest_api_init', function () {
    global $ApiConfig;
    register_rest_route(
$ApiConfig['application'].'/v'.$ApiConfig['version'],
'/indicador/memoria/(?P<indicador>\d+)', array(
        'methods' => WP_REST_Server::READABLE,
        'callback' => 'indicador_memoria'
    ) );
} );

add_action( 'rest_api_init', function () {
    { global $ApiConfig;
    register_rest_route(
$ApiConfig['application'].'/v'.$ApiConfig['version'],
'/indicador/fusao/(?P<id_indicador>\d+)', array(
        'methods' => WP_REST_Server::READABLE,
        'callback' => 'indicador_fusao'

```

```

        ) );
    } );
    add_action( 'rest_api_init', function () {
        global $ApiConfig;
        register_rest_route(
            $ApiConfig[ 'application' ].'/v'.$ApiConfig[ 'version' ],
            '/dado_aberto/(?P<fonte_dados>\d+)', array(
                'methods' => WP_REST_Server::READABLE,
                'callback' => 'dado_aberto'
            ) );
    } );
    add_action( 'rest_api_init', function () {
        global $ApiConfig;
        register_rest_route(
            $ApiConfig[ 'application' ].'/v'.$ApiConfig[ 'version' ], '/indicador/fusao',
            array( 'methods' => WP_REST_Server::READABLE,
                'callback' => 'indicador_fusao'
            ) );
    } );
}

add_action( 'rest_api_init', function () {
    global $ApiConfig;
    register_rest_route(
        $ApiConfig[ 'application' ].'/v'.$ApiConfig[ 'version' ],
        '/indicador/fusao/(?P<id_indicador>\d+)', array(
            'methods' => 'POST',
            'callback' => 'atualizar_indicador_fusao'
        ) );
} );
add_action( 'rest_api_init', function () {
    global $ApiConfig;
    register_rest_route(
        $ApiConfig[ 'application' ].'/v'.$ApiConfig[ 'version' ],
        '/indicador/fusao/(?P<id_indicador>\d+)', array(
            'methods' => 'PUT',
            'callback' => 'atualizar_indicador_fusao'
        ) );
} );
add_action( 'rest_api_init', function () {
    global $ApiConfig;
    register_rest_route(
        $ApiConfig[ 'application' ].'/v'.$ApiConfig[ 'version' ],
        '/indicador/fusao/(?P<id>\d+)', array(
            'methods' => WP_REST_Server::DELETABLE,
            'callback' => 'deletar_indicador_fusao'
        ) );
}

```

```

} );

add_action( 'rest_api_init', function () {
    global $ApiConfig;
    register_rest_route(
        $ApiConfig['application'].'/v' . $ApiConfig['version'],
        '/indicador/historico/(?P<indicador>\d+)', array(
            'methods' => WP_REST_Server::READABLE,
            'callback' => 'indicador_historico'
        ) );
} );

add_action( 'rest_api_init', function () {
    { global $ApiConfig;
    register_rest_route(
        $ApiConfig['application'].'/v' . $ApiConfig['version'],
        '/variavel/historico/(?P<indicador>\d+)', array(
            'methods' => WP_REST_Server::READABLE,
            'callback' => 'variavel_historico'
        ) );
} );

add_action( 'rest_api_init', function () {
    global $ApiConfig;
    register_rest_route(
        $ApiConfig['application'].'/v' . $ApiConfig['version'],
        '/indicador/(?P<indicador>\d+)', array(
            'methods' => WP_REST_Server::READABLE,
            'callback' => 'indicador_cadastro'
        ) );
} );
add_action( 'rest_api_init', function () {
    global $ApiConfig;
    register_rest_route(
        $ApiConfig['application'].'/v' . $ApiConfig['version'],
        '/indicador_composicao/(?P<indicador>\d+)', array(
            'methods' => WP_REST_Server::READABLE,
            'callback' => 'indicador_composicao'
        ) );
} );
add_action( 'rest_api_init', function () {
    global $ApiConfig;
    register_rest_route(
        $ApiConfig['application'].'/v' . $ApiConfig['version'],
        '/variavel/(?P<variavel>\d+)', array(
            'methods' => WP_REST_Server::READABLE,

```

```

        'callback' => 'variavel_cadastro'
    ) );
} );
add_action( 'rest_api_init', function () {
    global $ApiConfig;
    register_rest_route(
$ApiConfig['application'].'/v'.$ApiConfig['version'],
'/variavel_filtro/(?P<variavel>\d+)', array(
        'methods' => WP_REST_Server::READABLE,
        'callback' => 'variavel_filtro'
    ) );
} );
add_action( 'rest_api_init', function () {
    global $ApiConfig;
    register_rest_route(
$ApiConfig['application'].'/v'.$ApiConfig['version'],
'/fonte_dados_coluna/(?P<id_fonte_dados>\d+)', array(
        'methods' => WP_REST_Server::READABLE,
        'callback' => 'fonte_dados_coluna'
    ) );
} );
add_action( 'rest_api_init', function () {
    global $ApiConfig;
    register_rest_route(
$ApiConfig['application'].'/v'.$ApiConfig['version'], '/variavel', array(
        'methods' => WP_REST_Server::READABLE,
        'callback' => 'variavel_cadastro'
    ) );
} );
add_action( 'rest_api_init', function () {
    global $ApiConfig;
    register_rest_route(
$ApiConfig['application'].'/v'.$ApiConfig['version'], '/indicador/(?P<id>\d+)', array(
        'methods' => WP_REST_Server::DELETABLE,
        'callback' => 'deletar_indicador'
    ) );
} );
add_action( 'rest_api_init', function () {
    global $ApiConfig;
    register_rest_route(
$ApiConfig['application'].'/v'.$ApiConfig['version'], '/variavel/(?P<id>\d+)', array(
        'methods' => WP_REST_Server::DELETABLE,
        'callback' => 'deletar_variavel'
    ) );
}

```

```

} );
add_action( 'rest_api_init', function () {
    global $ApiConfig;
    register_rest_route(
$ApiConfig['application'].'/v'.'.$ApiConfig['version'],
'/indicador_composicao/(?P<id>\d+)', array(
        'methods' => WP_REST_Server::DELETABLE,
        'callback' => 'deletar_indicador_composicao'
    ) );
} );
add_action( 'rest_api_init', function () {
    global $ApiConfig;
    register_rest_route(
$ApiConfig['application'].'/v'.'.$ApiConfig['version'], '/indicador', array(
        'methods' => 'POST',
        'callback' => 'inserir_indicador'
    ) );
} );
add_action( 'rest_api_init', function () {
    global $ApiConfig;
    register_rest_route(
$ApiConfig['application'].'/v'.'.$ApiConfig['version'],
'/indicador_composicao/(?P<id_indicador>\d+)', array(
        'methods' => 'POST',
        'callback' => 'atualizar_indicador_composicao'
    ) );
} );
add_action( 'rest_api_init', function () {
    global $ApiConfig;
    register_rest_route(
$ApiConfig['application'].'/v'.'.$ApiConfig['version'],
'/variavel_filtro/(?P<id_variavel>\d+)', array(
        'methods' => 'POST',
        'callback' => 'atualizar_variavel_filtro'
    ) );
} );
add_action( 'rest_api_init', function () {
    global $ApiConfig;
    register_rest_route(
$ApiConfig['application'].'/v'.'.$ApiConfig['version'],
'/variavel_filtro/(?P<id_variavel>\d+)', array(
        'methods' => 'PUT',
        'callback' => 'atualizar_variavel_filtro'
    ) );
} );
add_action( 'rest_api_init', function () {

```

```

        global $ApiConfig;
        register_rest_route(
            $ApiConfig['application'].'/v' . $ApiConfig['version'],
            '/fonte_dados_coluna/(?P<id_variavel>\d+)', array(
                'methods' => 'POST',
                'callback' => 'atualizar_coluna_fonte_dados'
            ) );
    } );
    add_action( 'rest_api_init', function () {
        global $ApiConfig;
        register_rest_route(
            $ApiConfig['application'].'/v' . $ApiConfig['version'],
            '/fonte_dados_coluna/(?P<id_variavel>\d+)', array(
                'methods' => 'PUT',
                'callback' => 'atualizar_coluna_fonte_dados'
            ) );
    } );
    add_action( 'rest_api_init', function () {
        global $ApiConfig;
        register_rest_route(
            $ApiConfig['application'].'/v' . $ApiConfig['version'],
            '/variavel_filtro/(?P<id>\d+)', array(
                'methods' => WP_REST_Server::DELETABLE,
                'callback' => 'deletar_variavel_filtro'
            ) );
    } );
    add_action( 'rest_api_init', function () {
        global $ApiConfig;
        register_rest_route(
            $ApiConfig['application'].'/v' . $ApiConfig['version'],
            '/fonte_dados_coluna/(?P<id>\d+)', array(
                'methods' => WP_REST_Server::DELETABLE,
                'callback' => 'deletar_fonte_dados_coluna'
            ) );
    } );
    add_action( 'rest_api_init', function () {
        global $ApiConfig;
        register_rest_route(
            $ApiConfig['application'].'/v' . $ApiConfig['version'],
            '/fonte_dados_coluna/(?P<id_fonte_dados>\d+)', array(
                'methods' => 'POST',
                'callback' => 'atualizar_fonte_dados_coluna'
            ) );
    } );
    add_action( 'rest_api_init', function () {
        global $ApiConfig;

```

```

        register_rest_route(
$ApiConfig['application'].'/v'.'.$ApiConfig['version'],
'/fonte_dados_coluna/(?P<id_fonte_dados>\d+)', array(
            'methods' => 'PUT',
            'callback' => 'atualizar_fonte_dados_coluna'
        ) );
    } );
    add_action( 'rest_api_init', function () {
        global $ApiConfig;
        register_rest_route(
$ApiConfig['application'].'/v'.'.$ApiConfig['version'],
'/fonte_dados_coluna/(?P<id>\d+)', array(
            'methods' => WP_REST_Server::DELETABLE,
            'callback' => 'deletar_fonte_dados_coluna'
        ) );
    } );
    add_action( 'rest_api_init', function () {
        global $ApiConfig;
        register_rest_route(
$ApiConfig['application'].'/v'.'.$ApiConfig['version'], '/variavel', array(
            'methods' => 'POST',
            'callback' => 'inserir_variavel'
        ) );
    } );
    add_action( 'rest_api_init', function () {
        global $ApiConfig;
        register_rest_route(
$ApiConfig['application'].'/v'.'.$ApiConfig['version'], '/indicador', array(
            'methods' => 'PUT',
            'callback' => 'atualizar_indicador'
        ) );
    } );
    add_action( 'rest_api_init', function () {
        global $ApiConfig;
        register_rest_route(
$ApiConfig['application'].'/v'.'.$ApiConfig['version'],
'/grupo_indicador/(?P<id_grupo_indicador>\d+)', array(
            'methods' => 'PUT',
            'callback' => 'atualizar_grupo_indicador'
        ) );
    } );
    add_action( 'rest_api_init', function () {
        global $ApiConfig;
        register_rest_route(
$ApiConfig['application'].'/v'.'.$ApiConfig['version'],
'/indicador_composicao/(?P<id_indicador>\d+)', array(

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```

        'methods' => 'PUT',
        'callback' => 'atualizar_indicador_composicao'
    ) );
} );
add_action( 'rest_api_init', function () {
    global $ApiConfig;
    register_rest_route(
$ApiConfig['application'].'/v'.$ApiConfig['version'], '/variavel', array(
        'methods' => 'PUT',
        'callback' => 'atualizar_variavel'
    ) );
} );
add_action( 'rest_api_init', function () {
    global $ApiConfig;
    register_rest_route(
$ApiConfig['application'].'/v'.$ApiConfig['version'],
'/grupo_indicador/(?P<grupo>\d+)', array(
        'methods' => WP_REST_Server::READABLE,
        'callback' => 'grupo_indicador'
    ) );
} );
add_action( 'rest_api_init', function () {
    global $ApiConfig;
    register_rest_route(
$ApiConfig['application'].'/v'.$ApiConfig['version'], '/grupo_indicador', array(
        'methods' => WP_REST_Server::READABLE,
        'callback' => 'grupo_indicador'
    ) );
} );
add_action( 'rest_api_init', function () {
    global $ApiConfig;
    register_rest_route(
$ApiConfig['application'].'/v'.$ApiConfig['version'], '/indicador', array(
        'methods' => WP_REST_Server::READABLE,
        'callback' => 'indicador_cadastro'
    ) );
} );

add_action( 'rest_api_init', function () {
    global $ApiConfig;
    register_rest_route(
$ApiConfig['application'].'/v'.$ApiConfig['version'],
'/acoes_prioritarias', array(
        'methods' => WP_REST_Server::READABLE,
        'callback' => 'acoes_prioritarias'
    )
)

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    );
});

add_action( 'rest_api_init', function () {
    global $ApiConfig;
    register_rest_route(
        $ApiConfig['application'].'/v' . $ApiConfig['version'], '/fontes_dados',
        array( 'methods' => WP_REST_Server::READABLE,
            'callback' => 'fontes_dados'
        )
    );
});

add_action( 'rest_api_init', function () {
    global $ApiConfig;
    register_rest_route(
        $ApiConfig['application'].'/v' . $ApiConfig['version'],
        '/fontes_dados/(?P<fonte_dados>\d+)', array(
            'methods' => WP_REST_Server::READABLE,
            'callback' => 'fontes_dados_coluna'
        )
    );
});

add_action( 'rest_api_init', function () {
    global $ApiConfig;
    register_rest_route(
        $ApiConfig['application'].'/v' . $ApiConfig['version'],
        '/fontes_dados/(?P<id>\d+)', array(
            'methods' => WP_REST_Server::DELETEABLE,
            'callback' => 'deletar_fonte_dados'
        )
    );
});

add_action( 'rest_api_init', function () {
    global $ApiConfig;
    register_rest_route(
        $ApiConfig['application'].'/v' . $ApiConfig['version'], '/fontes_dados',
        array( 'methods' => 'PUT',
            'callback' => 'atualizar_fonte_dados'
        )
    );
});

add_action( 'rest_api_init', function () {
    global $ApiConfig;
    register_rest_route(

```

```

$ApiConfig['application'].'/v' . $ApiConfig['version'],
'/fontes_dados/carregar/(?P<id>\d+)', array(
    'methods' => 'POST',
    'callback' => 'carregar_fonte_dados'
) );
} );

add_action( 'rest_api_init', function ()
{
    global $ApiConfig;
    register_rest_route(
$ApiConfig['application'].'/v' . $ApiConfig['version'], '/fontes_dados',
array( 'methods' => 'POST',
    'callback' => 'inserir_fonte_dados'
) );
} );
}

function deletar_variavel(WP_REST_Request $request){
    $parametros = $request->get_params();
    global $DbConfig;
    try {
        $pdo = new
PDO('pgsql:host=' . $DbConfig['host'] .';port=' . $DbConfig['port'] .';user=' . $DbConfig
['user'] .';dbname=' . $DbConfig['dbname'] .';password=' . $DbConfig['password']);
    } catch (PDOException $e) {
        die("Conexão ao banco de dados falhou: " . $e->getMessage());
    }

    $comando_string = "delete from sistema.variavel where id_variavel =
:id"; $comando = $pdo->prepare($comando_string);

    if(array_key_exists('id',$parametros))
        if($parametros['id'] != '')
            $comando->bindParam(':id',$parametros['id']);

    if(!$comando->execute()){
        $erro = $comando->errorInfo();
        $response = new WP_REST_Response($erro[2], 500);
    }
    else
    {
        $response = new WP_REST_Response( true );
    }

    return $response;
}

```

```

function deletar_variavel_filtro(WP_REST_Request
    $request){ $parametros = $request->get_params();
    global $DbConfig;
    try {
        $pdo = new
        PDO('pgsql:host=' . $DbConfig['host'] . ';' . port=' . $DbConfig['port'] . ';' . user=' . $DbConfig
        ['user'] . ';' . dbname=' . $DbConfig['dbname'] . ';' . password=' . $DbConfig['password']);
    } catch (PDOException $e) {
        die("Conexão ao banco de dados falhou: " . $e->getMessage());
    }

        $comando_string = "delete from sistema.variavel_filtro where id_variavel
= :id";
        $comando = $pdo->prepare($comando_string);

        if(array_key_exists('id',$parametros))
            if($parametros['id'] != '')
                $comando->bindParam(':id',$parametros['id']);

        if(!$comando->execute()){
            $erro = $comando->errorInfo();
            $response = new WP_REST_Response($erro[2], 500);
        }
        else
        {
            $response = new WP_REST_Response( true );
        }

        return $response;
    }

function deletar_fonte_dados(WP_REST_Request $request){
    $parametros = $request->get_params();
    global $DbConfig;
    try {
        $pdo = new
        PDO('pgsql:host=' . $DbConfig['host'] . ';' . port=' . $DbConfig['port'] . ';' . user=' . $DbConfig
        ['user'] . ';' . dbname=' . $DbConfig['dbname'] . ';' . password=' . $DbConfig['password']);
    } catch (PDOException $e) {
        die("Conexão ao banco de dados falhou: " . $e->getMessage());
    }

        $comando_string = "delete from sistema.fonte_dados where id_fonte_dados =
:id";

```

```

$comando = $pdo->prepare($comando_string);

if(array_key_exists('id',$parametros))
    if($parametros['id'] != '')
        $comando->bindParam(':id',$parametros['id']);

if(!$comando->execute()){
    $erro = $comando->errorInfo();
    $response = new WP_REST_Response($erro[2], 500);
}
else
{
    $response = new WP_REST_Response( true );
}

return $response;
}

function deletar_fonte_dados_coluna(WP_REST_Request
$request){ $parametros = $request->get_params();
global $DbConfig;
try {
    $pdo = new
PDO('pgsql:host=' . $DbConfig['host'] .';port=' . $DbConfig['port'] .';user=' . $DbConfig
['user'] .';dbname=' . $DbConfig['dbname'] .';password=' . $DbConfig['password']);
} catch (PDOException $e) {
    die("Conexão ao banco de dados falhou: " . $e->getMessage());
}

$comando_string = "delete from sistema.coluna where id_fonte_dados =
:id";
$comando = $pdo->prepare($comando_string);

if(array_key_exists('id',$parametros))
    if($parametros['id'] != '')
        $comando->bindParam(':id',$parametros['id']);

if(!$comando->execute()){
    $erro = $comando->errorInfo();
    $response = new WP_REST_Response($erro[2], 500);
}
else
{
    $response = new WP_REST_Response( true );
}

return $response;
}

```

```

}

function deletar_indicador_fusao(WP_REST_Request
    $request){ $parametros = $request->get_params();
    global $DbConfig;
    try {
        $pdo = new
        PDO('pgsql:host=' . $DbConfig['host'] .';port=' . $DbConfig['port'] .';user=' . $DbConfig
        ['user'] .';dbname=' . $DbConfig['dbname'] .';password=' . $DbConfig['password']);
    } catch (PDOException $e) {
        die("Conexão ao banco de dados falhou: " . $e->getMessage());
    }

    $comando_string = "delete from sistema.indicador_composicao
where id_indicador_pai = :id";
    $comando = $pdo->prepare($comando_string);

    if(array_key_exists('id',$parametros))
        if($parametros['id'] != '')
            $comando->bindParam(':id',$parametros['id']);

    if(!$comando->execute()){
        $erro = $comando->errorInfo();
        $response = new WP_REST_Response($erro[2], 500);
    }
    else
    {
        $response = new WP_REST_Response( true );
    }

    return $response;
}

function deletar_indicador(WP_REST_Request
    $request){ $parametros = $request-
    >get_params(); global $DbConfig;
    try {
        $pdo = new
        PDO('pgsql:host=' . $DbConfig['host'] .';port=' . $DbConfig['port'] .';user=' . $DbConfig
        ['user'] .';dbname=' . $DbConfig['dbname'] .';password=' . $DbConfig['password']);
    } catch (PDOException $e) {
        die("Conexão ao banco de dados falhou: " . $e->getMessage());
    }

    $comando_string = "delete from sistema.indicador where id_indicador =
:id";
    $comando = $pdo->prepare($comando_string);

```

```

    if(array_key_exists('id',$parametros))
        if($parametros['id'] != '')
            $comando->bindParam(':id',$parametros['id']);

    if(!$comando->execute()){
        $erro = $comando->errorInfo();
        $response = new WP_REST_Response($erro[2], 500);
    }
    else
    {
        $response = new WP_REST_Response( true );
    }

    return $response;
}

function atualizar_indicador(WP_REST_Request $request){
    $parametros = $request->get_params();
    global $DbConfig;
    try {
        $pdo = new
PDO('pgsql:host=' . $DbConfig['host'] .';port=' . $DbConfig['port'] .';user=' . $DbConfig
['user'] .';dbname=' . $DbConfig['dbname'] .';password=' . $DbConfig['password']);
    } catch (PDOException $e) {
        die("Conexão ao banco de dados falhou: " . $e->getMessage());
    }

    $indicador = $parametros['indicador'];

    $comando_string = "update sistema.indicador set
        nome = :nome,
        periodicidade = :periodicidade,
        tipo_valor = :tipo_valor,
        nota_tecnica = :nota_tecnica,
        nota_tecnica_resumida = :nota_tecnica_resumida,
        apresentacao = :apresentacao,
        simbolo_valor = :simbolo_valor,
        ativo = :ativo,
        homologacao = :homologacao,
        fonte = :fonte,
        id_territorio_padrao = :id_territorio_padrao,
        observacao = :observacao
        where id_indicador = :id_indicador";
    $comando = $pdo->prepare($comando_string);

```

```

    if(array_key_exists('id_indicador',$indicador))
        if($indicador['id_indicador'] != ''){
            $comando-
            >bindParam(':id_indicador',$indicador['id_indicador']);
            $comando->bindParam(':nome',$indicador['nome']);
            $comando-
            >bindParam(':periodicidade',$indicador['periodicidade']);
            $comando-
            >bindParam(':tipo_valor',$indicador['tipo_valor']);
            $comando-
            >bindParam(':nota_tecnica',$indicador['nota_tecnica']);
            $comando-
            >bindParam(':nota_tecnica_resumida',$indicador['nota_tecnica_resumida']);
            $comando-
            >bindParam(':apresentacao',$indicador['apresentacao']);
            $comando-
            >bindParam(':simbolo_valor',$indicador['simbolo_valor']);
            $indicador['ativo'] = ($indicador['ativo'])? 't' : 'f';
            $indicador['homologacao'] =
            ($indicador['homologacao'])? 't' : 'f';
            $comando->bindParam(':ativo',$indicador['ativo']);
            $comando-
            >bindParam(':homologacao',$indicador['homologacao']);
            $comando->bindParam(':fonte',$indicador['fonte']);
            $comando-
            >bindParam(':id_territorio_padrao',$indicador['id_territorio_padrao']);
            $comando-
            >bindParam(':observacao',$indicador['observacao']);
        }

        if(!$comando->execute()){
            $erro = $comando->errorInfo();
            $response = new WP_REST_Response($erro[2], 500);
        }
        else
        {
            $response = new WP_REST_Response( true );
        }

        return $response;
    }

function atualizar_grupo_indicador(WP_REST_Request
    $request){ $parametros = $request->get_params();
    global $DbConfig;
    try {

```

```

        $pdo = new
PDO('pgsql:host=' . $DbConfig['host'] .';port=' . $DbConfig['port'] .';user=' . $DbConfig
['user'] .';dbname=' . $DbConfig['dbname'] .';password=' . $DbConfig['password']);
} catch (PDOException $e) {
    die("Conexão ao banco de dados falhou: " . $e->getMessage());
}

$grupo = $parametros['grupo'];

$response = new WP_REST_Response( true );

$comando_string = "delete from sistema.grupo_propriedade
where id_grupo_indicador = :id_grupo_indicador";
$comando = $pdo->prepare($comando_string);

if(array_key_exists('id_grupo_indicador',$parametros))
    if($parametros['id_grupo_indicador'] != '')
        $comando-
>bindParam(':id_grupo_indicador',$parametros['id_grupo_indicador']);

if(!$comando->execute()){
    $erro = $comando->errorInfo();
    $response = new WP_REST_Response($erro[2], 500);
} else{
    $comando_string = "update sistema.grupo_indicador set nome
= :nome, tipo = :tipo where id_grupo_indicador = :id_grupo_indicador";
    $comando = $pdo->prepare($comando_string);

    $comando-
>bindParam(':id_grupo_indicador',$parametros['id_grupo_indicador']);
    $comando->bindParam(':tipo',$parametros['tipo']);
    $comando->bindParam(':nome',$grupo['nome']);

    if(!$comando->execute()){
        $erro = $comando->errorInfo();
        $response = new WP_REST_Response($erro[2], 500);
    }
    else
    {
        foreach($grupo['propriedades'] as $indice => $propriedade){
            if($propriedade['chave'] != null){

                $comando_string = "insert into
sistema.grupo_propriedade (id_grupo_indicador,chave, valor, ordem)

```

```

        values (:id_grupo_indicador,:chave,:valor,:ordem)");
        $comando = $pdo->prepare($comando_string);
        // $ordem = $indice + 1;
        $comando-
>bindParam(':id_grupo_indicador',$parametros['id_grupo_indicador']);
        $comando-
>bindParam(':chave',$propriedade['chave']);
        $comando-
>bindParam(':valor',$propriedade['valor']);
        $comando-
>bindParam(':ordem',$propriedade['ordem']);

        if(! $comando->execute()){
            $erro = $comando->errorInfo();
            $response = new
WP_REST_Response($erro[2], 500);
        }
    }
}

return $response;
}

function atualizar_indicador_composicao(WP_REST_Request
$request){ $parametros = $request->get_params();
global $DbConfig;
try {
    $pdo = new
PDO('pgsql:host='.$DbConfig['host'].';port='.$DbConfig['port'].';user='.$DbConfig
['user'].';dbname='.$DbConfig['dbname'].';password='.$DbConfig['password']);
} catch (PDOException $e) {
    die("Conexão ao banco de dados falhou: " . $e->getMessage());
}

$composicao = $parametros['composicao'];

$response = new WP_REST_Response( true );

$comando_string = "delete from sistema.indicador_x_variavel
where id_indicador = :id_indicador";
$comando = $pdo->prepare($comando_string);

```

```

        if(array_key_exists('id_indicador',$parametros))
            if($parametros['id_indicador'] != '')
                $comando-
            >bindParam(':id_indicador',$parametros['id_indicador']);

        if(!$comando->execute()){
            $erro = $comando->errorInfo();
            $response = new WP_REST_Response($erro[2], 500);
        }
        else
        {
            foreach($composicao as $chave => $valor){

                if($valor['id_variavel'] != null){

                    $comando_string = "insert into
sistema.indicador_x_variavel (id_indicador,id_variavel, operador, ordem,
aninhamento, principal)

values
(:id_indicador,:id_variavel,:operador,:ordem,:aninhamento,:principal)";
                    $comando = $pdo->prepare($comando_string);
                    $ordem = $chave + 1;
                    $comando-
                >bindParam(':id_indicador',$parametros['id_indicador']);
                    $comando-
                >bindParam(':id_variavel',$valor['id_variavel']);
                    $comando->bindParam(':operador',$valor['operador']);
                    $comando->bindParam(':ordem',$ordem);
                    $comando-
                >bindParam(':aninhamento',$valor['aninhamento']);
                    $comando-
                >bindParam(':principal',$valor['principal']);

                    if(!$comando->execute()){
                        $erro = $comando->errorInfo();
                        $response = new WP_REST_Response($erro[2],
500);
                    }
                }
            }
        }

$comando_string = "select sistema.calcular_indicador(:id_indicador)";
$comando = $pdo->prepare($comando_string);

```

```

    if(array_key_exists('id_indicador',$parametros))
        if($parametros['id_indicador'] != ''){
            $comando-
            >bindParam(':id_indicador',$parametros['id_indicador']);
        }

        if(!$comando->execute()){
            $erro = $comando->errorInfo();
            $response = new WP_REST_Response($erro[2], 500);
        }

        return $response;
    }

function atualizar_indicador_fusao(WP_REST_Request
    $request){ $parametros = $request->get_params();
    global $DbConfig;
    try {
        $pdo = new
        PDO('pgsql:host='.$DbConfig['host'].';port='.$DbConfig['port'].';user='.$DbConfig
        ['user'].';dbname='.$DbConfig['dbname'].';password='.$DbConfig['password']);
    } catch (PDOException $e) {
        die("Conexão ao banco de dados falhou: " . $e->getMessage());
    }

    $composicao = $parametros['composicao'];

    $response = new WP_REST_Response( true );

    $comando_string = "delete from sistema.indicador_composicao
where id_indicador_pai = :id_indicador";
    $comando = $pdo->prepare($comando_string);

    if(array_key_exists('id_indicador',$parametros))
        if($parametros['id_indicador'] != '')
            $comando-
            >bindParam(':id_indicador',$parametros['id_indicador']);

        if(!$comando->execute()){
            $erro = $comando->errorInfo();
            $response = new WP_REST_Response($erro[2], 500);
        }
    else
    {
        foreach($composicao as $chave => $valor){

```

```

        if($valor['id_indicador_filho'] != null){

            $comando_string = "insert into
            sistema.indicador_composicao (id_indicador_pai, id_indicador_filho, dimensao)

                                values
            (:id_indicador_pai,:id_indicador_filho,:dimensao)";
            $comando = $pdo->prepare($comando_string);

            $comando-
            >bindParam(':id_indicador_pai',$parametros['id_indicador']);
            $comando-
            >bindParam(':id_indicador_filho',$valor['id_indicador_filho']);
            $comando->bindParam(':dimensao',$valor['dimensao']);

            if(!$comando->execute()){
                $erro = $comando->errorInfo();
                $response = new WP_REST_Response($erro[2], 500);
            }
        }

        $comando_string = "select sistema.calcular_indicador(:id_indicador)";
        $comando = $pdo->prepare($comando_string);

        if(array_key_exists('id_indicador',$parametros))
            if($parametros['id_indicador'] != ''){
                $comando-
                >bindParam(':id_indicador',$parametros['id_indicador']);
            }

            if(!$comando->execute()){
                $erro = $comando->errorInfo();
                $response = new WP_REST_Response($erro[2], 500);
            }

        return $response;
    }

    function atualizar_variavel_filtro(WP_REST_Request
        $request){ $parametros = $request->get_params();
```

```

    global $DbConfig;
    try {
        $pdo = new
PDO('pgsql:host=' . $DbConfig['host'] .';port=' . $DbConfig['port'] .';user=' . $DbConfig
['user'] .';dbname=' . $DbConfig['dbname'] .';password=' . $DbConfig['password']);
    } catch (PDOException $e) {
        die("Conexão ao banco de dados falhou: " . $e->getMessage());
    }

    $variavelFiltro = $parametros['filtro'];

    $response = new WP_REST_Response( true );

    $comando_string = "delete from sistema.variavel_filtro where
id_variavel = :id_variavel";
    $comando = $pdo->prepare($comando_string);

    if(array_key_exists('id_variavel',$parametros))
        if($parametros['id_variavel'] != '')
            $comando-
>bindParam(':id_variavel',$parametros['id_variavel']);

    if(!$comando->execute()){
        $erro = $comando->errorInfo();
        $response = new WP_REST_Response($erro[2], 500);
    }
    else
    {
        foreach($variavelFiltro as $chave => $valor){

            if($valor['coluna'] != null){

                $comando_string = "insert into
sistema.variavel_filtro (id_variavel, coluna, valor, operador_comparador,
ordem, aninhamento, operador_logico, excluir_regiao_raiz)

values

(:id_variavel,:coluna,:valor,:operador_comparador,:ordem,:aninhamento,:operador_1
ogico,:excluir_regiao_raiz)";
                $comando = $pdo->prepare($comando_string);
                $ordem = $chave + 1;
                $comando-
>bindParam(':id_variavel',$parametros['id_variavel']);
                $comando->bindParam(':coluna',$valor['coluna']);
                $comando->bindParam(':valor',$valor['valor']);
            }
        }
    }
}

```

```

        $comando-
>bindParam(':operador_comparador',$valor['operador_comparador']);
        $comando->bindParam(':ordem',$ordem);
        $comando-
>bindParam(':aninhamento',$valor['aninhamento']);
        $comando-
>bindParam(':operador_logico',$valor['operador_logico']);

        $valor['excluir_regiao_raiz'] =
($valor['excluir_regiao_raiz'])?'t':'f';
        $comando-
>bindParam(':excluir_regiao_raiz',$valor['excluir_regiao_raiz']);

        if(!$comando->execute()){
            $erro = $comando->errorInfo();
            $response = new WP_REST_Response($erro[2],
500);
        }
    }

    return $response;
}

function atualizar_fonte_dados_coluna(WP_REST_Request
$request){
    $parametros = $request->get_params();
    global $DbConfig;
    try {
        $pdo = new
PDO('pgsql:host=' . $DbConfig['host'] .';port=' . $DbConfig['port'] .';user=' . $DbConfig
['user'] .';dbname=' . $DbConfig['dbname'] .';password=' . $DbConfig['password']);
    } catch (PDOException $e) {
        die("Conexão ao banco de dados falhou: " . $e->getMessage());
    }

    $colunas = $parametros['colunas'];

    $response = new WP_REST_Response( true );

    $comando_string = "delete from sistema.coluna where id_fonte_dados
= :id_fonte_dados";
    $comando = $pdo->prepare($comando_string);

    if(array_key_exists('id_fonte_dados',$parametros))
        if($parametros['id_fonte_dados'] != '')

```

```

        $comando-
>bindParam(':id_fonte_dados',$parametros['id_fonte_dados']);

        if(!$comando->execute()){
            $erro = $comando->errorInfo();
            $response = new WP_REST_Response($erro[2], 500);
        }
        else
        {
            foreach($colunas as $chave => $valor){

                if($valor['tipo'] != null){

                    $comando_string = "insert into sistema.coluna
(id_fonte_dados, tipo, nome, formato, id_territorio, tipo_territorio)

values (:id_fonte_dados,:tipo,:nome,:formato,:id_territorio,:tipo_territorio)"; $comando
= $pdo->prepare($comando_string); $ordem = $chave + 1;

                    $comando-
>bindParam(':id_fonte_dados',$parametros['id_fonte_dados']);
                    $comando->bindParam(':tipo',$valor['tipo']);
                    $comando->bindParam(':nome',$valor['nome']);
                    $comando->bindParam(':formato',$valor['formato']);
                    $comando-
>bindParam('id_territorio',$valor['id_territorio']);
                    $comando-
>bindParam('tipo_territorio',$valor['tipo_territorio']);

                    if(!$comando->execute()){
                        $erro = $comando->errorInfo();
                        $response = new WP_REST_Response($erro[2],
500);
                    }
                }
            }
        }

        return $response;
    }

function atualizar_variavel(WP_REST_Request $request){
    $parametros = $request->get_params();
    global $DbConfig;
}

```

```

try {
    $pdo = new
PDO('pgsql:host='.$DbConfig['host'].';port='.$DbConfig['port'].';user='.$DbConfig
['user'].';dbname='.$DbConfig['dbname'].';password='.$DbConfig['password']);
} catch (PDOException $e) {
    die("Conexão ao banco de dados falhou: " . $e->getMessage());
}

$variavel = $parametros['variavel'];

$comando_string = "update sistema.variavel set
nome = :nome,
coluna_valor = :coluna_valor,
operacao_agregacao = :operacao_agregacao,
coluna_data = :coluna_data,
coluna_dimensao = :coluna_dimensao,
id_fonte_dados = :id_fonte_dados,
distribuicao = :distribuicao,
periodicidade = :periodicidade,
desabilitar_dim_raiz = :desabilitar_dim_raiz,
acumulativa = :acumulativa,
crescimento = :crescimento,
tipo_cruzamento = :tipo_cruzamento,
tipo_valor = :tipo_valor,
tipo_territorio = :tipo_territorio
where id_variavel = :id_variavel";
$comando = $pdo->prepare($comando_string);

if(array_key_exists('id_variavel',$variavel))
    if($variavel['id_variavel'] != ''){
        $variavel['desabilitar_dim_raiz'] =
        ($variavel['desabilitar_dim_raiz'])? 't' : 'f';
        $variavel['distribuicao'] =
        ($variavel['distribuicao'])? 't' : 'f';
        $variavel['acumulativa'] =
        ($variavel['acumulativa'])? 't' : 'f';
        $variavel['crescimento'] =
        ($variavel['crescimento'])? 't' : 'f';
        if(is_null($variavel['tipo_cruzamento']))
            $variavel['tipo_cruzamento'] = 'inner';

        $comando->bindParam(':nome',$variavel['nome']);
        $comando-
>bindParam(':coluna_valor',$variavel['coluna_valor']);
        $comando-
>bindParam(':operacao_agregacao',$variavel['operacao_agregacao']);

```

```

                $comando-
>bindParam(':coluna_data',$variavel['coluna_data']);
                $comando-
>bindParam(':coluna_dimensao',$variavel['coluna_dimensao']);
                $comando-
>bindParam(':id_fonte_dados',$variavel['id_fonte_dados']);
                $comando-
>bindParam(':distribuicao',$variavel['distribuicao']);
                $comando-
>bindParam(':periodicidade',$variavel['periodicidade']);
                $comando-
>bindParam(':desabilitar_dim_raiz',$variavel['desabilitar_dim_raiz']);
                $comando-
>bindParam(':acumulativa',$variavel['acumulativa']);
                $comando-
>bindParam(':crescimento',$variavel['crescimento']);
                $comando-
>bindParam(':tipo_cruzamento',$variavel['tipo_cruzamento']);
                $comando-
>bindParam(':tipo_valor',$variavel['tipo_valor']);
                $comando-
>bindParam(':tipo_territorio',$variavel['tipo_territorio']);
                $comando-
>bindParam(':id_variavel',$variavel['id_variavel']);
            }

        if(!$comando->execute()){
            $erro = $comando->errorInfo();
            $response = new WP_REST_Response($erro[2],500);
        }
        else
        {
            $response = new WP_REST_Response( true );
        }

        return $response;
    }
    function atualizar_view_dado_aberto($pdo, $id_fonte_dados){

        $comando_string = 'select
sistema.criar_view_dado_aberto(:id_fonte_dados)';

        $comando = $pdo->prepare($comando_string);

        $comando->bindParam(':id_fonte_dados',$id_fonte_dados);
    }
}

```

```

        if(!$comando->execute()){
            $erro = $comando->errorInfo();
            $response = new WP_REST_Response($erro[2], 500);
        }
        else
        {
            $response = new WP_REST_Response( true );
        }
        return $response;
    }

    function atualizar_fonte_dados(WP_REST_Request
        $request){ $parametros = $request->get_params();
        global $DbConfig;
        try {
            $pdo = new
                PDO('pgsql:host=' . $DbConfig['host'] .';port=' . $DbConfig['port'] .';user=' . $DbConfig
                ['user'] .';dbname=' . $DbConfig['dbname'] .';password=' . $DbConfig['password']);
        } catch (PDOException $e) {
            die("Conexão ao banco de dados falhou: " . $e->getMessage());
        }

        $fonte_dados = $parametros['fonte_dados'];

        atualizar_view_dado_aberto($pdo, $fonte_dados['id_fonte_dados']);

        $comando_string = "update sistema.fonte_dados set
            nome = :nome,
            delimitador = :delimitador,
            diretorio = :diretorio,
            data_atualizacao = :data_atualizacao,
            formato_arquivo = :formato_arquivo,
            nome_tabela = :nome_tabela,
            linha_cabecalho = :linha_cabecalho,
            data_inicial = :data_inicial,
            data_final = :data_final,
            tipo = :tipo,
            periodicidade = :periodicidade,
            origem = :origem,
            link = :link,
            id_usuario_mantenedor = :id_usuario_mantenedor,
            script_sql = :script_sql,
            ativa = :ativa
            where id_fonte_dados = :id_fonte_dados";
        $comando = $pdo->prepare($comando_string);

        if(array_key_exists('id_fonte_dados',$fonte_dados))

```

```

if($fonte_dados['id_fonte_dados'] != ''){

    $comando-
>bindParam(':id_fonte_dados',$fonte_dados['id_fonte_dados']);
    $comando->bindParam(':nome',$fonte_dados['nome']);
    $comando-
>bindParam(':delimitador',$fonte_dados['delimitador']);
    $comando-
>bindParam(':diretorio',$fonte_dados['diretorio']);
    $comando-
>bindParam(':data_atualizacao',$fonte_dados['data_atualizacao']);
    $comando-
>bindParam(':formato_arquivo',$fonte_dados['formato_arquivo']);
    $comando-
>bindParam(':nome_tabela',$fonte_dados['nome_tabela']);
    $comando-
>bindParam(':linha_cabecalho',$fonte_dados['linha_cabecalho']);
    $comando-
>bindParam(':data_inicial',$fonte_dados['data_inicial']);
    $comando-
>bindParam(':data_final',$fonte_dados['data_final']);
    $comando->bindParam(':tipo',$fonte_dados['tipo']);
    $comando-
>bindParam(':periodicidade',$fonte_dados['periodicidade']);
    $comando-
>bindParam(':origem',$fonte_dados['origem']);
    $comando->bindParam(':link',$fonte_dados['link']);
    $comando-
>bindParam(':id_usuario_mantenedor',$fonte_dados['id_usuario_mantenedor']);
    $fonte_dados['ativa'] =
($fonte_dados['ativa'])?'t':'f';
    $comando->bindParam(':ativa',$fonte_dados['ativa']);
    $comando-
>bindParam(':script_sql',$fonte_dados['script_sql']);
}

if(!$comando->execute()){
    $erro = $comando->errorInfo();
    $response = new WP_REST_Response($erro[2], 500);
}
else{
    $colunas_exclusao = $fonte_dados['colunas_exclusao'];

    $response = new WP_REST_Response( true );
}

```

```

        $comando_string = "delete from
sistema.fonte_dados_exclusao_coluna where id_fonte_dados = :id_fonte_dados";
        $comando = $pdo->prepare($comando_string);

        $comando-
>bindParam(':id_fonte_dados',$fonte_dados['id_fonte_dados']);

        if(!$comando->execute()){
            $erro = $comando->errorInfo();
            $response = new WP_REST_Response($erro[2], 500);
        }
        else
    {

        foreach($colunas_exclusao as $chave => $valor){

            if($valor != null){

                $comando_string = "insert into
sistema.fonte_dados_exclusao_coluna (id_fonte_dados, coluna)

values (:id_fonte_dados,:coluna)";
                $comando = $pdo->prepare($comando_string);

                $comando-
>bindParam(':id_fonte_dados',$fonte_dados['id_fonte_dados']);
                $comando->bindParam(':coluna',$valor);

                if(!$comando->execute()){
                    $erro = $comando->errorInfo();
                    $response = new
WP_REST_Response($erro[2], 500);
                }
            }
        }
    }

    $response = new WP_REST_Response( true );
}

return $response;
}
function carregar_fonte_dados(WP_REST_Request $request){

```

```

$parametros = $request->get_params();
global $DbConfig;
try {
    $pdo = new
PDO('pgsql:host=' . $DbConfig['host'] . ';' . 'port=' . $DbConfig['port'] . ';' . 'user=' . $DbConfig
['user'] . ';' . 'dbname=' . $DbConfig['dbname'] . ';' . 'password=' . $DbConfig['password']);
} catch (PDOException $e) {
    die("Conexão ao banco de dados falhou: " . $e->getMessage());
}

$comando_string =
"select *
from sistema.fonte_dados
where id_fonte_dados = :id_fonte_dados";

$comando = $pdo->prepare($comando_string);
if(array_key_exists('id_fonte_dados',$parametros))
    $comando-
>bindParam(':id_fonte_dados',$parametros['id_fonte_dados']);

if(!$comando->execute()){
    $erro = $comando->errorInfo();
    return $erro[2];
} else {
    $dados = $comando->fetchAll(PDO::FETCH_ASSOC);
}

$diretorio = wp_upload_dir()['basedir'] . '/' . $dados[0]['nome_tabela'];
$result = wp_mkdir_p($diretorio);
$nome_arquivo = $_FILES['arquivo']['name'];
move_uploaded_file($_FILES['arquivo']['tmp_name'],
$diretorio . '/' . $nome_arquivo);

$id_fonte_dados = $parametros['id_fonte_dados'];

$output = 0;
$response = 0;

//putenv('KETTLE_HOME=/var/www/pentaho/Pentaho/Configuracao');
//$varia_amb = getenv('KETTLE_HOME');

$linha_comando = '/var/www/pentaho/Pentaho/data-integration/kitchen.sh -
rep=MonitoramentoPDE -job=Carga -dir=/ -param:ID_FONTE_DADOS=' . $id_fonte_dados . ' -
param:"FORMATO_ARQUIVO=' . $nome_arquivo . '" -
```

```

param:"DIRETORIO_FONTE='".$diretorio.'" -param:TIPO_ARQUIVO=2';

exec($linha_comando,$output,$response);

atualizar_view_dado_aberto($pdo, $parametros['id_fonte_dados']);

//var_dump(array_reverse($output));
//var_dump($response);

return $response;
}

function inserir_indicador(WP_REST_Request
$request){ $parametros = $request-
>get_params(); global $DbConfig;
try {
$pdo = new
PDO('pgsql:host='.$DbConfig['host'].';port='.$DbConfig['port'].';user='.$DbConfig
['user'].';dbname='.$DbConfig['dbname'].';password='.$DbConfig['password']);
} catch (PDOException $e) {
die("Conexão ao banco de dados falhou: " . $e->getMessage());
}

$indicador = $parametros['indicador'];

$comando_string =
"insert into sistema.indicador( nome, periodicidade, tipo_valor,
nota_tecnica, nota_tecnica_resumida, apresentacao, simbolo_valor,
ativo, homologacao, fonte, id_territorio_padrao, observacao)

values(:nome,:periodicidade,:tipo_valor,:nota_tecnica,:nota_tecnica_resum
ida,:apresentacao,:simbolo_valor,:ativo,:homologacao,:fonte,:id_territorio_padrao ,:observacao)

returning id_indicador;";

$comando = $pdo->prepare($comando_string);

$comando->bindParam(':nome',$indicador['nome']);
$comando->bindParam(':periodicidade',$indicador['periodicidade']);
$comando->bindParam(':tipo_valor',$indicador['tipo_valor']);
$comando->bindParam(':nota_tecnica',$indicador['nota_tecnica']);
$comando-
>bindParam(':nota_tecnica_resumida',$indicador['nota_tecnica_resumida']);
$comando->bindParam(':apresentacao',$indicador['apresentacao']);
$comando->bindParam(':simbolo_valor',$indicador['simbolo_valor']);

```

```

$indicador['ativo'] = ($indicador['ativo'])?'t':'f';
$indicador['homologacao'] = ($indicador['homologacao'])?'t':'f';
$comando->bindParam(':ativo',$indicador['ativo']);
$comando->bindParam(':homologacao',$indicador['homologacao']);
$comando->bindParam(':fonte',$indicador['fonte']);
$comando-
>bindParam(':id_territorio_padrao',$indicador['id_territorio_padrao']);
$comando->bindParam(':observacao',$indicador['observacao']);

if(!$comando->execute()){
    $erro = $comando->errorInfo();
    $response = new WP_REST_Response($erro[2], 500);
    return $response;
}
else
{
    $dados = $comando->fetchAll(PDO::FETCH_ASSOC);

    if(!is_null($indicador['id_instrumento'])) ){
        $comando_string =
            "insert into sistema.indicador_x_grupo( id_grupo_indicador,
id_indicador, ordem)

values(:id_grupo_indicador,:id_indicador,:ordem)";

        $comando = $pdo->prepare($comando_string);

        $comando-
>bindParam(':id_grupo_indicador',$indicador['id_instrumento']);
        $comando-
>bindParam(':id_indicador',$dados[0]['id_indicador']);
        $comando-
>bindParam(':ordem',$indicador['ordem_instrumento']);

        if(!$comando->execute()){
            $erro = $comando->errorInfo();
            $response = new WP_REST_Response($erro[2], 500);
            return $response;
        }
    }

    if(!is_null($indicador['estrategias'][0]['id_grupo_indicador'])) ){
        $comando_string =
            "insert into sistema.indicador_x_grupo( id_grupo_indicador,
id_indicador, ordem)

```

```

values(:id_grupo_indicador,:id_indicador,:ordem)";

$comando = $pdo->prepare($comando_string);

$comando-
>bindParam(':id_grupo_indicador',$indicador['estrategias'][0]['id_grupo_indicador
']);
$comando-
>bindParam(':id_indicador',$dados[0]['id_indicador']);
$comando-
>bindParam(':ordem',$indicador['estrategias'][0]['ordem']);

if(!$comando->execute()){
    $erro = $comando->errorInfo();
    $response = new WP_REST_Response($erro[2], 500);
    return $response;
}
}

if(!is_null($indicador['estrategias'][1]['id_grupo_indicador']) ){
    $comando_string =
        "insert into sistema.indicador_x_grupo( id_grupo_indicador,
id_indicador, ordem)

values(:id_grupo_indicador,:id_indicador,:ordem)";

$comando = $pdo->prepare($comando_string);

$comando-
>bindParam(':id_grupo_indicador',$indicador['estrategias'][1]['id_grupo_indicador
']);
$comando-
>bindParam(':id_indicador',$dados[0]['id_indicador']);
$comando-
>bindParam(':ordem',$indicador['estrategias'][1]['ordem']);

if(!$comando->execute()){
    $erro = $comando->errorInfo();
    $response = new WP_REST_Response($erro[2], 500);
    return $response;
}
}
}

```

```

        $response = new WP_REST_Response( $dados[0] );
        return $response;
    }

function inserir_variavel(WP_REST_Request $request){
    $parametros = $request->get_params();
    global $DbConfig;
    try {
        $pdo = new
PDO('pgsql:host=' . $DbConfig['host'] .';port=' . $DbConfig['port'] .';user=' . $DbConfig
['user'] .';dbname=' . $DbConfig['dbname'] .';password=' . $DbConfig['password']);
    } catch (PDOException $e) {
        die("Conexão ao banco de dados falhou: " . $e->getMessage());
    }

    $variavel = $parametros['variavel'];

    $comando_string =
        "insert into sistema.variavel ( nome, coluna_valor,
operacao_agregacao, coluna_data, coluna_dimensao, id_fonte_dados,
distribuicao, periodicidade, desabilitar_dim_raiz, acumulativa, crescimento,
tipo_cruzamento, tipo_valor, tipo_territorio)

values(:nome,:coluna_valor,:operacao_agregacao,:coluna_data,:coluna_dimen
sao,:id_fonte_dados,:distribuicao,:periodicidade,:desabilitar_dim_raiz,:acumulati
va,:crescimento,:tipo_cruzamento,:tipo_valor,:tipo_territorio)
        returning id_variavel";

    $comando = $pdo->prepare($comando_string);

    $variavel['desabilitar_dim_raiz'] =
($variavel['desabilitar_dim_raiz'])?'t':'f';
    $variavel['distribuicao'] = ($variavel['distribuicao'])?'t':'f';
    $variavel['acumulativa'] = ($variavel['acumulativa'])?'t':'f';
    $variavel['crescimento'] = ($variavel['crescimento'])?'t':'f';

    if(is_null($variavel['tipo_cruzamento']))
        $variavel['tipo_cruzamento'] = 'inner';

    $comando->bindParam(':nome',$variavel['nome']);
    $comando->bindParam(':coluna_valor',$variavel['coluna_valor']);
    $comando-
>bindParam(':operacao_agregacao',$variavel['operacao_agregacao']);
    $comando->bindParam(':coluna_data',$variavel['coluna_data']);
}

```

```

$comando->bindParam(':coluna_dimensao',$variavel['coluna_dimensao']);
$comando->bindParam(':id_fonte_dados',$variavel['id_fonte_dados']);
$comando->bindParam(':distribuicao',$variavel['distribuicao']);
$comando->bindParam(':periodicidade',$variavel['periodicidade']);
$comando-
>bindParam(':desabilitar_dim_raiz',$variavel['desabilitar_dim_raiz']);
    $comando->bindParam(':acumulativa',$variavel['acumulativa']);
    $comando->bindParam(':crescimento',$variavel['crescimento']);
    $comando->bindParam(':tipo_cruzamento',$variavel['tipo_cruzamento']);
    $comando->bindParam(':tipo_territorio',$variavel['tipo_territorio']);
    $comando->bindParam(':tipo_valor',$variavel['tipo_valor']);

if(!$comando->execute()){
    $erro = $comando->errorInfo();
    $response = new WP_REST_Response($erro[2], 500);
}
else
{
    $dados = $comando->fetchAll(PDO::FETCH_ASSOC);
    $response = new WP_REST_Response( $dados[0] );
}
return $response;
}

function inserir_fonte_dados(WP_REST_Request $request){
    $parametros = $request->get_params();
    global $DbConfig;
    try {
        $pdo = new
PDO('pgsql:host=' . $DbConfig['host'] .';port=' . $DbConfig['port'] .';user=' . $DbConfig
['user'] .';dbname=' . $DbConfig['dbname'] .';password=' . $DbConfig['password']);
    } catch (PDOException $e) {
        die("Conexão ao banco de dados falhou: " . $e->getMessage());
    }

    $fonte_dados = $parametros['fonte_dados'];

    $comando_string =
        "insert into sistema.fonte_dados ( nome, delimitador, diretorio,
data_atualizacao, formato_arquivo, nome_tabela, linha_cabecalho,
data_inicial, data_final, tipo, periodicidade, origem, link ,ativa)
values(:nome,:delimitador,:diretorio,:data_atualizacao,:formato_arquivo,:nome_tab
ela,:linha_cabecalho,:data_inicial,:data_final,:tipo,:periodicidade,:origem,:link ,:ativa)
        returning id_fonte_dados";
}

```

```

$comando = $pdo->prepare($comando_string);

$comando->bindParam(':nome',$fonte_dados['nome']);
$comando->bindParam(':delimitador',$fonte_dados['delimitador']);
$comando->bindParam(':diretorio',$fonte_dados['diretorio']);
$comando-
>bindParam(':data_atualizacao',$fonte_dados['data_atualizacao']);
$comando->bindParam(':formato_arquivo',$fonte_dados['formato_arquivo']);
$comando->bindParam(':nome_tabela',$fonte_dados['nome_tabela']);
$comando->bindParam(':linha_cabecalho',$fonte_dados['linha_cabecalho']);
$comando->bindParam(':data_inicial',$fonte_dados['data_inicial']);
$comando->bindParam(':data_final',$fonte_dados['data_final']);
$comando->bindParam(':tipo',$fonte_dados['tipo']);
$fonte_dados['ativa'] = ($fonte_dados['ativa'])? 't' : 'f';
$comando->bindParam(':ativa',$fonte_dados['ativa']);
$comando->bindParam(':periodicidade',$fonte_dados['periodicidade']);
$comando->bindParam(':origem',$fonte_dados['origem']);
$comando->bindParam(':link',$fonte_dados['link']);

if(!$comando->execute()){
    $erro = $comando->errorInfo();
    $response = new WP_REST_Response($erro[2], 500);
}
else
{
    $dados = $comando->fetchAll(PDO::FETCH_ASSOC);

    $colunas_exclusao = $fonte_dados['colunas_exclusao'];

    $response = new WP_REST_Response( true );

    $comando_string = "delete from
sistema.fonte_dados_exclusao_coluna where id_fonte_dados = :id_fonte_dados";
    $comando = $pdo->prepare($comando_string);

    $comando-
>bindParam(':id_fonte_dados',$fonte_dados['id_fonte_dados']);

    if(!$comando->execute()){
        $erro = $comando->errorInfo();
        $response = new WP_REST_Response($erro[2], 500);
    }
    else
    {

```

```

        foreach($colunas_exclusao as $chave => $valor){

            if($valor != null){

                $comando_string = "insert into
sistema.fonte_dados_exclusao_coluna (id_fonte_dados, coluna)

values (:id_fonte_dados,:coluna)";
                $comando = $pdo->prepare($comando_string);

                $comando-
>bindParam(':id_fonte_dados',$fonte_dados['id_fonte_dados']);
                $comando->bindParam(':coluna',$valor);

                if(!$comando->execute()){
                    $erro = $comando->errorInfo();
                    $response = new
WP_REST_Response($erro[2], 500);
                }
            }
        }

        $response = new WP_REST_Response( $dados[0] );
    }

    return $response;
}

function ficha_tecnica_instrumento(WP_REST_Request
$request){ $parametros = $request->get_params();
global $DbConfig;
try {
    $pdo = new
PDO('pgsql:host=' . $DbConfig['host'] .';port=' . $DbConfig['port'] .';user=' . $DbConfig
['user'] .';dbname=' . $DbConfig['dbname'] .';password=' . $DbConfig['password']);
} catch (PDOException $e) {
    die("Conexão ao banco de dados falhou: " . $e->getMessage());
}

$comando_string = "select * from
fonte_dados.ficha_tecnica_instrumento where id_instrumento = :instrumento";
$comando = $pdo->prepare($comando_string);

if(array_key_exists('instrumento',$parametros))
    if($parametros['instrumento'] != '')

```

```

    $comando-
>bindParam(':instrumento',$parametros['instrumento']);

if(!$comando->execute()){
    $erro = $comando->errorInfo();
    return $erro[2];
} else {
    $dados = $comando->fetchAll(PDO::FETCH_ASSOC);
}

$response = new WP_REST_Response( $dados[0] );
return $response;
}

function indicador_memoria(WP_REST_Request
$request){ $parametros = $request-
>get_params(); global $DbConfig;
try {
    $pdo = new
PDO('pgsql:host='.$DbConfig['host'].';port='.$DbConfig['port'].';user='.$DbConfig
['user'].';dbname='.$DbConfig['dbname'].';password='.$DbConfig['password']);
} catch (PDOException $e) {
    die("Conexão ao banco de dados falhou: " . $e->getMessage());
}

$comando_where = '';

if(array_key_exists('data_inicio',$parametros))
    if($parametros['data_inicio']!=null)
        $comando_where = $comando_where.' and calc.data >=
:data_inicio';

if(array_key_exists('data',$parametros))
    if($parametros['data']!=null)
        $comando_where = $comando_where.' and calc.data = :data';

if(array_key_exists('data_fim',$parametros))
    if($parametros['data_fim']!=null)
        $comando_where = $comando_where.' and calc.data <=
:data_fim';

if(array_key_exists('id_regiao',$parametros))
    if($parametros['id_regiao']!=null)
        $comando_where = $comando_where.' and calc.id_regiao =
:id_regiao';

```

```

if(array_key_exists('id_territorio',$parametros))
    if($parametros['id_territorio']!=null)
        $comando_where = $comando_where.' and calc.id_territorio =
:id_territorio';

$comando_string =
'

select indic.nome as "Nome"
, indic.tipo_valor as "Unidade de medida"
, indic.simbolo_valor as "Símbolo de medida"
, calc.dimensao as "Categoria"
, terr.nome as "Unidade Territorial de Análise"
, reg.nome as "Região"
, calc.data as "Data"
, calc.valor as "Valor"
, var_calc1.valor as "Variavel1"
, var_calc2.valor as "Variavel2"
, var_calc3.valor as "Variavel3"
, var_calc4.valor as "Variavel4"
, var_calc5.valor as "Variavel5"
, var_calc6.valor as "Variavel6"
, var_calc7.valor as "Variavel7"
, var_calc8.valor as "Variavel8"

from sistema.indicador_calculo calc
inner join sistema.indicador indic on indic.id_indicador = calc.id_indicador inner
join fonte_dados.territorio terr on terr.id_territorio = calc.id_territorio inner
join fonte_dados.regiao reg on reg.id_territorio = terr.id_territorio
    and reg.id_regiao = calc.id_regiao
left join sistema.indicador_x_variavel indic_var1
    on indic_var1.id_indicador = indic.id_indicador
    and indic_var1.ordem = 1
left join sistema.indicador_x_variavel indic_var2
    on indic_var2.id_indicador = indic.id_indicador
    and indic_var2.ordem = 2
left join sistema.indicador_x_variavel indic_var3
    on indic_var3.id_indicador = indic.id_indicador
    and indic_var3.ordem = 3
left join sistema.indicador_x_variavel indic_var4
    on indic_var4.id_indicador = indic.id_indicador
    and indic_var4.ordem = 4
left join sistema.indicador_x_variavel indic_var5
    on indic_var5.id_indicador = indic.id_indicador
    and indic_var5.ordem = 5
left join sistema.indicador_x_variavel indic_var6

```

```

        on indic_var6.id_indicador = indic.id_indicador
        and indic_var6.ordem = 6
    left join sistema.indicador_x_variavel indic_var7
        on indic_var7.id_indicador = indic.id_indicador
        and indic_var7.ordem = 7
    left join sistema.indicador_x_variavel indic_var8
        on indic_var8.id_indicador = indic.id_indicador
        and indic_var8.ordem = 8
    left join sistema.variavel var1
        on var1.id_variavel = indic_var1.id_variavel
    left join sistema.variavel var2
        on var2.id_variavel = indic_var2.id_variavel
    left join sistema.variavel var3
        on var3.id_variavel = indic_var3.id_variavel
    left join sistema.variavel var4
        on var4.id_variavel = indic_var4.id_variavel
    left join sistema.variavel var5
        on var5.id_variavel = indic_var5.id_variavel
    left join sistema.variavel var6
        on var6.id_variavel = indic_var6.id_variavel
    left join sistema.variavel var7
        on var7.id_variavel = indic_var7.id_variavel
    left join sistema.variavel var8
        on var8.id_variavel = indic_var8.id_variavel
    left join sistema.variavel_calc var_calc1
        on indic_var1.id_variavel = var_calc1.id_variavel
        and (var_calc1.data = calc.data           or var_calc1.data is
null)
        and (var_calc1.dimensao = calc.dimensao or var_calc1.dimensao is
null)
        and ((var_calc1.id_territorio = calc.id_territorio
              and var_calc1.id_regiao = calc.id_regiao
              )
              or var1.distribuicao = true
              )
    left join sistema.variavel_calc var_calc2
        on indic_var2.id_variavel = var_calc2.id_variavel
        and (var_calc2.data = calc.data           or var_calc2.data is
null)
        and (var_calc2.dimensao = calc.dimensao or var_calc2.dimensao is
null)
        and ((var_calc2.id_territorio = calc.id_territorio
              and var_calc2.id_regiao = calc.id_regiao
              )
              or var2.distribuicao = true
              )

```

```

left join sistema.variavel_calculo var_calc3
    on          indic_var3.id_variavel = var_calc3.id_variavel
        and (var_calc3.data = calc.data           or var_calc3.data is
null)
            and (var_calc3.dimensao = calc.dimensao or var_calc3.dimensao is
null)
                and ((var_calc3.id_territorio = calc.id_territorio
                    and var_calc3.id_regiao = calc.id_regiao
                )
                    or var3.distribuicao = true
                )
left join sistema.variavel_calculo var_calc4
    on          indic_var4.id_variavel = var_calc4.id_variavel
        and (var_calc4.data = calc.data           or var_calc4.data is
null)
            and (var_calc4.dimensao = calc.dimensao or var_calc4.dimensao is
null)
                and ((var_calc4.id_territorio = calc.id_territorio
                    and var_calc4.id_regiao = calc.id_regiao
                )
                    or var4.distribuicao = true
                )
left join sistema.variavel_calculo var_calc5
    on          indic_var5.id_variavel = var_calc5.id_variavel
        and (var_calc5.data = calc.data           or var_calc5.data is
null)
            and (var_calc5.dimensao = calc.dimensao or var_calc5.dimensao is
null)
                and ((var_calc5.id_territorio = calc.id_territorio
                    and var_calc5.id_regiao = calc.id_regiao
                )
                    or var5.distribuicao = true
                )
left join sistema.variavel_calculo var_calc6
    on          indic_var6.id_variavel = var_calc6.id_variavel
        and (var_calc6.data = calc.data           or var_calc6.data is
null)
            and (var_calc6.dimensao = calc.dimensao or var_calc6.dimensao is
null)
                and ((var_calc6.id_territorio = calc.id_territorio
                    and var_calc6.id_regiao = calc.id_regiao
                )
                    or var6.distribuicao = true
                )
left join sistema.variavel_calculo var_calc7
    on          indic_var7.id_variavel = var_calc7.id_variavel

```

```

        and (var_calc7.data = calc.data           or var_calc7.data is
null)
        and (var_calc7.dimensao = calc.dimensao or var_calc7.dimensao is
null)
        and ((var_calc7.id_teritorio = calc.id_teritorio
              and var_calc7.id_regiao = calc.id_regiao
              )
              or var7.distribuicao = true
              )
left join sistema.variavel_calculo var_calc8
on          indic_var8.id_variavel = var_calc8.id_variavel
and (var_calc8.data = calc.data           or var_calc8.data is
null)
and (var_calc8.dimensao = calc.dimensao or var_calc8.dimensao is
null)
and ((var_calc8.id_teritorio = calc.id_teritorio
      and var_calc8.id_regiao = calc.id_regiao
      )
      or var8.distribuicao = true
      )
where indic.id_indicador = :indicador and calc.valor is not null '
.$comando_where.'
order by indic.nome
,terr.id_teritorio
,reg.nome
,calc.dimensao
,calc.data';

$comando = $pdo->prepare($comando_string);

if(array_key_exists('indicador',$parametros))
    if($parametros['indicador']!=null)
        $comando->bindParam(':indicador',
$parametros['indicador']);
    if(array_key_exists('data_inicio',$parametros))
        if($parametros['data_inicio']!=null)
            $comando-
>bindParam(':data_inicio', $parametros['data_inicio']);

    if(array_key_exists('data_fim',$parametros))
        if($parametros['data_fim']!=null)
            $comando->bindParam(':data_fim', $parametros['data_fim']);

    if(array_key_exists('data',$parametros))
        if($parametros['data']!=null)
            $comando->bindParam(':data', $parametros['data']);

```

```

        if(array_key_exists('id_regiao',$parametros))
            if($parametros['id_regiao']!=null)
                $comando->bindParam(':id_regiao',
$parametros['id_regiao']);

        if(array_key_exists('id_territorio',$parametros))
            if($parametros['id_territorio']!=null)
                $comando->bindParam(':id_territorio',
$parametros['id_territorio']);

        if(!$comando->execute()){
            $erro = $comando->errorInfo();
            return $erro[2];
        } else {
            $dados['dados'] = $comando->fetchAll(PDO::FETCH_ASSOC);
        }

        $comando_string = 'select count(id_variavel) as qtd_variavel
from sistema.indicador_x_variavel where id_indicador = :indicador';

        $comando = $pdo->prepare($comando_string);

        if(array_key_exists('indicador',$parametros))
            if($parametros['indicador']!=null)
                $comando->bindParam(':indicador',
$parametros['indicador']);

        if(!$comando->execute()){
            $erro = $comando->errorInfo();
            return $erro[2];
        } else {
            $dados['qtd_variavel'] = $comando-
>fetchAll(PDO::FETCH_ASSOC)[0]['qtd_variavel'];
        }

        $response = new WP_REST_Response( $dados );
        return $response;
    }

function dado_aberto(WP_REST_Request $request){
    global $DbConfig;
    try {
        $pdo = new
PDO('pgsql:host=' . $DbConfig['host'] .';port=' . $DbConfig['port'] .';user=' . $DbConfig

```

```

['user'].';dbname='.$DbConfig['dbname'].';password='.$DbConfig['password']);
} catch (PDOException $e) {
    die("Conexão ao banco de dados falhou: " . $e->getMessage());
}

$parametros = $request->get_params();

$comando_string =
"select * from sistema.fonte_dados where id_fonte_dados
= :fonte_dados;";

$comando = $pdo->prepare($comando_string);

if(array_key_exists('fonte_dados',$parametros))
{
    $comando->bindParam(':fonte_dados',$parametros['fonte_dados']);
}

if(!$comando->execute()){
    $erro = $comando->errorInfo();
    return $erro[2];
} else {
    $dados = $comando->fetchAll(PDO::FETCH_ASSOC);
}

$comando_string =
"select * from fonte_dados.vw_". $dados[0]['nome_tabela']."' ;";

$comando = $pdo->prepare($comando_string);

if(!$comando->execute()){
    $erro = $comando->errorInfo();
    return $erro[2];
} else {
    $dados = $comando->fetchAll(PDO::FETCH_ASSOC);
}

$response = new WP_REST_Response( $dados );
return $response;
}

function fontes_dados(WP_REST_Request $request){
$parametros = $request->get_params();

wp_verify_nonce( $_SERVER['X-WP-Nonce'], "wp_rest" );

```

```

global $DbConfig;
try {
    $pdo = new
PDO('pgsql:host=' . $DbConfig['host'] . ';' . 'port=' . $DbConfig['port'] . ';' . 'user=' . $DbConfig
['user'] . ';' . 'dbname=' . $DbConfig['dbname'] . ';' . 'password=' . $DbConfig['password']);
} catch (PDOException $e) {
    die("Conexão ao banco de dados falhou: " . $e->getMessage());
}

$comando_where = ' where 1 = 1';

if(array_key_exists('fonte_dados',$parametros))
{
    $comando_where = $comando_where." and fonte.id_fonte_dados
= :fonte_dados ";
}else{
    $comando_where = $comando_where."";
}

if(array_key_exists('ativa',$parametros))
{
    $comando_where = $comando_where." and fonte.ativa = true ";
}else{
    $comando_where = $comando_where."";
}

if(array_key_exists('link',$parametros))
{
    $comando_where = $comando_where." and link is not null ";
}else{
    $comando_where = $comando_where."";
}

$role = '';
$usuario = wp_get_current_user();
foreach($usuario->roles as $role) {
    if(strtowlower($role) == 'mantenedor' && $role != 'administrator')
        $role = 'mantenedor';
    else
        if(strtowlower($role) == 'administrator')
            $role = 'administrator';
}

if($role == 'mantenedor')
{

```

```

        $comando_where = $comando_where." and id_usuario_mantenedor =
:id_usuario";
    }else{
        $comando_where = $comando_where."";
    }

        //colocar parametro do link
        $comando_string = "select
fonte.*,
json_agg(col.column_name) as colunas
,json_agg(distinct tipo_territorio) filter (where tipo_territorio is not null)
as tipos_territorio
,json_agg(distinct fonte_exclusao.coluna) filter (where fonte_exclusao.coluna is
not null) as colunas_exclusao
from sistema.fonte_dados fonte
left join information_schema.columns col
    on col.table_name = fonte.nome_tabela
left join sistema.fonte_dados_exclusao_coluna fonte_exclusao on
    fonte_exclusao.id_fonte_dados = fonte.id_fonte_dados and
    col.column_name = fonte_exclusao.coluna
left join sistema.coluna tip_terr
    on tip_terr.id_fonte_dados = fonte.id_fonte_dados
    and tip_terr.nome = col.column_name
    and tip_terr.tipo_territorio is not null
    ".$comando_where."
group by
fonte.id_fonte_dados
,fonte.data_carga
,fonte.nome
,fonte.ativa
,fonte.delimitador
,fonte.diretorio
,fonte.formato_arquivo
,fonte.nome_tabela
,fonte.linha_cabecalho
,fonte.data_inicial
,fonte.data_final
,fonte.tipo
,fonte.periodicidade
,fonte.origem
,fonte.data_atualizacao";

$comando = $pdo->prepare($comando_string);

if(array_key_exists('fonte_dados',$parametros))

```

```

$comando->bindParam(':fonte_dados',$parametros['fonte_dados']);

if($role == 'mantenedor')
    $comando->bindParam(':id_usuario',$usuario->ID);

if(!$comando->execute()){
    $erro = $comando->errorInfo();
    return $erro[2];
} else {
    $dados = $comando->fetchAll(PDO::FETCH_ASSOC);
    foreach($dados as &$linha){
        $linha['colunas'] = json_decode($linha['colunas']);
        $linha['colunas_exclusao'] =
            json_decode($linha['colunas_exclusao']);
        $linha['tipos_territorio'] =
            json_decode($linha['tipos_territorio']);
    }
}

$response = new WP_REST_Response( $dados );
return $response;
}

function instrumentos(WP_REST_Request $request){
    $parametros = $request->get_params();
    global $DbConfig;
    try {
        $pdo = new
            PDO('pgsql:host=' . $DbConfig['host'] .';port=' . $DbConfig['port'] .';user=' . $DbConfig
            ['user'] .';dbname=' . $DbConfig['dbname'] .';password=' . $DbConfig['password']);
    } catch (PDOException $e) {
        die("Conexão ao banco de dados falhou: " . $e->getMessage());
    }

    $comando_string =
        "select id_grupo_indicador, nome from sistema.grupo_indicador where tipo
        = 'instrumento'";
    $comando = $pdo->prepare($comando_string);

    if(!$comando->execute()){
        $erro = $comando->errorInfo();
        return $erro[2];
    } else {
        $dados = $comando->fetchAll(PDO::FETCH_ASSOC);
    }

    $response = new WP_REST_Response( $dados );
}

```

```

        return $response;
    }

    function indicador_fusao(WP_REST_Request $request){
        $parametros = $request->get_params();
        global $DbConfig;
        try {
            $pdo = new
PDO('pgsql:host=' . $DbConfig['host'] .';port=' . $DbConfig['port'] .';user=' . $DbConfig
['user'] .';dbname=' . $DbConfig['dbname'] .';password=' . $DbConfig['password']);
        } catch (PDOException $e) {
            die("Conexão ao banco de dados falhou: " . $e->getMessage());
        }

        if(array_key_exists('id_indicador',$parametros))
        {
            $comando_where = $comando_where." where id_indicador_pai
= :id_indicador ";
        }else{
            $comando_where = $comando_where."";
        }

        $comando_string =
            select
            id_indicador_pai
            ,indic_pai.nome as nome_indicador_pai

            ,json_agg(json_build_object('id_indicador_filho',id_indicador_filho,'nome
_indicador_filho',indic_filho.nome,'dimensao',dimensao)) as composicao
            from sistema.indicador_composicao comp
            inner join sistema.indicador indic_pai
            on indic_pai.id_indicador = comp.id_indicador_pai
            inner join sistema.indicador indic_filho
            on indic_filho.id_indicador =
comp.id_indicador_filho
            ".$comando_where."
            group by
            id_indicador_pai
            ,indic_pai.nome";
    }

    $comando = $pdo->prepare($comando_string);

    if(array_key_exists('id_indicador',$parametros))
        $comando->bindParam(':id_indicador',$parametros['id_indicador']);

    if(!$comando->execute()){
        $erro = $comando->errorInfo();
    }
}

```

```

        return $erro[2];
    } else {
        $dados = $comando->fetchAll(PDO::FETCH_ASSOC);
        foreach($dados as &$linha){
            $linha['composicao'] = json_decode($linha['composicao']);
        }
    }

    $response = new WP_REST_Response( $dados );
    return $response;
}

function fonte_dados_coluna(WP_REST_Request $request){
    $parametros = $request->get_params();
    global $DbConfig;
    try {
        $pdo = new
PDO('pgsql:host=' . $DbConfig['host'] .';port=' . $DbConfig['port'] .';user=' . $DbConfig
['user'] .';dbname=' . $DbConfig['dbname'] .';password=' . $DbConfig['password']);
    } catch (PDOException $e) {
        die("Conexão ao banco de dados falhou: " . $e->getMessage());
    }

    $fonte_dados = $parametros['id_fonte_dados'];

    $comando_string =
        select
        id_coluna
        ,id_fonte_dados
        ,tipo
        ,nome
        ,formato
        ,id_territorio
        ,tipo_territorio
        from sistema.coluna where id_fonte_dados = :id_fonte_dados";
    $comando = $pdo->prepare($comando_string);
    if(array_key_exists('id_fonte_dados',$parametros))
        $comando-
>bindParam(':id_fonte_dados',$parametros['id_fonte_dados']);

    if(!$comando->execute()){
        $erro = $comando->errorInfo();
        return $erro[2];
    } else {
        $dados = $comando->fetchAll(PDO::FETCH_ASSOC);
    }
}

```

```

        $response = new WP_REST_Response( $dados );
        return $response;
    }

    function variavel_filtro(WP_REST_Request $request){
        $parametros = $request->get_params();
        global $DbConfig;
        try {
            $pdo = new
PDO('pgsql:host='.$DbConfig['host'].';port='.$DbConfig['port'].';user='.$DbConfig
['user'].';dbname='.$DbConfig['dbname'].';password='.$DbConfig['password']);
        } catch (PDOException $e) {
            die("Conexão ao banco de dados falhou: " . $e->getMessage());
        }

        $variavel = $parametros['variavel'];

        $comando_string =
        select
        id_filtro
        ,id_variavel
        ,coluna
        ,valor
        ,operador_comparador
        ,ordem
        ,aninhamento
        ,trim(both from operador_logico) as
        operador_logico ,excluir_regiao_raiz
        from sistema.variavel_filtro where id_variavel =
        :variavel"; $comando = $pdo->prepare($comando_string);
        if(array_key_exists('variavel',$parametros))
            $comando->bindParam(':variavel',$parametros['variavel']);

        if(!$comando->execute()){
            $erro = $comando->errorInfo();
            return $erro[2];
        } else {
            $dados = $comando->fetchAll(PDO::FETCH_ASSOC);
        }

        $response = new WP_REST_Response( $dados );
        return $response;
    }

    function indicador_composicao(WP_REST_Request
        $request){ $parametros = $request->get_params();
        global $DbConfig;
        try {

```

```

        $pdo = new
PDO('pgsql:host=' . $DbConfig['host'] .';port=' . $DbConfig['port'] .';user=' . $DbConfig
['user'] .';dbname=' . $DbConfig['dbname'] .';password=' . $DbConfig['password']);
    } catch (PDOException $e) {
        die("Conexão ao banco de dados falhou: " . $e->getMessage());
    }

    $comando_string =
        select ind.* from sistema.indicador_x_variavel ind
        where id_indicador = :indicador";
$comando = $pdo->prepare($comando_string);
    if(array_key_exists('indicador',$parametros))
        $comando->bindParam(':indicador',$parametros['indicador']);

    if(!$comando->execute()){
        $erro = $comando->errorInfo();
        return $erro[2];
    } else {
        $dados = $comando->fetchAll(PDO::FETCH_ASSOC);
    }

    $response = new WP_REST_Response( $dados );
    return $response;
}

function territorios(WP_REST_Request $request){
    $parametros = $request->get_params();
    global $DbConfig;
    try {
        $pdo = new
PDO('pgsql:host=' . $DbConfig['host'] .';port=' . $DbConfig['port'] .';user=' . $DbConfig
['user'] .';dbname=' . $DbConfig['dbname'] .';password=' . $DbConfig['password']);
    } catch (PDOException $e) {
        die("Conexão ao banco de dados falhou: " . $e->getMessage());
    }

    $comando_string =
        select id_territorio,
                nome,
                hierarquia,
                id_territorio_pai,
                data_referencia,
                data_carga
        from fonte_dados.territorio";
$comando = $pdo->prepare($comando_string);

    if(!$comando->execute()){

```

```

        $erro = $comando->errorInfo();
        return $erro[2];
    } else {
        $dados = $comando->fetchAll(PDO::FETCH_ASSOC);
    }

    $response = new WP_REST_Response( $dados );
    return $response;
}

function grupo_indicador(WP_REST_Request $request){
    $parametros = $request->get_params();
    global $DbConfig;
    try {
        $pdo = new
PDO('pgsql:host='.$DbConfig['host'].';port='.$DbConfig['port'].';user='.$DbConfig
['user'].';dbname='.$DbConfig['dbname'].';password='.$DbConfig['password']);
    } catch (PDOException $e) {
        die("Conexão ao banco de dados falhou: " . $e->getMessage());
    }

    if(array_key_exists('grupo',$parametros))
        if($parametros['grupo'] != '')
            $comando_where = " and grp.id_grupo_indicador = :grupo";

    if(array_key_exists('tipo',$parametros))
        if($parametros['tipo'] != '')
            $comando_where = $comando_where." and grp.tipo = :tipo";

    if(array_key_exists('tipo_retorno',$parametros))
        if($parametros['tipo_retorno'] != '')
            if($parametros['tipo_retorno'] == 'array')
                $comando_propriedades =
"json_agg(json_build_object('chave',prop.chave,'valor',prop.valor,'ordem',prop.or
dem) order by prop.ordem)";
            if($parametros['tipo_retorno'] == 'object')
                $comando_propriedades =
"json_object_agg(coalesce(prop.chave,'null'),prop.valor)";

    $comando_string =
select grp.id_grupo_indicador, nome, ".$comando_propriedades." as propriedades
from sistema.grupo_indicador grp
left join sistema.grupo_propriedade prop on grp.id_grupo_indicador =
prop.id_grupo_indicador
where 1=1 ".$comando_where.
" group by grp.id_grupo_indicador,grp.nome
order by grp.id_grupo_indicador";
}

```

```

$comando = $pdo->prepare($comando_string);

    if(array_key_exists('grupo',$parametros))
        if($parametros['grupo'] != '')
            $comando->bindParam(':grupo',$parametros['grupo']);

    if(array_key_exists('tipo',$parametros))
        if($parametros['tipo'] != '')
            $comando->bindParam(':tipo',$parametros['tipo']);

    if(!$comando->execute()){
        $erro = $comando->errorInfo();
        return $erro[2];
    } else {
        $dados = $comando->fetchAll(PDO::FETCH_ASSOC);
    }
    foreach($dados as &$linha){
        $linha['propriedades'] =
        json_decode($linha['propriedades']);
    }

    $response = new WP_REST_Response( count($dados)==1? $dados[0]:$dados );
    return $response;
}

function acoes_prioritarias(WP_REST_Request $request){
    $parametros = $request->get_params();
    global $DbConfig;
    try {
        $pdo = new
        PDO('pgsql:host=' . $DbConfig['host'] .';port=' . $DbConfig['port'] .';user=' . $DbConfig
        ['user'] .';dbname=' . $DbConfig['dbname'] .';password=' . $DbConfig['password']);
    } catch (PDOException $e) {
        die("Conexão ao banco de dados falhou: " . $e->getMessage());
    }

    $comando_string = "select * from fonte_dados.acoes_prioritarias where 1 =
1";

    if(array_key_exists('categoria',$parametros))
        if($parametros['categoria'] != '')
            $comando_string = $comando_string.' and categoria =
:categoria';

    if(array_key_exists('estrategia',$parametros))

```

```

        if($parametros['estrategia'] != '')
            $comando_string = $comando_string.' and
objetivo_relacionado = :estrategia';

        if(array_key_exists('andamento',$parametros))
            if($parametros['andamento'] != '')
                $comando_string = $comando_string.' and andamento =
:andamento';

        if(array_key_exists('artigo',$parametros))
            if($parametros['artigo'] != '')
                $comando_string = $comando_string.' and artigo = :artigo';

        if(array_key_exists('tema',$parametros))
            if($parametros['tema'] != '')
                $comando_string = $comando_string.' and tema = :tema';

$comando = $pdo->prepare($comando_string);

        if(array_key_exists('andamento',$parametros))
            if($parametros['andamento'] != '')
                $comando->bindParam(':andamento',$parametros['andamento']);

        if(array_key_exists('estrategia',$parametros))
            if($parametros['estrategia'] != '')
                $comando-
>bindParam(':estrategia',$parametros['estrategia']);

        if(array_key_exists('categoria',$parametros))
            if($parametros['categoria'] != '')
                $comando->bindParam(':categoria',$parametros['categoria']);

        if(array_key_exists('artigo',$parametros))
            if($parametros['artigo'] != '')
                $comando->bindParam(':artigo',$parametros['artigo']);

        if(array_key_exists('tema',$parametros))
            if($parametros['tema'] != '')
                $comando->bindParam(':tema',$parametros['tema']);

if(!$comando->execute()){
    $erro = $comando->errorInfo();
    return $erro[2];
} else {
    $dados = $comando->fetchAll(PDO::FETCH_ASSOC);
}

```

```

        $response = new WP_REST_Response( $dados );
        return $response;
    }

    function indicador_historico(WP_REST_Request $request){
        $parametros = $request->get_params();
        global $DbConfig;
        try {
            $pdo = new
                PDO('pgsql:host=' . $DbConfig['host'] .';port=' . $DbConfig['port'] .';user=' . $DbConfig
                ['user'] .';dbname=' . $DbConfig['dbname'] .';password=' . $DbConfig['password']);
        } catch (PDOException $e) {
            die("Conexão ao banco de dados falhou: " . $e->getMessage());
        }

        $comando_string =
            "select comb.dimensao as name
             ,json_agg(case when lower(indic.tipo_valor) =
                            'percentual' then calc.valor * 100
                            else calc.valor
                            end order by comb.data asc) as data
            from sistema.indicador_calculo calc
            inner join fonte_dados.regiao reg on reg.id_territorio =
            calc.id_territorio and reg.id_regiao = calc.id_regiao and calc.id_territorio =
            :territorio and calc.id_regiao = :regiao
            inner join sistema.indicador indic on indic.id_indicador
            = calc.id_indicador and indic.id_indicador = :indicador
            right join
            (select distinct data
             ,dimen as dimensao
            from sistema.indicador_calculo
            cross join
            (select distinct coalesce(calc.dimensao,reg.nome) as dimen
            from sistema.indicador_calculo calc inner join fonte_dados.regiao reg on
            reg.id_regiao = calc.id_regiao and calc.id_territorio = reg.id_territorio and
            calc.id_territorio = :territorio and calc.id_regiao = :regiao where
            id_indicador = :indicador) dim
            where id_indicador = :indicador
            order by dimen
             ,data
            ) comb on comb.data = calc.data and comb.dimensao
            = coalesce(calc.dimensao,reg.nome)
            where comb.data between :dataMinima and
            :dataMaxima group by comb.dimensao";

        $comando = $pdo->prepare($comando_string);

```

```

$comando->bindParam(':dataMinima', $parametros['dataMinima']);
$comando->bindParam(':dataMaxima', $parametros['dataMaxima']);
$comando->bindParam(':indicador', $parametros['indicador']);
$comando->bindParam(':territorio', $parametros['territorio']);
$comando->bindParam(':regiao', $parametros['regiao']);

$dados = [];
if (!$comando->execute()) {
    $erro = $comando->errorInfo();
    return $erro[2];
} else {
    $dados_calculo = $comando->fetchAll(PDO::FETCH_ASSOC);
    foreach($dados_calculo as &$linha){
        $linha['data'] = json_decode($linha['data']);
    }
    $dados['series'] = $dados_calculo;
}

$response = new WP_REST_Response( $dados );
return $response;

}

function variavel_historico(WP_REST_Request $request){
    $parametros = $request->get_params();
    global $DbConfig;
    try {
        $pdo = new
PDO('pgsql:host=' . $DbConfig['host'] .';port=' . $DbConfig['port'] .';user=' . $DbConfig
['user'] .';dbname=' . $DbConfig['dbname'] .';password=' . $DbConfig['password']);
    } catch (PDOException $e) {
        die("Conexão ao banco de dados falhou: " . $e->getMessage());
    }

    $comando_string =
"select v.nome, v.distribuicao, v.tipo_valor,
calc.* from sistema.variavel_calculo calc inner
join sistema.variavel v
    on v.id_variavel = calc.id_variavel
inner join sistema.indicador_x_variavel ind_var
    on      ind_var.id_variavel = v.id_variavel
           and ind_var.id_indicador = :indicador
inner join sistema.indicador ind on
    ind.id_indicador = ind_var.id_indicador

where calc.id_territorio = :territorio or (calc.id_regiao is null and

```

```

v.distribuicao = true)
    order by ind_var.ordem";

$comando = $pdo->prepare($comando_string);

$comando->bindParam(':indicador', $parametros['indicador']);
$comando->bindParam(':territorio', $parametros['territorio']);

$dados = [];
if (!$comando->execute()) {
    $erro = $comando->errorInfo();
    return $erro[2];
} else {
    $dados = $comando->fetchAll(PDO::FETCH_ASSOC);
}

$response = new WP_REST_Response( $dados );
return $response;

}

function variavel_cadastro(WP_REST_Request
$request){ $parametros = $request-
>get_params(); global $DbConfig;
try {
    $pdo = new
PDO('pgsql:host=' . $DbConfig['host'] .';port=' . $DbConfig['port'] .';user=' . $DbConfig
['user'] .';dbname=' . $DbConfig['dbname'] .';password=' . $DbConfig['password']);
} catch (PDOException $e) {
    die("Conexão ao banco de dados falhou: " . $e->getMessage());
}

$comando_where = ' where 1 = 1';

if(array_key_exists('variavel',$parametros))
{
    $comando_where = $comando_where." and var.id_variavel = :variavel
";
}
else{
    $comando_where = $comando_where."";
}

$comando_string =
"select * from sistema.variavel".$comando_where;
$comando = $pdo->prepare($comando_string);

```

```

if(array_key_exists('variavel',$parametros))
    $comando->bindParam(':variavel',$parametros['variavel']);

if(!$comando->execute()){
    $erro = $comando->errorInfo();
    return $erro[2];
} else {
    $dados = $comando->fetchAll(PDO::FETCH_ASSOC);
}

$response = new WP_REST_Response( count($dados)==1? $dados[0]:$dados );
return $response;
}

function indicador_cadastro(WP_REST_Request $request){
    $parametros = $request->get_params();
    global $DbConfig;
    try {
        $pdo = new
            PDO('pgsql:host=' . $DbConfig['host'] .';port=' . $DbConfig['port'] .';user=' . $DbConfig
            ['user'] .';dbname=' . $DbConfig['dbname'] .';password=' . $DbConfig['password']);
    } catch (PDOException $e) {
        die("Conexão ao banco de dados falhou: " . $e->getMessage());
    }

    $comando_where = ' where 1 = 1 ';

    if(array_key_exists('somente_ativos',$parametros))
        $comando_where = $comando_where.' and indicativo = true ';

    if(array_key_exists('indicador',$parametros))
    {
        $comando_where = $comando_where." and indic.id_indicador =
:indicador ";
    }else{
        $comando_where = $comando_where."";
    }

    if(array_key_exists('grupo_indicador',$parametros))
    {
        $comando_where = $comando_where." and indic.id_indicador
in (select distinct id_indicador from sistema.indicador_x_grupo where
id_grupo_indicador = :grupo_indicador)";
    }
}

```

```

$comando_string =
    "select indic.id_indicador as id_indicador
        ,indic.nome
        ,indic.ativo
        ,indic.homologacao
        ,indic.periodicidade
        ,indic.tipo_valor
        ,indic.simbolo_valor
        ,indic.nota_tecnica
        ,indic.nota_tecnica_resumida
        ,indic.apresentacao
        ,indic.fonte as origem
        ,indic.id_territorio_padrao
        ,indic.observacao
        ,indic.tipo_valor
        ,indic.fonte
        ,max(case when grupo.tipo = 'instrumento' then
grupo.nome else null end) as instrumento
        ,max(case when grupo.tipo = 'instrumento'
then grupo.id_grupo_indicador else null end) as id_instrumento
        ,max(case when grupo.tipo = 'instrumento' then
grupo.ordem else null end) as ordem_instrumento
        ,fonte_var.formula_calculo || case when indic.tipo_valor =
'Percentual' then ' * 100' else '' end as formula_calculo
        ,json_agg(distinct case when grupo.tipo = 'estrategia' then
jsonb_build_object('id_grupo_indicador',grupo.id_grupo_indicador,'nome',grupo.nom
e,'ordem',grupo.ordem) else null end ) FILTER (WHERE grupo.tipo = 'estrategia') as
estrategias
        ,json_agg(distinct case when grupo.tipo = 'estrategia' then
grupo.id_grupo_indicador else null end ) FILTER (WHERE grupo.tipo =
'estrategia') as id_estrategia
        ,fonte_var.data_atualizacao
        ,json_agg(distinct calc.data order by calc.data desc)
FILTER (WHERE (calc.data >= indic.data_inicio or indic.data_inicio is null)
and (calc.data <= indic.data_fim or indic.data_fim is null)) as datas
        ,json_agg(distinct cast(row_to_json(ter) as jsonb)) as
territorios
    from sistema.indicador indic
        left join sistema.indicador_calculo calc
            on indic.id_indicador = calc.id_indicador
        left join lateral
            (select indic_var.id_indicador
            ,max(fonte.data_atualizacao) as data_atualizacao
            ,string_agg(coalesce(indic_var.aninhamento,'') ||

```

```

coalesce(var.nome,'') || '' || coalesce('\n (' || indic_var.operador || ')
\n,'') || '', ' ' order by indic_var.ordem) as formula_calculo
        from sistema.indicador_x_variavel indic_var
            left join sistema.variavel var
                on var.id_variavel = indic_var.id_variavel
            left join sistema.fonte_dados fonte
                on var.id_fonte_dados =
fonte.id_fonte_dados group by indic_var.id_indicador
order by indic_var.id_indicador
) fonte_var
        on fonte_var.id_indicador = indic.id_indicador
left join
        (select grp.* , grp_indic.id_indicador , grp_indic.ordem
from sistema.indicador_x_grupo grp_indic
            inner join sistema.grupo_indicador grp
                on grp.id_grupo_indicador =
grp_indic.id_grupo_indicador
            ) grupo
        on grupo.id_indicador = indic.id_indicador
left join (select id_territorio as id_territorio,
                    nome,ordem from fonte_dados.territorio
                    order by ordem) ter
        on ter.id_territorio = calc.id_territorio".
$comando_where.

"      and ter.id_territorio not in (select exc.id_territorio
from sistema.indicador_territorio_exclusao exc where exc.id_indicador =
indic.id_indicador)"
        ." group by indic.id_indicador
                    ,indic.nome
                    ,indic.periodicidade
                    ,indic.tipo_valor
                    ,indic.simbolo_valor
                    ,indic.nota_tecnica
                    ,indic.nota_tecnica_resumida
                    ,indic.apresentacao
                    ,indic(fonte
                    ,fonte_var.data_atualizacao
                    ,fonte_var.formula_calculo
";

```

```

$comando = $pdo->prepare($comando_string);

if(array_key_exists('indicador',$parametros))
    $comando->bindParam(':indicador',$parametros['indicador']);

```

```

        if(array_key_exists('grupo_indicador',$parametros))
            $comando-
>bindParam(':grupo_indicador',$parametros['grupo_indicador']);

        if(!$comando->execute()){
            $erro = $comando->errorInfo();
            return $erro[2];
        } else {
            $dados = $comando->fetchAll(PDO::FETCH_ASSOC);
        }

        foreach($dados as &$linha){
            $linha['datas'] = json_decode($linha['datas']);
            $linha['territorios'] = json_decode($linha['territorios']);
            $linha['estrategias'] = json_decode($linha['estrategias']);
        }

        $response = new WP_REST_Response( count($dados)==1? $dados[0]:$dados );
        return $response;
    }

function indicador_dados( WP_REST_Request $request ) {
    // You can get the combined, merged set of
    parameters: $parametros = $request->get_params();
    global
    $DbConfig; try {
        $pdo = new
        PDO('pgsql:host='.$DbConfig['host'].';port='.$DbConfig['port'].';user='.$DbConfig
        ['user'].';dbname='.$DbConfig['dbname'].';password='.$DbConfig['password']);
    } catch (PDOException $e) {
        die("Conexão ao banco de dados falhou: " . $e->getMessage());
    }

    if(array_key_exists('indicador',$parametros) && array_key_exists('data',
    $parametros) && array_key_exists('territorio',$parametros))
    {

        //esse select abaixo é somente para debug, na interface
        uso somente os dados que puxa pelo cadastro
        $comando = $pdo->prepare(
            select nome
                ,periodicidade
            from sistema.indicador
            where id_indicador = :indicador");
    }
}

```

```

$comando->bindParam(':indicador',$parametros['indicador']);

if(!$comando->execute()){
    $erro = $comando->errorInfo();
    return $erro[2];
} else {
    $dados_indicador = $comando->fetchAll(PDO::FETCH_ASSOC);
    $dados = $dados_indicador[0];
}

if($parametros['data'] == "")
    $parametros['data'] = NULL;

$comando = $pdo->prepare("
    select coalesce(dim.dimensao,'Não categorizado') as name,
           json_agg(coalesce(case when
lower(indic.tipo_valor) = 'percentual'
                                then
calc.valor * 100
                                else
calc.valor
                                end,0) order
by rank_reg.rank asc) as data
    from  fonte_dados.regiao reg
          cross join (select distinct dimensao
                           from
sistema.indicador_calculo
                           where id_indicador =
:indicador) dim
          left join sistema.indicador_calculo calc
                on reg.id_regiao = calc.id_regiao
                and reg.id_territorio =
calc.id_territorio
                and coalesce(calc.dimensao,'') =
coalesce(dim.dimensao,'')
                and calc.data
".(is_null($parametros['data'])?:"is null":'= :data')."
                and calc.id_indicador = :indicador
          left join      (select reg.id_regiao
                           ,rank()
OVER (order by sum(coalesce(valor,0)) desc,reg.nome asc) as rank
                           from fonte_dados.regiao
reg
          left join
sistema.indicador_calculo calc

```

```

        on
reg.id_regiao = calc.id_regiao
        and
reg.id_territorio = calc.id_territorio
        and
calc.data ".(is_null($parametros['data']))?"is null":": :data")."
        and
calc.id_indicador = :indicador
        where reg.id_territorio
= :territorio
        group by reg.id_regiao

,reg.nome) rank_reg
        on rank_reg.id_regiao = reg.id_regiao
left join sistema.indicador indic
        on indic.id_indicador =
calc.id_indicador
        where reg.id_territorio = :territorio
        group by dim.dimensao
        order by name desc;");

$comando->bindParam(':indicador', $parametros['indicador']);
if(!is_null($parametros['data']))
    $comando->bindParam(':data', $parametros['data']);
$comando->bindParam(':territorio', $parametros['territorio']);

if (! $comando->execute()) {
    $erro = $comando->errorInfo();
    return $erro[2];
} else {
    $dados_calculo = $comando->fetchAll(PDO::FETCH_ASSOC);
    foreach($dados_calculo as &$linha){
        $linha['data'] = json_decode($linha['data']);
    }
    $dados['series'] = $dados_calculo;
}

$comando = $pdo->prepare("
    select reg.nome
    from fonte_dados.regiao reg
    left join sistema.indicador_calculo calc
        on reg.id_regiao = calc.id_regiao
        and reg.id_territorio = calc.id_territorio
        and calc.data
".(is_null($parametros['data']))?"is null":": :data ")."
        and calc.id_indicador = :indicador
")

```

```

        where reg.id_territorio = :territorio
        group by reg.id_regiao
                ,reg.nome
        order by sum(coalesce(valor,0)) desc,reg.nome asc");

$comando->bindParam(':indicador', $parametros['indicador']);
if(!is_null($parametros['data']))
    $comando->bindParam(':data', $parametros['data']);
$comando->bindParam(':territorio', $parametros['territorio']);

if(!$comando->execute()){
    $erro = $comando->errorInfo();
    return $erro[2];
} else {
    $dados_categoria = $comando->fetchAll(PDO::FETCH_NUM);
    foreach($dados_categoria as &$linha){
        $linha = $linha[0];
    }
    $dados['categorias'] = $dados_categoria;
}

$comando = $pdo->prepare("
    select reg.id_regiao as codigo
    from fonte_dados.regiao reg
    left join sistema.indicador_calculo calc
        on reg.id_regiao = calc.id_regiao
        and reg.id_territorio = calc.id_territorio
        and calc.data
    ." .(is_null($parametros['data']))?"is null":":= :data "
        and calc.id_indicador = :indicador
    where reg.id_territorio = :territorio
    group by reg.id_regiao
            ,reg.nome
    order by sum(coalesce(valor,0)) desc,reg.nome asc");

$comando->bindParam(':indicador', $parametros['indicador']);
if(!is_null($parametros['data']))
    $comando->bindParam(':data', $parametros['data']);
$comando->bindParam(':territorio', $parametros['territorio']);

if(!$comando->execute()){
    $erro = $comando->errorInfo();
    return $erro[2];
} else {
    $dados_codigo = $comando->fetchAll(PDO::FETCH_NUM);
    foreach($dados_codigo as &$linha){

```

```

        $linha = $linha[0];
    }
    $dados['codigos'] = $dados_codigo;
}

$response = new WP_REST_Response( $dados );
return $response;

}
}

```

View query_indicador

- View:
sistema.query_indicador

```
-- DROP VIEW sistema.query_indicador;
```

```

CREATE OR REPLACE VIEW sistema.query_indicador AS
SELECT COALESCE(comp.id_indicador_pai,
query_indicador.id_indicador) AS id_indicador,
query_indicador.id_territorio,
'insert into sistema.indicador_calculo
(id_indicador,data,id_regiao,dimensao,id_territorio,valor)
':>::text ||'
CASE
WHEN comp.id_indicador_pai IS NOT NULL THEN
(((((' select '::text || comp.id_indicador_pai) ||
',data,id_regiao,':>::text) || COALESCE(''':>::text ||
comp.dimensao) || ''':>::text, 'dimensao':>::text)) ||
',id_territorio,valor from (':>::text) ||
query_indicador.query) || ') query_indicador
':>::text ELSE query_indicador.query
END AS query
FROM sistema.indicador_composicao comp
FULL JOIN ( SELECT i_v.id_indicador,
CASE
WHEN col.cont_terr = 0 AND NOT
c_ant.id_territorio IS NULL OR i_v.id_variavel IS NULL THEN
c_ant.id_territorio
ELSE c.id_territorio
END AS id_territorio,
(((((((((((((((((((((((((((((((
select':>::text || '

```

```

'::text) || i_v.id_indicador) || ' as id_indicador)::text)
|| '
'::text) || ','::text) || 'coalesce('::text) ||
string_agg((cast(v)::text || v.id_variavel) || '.data as
date)::text, ','::text ORDER BY i_v.id_indicador,
i_v.ordem)) || ') as data)::text) || '
'::text) || ','::text) || 'coalesce('::text) ||
string_agg((cast(v)::text || v.id_variavel) || '.id_regiao
as numeric)::text, ','::text ORDER BY i_v.id_indicador,
i_v.ordem)) || ') as id_regiao)::text) || '
'::text) || ','::text) || 'coalesce('::text) ||
string_agg((cast(v)::text || v.id_variavel) || '.dimensao
as text)::text, ','::text ORDER BY i_v.id_indicador,
i_v.ordem)) || ') as dimensao)::text) || '
'::text) || ','::text) ||
CASE
WHEN col.cont_terr = 0 AND NOT
c_ant.id_territorio IS NULL OR i_v.id_variavel IS NULL THEN
c_ant.id_territorio
ELSE c.id_territorio
END) || ' as id_territorio)::text) || '
'::text) || ','::text) ||
CASE
WHEN string_agg(i_v.operador, ' '::text
ORDER BY i_v.id_indicador, i_v.ordem) ~~ '%/%'::text THEN
(' case when '::text || string_agg(
CASE
WHEN i_v_ant.operador = '/'::text
THEN COALESCE((cast(coalesce(v)::text || v.id_variavel) ||
'.valor,0) as numeric) '::text, ''::text)
ELSE ''::text
END, ' '::text ORDER BY
i_v.id_indicador, i_v.ordem)) || '= 0 then 0 else '::text
ELSE ''::text
END) || 'round(')::text) ||
string_agg((COALESCE(i_v.aninhamento, ''::text) ||
COALESCE((cast(coalesce(v)::text || v.id_variavel) ||
'.valor,0) as numeric) '::text, ''::text)) ||
COALESCE(i_v.operador, ''::text), ' '::text ORDER BY
i_v.id_indicador, i_v.ordem)) || ',4) '::text) ||
CASE
WHEN string_agg(i_v.operador, ' '::text
ORDER BY i_v.id_indicador, i_v.ordem) ~~ '%/%'::text THEN
end '::text
ELSE ''::text
END) || ' as valor '::text) || '

```

```

'::text) || ' from '::text) || '
'::text) || string_agg((((
CASE
    WHEN i_v.rank > 1 AND NOT
(v.coluna_data IS NULL AND v.coluna_dimensao IS NULL
AND v.distribuicao = true) THEN ('(
'::text || v.tipo_cruzamento) || ' join '::text) || '
'::text
    WHEN v.coluna_data IS NULL AND
v.coluna_dimensao IS NULL AND v.distribuicao = true THEN '
cross join '::text
    ELSE ''::text
END || '('::text) || c.query) || ')
v'::text) ||
CASE
    WHEN i_v.rank_variavel > 1 THEN
NULL::integer
    ELSE v.id_variavel
END) ||
CASE
    WHEN i_v.rank > 1 AND NOT
(v.coluna_data IS NULL AND v.coluna_dimensao IS NULL
AND v.distribuicao = true) THEN ((((''::text || ' on
'::text) ||
CASE
    WHEN v.distribuicao = false THEN
((((v'::text || v_ant.id_variavel) || '.id_regiao =
'::text) || 'v'::text) || v.id_variavel) || '.id_regiao
'::text
    ELSE ''::text
END) ||
CASE
    WHEN v.distribuicao = false AND
v.coluna_data IS NOT NULL AND v_ant.coluna_data IS NOT NULL
THEN ' and '::text
    ELSE ''::text
END) ||
CASE
    WHEN v.coluna_data IS NOT NULL AND
v_ant.coluna_data IS NOT NULL THEN (((('v'::text ||
v_ant.id_variavel) || '.data = '::text) || 'v'::text) || '
v.id_variavel) || '.data '::text
    ELSE ''::text
END) ||
CASE
    WHEN (v.distribuicao = false OR

```

```

v.coluna_data IS NOT NULL AND v_ant.coluna_data IS NOT
NULL) AND v.coluna_dimensao IS NOT NULL AND NOT
((v.desabilitar_dim_raiz = true OR v.desabilitar_dim_raiz =
true) AND c.id_territorio =
sistema.territorio_raiz(c.id_territorio)) THEN ' and
'::text
        ELSE ''::text
    END) ||
CASE
        WHEN v.coluna_dimensao IS NOT NULL
AND NOT ((v.desabilitar_dim_raiz = true OR
v.desabilitar_dim_raiz = true) AND c.id_territorio
= sistema.territorio_raiz(c.id_territorio)) THEN
((((v)::text || v_ant.id_variavel) || '.dimensao =
'::text) || 'v'::text) || v.id_variavel) || '.dimensao
'::text
        ELSE ''::text
    END
        ELSE ''::text
    END,
    ''::text ORDER BY i_v.id_indicador,
i_v.rank) || '
'::text) || ' order by '::text) || '
'::text) || ' id_regiao'::text) || '
'::text) || ' ,data'::text) || '
'::text) || ' ,dimensao'::text AS query
        FROM ( SELECT rank() OVER (PARTITION BY
indicador_x_variavel.id_indicador ORDER BY
indicador_x_variavel.ordem) AS rank,
                    rank() OVER (PARTITION BY
indicador_x_variavel.id_indicador,
indicador_x_variavel.id_variavel ORDER BY
indicador_x_variavel.ordem) AS rank_variavel,
                    indicador_x_variavel.id_indicador,
                    indicador_x_variavel.id_variavel,
                    indicador_x_variavel.operador,
                    indicador_x_variavel.ordem,
                    indicador_x_variavel.aninhamento
                    FROM sistema.indicador_x_variavel) i_v
        LEFT JOIN sistema.query_variavel c ON
c.id_variavel = i_v.id_variavel
                LEFT JOIN sistema.variavel v ON v.id_variavel
= i_v.id_variavel
                LEFT JOIN ( SELECT rank() OVER (PARTITION
BY indicador_x_variavel.id_indicador ORDER BY
indicador_x_variavel.ordem) AS rank,
                    indicador_x_variavel.id_indicador,

```

```

        indicador_x_variavel.id_variavel,
        indicador_x_variavel.operador,
        indicador_x_variavel.ordem,
        indicador_x_variavel.aninhamento
    FROM sistema.indicador_x_variavel)
i_v_ant ON i_v_ant.id_indicador = i_v.id_indicador
AND i_v.rank = (i_v_ant.rank + 1)
        LEFT JOIN sistema.variavel v_ant ON
v_ant.id_variavel = i_v_ant.id_variavel
        LEFT JOIN ( SELECT
COALESCE(coluna.id_fonte_dados, f.id_fonte_dados) AS
id_fonte_dados,
                count(coluna.id_territorio) AS
cont_terr
        FROM sistema.coluna
        FULL JOIN sistema.fonte_dados f ON
f.id_fonte_dados = coluna.id_fonte_dados
                GROUP BY (COALESCE(coluna.id_fonte_dados,
f.id_fonte_dados))) col ON v.id_fonte_dados =
col.id_fonte_dados
        LEFT JOIN sistema.query_variavel c_ant ON
c_ant.id_variavel = v_ant.id_variavel AND (col.cont_terr =
0 OR i_v.id_variavel IS NULL)
        GROUP BY i_v.id_indicador, (
CASE
        WHEN col.cont_terr = 0 AND NOT
c_ant.id_territorio IS NULL OR i_v.id_variavel IS NULL THEN
c_ant.id_territorio
        ELSE c.id_territorio
END)
        ORDER BY i_v.id_indicador) query_indicador ON
query_indicador.id_indicador = comp.id_indicador_filho;

ALTER TABLE sistema.query_indicador
OWNER TO postgres;

```

View query_variavel

```
-- View:
sistema.query_variavel
```

```
-- DROP VIEW sistema.query_variavel;
```

```

CREATE OR REPLACE VIEW sistema.query_variavel AS
SELECT DISTINCT h.id_territorio,
    v.id_variavel,
    ((((
        CASE
            WHEN v.acumulativa THEN (((((((('select
            cast(date_trunc(''::text ||
                CASE
                    WHEN v.periodicidade = 'mensal'::text THEN
                        '''month'''::text
                    WHEN v.periodicidade = 'anual'::text THEN
                        '''year'''::text
                    WHEN v.periodicidade = 'trimestral'::text
                        THEN '''quarter'''::text
                    ELSE ''::text
                END) || ',tempo.data) as date) as data
            ,cast(tempo.id_regiao as numeric) as id_regiao
            ,tempo.dimensao
            ,''::text) || v.id_variavel) || ' as id_variavel
            ,''::text) || campos.campo_territorio) || ' as id_territorio
            ,sum(valor) OVER (PARTITION BY
                tempo.id_regiao,tempo.dimensao,'::text) ||
            campos.campo_territorio) || ' ORDER BY tempo.data ) as valor
        from ('::text
            ELSE ''::text
        END ||
        (((((((((((((((((((((((((((('select
            '::text || '
            '::text) || campos.campo_data) || ' as data '::text) || '
            '::text) || ','::text) || campos.campo_regiao) || ' as
            id_regiao '::text) || '
            '::text) || ','::text) || campos.campo_dimensao) || ' as
            dimensao)::text) || ','::text) || v.id_variavel)::text) || '
            as id_variavel '::text) || '
            '::text) || ','::text) || campos.campo_territorio) || ' as
            id_territorio)::text) || '
            '::text) || ','::text) ||
            sistema.oper_agg(v.operacao_agregacao)) || '('::text) ||
            COALESCE(sistema.num_format(v.coluna_valor,
            d.nome_tabela), '*'::text)) || ')'::text) || ' as
            valor)::text) || ' '::text) || 'from fonte_dados.'::text)
            || quote_ident(d.nome_tabela)) || ' f'::text) || '
            '::text) || campos.join_hierarquia) || COALESCE(
            '::text || f."where", ''::text)) || '
            '::text) || 'group by '::text) ||
        CASE

```

```

        WHEN campos.campo_regiao <> 'null'::text THEN
campos.campo_regiao
            ELSE ' id_regiao '::text
        END) || '
'::text) || '           ,)::text) ||
CASE
        WHEN campos.campo_data <> 'null'::text THEN
campos.campo_data
            ELSE ' data '::text
        END) || '
'::text) || '           ,)::text) ||
CASE
        WHEN campos.campo_dimensao <> 'null'::text THEN
campos.campo_dimensao
            ELSE ' dimensao '::text
        END) || '
'::text) || 'order by '::text) ||
CASE
        WHEN campos.campo_regiao <> 'null'::text THEN
campos.campo_regiao
            ELSE ' id_regiao '::text
        END) || '
'::text) || '           ,)::text) ||
CASE
        WHEN campos.campo_data <> 'null'::text THEN
campos.campo_data
            ELSE ' data '::text
        END) || '
'::text)) || '           ,)::text) ||
CASE
        WHEN campos.campo_dimensao <> 'null'::text
THEN campos.campo_dimensao
            ELSE ' dimensao '::text
        END) ||
CASE
        WHEN v.acumulativa THEN ((((((((((((('
var right join
(select
    base.id_regiao
    ,base.dimensao
    ,generate_series (min('::text || campos.campo_data)
|| ')
        , max('::text) ||
campos.campo_data) || ')
        , interval ''1 '::text) ||
CASE

```

```

                WHEN v.periodicidade = 'mensal'::text THEN
'month'::text
                WHEN v.periodicidade = 'anual'::text THEN
'year'::text
                WHEN v.periodicidade = 'trimestral'::text
THEN 'quarter'::text
                ELSE ''::text
            END) || '')::date AS data
        from fonte_dados.'::text) ||
quote_ident(d.nome_tabela)) ||
            cross join (select distinct '::text') ||
campos.campo_regiao) || ' as id_regiao,'::text) ||
campos.campo_dimensao) || ' as dimensao from
fonte_dados.'::text) || quote_ident(d.nome_tabela)) || ' f
'::text) || campos.join_hierarquia) || ' '::text) ||
COALESCE(f."where", ''::text)) || ') base
        group by
        base.id_regiao
        ,base.dimensao
    ) tempo on tempo.data = var.data and '::text) ||
        CASE
            WHEN NOT v.distribuicao THEN '
tempo.id_regiao = var.id_regiao and '::text
            ELSE ''::text
        END) || ' coalesce(tempo.dimensao,'''')
= coalesce(var.dimensao,'''') '::text
            ELSE ''::text
        END AS query
    FROM sistema.variavel v
        JOIN sistema.fonte_dados d ON v.id_fonte_dados
= d.id_fonte_dados
        JOIN sistema.config_territorio_variavel h ON
h.id_variavel = v.id_variavel
        JOIN sistema.config_territorio_variavel h_base ON
h_base.altura = 1 AND h_base.id_variavel = h.id_variavel
        JOIN ( SELECT h_1.id_territorio,
v_1.id_variavel,
CASE
            WHEN v_1.periodicidade IS NULL OR
v_1.coluna_data IS NULL THEN 'null'::text
            ELSE
COALESCE(((('cast(date_trunc(''':text ||
sistema.trunc_peri(quote_ident(v_1.periodicidade))) ||
'',)::text) || quote_ident(v_1.coluna_data)) || ') as
date)::text, 'null'::text)
            END ||

```

```

        CASE
            WHEN v_1.crescimento THEN
                CASE
                    WHEN v_1.periodicidade =
                        'anual'::text THEN '+ interval ''1 year'''::text
                    WHEN v_1.periodicidade =
                        'trimestral'::text THEN '+ interval ''12 months'''::text
                    WHEN v_1.periodicidade =
                        'mensal'::text THEN '+ interval ''12 months'''::text
                    ELSE ''::text
                END
            ELSE ''::text
        END AS campo_data,
        CASE
            WHEN v_1.distribuicao = true THEN
                ' cast(null as numeric)'::text
            ELSE
                CASE
                    WHEN h_1.coluna IS NOT NULL THEN
                        COALESCE(sistema.num_format(h_1.coluna,
                        d_1.nome_tabela), h_1.coluna)
                    WHEN h_1.altura > 1 AND
                        h_1.id_territorio <>
                        sistema.territorio_raiz(h_1.id_territorio) THEN
                            r.id_regiao_pai '::text
                    ELSE '1'::text
                END
            END AS campo_regiao,
            CASE
                WHEN v_1.desabilitar_dim_raiz = true
                    AND h_1.id_territorio_pai IS NULL OR v_1.coluna_dimensao IS
                    NULL THEN 'null'::text
                ELSE ('trim(both '' '' from '::text ||'
                    quote_ident(v_1.coluna_dimensao)) || ')::text
            END AS campo_dimensao,
            CASE
                WHEN v_1.distribuicao = true THEN
                    sistema.territorio_raiz(h_1.id_territorio)
                ELSE h_1.id_territorio
            END AS campo_territorio,
            CASE
                WHEN v_1.distribuicao = false AND
                    h_1.altura > 1 AND h_1.id_territorio <>
                    sistema.territorio_raiz(h_1.id_territorio) THEN
                        (((((((('inner join sistema.regiao_agregacao r '::text || '
                            '::text) || 'on r.id_regiao_filho = f.'::text) ||

```

```

COALESCE(sistema.num_format(h_base_1.coluna,
d_1.nome_tabela), h_base_1.coluna)) || '
'|| '::text) || ' and r.id_territorio_filho = '::text) ||
quote_literal(h_base_1.id_territorio)) || '
'|| '::text) || ' and r.id_territorio_pai =   '::text) ||
quote_literal(h_1.id_territorio)
ELSE ''::text
END AS join_hierarquia
FROM sistema.variavel v_1
JOIN sistema.fonte_dados d_1 ON
v_1.id_fonte_dados = d_1.id_fonte_dados
JOIN sistema.config_territorio_variavel h_1
ON h_1.id_variavel = v_1.id_variavel
JOIN sistema.config_territorio_variavel
h_base_1 ON h_base_1.altura = 1 AND h_base_1.id_variavel =
h_1.id_variavel
JOIN ( SELECT
config_territorio_variavel.id_variavel,
min(config_territorio_variavel.id_territorio) AS
id_territorio,
config_territorio_variavel.hierarquia
FROM sistema.config_territorio_variavel
WHERE config_territorio_variavel.altura =
1
GROUP BY
config_territorio_variavel.id_variavel,
config_territorio_variavel.hierarquia
ORDER BY
config_territorio_variavel.id_variavel) h_base_filtro_1 ON
h_base_1.id_variavel = h_base_filtro_1.id_variavel AND
h_base_1.id_territorio = h_base_filtro_1.id_territorio
LEFT JOIN LATERAL ( SELECT filtro.id_variavel,
'where '::text ||
string_agg((((((COALESCE((
'|| '::text || filtro.aninhamento) || '
'|| '::text, ''::text) || ' '::text) ||
COALESCE(quote_ident(filtro.coluna), ''::text)) || '
'|| '::text) || COALESCE(filtro.operador_comparador, ''::text))
|| ' '::text) || COALESCE( CASE
WHEN filtro.operador_comparador
~~ '%is%'::text THEN filtro.valor
ELSE quote_literal(filtro.valor)
END, ''::text)) || ' '::text) ||
COALESCE('

```

```

        '::text || filtro.operador_logico, '::text),
'::text ORDER BY filtro.id_variavel, filtro.ordem) AS
"where"
                FROM sistema.variavel_filtro filtro
                GROUP BY filtro.id_variavel) f_1 ON
f_1.id_variavel = v_1.id_variavel) campos ON
campos.id_variavel = v.id_variavel AND campos.id_territorio
= h.id_territorio
        JOIN ( SELECT config_territorio_variavel.id_variavel,
                    min(config_territorio_variavel.id_territorio) AS
id_territorio,
                    config_territorio_variavel.hierarquia
                    FROM sistema.config_territorio_variavel
                    WHERE config_territorio_variavel.altura = 1
                    GROUP BY config_territorio_variavel.id_variavel,
config_territorio_variavel.hierarquia
                    ORDER BY config_territorio_variavel.id_variavel)
h_base_filtro ON h_base.id_variavel =
h_base_filtro.id_variavel AND h_base.id_territorio =
h_base_filtro.id_territorio
        LEFT JOIN LATERAL ( SELECT filtro.id_variavel,
                'where '::text || string_agg((((((COALESCE('
'::text || filtro.aninhamento) ||
'::text, '::text) || ' '::text) ||
COALESCE(quote_ident(filtro.coluna), '::text)) ||
'::text) || COALESCE(filtro.operador_comparador, '::text))
|| ' '::text) || COALESCE( CASE
                WHEN filtro.operador_comparador ~~
'%is% '::text THEN filtro.valor
                ELSE quote_literal(filtro.valor)
                END, '::text)) || ' '::text) || COALESCE('
'::text || filtro.operador_logico, '::text), '::text ORDER
BY filtro.id_variavel, filtro.ordem) AS "where"
                FROM sistema.variavel_filtro filtro
                WHERE NOT (filtro.excluir_regiao_raiz = true AND
h.id_territorio = sistema.territorio_raiz(h.id_territorio))
                GROUP BY filtro.id_variavel) f ON f.id_variavel
= v.id_variavel
        ORDER BY v.id_variavel, h.id_territorio;

ALTER TABLE sistema.query_variavel
OWNER TO postgres;

```

View regiao_agregacao

-- View:

sistema.regiao_agregacao

-- DROP VIEW sistema.regiao_agregacao;

```
CREATE OR REPLACE VIEW sistema.regiao_agregacao AS
WITH RECURSIVE agg AS (
    SELECT agg.id_regiao_filho,
           agg.id_territorio_filho,
           agg.id_regiao_pai,
           agg.id_territorio_pai
      FROM fonte_dados.regiao_agregacao agg
     ), regiao_agregacao(id_regiao_filho,
                          id_territorio_filho, id_regiao_pai, id_territorio_pai)
AS (
    SELECT a.id_regiao_filho,
           a.id_territorio_filho,
           a.id_regiao_pai,
           a.id_territorio_pai,
           true AS agregado
      FROM agg a
UNION ALL
    SELECT DISTINCT r.id_regiao_filho,
                  r.id_territorio_filho,
                  a.id_regiao_pai,
                  a.id_territorio_pai,
                  CASE r.agregado
                      WHEN true THEN false
                      ELSE true
                  END AS agregado
      FROM regiao_agregacao r
     JOIN agg a ON r.id_territorio_pai =
                  a.id_territorio_filho AND r.id_regiao_pai =
                  a.id_regiao_filho
                  WHERE r.agregado = true
)
SELECT DISTINCT regiao_agregacao.id_regiao_filho,
               regiao_agregacao.id_territorio_filho,
               regiao_agregacao.id_regiao_pai,
               regiao_agregacao.id_territorio_pai,
               regiao_agregacao.agregado
      FROM regiao_agregacao;
```

```
ALTER TABLE sistema.regiao_agregacao
OWNER TO postgres;
```

View config_territorio_variavel

-- View:

```
sistema.config_territorio_variavel
```

```
-- DROP VIEW sistema.config_territorio_variavel;
```

```
CREATE OR REPLACE VIEW
sistema.config_territorio_variavel AS
WITH RECURSIVE
config_territorio_variavel(id_variavel,
id_territorio, id_territorio_pai, hierarquia,
coluna, altura) AS (
    SELECT DISTINCT v.id_variavel,
        COALESCE(t.id_territorio, 4) AS
    "coalesce",
        t.id_territorio_pai,
        COALESCE(t.hierarquia,
        'Administrativa'::text) AS "coalesce",
        c.nome AS coluna,
        1 AS altura
    FROM fonte_dados.territorio t
        JOIN sistema.coluna c ON
    c.id_territorio = t.id_territorio
        RIGHT JOIN sistema.variavel v ON
    c.id_fonte_dados = v.id_fonte_dados
    UNION ALL
    SELECT DISTINCT r.id_variavel,
        t.id_territorio,
        t.id_territorio_pai,
        t.hierarquia,
        c.nome AS coluna,
        r.altura + 1 AS altura
    FROM config_territorio_variavel r
        JOIN fonte_dados.territorio t ON
    t.id_territorio = r.id_territorio_pai
        LEFT JOIN sistema.variavel v ON
    v.id_variavel = r.id_variavel
        LEFT JOIN sistema.coluna c ON
    c.id_fonte_dados = v.id_fonte_dados AND
```

```

        c.id_territorio = t.id_territorio
    )
SELECT DISTINCT
config_territorio_variavel.id_variavel,
config_territorio_variavel.id_territorio,

config_territorio_variavel.id_territorio_pai,
config_territorio_variavel.hierarquia,
config_territorio_variavel.coluna,
min(config_territorio_variavel.altura) AS
altura
FROM config_territorio_variavel
GROUP BY
config_territorio_variavel.id_variavel,
config_territorio_variavel.id_territorio,
config_territorio_variavel.id_territorio_pai,
config_territorio_variavel.hierarquia,
config_territorio_variavel.coluna;

```

```

ALTER TABLE sistema.config_territorio_variavel
OWNER TO postgres;

```

Function calcular_indicador

```
-- Function:
```

```
sistema.calcular_indicador(inte
ger)
```

```
-- DROP FUNCTION
sistema.calcular_indicador(integer);
```

```

CREATE OR REPLACE FUNCTION
sistema.calcular_indicador(id_indicador_calculo
integer DEFAULT NULL::integer)
RETURNS void AS
$BODY$
declare query_indicadores cursor for
select *
from sistema.query_indicador query
inner join sistema.indicador indic
on indic.id_indicador =
query.id_indicador
where (id_indicador_calculo =

```

```

query.id_indicador or id_indicador_calculo is null)
and indicativo = true;
declare query_variaveis cursor for
    select *
        from sistema.query_variavel query
        inner join sistema.variavel var
            on var.id_variavel =
query.id_variavel
            where (query.id_variavel in (select
id_variavel from sistema.indicador_x_variavel where
id_indicador = id_indicador_calculo)
                or id_indicador_calculo is null)
and not (var.distribuicao = true and id_territorio
!= sistema.territorio_raiz(id_territorio));

begin
    delete from sistema.indicador_calculo
    where id_indicador = id_indicador_calculo
or id_indicador_calculo is null;

    delete from sistema.variavel_calculo
    where id_variavel in (select id_variavel
from sistema.indicador_x_variavel where
id_indicador = id_indicador_calculo) or
id_indicador_calculo is null;

for query_indicador IN query_indicadores
loop
    execute query_indicador.query;
end loop;

for query_variavel IN query_variaveis
loop
    execute 'insert into
sistema.variavel_calculo
(data,id_regiao,dimensao,id_variavel,id_territorio,
valor) ' || query_variavel.query;
    end loop;
end;
$BODY$

LANGUAGE plpgsql VOLATILE
COST 100;
ALTER FUNCTION sistema.calcular_indicador(integer)

```

```
OWNER TO postgres;
```

Pentaho

AgregarMetadadosArquivo.ktr

```
<tr
ans
for
mat
ion
>

<info>

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<description/>

<extended_description/>

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<table/>

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```

```

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    /field><field><id>OBJECT_NAME</id><enabled>Y</enabled><name>OBJECT_NAME</name><
    /field><field><id>OBJECT_COPY</id><enabled>Y</enabled><name>OBJECT_COPY</name>
    </field><field><id>REPOSITORY_DIRECTORY</id><enabled>Y</enabled><name>REPOSITO
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    T_ID</name></field><field><id>OBJECT_REVISION</id><enabled>Y</enabled><name>OB
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    <table/>

    <timeout_days/>

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    PDATED</id><enabled>Y</enabled><name>LINES_UPDATED</name></field><field><id>LI
    NES_INPUT</id><enabled>Y</enabled><name>LINES_INPUT</name></field><field><id>L
    INES_OUTPUT</id><enabled>Y</enabled><name>LINES_OUTPUT</name></field><field><i
    d>LINES_REJECTED</id><enabled>Y</enabled><name>LINES_REJECTED</name></field><f
    ield><id>ERRORS</id><enabled>Y</enabled><name>ERRORS</name></field><field><id>
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```

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    <username>&#x24;&#x7b;MONITORAMENTO_PDE_USUARIO&#x7d;</username>

    <password>&#x24;&#x7b;MONITORAMENTO_PDE_SENHA&#x7d;</password>

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<hop> <from>Numerar as linhas</from><to>Filtrar linha
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<hop> <from>Especificacao mapping input</from><to>Juntar data arquivo
com base</to><enabled>Y</enabled> </hop>

<hop> <from>Juntar data arquivo com base</from><to>Numerar
as linhas</to><enabled>N</enabled> </hop>

<hop> <from>Obter configuracao do
arquivo</from><to>ExtrairDataNomeArquivo</to><enabled>Y</enabled> </hop>

<hop> <from>Data da carga</from><to>Colocar data
da carga</to><enabled>Y</enabled> </hop>

<hop> <from>ExtrairDataNomeArquivo</from><to>Colocar data
da carga</to><enabled>Y</enabled> </hop>

```

```

<hop> <from>Colocar data da carga</from><to>Juntar data arquivo
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```

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</GUI>

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    <partitioning>

```

```

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```

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<cluster_schema/>

```

```

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```

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onnector>

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```

```

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```

```

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Carga.kjb

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o
b
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    <repeat>N</repeat>

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    <filename/>

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    <logfile/>

    <logext/>

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    <add_time>N</add_time>

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    <slave_server_name/>

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    <expand_remote_job>N</expand_remote_job>

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</parameter>           <parameter>
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</parameter>           <parameter>
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    </parameter>          <parameter>
<name>DIRETORIO_FONTE</name>

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<job_object_id/>

<filename/>

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        <value/>

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        <stream_name/>

        <value/>

    </parameter>          <parameter>
<name>FORMATO_ARQUIVO</name>

        <stream_name/>

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<sqlfromfile>F</sqlfromfile>

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<sendOneStatement>F</sendOneStatement>

<connection>MonitoramentoPDE_PostgreSQL</connection>

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<nrr>0</nrr>

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<slave_server_name/>

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<logging_remote_work>N</logging_remote_work>

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<to>VariavelTransformation</to>

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<enabled>Y</enabled>

<evaluation>Y</evaluation>

<unconditional>N</unconditional>

</hop>

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<enabled>Y</enabled>

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<unconditional>N</unconditional>
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<to>Limpar variáveis</to>

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<enabled>N</enabled>

<evaluation>Y</evaluation>

<unconditional>Y</unconditional>

</hop>

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<from>Limpar variáveis</from>

<to>Inicializar Variáveis</to>

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<to_nr>0</to_nr>

<enabled>Y</enabled>

<evaluation>Y</evaluation>

<unconditional>N</unconditional>

</hop>

<hop>

<from>Comandos SQL personalizados</from>

<to>Success</to>

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</hop>

<hop>

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<to>GravarDataAtualizacao</to>

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<to_nr>0</to_nr>

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<evaluation>Y</evaluation>

<unconditional>N</unconditional>

</hop>

<hop>

<from>GravarDataAtualizacao</from>

<to>Comandos SQL customizados</to>

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<to_nr>0</to_nr>

<enabled>Y</enabled>

<evaluation>Y</evaluation>

<unconditional>N</unconditional>

</hop>
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    <to>Definir variáveis</to>

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    <evaluation>Y</evaluation>

    <unconditional>Y</unconditional>

</hop>

<hop>

    <from>Definir variáveis</from>

    <to>ListarArquivosParaEstrutura</to>

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    <to_nr>0</to_nr>

    <enabled>Y</enabled>

    <evaluation>Y</evaluation>

    <unconditional>N</unconditional>

</hop>

<hop>

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    <to>Definir variáveis</to>

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    <to_nr>0</to_nr>

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<evaluation>Y</evaluation>

<unconditional>N</unconditional>

</hop>

<hop>

<from>Inicializar Variaveis</from>

<to>ListarArquivosParaEstrutura</to>

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da carga\xd7\x9a;\x3a;\x3d;\x9a;Valor\x3a;\x3d;\x9a;1 - Arquivo Texto com
cabe\xe7;alho\xd7\x9a;\x3a;\x3d;\x9a;2 - Excel\xd7\x9a;\x3a;\x3d;\x9a;3 - DBF\xd7\x9a;\x3a;\x3d;\x9a;----\x3a;\x3d;\x9a;DATA_INICIO E DATA_FIM\xd7\x9a;\x3e; Data do inicio e
fim do periodo de carga dos
arquivos\xd7\x9a;\x3a;\x3d;\x9a;Valor\x3a;\x3d;\x9a;Data no formato
AAAAMMDD\xd7\x9a;\x3a;\x3d;\x9a;----\x3a;\x3d;\x9a;\x3d;\x9a;DELIMITADOR\xd7\x9a;\x3a;\x3e;
Caractere usado para separar os campos em arquivos
texto\xd7\x9a;\x3a;\x3d;\x9a;Valor\x3a;\x3d;\x9a;Um caractere\xd7\x9a;\x3a;\x3d;\x9a;---\x3a;\x3d;\x9a;\x3d;\x9a;DIRETORIO_FONTE\xd7\x9a;\x3a;\x3d;\x9a;\x3e; Diretorio onde se encontram
os arquivos fonte\xd7\x9a;\x3a;\x3d;\x9a;Valor\x3a;\x3d;\x9a;Caminho inteiro da
pasta na \xe1;quina.
\xd7\x9a;\x3a;\x3d;\x9a;Observa\xe7;#\xf5;es\x3a;\x3d;\x9a;\x3c9; necess\xe1;rio
```

que o usuário configurado no serviço do apache tenha
acesso de leitura ao diretório.
FORMATO_ARQUIVO; Formato do nome dos
arquivos; Valor; Formato do nome dos arquivos
com ; coringa de data identificando ; ano ;AAAA;,
m;s ;MM;; e dia ;DD;;;----
;NOME_TABELA; Nome da tabela a ser criada no
banco de dados; ;Valor; ;Nome amigável da base
sem acentos e com ;espaço;;os trocados por underline
;XX - n; mero at; 15;;; Colunas
numéricas;;Valor; ;Nome da
coluna;;;----;COLUNA_NUMERICA_XX
;XX - n; mero at; 15;;; Colunas de
data dos dados, ;usadas para realizar
filtros; ;Valor; ;Nome da
coluna;;;----;FORMATO_COLUNA_DATA_XX
;XX - n; mero at; 15;;; Formato das
colunas de data;;;Valor; ;Formato do nome dos
arquivos com ;coringa de data identificando ;ano
;AAAA;;, m;s ;MM;; e dia
;DD;;;----
;LINHA_CABECALHO; Em qual linha
está; ;localizado o cabeçalho do
arquivo; ;Valor; ;Numérico somente se
necessário, não ;ano; ;necessário passar 0</note>

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<fontsize>9</fontsize>

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<fontitalic>N</fontitalic>

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<fontsize>12</fontsize>

<fontbold>Y</fontbold>

<fontitalic>N</fontitalic>

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<note>SQL_CREATE_TABLE; String usada internamente para criar o
comando que cria a tabela;Valor;Comando create
table com o nome ;NOME_TABELA;-----;
&#xd;estrutura do BD e Stream forem
id;nticas;Valor;true ou
false;----;
&#xd;TRANS_CARGA_ESTRUTURA;Nome da transformation
de carga de estrutura do
repositorio;Valor;InputEstruturaXls;In
putEstruturaXlsx;InputEstruturaTexto;InputEstruturaDbf;In
;Valor;TRANS_CARGA_DADOS; Nome da
transformation de carga de dados do repositorio
&#xd;Valor;InputCargaXls;InputCargaXlsx;In
d;InputCargaTexto;InputCargaDbf</note>

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<fontsize>9</fontsize>

<fontbold>N</fontbold>

```

```
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<fontcolorblue>0</fontcolorblue>

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<fontname>Segoe UI</fontname>

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reposit&#xf3;rios &#xd;&#xa;&#x28;repositories.xml&#x29; &#xe9; definida
atrav&#xe9;s da vari&#xe1;vel de ambiente&#x3a;&#xd;&#xa;KETTLE_REPOSITORY
&#x28;padr&#xe3;o&#x3a;
C&#x3a;&#x5c;Pentaho&#x5c;Configuracao&#x29;&#xd;&#xa;&#xd;&#xa;A
localiza&#xe7;&#xe3;o do arquivo de vari&#xe1;veis globais
&#x28;kettle.properties&#x29;&#xd;&#xa; &#xe9; definida atrav&#xe9;s da
vari&#xe1;vel de ambiente&#x3a;&#xd;&#xa;KETTLE_HOME &#x28;padr&#xe3;o&#x3a;
C&#x3a;&#x5c;Pentaho&#x5c;Configuracao&#x29;&#xd;&#xa;&#xd;&#xa;Vari&#xe1;veis
contidas dentro do arquivo
Kettle.properties&#x3a;&#xd;&#xa;&#xd;&#xa;SCHEMA_FONTE_DADOS&#xd;&#xa;&#x3e; Em
qual schema ser&#xe3;o criadas as tabelas
importadas&#xd;&#xa;&#xd;&#xa;Valor&#x3a;&#xd;&#xa;Nome do
schema&#xd;&#xa;&#xd;&#xa;---&#xd;&#xa;&#xd;&#xa;SCHEMA_SISTEMA&#xd;&#xa;&#x3e;
Em qual schema est&#xe3;o as tabelas de sistema e
log&#xd;&#xa;&#xd;&#xa;Valor&#x3a;&#xd;&#xa;Nome do schema&#xd;&#xa;&#xd;&#xa;--
- --&#xd;&#xa;&#xd;&#xa; MONITORAMENTO_PDE_HOST &#x3d; localhost&#xd;&#xa;
MONITORAMENTO_PDE_BANCO &#x3d; MonitoramentoPDE&#xd;&#xa;
MONITORAMENTO_PDE_PORTA &#x3d; 5432&#xd;&#xa; MONITORAMENTO_PDE_USUARIO &#x3d;
postgres&#xd;&#xa; MONITORAMENTO_PDE_SENHA &#x3d; kofphxxn1989&#xd;&#xa;&#x3e;
Par&#xe2;metros de conex&#xe3;o ao banco de dados&#xd;&#xa;</note>

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<note>Configura&#xe7;&#xe3;o Kettle</note>

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<note>TODO&#xa; criar processo para criar o sql dummy se ele
n&#xe3;o existir</note>

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<note>nome do arquivo n&#xe3;o pode conter AA, MM ou DD</note>

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CargaArquivoDados.ktr

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ans
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ion
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    <hop> <from>Obter nome dos arquivos para carga</from><to>Injetar metadados das
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    <hop> <from>Obter nome dos arquivos para
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    <hop> <from>Obter vari&#xe1;veis colunas data</from><to>Normalizar
colunas de data</to><enabled>N</enabled> </hop>

    <hop> <from>Ordenar todas colunas pelo nome</from><to>Filtrar
colunas v&#xe1;lidas</to><enabled>Y</enabled> </hop>

    <hop> <from>Ordenar colunas especiais pelo nome</from><to>Filtrar
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    <hop> <from>Filtrar colunas v&#xe1;lidas</from><to>Formato da data
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    <hop> <from>Obter vari&#xe1;veis colunas inteiro</from><to>Normalizar
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    <hop> <from>Normalizar colunas num&#xe9;ricas</from><to>Adicionar
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tabela</to><enabled>Y</enabled> </hop>

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</keys_1>

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</keys_2>

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    <value>12</value>

    <norm>coluna</norm>

    </field>      <field>          <name>COLUNA_NUMERICA_3</name>

    <value>13</value>

    <norm>coluna</norm>

    </field>      <field>          <name>COLUNA_NUMERICA_4</name>

    <value>14</value>

    <norm>coluna</norm>

    </field>      <field>          <name>COLUNA_NUMERICA_5</name>

    <value>15</value>

    <norm>coluna</norm>
```

```

</field>      <field>      <name>COLUNA_NUMERICA_6</name>

<value>16</value>

<norm>coluna</norm>

</field>      <field>      <name>COLUNA_NUMERICA_7</name>

<value>17</value>

<norm>coluna</norm>

</field>      <field>      <name>COLUNA_NUMERICA_8</name>

<value>18</value>

<norm>coluna</norm>

</field>      <field>      <name>COLUNA_NUMERICA_9</name>

<value>19</value>

<norm>coluna</norm>

</field>      <field>      <name>COLUNA_NUMERICA_10</name>

<value>20</value>

<norm>coluna</norm>

</field>      </fields>    <cluster_schema/>

<remotesteps> <input> </input> <output> </output> </remotesteps> <GUI>

<xloc>896</xloc>

<yloc>96</yloc>

<draw>Y</draw>

</GUI>

</step>

```

```

<step>

    <name>Obter colunas especiais</name>

    <type>TableInput</type>

    <description/>

    <distribute>Y</distribute>

    <custom_distribution/>

    <copies>1</copies>

    <partitioning>

        <method>none</method>

        <schema_name/>

    </partitioning>

    <connection>MonitoramentoPDE_PostgreSQL</connection>

    <sql>SELECT &#xd;&#xa;case tipo when &#x27;data&#x27; then null else
&#x27;&#x23;.&#x23;&#x27; end as formato_numero&#xd;&#xa;,formato
as formato_data&#xd;&#xa;,case tipo when &#x27;data&#x27; then
&#x27;Date&#x27;&#xd;&#xa; when &#x27;inteiro&#x27; then
&#x27;Integer&#x27;&#xd;&#xa; when &#x27;territorio&#x27; then
&#x27;Integer&#x27;&#xd;&#xa; when &#x27;numerica&#x27;;
then &#x27;Number&#x27; end as tipo&#xd;&#xa;,nome as
coluna&#xd;&#xa;FROM sistema.coluna&#xd;&#xa;WHERE id_fonte_dados &#x3d;
&#x24;&#x7b;ID_FONTE_DADOS&#x7d;</sql>

    <limit>0</limit>

    <lookup/>

    <execute_each_row>N</execute_each_row>

    <variables_active>Y</variables_active>

    <lazy_conversion_active>N</lazy_conversion_active>

    <cluster_schema/>

```

```

<remotesteps> <input> </input> <output> </output> </remotesteps> <GUI>

    <xloc>512</xloc>

    <yloc>256</yloc>

    <draw>Y</draw>

    </GUI>

</step>

<step>

    <name>Obter nome dos arquivos para carga</name>

    <type>RowsFromResult</type>

    <description/>

    <distribute>Y</distribute>

    <custom_distribution/>

    <copies>1</copies>

    <partitioning>

        <method>none</method>

        <schema_name/>

    </partitioning>

    <fields>      <field>          <name>short_filename</name>
                  <type>String</type>
                  <length>-1</length>
                  <precision>-1</precision>

```

```

        </field>      </fields>      <cluster_schema/>

<remotesteps> <input> </input> <output> </output> </remotesteps> <GUI>

        <xloc>512</xloc>

        <yloc>816</yloc>

        <draw>Y</draw>

        </GUI>

</step>

<step>

        <name>Obter nome dos arquivos para estrutura</name>

        <type>RowsFromResult</type>

        <description/>

        <distribute>Y</distribute>

        <custom_distribution/>

        <copies>1</copies>

        <partitioning>

            <method>none</method>

            <schema_name/>

        </partitioning>

<fields>      <field>      <name>filename</name>

        <type>String</type>

        <length>-1</length>

        <precision>-1</precision>

```

```

        </field>      </fields>      <cluster_schema/>

<remotesteps> <input> </input> <output> </output> </remotesteps> <GUI>

        <xloc>128</xloc>

        <yloc>192</yloc>

        <draw>Y</draw>

        </GUI>

</step>

<step>

        <name>Obter variáveis colunas data</name>

        <type>GetVariable</type>

        <description/>

        <distribute>Y</distribute>

        <custom_distribution/>

        <copies>1</copies>

        <partitioning>

            <method>none</method>

            <schema_name/>

        </partitioning>

<fields>

        <field>

            <name>COLUNA_DATA_1</name>

```

```
<variable>&#x24;:&#x7b;COLUNA_DATA_1&#x7d;</variable>

<type>String</type>

<format/>

<currency/>

<decimal/>

<group/>

<length>-1</length>

<precision>-1</precision>

<trim_type>none</trim_type>

</field>

<field>

<name>FORMATO_COLUNA_DATA_1</name>

<variable>&#x24;:&#x7b;FORMATO_COLUNA_DATA_1&#x7d;</variable>

<type>String</type>

<format/>

<currency/>

<decimal/>

<group/>

<length>-1</length>

<precision>-1</precision>

<trim_type>none</trim_type>

</field>

<field>
```

```
<name>COLUNA_DATA_2</name>

<variable>&#x24;=&#x7b;COLUNA_DATA_2&#x7d;</variable>

<type>String</type>

<format/>

<currency/>

<decimal/>

<group/>

<length>-1</length>

<precision>-1</precision>

<trim_type>none</trim_type>

</field>

<field>

<name>FORMATO_COLUNA_DATA_2</name>

<variable>&#x24;=&#x7b;FORMATO_COLUNA_DATA_2&#x7d;</variable>

<type>String</type>

<format/>

<currency/>

<decimal/>

<group/>

<length>-1</length>

<precision>-1</precision>

<trim_type>none</trim_type>

</field>
```

```
<field>

    <name>COLUNA_DATA_3</name>

    <variable>&#x24;&#x7b;COLUNA_DATA_3&#x7d;</variable>

    <type>String</type>

    <format/>

    <currency/>

    <decimal/>

    <group/>

    <length>-1</length>

    <precision>-1</precision>

    <trim_type>none</trim_type>

</field>

<field>

    <name>FORMATO_COLUNA_DATA_3</name>

    <variable>&#x24;&#x7b;FORMATO_COLUNA_DATA_3&#x7d;</variable>

    <type>String</type>

    <format/>

    <currency/>

    <decimal/>

    <group/>

    <length>-1</length>

    <precision>-1</precision>

    <trim_type>none</trim_type>
```

```
</field>

<field>

<name>COLUNA_DATA_4</name>

<variable>&#x24;=&#x7b;COLUNA_DATA_4&#x7d;</variable>

<type>String</type>

<format/>

<currency/>

<decimal/>

<group/>

<length>-1</length>

<precision>-1</precision>

<trim_type>none</trim_type>

</field>

<field>

<name>FORMATO_COLUNA_DATA_4</name>

<variable>&#x24;=&#x7b;FORMATO_COLUNA_DATA_4&#x7d;</variable>

<type>String</type>

<format/>

<currency/>

<decimal/>

<group/>

<length>-1</length>

<precision>-1</precision>
```

```
<trim_type>none</trim_type>

</field>

<field>

<name>COLUNA_DATA_5</name>

<variable>&#x24;COLUNA_DATA_5&#x7d;</variable>

<type>String</type>

<format/>

<currency/>

<decimal/>

<group/>

<length>-1</length>

<precision>-1</precision>

<trim_type>none</trim_type>

</field>

<field>

<name>FORMATO_COLUNA_DATA_5</name>

<variable>&#x24;FORMATO_COLUNA_DATA_5&#x7d;</variable>

<type>String</type>

<format/>

<currency/>

<decimal/>

<group/>

<length>-1</length>
```

```
<precision>-1</precision>

<trim_type>none</trim_type>

</field>

<field>

<name>COLUNA_DATA_6</name>

<variable>&#x24;&#x7b;COLUNA_DATA_6&#x7d;</variable>

<type>String</type>

<format/>

<currency/>

<decimal/>

<group/>

<length>-1</length>

<precision>-1</precision>

<trim_type>none</trim_type>

</field>

<field>

<name>FORMATO_COLUNA_DATA_6</name>

<variable>&#x24;&#x7b;FORMATO_COLUNA_DATA_6&#x7d;</variable>

<type>String</type>

<format/>

<currency/>

<decimal/>

<group/>
```

```
<length>-1</length>

<precision>-1</precision>

<trim_type>none</trim_type>

</field>

<field>

<name>COLUNA_DATA_7</name>

<variable>&#x24;.&#7b;COLUNA_DATA_7&#7d;</variable>

<type>String</type>

<format/>

<currency/>

<decimal/>

<group/>

<length>-1</length>

<precision>-1</precision>

<trim_type>none</trim_type>

</field>

<field>

<name>FORMATO_COLUNA_DATA_7</name>

<variable>&#x24;.&#7b;FORMATO_COLUNA_DATA_7&#7d;</variable>

<type>String</type>

<format/>

<currency/>

<decimal/>
```

```
<group/>

<length>-1</length>

<precision>-1</precision>

<trim_type>none</trim_type>

</field>

<field>

<name>COLUNA_DATA_8</name>

<variable>&#x24;.&#7b;COLUNA_DATA_8&#7d;</variable>

<type>String</type>

<format/>

<currency/>

<decimal/>

<group/>

<length>-1</length>

<precision>-1</precision>

<trim_type>none</trim_type>

</field>

<field>

<name>FORMATO_COLUNA_DATA_8</name>

<variable>&#x24;.&#7b;FORMATO_COLUNA_DATA_8&#7d;</variable>

<type>String</type>

<format/>

<currency/>
```

```
<decimal/>

<group/>

<length>-1</length>

<precision>-1</precision>

<trim_type>none</trim_type>

</field>

<field>

<name>COLUNA_DATA_9</name>

<variable>&#x24;&#x7b;COLUNA_DATA_9&#x7d;</variable>

<type>String</type>

<format/>

<currency/>

<decimal/>

<group/>

<length>-1</length>

<precision>-1</precision>

<trim_type>none</trim_type>

</field>

<field>

<name>FORMATO_COLUNA_DATA_9</name>

<variable>&#x24;&#x7b;FORMATO_COLUNA_DATA_9&#x7d;</variable>

<type>String</type>

<format/>
```

```
<currency/>

<decimal/>

<group/>

<length>-1</length>

<precision>-1</precision>

<trim_type>none</trim_type>

</field>

<field>

<name>COLUNA_DATA_10</name>

<variable>&#x24;&#x7b;COLUNA_DATA_10&#x7d;</variable>

<type>String</type>

<format/>

<currency/>

<decimal/>

<group/>

<length>-1</length>

<precision>-1</precision>

<trim_type>none</trim_type>

</field>

<field>

<name>FORMATO_COLUNA_DATA_10</name>

<variable>&#x24;&#x7b;FORMATO_COLUNA_DATA_10&#x7d;</variable>

<type>String</type>
```

```

<format/>

<currency/>

<decimal/>

<group/>

<length>-1</length>

<precision>-1</precision>

<trim_type>none</trim_type>

</field>

</fields>

<cluster_schema/>

<remotesteps> <input> </input> <output> </output> </remotesteps> <GUI>

<xloc>704</xloc>

<yloc>96</yloc>

<draw>Y</draw>

</GUI>

</step>

<step>

<name>Obter variáveis colunas inteiro</name>

<type>GetVariable</type>

<description/>

<distribute>Y</distribute>

<custom_distribution/>

```

```
<copies>1</copies>

<partitioning>

    <method>none</method>

    <schema_name/>

</partitioning>

<fields>

    <field>

        <name>COLUNA_INTEIRO_1</name>

        <variable>&#x24;:&#x7b;COLUNA_INTEIRO_1&#x7d;</variable>

        <type>String</type>

        <format/>

        <currency/>

        <decimal/>

        <group/>

        <length>-1</length>

        <precision>-1</precision>

        <trim_type>none</trim_type>

    </field>

    <field>

        <name>COLUNA_INTEIRO_2</name>

        <variable>&#x24;:&#x7b;COLUNA_INTEIRO_2&#x7d;</variable>

        <type>String</type>

        <format/>


```

```
<currency/>

<decimal/>

<group/>

<length>-1</length>

<precision>-1</precision>

<trim_type>none</trim_type>

</field>

<field>

<name>COLUNA_INTEIRO_3</name>

<variable>&#x24;&#x7b;COLUNA_INTEIRO_3&#x7d;</variable>

<type>String</type>

<format/>

<currency/>

<decimal/>

<group/>

<length>-1</length>

<precision>-1</precision>

<trim_type>none</trim_type>

</field>

<field>

<name>COLUNA_INTEIRO_4</name>

<variable>&#x24;&#x7b;COLUNA_INTEIRO_4&#x7d;</variable>

<type>String</type>
```

```
<format/>

<currency/>

<decimal/>

<group/>

<length>-1</length>

<precision>-1</precision>

<trim_type>none</trim_type>

</field>

<field>

<name>COLUNA_INTEIRO_5</name>

<variable>&#x24;.&#x7b;COLUNA_INTEIRO_5&#x7d;</variable>

<type>String</type>

<format/>

<currency/>

<decimal/>

<group/>

<length>-1</length>

<precision>-1</precision>

<trim_type>none</trim_type>

</field>

<field>

<name>COLUNA_INTEIRO_6</name>

<variable>&#x24;.&#x7b;COLUNA_INTEIRO_6&#x7d;</variable>
```

```
<type>String</type>

<format/>

<currency/>

<decimal/>

<group/>

<length>-1</length>

<precision>-1</precision>

<trim_type>none</trim_type>

</field>

<field>

<name>COLUNA_INTEIRO_7</name>

<variable>&#x24;&#x7b;COLUNA_INTEIRO_7&#x7d;</variable>

<type>String</type>

<format/>

<currency/>

<decimal/>

<group/>

<length>-1</length>

<precision>-1</precision>

<trim_type>none</trim_type>

</field>

<field>

<name>COLUNA_INTEIRO_8</name>
```

```
<variable>&#x24;=&#x7b;COLUNA_INTEIRO_8&#x7d;</variable>

<type>String</type>

<format/>

<currency/>

<decimal/>

<group/>

<length>-1</length>

<precision>-1</precision>

<trim_type>none</trim_type>

</field>

<field>

<name>COLUNA_INTEIRO_9</name>

<variable>&#x24;=&#x7b;COLUNA_INTEIRO_9&#x7d;</variable>

<type>String</type>

<format/>

<currency/>

<decimal/>

<group/>

<length>-1</length>

<precision>-1</precision>

<trim_type>none</trim_type>

</field>

<field>
```

```

<name>COLUNA_INTEIRO_10</name>

<variable>&#x24;=&#x7b;COLUNA_INTEIRO_10&#x7d;</variable>

<type>String</type>

<format/>

<currency/>

<decimal/>

<group/>

<length>-1</length>

<precision>-1</precision>

<trim_type>none</trim_type>

</field>

</fields>

<cluster_schema/>

<remotesteps> <input> </input> <output> </output> </remotesteps> <GUI>

<xloc>1072</xloc>

<yloc>16</yloc>

<draw>Y</draw>

</GUI>

</step>

<step>

<name>Obter variáveis colunas numéricas</name>

```

```
<type>GetVariable</type>

<description/>

<distribute>Y</distribute>

<custom_distribution/>

<copies>1</copies>

<partitioning>

<method>none</method>

<schema_name/>

</partitioning>

<fields>

<field>

<name>COLUNA_NUMERICA_1</name>

<variable>&#x24;&#x7b;COLUNA_NUMERICA_1&#x7d;</variable>

<type>String</type>

<format/>

<currency/>

<decimal/>

<group/>

<length>-1</length>

<precision>-1</precision>

<trim_type>none</trim_type>

</field>

<field>
```

```
<name>COLUNA_NUMERICA_2</name>

<variable>&#x24;=&#x7b;COLUNA_NUMERICA_2&#x7d;</variable>

<type>String</type>

<format/>

<currency/>

<decimal/>

<group/>

<length>-1</length>

<precision>-1</precision>

<trim_type>none</trim_type>

</field>

<field>

<name>COLUNA_NUMERICA_3</name>

<variable>&#x24;=&#x7b;COLUNA_NUMERICA_3&#x7d;</variable>

<type>String</type>

<format/>

<currency/>

<decimal/>

<group/>

<length>-1</length>

<precision>-1</precision>

<trim_type>none</trim_type>

</field>
```

```
<field>

    <name>COLUNA_NUMERICA_4</name>

    <variable>&#x24;&#x7b;COLUNA_NUMERICA_4&#x7d;</variable>

    <type>String</type>

    <format/>

    <currency/>

    <decimal/>

    <group/>

    <length>-1</length>

    <precision>-1</precision>

    <trim_type>none</trim_type>

</field>

<field>

    <name>COLUNA_NUMERICA_5</name>

    <variable>&#x24;&#x7b;COLUNA_NUMERICA_5&#x7d;</variable>

    <type>String</type>

    <format/>

    <currency/>

    <decimal/>

    <group/>

    <length>-1</length>

    <precision>-1</precision>

    <trim_type>none</trim_type>
```

```
</field>

<field>

<name>COLUNA_NUMERICA_6</name>

<variable>&#x24;&#x7b;COLUNA_NUMERICA_6&#x7d;</variable>

<type>String</type>

<format/>

<currency/>

<decimal/>

<group/>

<length>-1</length>

<precision>-1</precision>

<trim_type>none</trim_type>

</field>

<field>

<name>COLUNA_NUMERICA_7</name>

<variable>&#x24;&#x7b;COLUNA_NUMERICA_7&#x7d;</variable>

<type>String</type>

<format/>

<currency/>

<decimal/>

<group/>

<length>-1</length>

<precision>-1</precision>
```

```
<trim_type>none</trim_type>

</field>

<field>

<name>COLUNA_NUMERICA_8</name>

<variable>&#x24;.&#x7b;COLUNA_NUMERICA_8&#x7d;</variable>

<type>String</type>

<format/>

<currency/>

<decimal/>

<group/>

<length>-1</length>

<precision>-1</precision>

<trim_type>none</trim_type>

</field>

<field>

<name>COLUNA_NUMERICA_9</name>

<variable>&#x24;.&#x7b;COLUNA_NUMERICA_9&#x7d;</variable>

<type>String</type>

<format/>

<currency/>

<decimal/>

<group/>

<length>-1</length>
```

```

<precision>-1</precision>

<trim_type>none</trim_type>

</field>

<field>

<name>COLUNA_NUMERICA_10</name>

<variable>&#x24;&#x7b;COLUNA_NUMERICA_10&#x7d;</variable>

<type>String</type>

<format/>

<currency/>

<decimal/>

<group/>

<length>-1</length>

<precision>-1</precision>

<trim_type>none</trim_type>

</field>

</fields>

<cluster_schema/>

<remotesteps> <input> </input> <output> </output> </remotesteps> <GUI>

<xloc>896</xloc>

<yloc>16</yloc>

<draw>Y</draw>

</GUI>

</step>

```

```

<step>

    <name>ObterEstruturaArquivo</name>

    <type>TransExecutor</type>

    <description/>

    <distribute>Y</distribute>

    <custom_distribution/>

    <copies>1</copies>

    <partitioning>

        <method>none</method>

        <schema_name/>

    </partitioning>

    <specification_method>rep_name</specification_method>

    <trans_object_id/>

    <trans_name>ObterEstruturaArquivo</trans_name>

    <filename/>

    <directory_path>$/</directory_path>

    <group_size>1</group_size>

    <group_field/>

    <group_time/>

    <parameters>
        <variablemapping><variable>filename</variable><field>filename</field><input/></variablemapping>

```

```
<variablemapping><variable>short_filename</variable><field>short_filename</file  
ld><input/></variablemapping>  
  
<inherit_all_vars>Y</inherit_all_vars>  
  
</parameters>  
  
<execution_result_target_step/>  
  
<execution_time_field>ExecutionTime</execution_time_field>  
  
<execution_result_field>ExecutionResult</execution_result_field>  
  
<execution_errors_field>ExecutionNrErrors</execution_errors_field>  
  
<execution_lines_read_field>ExecutionLinesRead</execution_lines_read_field>  
  
<execution_lines_written_field>ExecutionLinesWritten</execution_lines_written_<br/>  
field>  
  
<execution_lines_input_field>ExecutionLinesInput</execution_lines_input_field>  
  
<execution_lines_output_field>ExecutionLinesOutput</execution_lines_output_fie ld>  
  
<execution_lines_rejected_field>ExecutionLinesRejected</execution_lines_reject  
ed_field>  
  
<execution_lines_updated_field>ExecutionLinesUpdated</execution_lines_updated_<br/>  
field>  
  
<execution_lines_deleted_field>ExecutionLinesDeleted</execution_lines_deleted_<br/>  
field>  
  
<execution_files_retrieved_field>ExecutionFilesRetrieved</execution_files_retr  
ieved_field>
```

```

<execution_exit_status_field>ExecutionExitStatus</execution_exit_status_field>

<execution_log_text_field>ExecutionLogText</execution_log_text_field>

<execution_log_channelid_field>ExecutionLogChannelId</execution_log_channelid_
field>

    <result_rows_target_step>Duplicar coluna de campos
da tabela</result_rows_target_step>

        <result_rows_field><name>NomeCampo</name><type>String</type><length>-
1</length><precision>-1</precision></result_rows_field>

<result_rows_field><name>NomeCampoOriginal</name><type>String</type><length>-
1</length><precision>-1</precision></result_rows_field>

        <result_rows_field><name>IndiceCampo</name><type>Integer</type><length>-
1</length><precision>-1</precision></result_rows_field>

    <result_files_target_step/>

    <result_files_file_name_field>FileName</result_files_file_name_field>

    <executors_output_step/>

    <cluster_schema/>

<remotesteps> <input> </input> <output> </output> </remotesteps> <GUI>

    <xloc>128</xloc>

    <yloc>288</yloc>

    <draw>Y</draw>

    </GUI>

</step>

<step>

```

```
<name>Ordenar colunas especiais pelo nome</name>

<type>SortRows</type>

<description/>

<distribute>Y</distribute>

<custom_distribution/>

<copies>1</copies>

<partitioning>

    <method>none</method>

    <schema_name/>

</partitioning>

<directory>&#x25;java.io.tmpdir&#x25;</directory>

<prefix>out</prefix>

<sort_size>1000000</sort_size>

<free_memory/>

<compress>N</compress>

<compress_variable/>

<unique_rows>N</unique_rows>

<fields>

    <field>

        <name>coluna</name>

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        <presorted>N</presorted>

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</fields>

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</partitioning>

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    </partitioning>

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    <tail_name>Criar metadados de datas gen&#xe9;ricas</tail_name>

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CargaFonteDados.kjb

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<
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o
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<table/>

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<filename/>

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<cluster>N</cluster>

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CompararEstruturaFonteBanco.ktr

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    <table/>

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    T_ID</name></field><field><id>OBJECT_REVISION</id><enabled>Y</enabled><name>OB
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    PDATED</id><enabled>Y</enabled><name>LINES_UPDATED</name></field><field><id>LI
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    <port>&#x24;=&#x7b;MONITORAMENTO_PDE_PORTA&#x7d;</port>

    <username>&#x24;=&#x7b;MONITORAMENTO_PDE_USUARIO&#x7d;</username>

    <password>&#x24;=&#x7b;MONITORAMENTO_PDE_SENHA&#x7d;</password>

    <servername/>

    <data_tablespace/>

    <index_tablespace/>

    <attributes>

        <attribute><code>FORCE_IDENTIFIER_TO_LOWERCASE</code><attribute>N</attribute>
        </attribute>

        <attribute><code>FORCE_IDENTIFIER_TO_UPPERCASE</code><attribute>N</attribute>
        </attribute>

        <attribute><code>IS_CLUSTERED</code><attribute>N</attribute></attribute>

        <attribute><code>PORT_NUMBER</code><attribute>&#x24;=&#x7b;MONITORAMENTO_PDE_PO
        RTA&#x7d;</attribute></attribute>
    
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<attribute><code>PRESERVE_RESERVED_WORD_CASE</code><attribute>Y</attribute></a
ttribute>

<attribute><code>QUOTE_ALL_FIELDS</code><attribute>N</attribute></attribute>

<attribute><code>SUPPORTS_BOOLEAN_DATA_TYPE</code><attribute>Y</attribute></at
tribute>

<attribute><code>SUPPORTS_TIMESTAMP_DATA_TYPE</code><attribute>Y</attribute></
attribute>

<attribute><code>USE_POOLING</code><attribute>N</attribute></attribute>

</attributes>

</connection>

<order>

<hop> <from>Obter colunas do stream</from><to>Ordenar colunas stream
pelo nome</to><enabled>Y</enabled> </hop>

<hop> <from>Obter colunas do banco</from><to>Retirar data
de refer&#xe1;ncia</to><enabled>Y</enabled> </hop>

<hop> <from>Retirar data de refer&#xe1;ncia</from><to>Ordenar colunas
banco pelo nome</to><enabled>Y</enabled> </hop>

<hop> <from>Retirar data de refer&#xe1;ncia</from><to>Descartar data
de refer&#xe1;ncia</to><enabled>Y</enabled> </hop>

<hop> <from>Ordenar colunas banco pelo nome</from><to>Join pelo
nome coluna</to><enabled>Y</enabled> </hop>

<hop> <from>Ordenar colunas stream pelo nome</from><to>Join pelo
nome coluna</to><enabled>Y</enabled> </hop>

<hop> <from>Join pelo nome coluna</from><to>Compara
as colunas</to><enabled>Y</enabled> </hop>

<hop> <from>Teste input banco</from><to>Ordenar colunas banco
pelo nome</to><enabled>N</enabled> </hop>

```

```

<hop> <from>Teste input stream</from><to>Ordenar colunas stream
pelo nome</to><enabled>N</enabled> </hop>

<hop> <from>Compara as colunas</from><to>Setar Dif
Na Variavel</to><enabled>Y</enabled> </hop>

<hop> <from>Setar Dif Na Variavel</from><to>Identificar ultima linha
no stream</to><enabled>Y</enabled> </hop>

<hop> <from>Identificar ultima linha no stream</from><to>Filtrar
ultima linha para variável;vel</to><enabled>Y</enabled> </hop>

<hop> <from>Filtrar ultima linha para variável;vel</from><to>Retorna
mudanças nas colunas</to><enabled>Y</enabled> </hop>

<hop> <from>Filtrar ultima linha para variável;vel</from><to>Descartar
linhas menos a última</to><enabled>Y</enabled> </hop>

<hop> <from>Identificar ultima linha no stream</from><to>Teste
Comparação</to><enabled>N</enabled> </hop>

<hop> <from>Compara as colunas</from><to>Testar tipos
dos campos</to><enabled>Y</enabled> </hop>

<hop> <from>Testar tipos dos campos</from><to>Filtrar
diferentes</to><enabled>Y</enabled> </hop>

<hop> <from>Filtrar diferentes</to><to>Descartar
colunas idênticas</to><enabled>Y</enabled> </hop>

<hop> <from>Filtrar diferentes</to><to>Setar Dif
Na Variavel</to><enabled>Y</enabled> </hop>

</order>

<step>

<name>Compara as colunas</name>

<type>CompareFields</type>

<description/>

<distribute>Y</distribute>

```

```

<custom_distribution/>

<copies>1</copies>

<partitioning>

    <method>none</method>

    <schema_name/>

</partitioning>

<changed_target_step>Setar Dif Na Variavel</changed_target_step>

<identical_target_step>Testar tipos dos campos</identical_target_step>

<added_target_step>Setar Dif Na Variavel</added_target_step>

<removed_target_step>Setar Dif Na Variavel</removed_target_step>

<add_fields_list>N</add_fields_list>

<fields_list_field>

    <fields><field><reference_field>NomeCampo</reference_field>

        <compare_field>column_name</compare_field>

    </field></fields>      <cluster_schema/>

    <remotesteps> <input> </input> <output> </output> </remotesteps> <GUI>

        <xloc>384</xloc>

        <yloc>400</yloc>

        <draw>Y</draw>

    </GUI>

</step>

<step>

```

```

<name>Descartar colunas id&#xeas;nticas</name>

<type>Dummy</type>

<description/>

<distribute>Y</distribute>

<custom_distribution/>

<copies>1</copies>

<partitioning>

<method>none</method>

<schema_name/>

</partitioning>

<cluster_schema/>

<remotesteps> <input> </input> <output> </output> </remotesteps> <GUI>

<xloc>752</xloc>

<yloc>480</yloc>

<draw>Y</draw>

</GUI>

</step>

<step>

<name>Descartar data de refer&#xeancia</name>

<type>Dummy</type>

<description/>

```

```

<distribute>Y</distribute>

<custom_distribution/>

<copies>1</copies>

<partitioning>

<method>none</method>

<schema_name/>

</partitioning>

<cluster_schema/>

<remotesteps> <input> </input> <output> </output> </remotesteps> <GUI>

<xloc>576</xloc>

<yloc>96</yloc>

<draw>Y</draw>

</GUI>

</step>

<step>

<name>Descartar linhas menos a &#xfa;ltima</name>

<type>Dummy</type>

<description/>

<distribute>Y</distribute>

<custom_distribution/>

<copies>1</copies>

<partitioning>

```

```

<method>none</method>

<schema_name/>

</partitioning>

<cluster_schema/>

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<xloc>576</xloc>

<yloc>640</yloc>

<draw>Y</draw>

</GUI>

</step>

<step>

<name>Filtrar ultima linha para variável</name>

<type>FilterRows</type>

<description/>

<distribute>Y</distribute>

<custom_distribution/>

<copies>1</copies>

<partitioning>

<method>none</method>

<schema_name/>

</partitioning>

```

```

<send_true_to>Retorna mudan&#xe7;a nas colunas</send_true_to>

<send_false_to>Descartar linhas menos a &#xfa;ltima</send_false_to>

<compare>

<condition>

<negated>N</negated>

<leftvalue>UltimaLinha</leftvalue>

<function>&#x3d;</function>

<rightvalue/>

<value><name>constant</name><type>Boolean</type><text>Y</text><length>-1</length><precision>-1</precision><isnull>N</isnull><mask/></value>
</condition>

</compare>

<cluster_schema/>

<remotesteps> <input> </input> <output> </output> </remotesteps> <GUI>

<xloc>384</xloc>

<yloc>640</yloc>

<draw>Y</draw>

</GUI>

</step>

<step>

<name>Identificar ultima linha no stream</name>

<type>DetectLastRow</type>

<description/>

```

```

<distribute>N</distribute>

<custom_distribution/>

<copies>1</copies>

<partitioning>

    <method>none</method>

    <schema_name/>

</partitioning>

<resultfieldname>UltimaLinha</resultfieldname>

<cluster_schema/>

<remotesteps> <input> </input> <output> </output> </remotesteps> <GUI>

    <xloc>384</xloc>

    <yloc>560</yloc>

    <draw>Y</draw>

</GUI>

</step>

<step>

    <name>Join pelo nome coluna</name>

    <type>MergeJoin</type>

    <description/>

    <distribute>N</distribute>

    <custom_distribution/>

```

```

<copies>1</copies>

<partitioning>

<method>none</method>

<schema_name/>

</partitioning>

<join_type>FULL OUTER</join_type>

<step1>Ordenar colunas banco pelo nome</step1>

<step2>Ordenar colunas stream pelo nome</step2>

<keys_1>

<key>column_name</key>

</keys_1>

<keys_2>

<key>NomeCampo</key>

</keys_2>

<cluster_schema/>

<remotesteps> <input> </input> <output> </output> </remotesteps> <GUI>

<xloc>384</xloc>

<yloc>304</yloc>

<draw>Y</draw>

</GUI>

</step>

<step>

```

```

<name>Obter colunas do banco</name>

<type>TableInput</type>

<description/>

<distribute>Y</distribute>

<custom_distribution/>

<copies>1</copies>

<partitioning>

<method>none</method>

<schema_name/>

</partitioning>

<connection>MonitoramentoPDE_PostgreSQL</connection>

<sql>select &#xd;&#xa;column_name,
&#xd;&#xa;ordinal_position,&#xd;&#xa;data_type&#xd;&#xa;from
information_schema.columns &#xd;&#xa;where table_name &#x3d;
&#x27;&#x24;&#x7b;NOME_TABELA&#x7d;&#x27;</sql>

<limit>0</limit>

<lookup/>

<execute_each_row>N</execute_each_row>

<variables_active>Y</variables_active>

<lazy_conversion_active>N</lazy_conversion_active>

<cluster_schema/>

<remotesteps> <input> </input> <output> </output> </remotesteps> <GUI>

<xloc>384</xloc>

<yloc>16</yloc>
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```

<draw>Y</draw>

</GUI>

</step>

<step>

<name>Obter colunas do stream</name>

<type>RowsFromResult</type>

<description/>

<distribute>Y</distribute>

<custom_distribution/>

<copies>1</copies>

<partitioning>

<method>none</method>

<schema_name/>

</partitioning>

<fields>      <field>          <name>NomeCampo</name>

<type>String</type>

<length>-1</length>

<precision>-1</precision>

</field>      <field>          <name>IndiceCampo</name>

<type>Integer</type>

<length>-1</length>

<precision>-1</precision>

```

```

        </field>      </fields>      <cluster_schema/>

<remotesteps> <input> </input> <output> </output> </remotesteps> <GUI>

        <xloc>208</xloc>

        <yloc>16</yloc>

        <draw>Y</draw>

        </GUI>

</step>

<step>

        <name>Ordenar colunas banco pelo nome</name>

        <type>SortRows</type>

        <description/>

        <distribute>N</distribute>

        <custom_distribution/>

        <copies>1</copies>

        <partitioning>

            <method>none</method>

            <schema_name/>

        </partitioning>

        <directory>&#x25;java.io.tmpdir&#x25;</directory>

        <prefix>out</prefix>

        <sort_size>1000000</sort_size>

```

```

<free_memory/>

<compress>N</compress>

<compress_variable/>

<unique_rows>N</unique_rows>

<fields>

  <field>

    <name>column_name</name>

    <ascending>Y</ascending>

    <case_sensitive>N</case_sensitive>

    <presorted>N</presorted>

  </field>

</fields>

<cluster_schema/>

<remotesteps> <input> </input> <output> </output> </remotesteps> <GUI>

  <xloc>384</xloc>

  <yloc>208</yloc>

  <draw>Y</draw>

</GUI>

</step>

<step>

  <name>Ordenar colunas stream pelo nome</name>

  <type>SortRows</type>

```

```
<description/>

<distribute>Y</distribute>

<custom_distribution/>

<copies>1</copies>

<partitioning>

    <method>none</method>

    <schema_name/>

</partitioning>

<directory>&#x25;java.io.tmpdir&#x25;</directory>

<prefix>out</prefix>

<sort_size>1000000</sort_size>

<free_memory/>

<compress>N</compress>

<compress_variable/>

<unique_rows>N</unique_rows>

<fields>

    <field>

        <name>NomeCampo</name>

        <ascending>Y</ascending>

        <case_sensitive>N</case_sensitive>

        <presorted>N</presorted>

    </field>

</fields>
```

```

<cluster_schema/>

<remotesteps> <input> </input> <output> </output> </remotesteps> <GUI>

    <xloc>208</xloc>

    <yloc>304</yloc>

    <draw>Y</draw>

</GUI>

</step>

<step>

    <name>Retirar data de refer&#xe1;ncia</name>

    <type>FilterRows</type>

    <description/>

    <distribute>Y</distribute>

    <custom_distribution/>

    <copies>1</copies>

    <partitioning>

        <method>none</method>

        <schema_name/>

    </partitioning>

    <send_true_to>Ordenar colunas banco pelo nome</send_true_to>

    <send_false_to>Descartar data de refer&#xe1;ncia</send_false_to>

    <compare>

```

```

<condition>

    <negated>N</negated>

    <leftvalue>column_name</leftvalue>

    <function>&#x3c;&#x3e;</function>

    <rightvalue/>

</condition>

</compare>

<cluster_schema/>

<remotesteps> <input> </input> <output> </output> </remotesteps> <GUI>

    <xloc>384</xloc>

    <yloc>96</yloc>

    <draw>Y</draw>

</GUI>

</step>

<step>

    <name>Retorna mudan&#xe7;a nas colunas</name>

    <type>SetVariable</type>

    <description/>

    <distribute>Y</distribute>

    <custom_distribution/>

```

```
<copies>1</copies>

<partitioning>

<method>none</method>

<schema_name/>

</partitioning>

<fields>

<field>

<field_name>SetarDifNaVariavel</field_name>

<variable_name>ESTRUTURA_STREAM_BD_IDENTICA</variable_name>

<variable_type>JVM</variable_type>

<default_value/>

</field>

</fields>

<use_formatting>Y</use_formatting>

<cluster_schema/>

<remotesteps> <input> </input> <output> </output> </remotesteps> <GUI>

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<yloc>736</yloc>

<draw>Y</draw>

</GUI>

</step>

<step>
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```

<name>Setar Dif Na Variavel</name>

<type>Constant</type>

<description/>

<distribute>N</distribute>

<custom_distribution/>

<copies>1</copies>

<partitioning>

<method>none</method>

<schema_name/>

</partitioning>

<fields>

<field>

<name>SetarDifNaVariavel</name>

<type>Boolean</type>

<format/>

<currency/>

<decimal/>

<group/>

<>nullif>false</nullif>

<length>-1</length>

<precision>-1</precision>

<set_empty_string>N</set_empty_string>

</field>

```

```

</fields>

<cluster_schema/>

<remotesteps> <input> </input> <output> </output> </remotesteps> <GUI>

<xloc>384</xloc>

<yloc>480</yloc>

<draw>Y</draw>

</GUI>

</step>

<step>

<name>Teste Comparacao</name>

<type>TextFileOutput</type>

<description/>

<distribute>Y</distribute>

<custom_distribution/>

<copies>1</copies>

<partitioning>

<method>none</method>

<schema_name/>

</partitioning>

<separator>&#x3b;</separator>

<enclosure>&#x22;</enclosure>

```

```
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<enclosure_fix_disabled>N</enclosure_fix_disabled>

<header>Y</header>

<footer>N</footer>

<format>DOS</format>

<compression>None</compression>

<encoding/>

<endedLine/>

<fileNameInField>N</fileNameInField>

<fileNameField/>

<create_parent_folder>Y</create_parent_folder>

<file>

<name>C&#x3a;&#x5c;Pentaho&#x5c;Teste&#x5c;Log&#x5c;ListarColunasComparacao</n
ame>

<is_command>N</is_command>

<servlet_output>N</servlet_output>

<do_not_open_new_file_init>N</do_not_open_new_file_init>

<extention>txt</extention>

<append>N</append>

<split>N</split>

<haspartno>N</haspartno>

<add_date>N</add_date>

<add_time>N</add_time>
```

```
<SpecifyFormat>N</SpecifyFormat>

<date_time_format/>

<add_to_result_filenames>Y</add_to_result_filenames>

<pad>N</pad>

<fast_dump>N</fast_dump>

<splitevery>0</splitevery>

</file>

<fields>

<field>

<name>column_name</name>

<type>String</type>

<format/>

<currency/>

<decimal/>

<group/>

<>nullif/>

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<length>-1</length>

<precision>-1</precision>

</field>

<field>

<name>ordinal_position</name>

<type>Integer</type>
```

```
<format>0</format>

<currency/>

<decimal>,</decimal>

<group>. </group>

<nullif/>

<trim_type>both</trim_type>

<length>-1</length>

<precision>-1</precision>

</field>

<field>

<name>NomeCampo</name>

<type>String</type>

<format/>

<currency/>

<decimal/>

<group/>

<nullif/>

<trim_type>both</trim_type>

<length>-1</length>

<precision>-1</precision>

</field>

<field>

<name>IndiceCampo</name>
```

```
<type>Integer</type>

<format>0</format>

<currency/>

<decimal>,</decimal>

<group>. </group>

<nullif/>

<trim_type>both</trim_type>

<length>-1</length>

<precision>-1</precision>

</field>

<field>

<name>SetarDifNaVariavel</name>

<type>Boolean</type>

<format/>

<currency/>

<decimal/>

<group/>

<nullif/>

<trim_type>both</trim_type>

<length>-1</length>

<precision>-1</precision>

</field>

<field>
```

```

<name>UltimaLinha</name>

<type>Boolean</type>

<format/>

<currency/>

<decimal/>

<group/>

<>nullif/>

<trim_type>both</trim_type>

<length>-1</length>

<precision>-1</precision>

</field>

</fields>

<cluster_schema/>

<remotesteps> <input> </input> <output> </output> </remotesteps> <GUI>

<xloc>64</xloc>

<yloc>560</yloc>

<draw>Y</draw>

</GUI>

</step>

<step>

<name>Teste input banco</name>

<type>DataGrid</type>

```

```
<description/>

<distribute>Y</distribute>

<custom_distribution/>

<copies>1</copies>

<partitioning>

    <method>none</method>

    <schema_name/>

</partitioning>

<fields>

    <field>

        <name>column_name</name>

        <type/>

        <format/>

        <currency/>

        <decimal/>

        <group/>

        <length>-1</length>

        <precision>-1</precision>

        <set_empty_string>N</set_empty_string>

    </field>

    <field>

        <name>ordinal_position</name>

        <type/>


```

```
<format/>

<currency/>

<decimal/>

<group/>

<length>-1</length>

<precision>-1</precision>

<set_empty_string>N</set_empty_string>

</field>

</fields>

<data>

<line> <item>setor_quadra_lote</item><item>1</item> </line>

<line> <item>tipologia</item><item>2</item> </line>

<line> <item>logradouro</item><item>3</item> </line>

<line> <item>n</item><item>4</item> </line>

<line> <item>subpref</item><item>5</item> </line>

<line> <item>suprefeitura</item><item>6</item> </line>

<line> <item>perimetro</item><item>7</item> </line>

<line> <item>area_de_terreno</item><item>8</item> </line>

<line> <item>area_construida</item><item>9</item> </line>

<line> <item>data_da_notificacao</item><item>10</item> </line>

<line> <item>identificacao_do_instrumento</item><item>11</item> </line>

<line> <item>solicitacao_de_averbacao</item><item>12</item> </line>

<line> <item>data_de_inicio_da_aplicacao</item><item>13</item> </line>
```

```

<line>
<item>data_de_protocolo_de_aprovacao_de_projeto</item><item>14</item> </line>

<line>
<item>data_de_expedicao_do_alvara_de_projeto</item><item>15</item> </line>

<line> <item>situacao_do_imovel</item><item>16</item> </line>

<line>
<item>data_de_comunicacao_da_conclusao_do_projeto</item><item>17</item>
</line>

<line>
<item>data_da_comunicacao_da_ocupacao_do_imovel</item><item>18</item> </line>

<line> <item>averbacao</item><item>19</item> </line>

<line>
<item>data_da_primeira_aplicacao_da_aliquota_progressiva</item><item>20</item>
</line>

<line> <item>valor_da_aliquota_ano</item><item>21</item> </line>

<line>
<item>data_da_publicacao_do_decreto_de_desapropriação</item><item>22</item>
</line>

<line>
<item>data_da_propositura_de_acao_de_desapropriação</item><item>23</item>
</line>

<line> <item>destinacao_do_imovel</item><item>24</item> </line>

<line>
<item>justificativa_da_ausencia_de_interesse_na_aquisicao</item><item>25</item>
> </line>

</data>

<cluster_schema/>

<remotesteps> <input> </input> <output> </output> </remotesteps> <GUI>

<xloc>48</xloc>

```

```
<yloc>208</yloc>

<draw>Y</draw>

</GUI>

</step>

<step>

<name>Teste input stream</name>

<type>DataGrid</type>

<description/>

<distribute>Y</distribute>

<custom_distribution/>

<copies>1</copies>

<partitioning>

<method>none</method>

<schema_name/>

</partitioning>

<fields>

<field>

<name>NomeCampo</name>

<type/>

<format/>

<currency/>

<decimal/>
```

```

<group/>

<length>-1</length>

<precision>-1</precision>

<set_empty_string>N</set_empty_string>

</field>

<field>

<name>IndiceCampo</name>

<type/>

<format/>

<currency/>

<decimal/>

<group/>

<length>-1</length>

<precision>-1</precision>

<set_empty_string>N</set_empty_string>

</field>

</fields>

<data>

<line> <item>setor_quadra_lote</item><item>1</item> </line>

<line> <item>tipologia</item><item>2</item> </line>

<line> <item>logradouro</item><item>3</item> </line>

<line> <item>n</item><item>4</item> </line>

<line> <item>subpref</item><item>5</item> </line>

```

```
<line> <item>suprefeitura</item><item>5</item> </line>

<line> <item>perimetro</item><item>6</item> </line>

<line> <item>area_de_terreno</item><item>7</item> </line>

<line> <item>area_construida</item><item>8</item> </line>

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&#x26;&#x26; coluna_data &#x21;&#x3d; null&#x29;&#xd;&#xa; dif_tipo
&#x3d; true&#x3b;&#xd;&#xa;&#xd;&#xa;if&#x28;data_type &#x21;&#x3d;
&#x27;integer&#x27; &#x26;&#x26; coluna_inteiro &#x21;&#x3d;
null&#x29;&#xd;&#xa; dif_tipo &#x3d;
true&#x3b;&#xd;&#xa;&#xd;&#xa;if&#x28;data_type &#x21;&#x3d;
&#x27;numeric&#x27; &#x26;&#x26; coluna_numerica &#x21;&#x3d;
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CriarEstruturaTabela.kjb

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<
j
o
b
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<description/>

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<modified_user>-</modified_user>

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<access>Native</access>

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<port>&#x24;&#x7b;MONITORAMENTO_PDE_PORTA&#x7d;</port>

<username>&#x24;&#x7b;MONITORAMENTO_PDE_USUARIO&#x7d;</username>

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ME</id><enabled>Y</enabled><name>JOBNAME</name></field><field><id>STATUS</id><en
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<schema/>

<table/>

<timeout_days/>

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led>Y</enabled><name>LINES_INPUT</name></field><field><id>LINES_OUTPUT</id><enab
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```

```

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<schema/>

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<specification_method>rep_name</specification_method>

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<filename/>

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<logfile/>

<logext/>

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<add_time>N</add_time>

<loglevel>Basic</loglevel>

<cluster>N</cluster>

<slave_server_name/>

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<follow_abort_remote>N</follow_abort_remote>

<create_parent_folder>N</create_parent_folder>

<logging_remote_work>N</logging_remote_work>

<parameters>          <pass_all_parameters>Y</pass_all_parameters>
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```
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<name>Cria tabela fonte de dados</name>

<description/>

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<sql>&#x24;:&#x7b;SQL_CREATE_TABLE&#x7d;</sql>

<useVariableSubstitution>T</useVariableSubstitution>

<sqlfromfile>F</sqlfromfile>

<sqlfilename/>

<sendOneStatement>T</sendOneStatement>

<connection>MonitoramentoPDE_PostgreSQL</connection>

<parallel>N</parallel>

<draw>Y</draw>

<nr>0</nr>

<xloc>144</xloc>

<yloc>640</yloc>

</entry>

<entry>
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```

<name>Deletar por data inicio e data fim</name>

<description/>

<type>SQL</type>

<sql>delete from
&#xd;&#xa;&#x24;&#x7b;SCHEMA_FONTE_DADOS&#x7d;. &#x24;&#x7b;NOME_TABELA&#x7d;
&#xd;&#xa;where &#x24;&#x7b;COLUNA_DATA&#x7d; between
to_date&#x28;&#x27;&#x24;&#x7b;DATA_INICIO&#x7d;&#x27; ,&#x27;YYYYMMDD&#x27;&#x29;;
and
to_date&#x28;&#x27;&#x24;&#x7b;DATA_FIM&#x7d;&#x27; ,&#x27;YYYYMMDD&#x27;&#x29;.&#x
3b;</sql>

<useVariableSubstitution>T</useVariableSubstitution>

<sqlfromfile>F</sqlfromfile>

<sqlfilename/>

<sendOneStatement>T</sendOneStatement>

<connection>MonitoramentoPDE_PostgreSQL</connection>

<parallel>N</parallel>

<draw>Y</draw>

<nrr>0</nrr>

<xloc>624</xloc>

<yloc>640</yloc>

</entry>

<entry>

<name>Dropar tabela fonte dados</name>

<description/>

<type>SQL</type>

<sql>drop table
&#x24;&#x7b;SCHEMA_FONTE_DADOS&#x7d;. &#x24;&#x7b;NOME_TABELA&#x7d; cascade</sql>

```

```

<useVariableSubstitution>T</useVariableSubstitution>

<sqlfromfile>F</sqlfromfile>

<sqlfilename/>

<sendOneStatement>T</sendOneStatement>

<connection>MonitoramentoPDE_PostgreSQL</connection>

<parallel>N</parallel>

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    <description/>

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    <valuetype>variable</valuetype>

    <fieldname/>

    <variablename>ESTRUTURA_STREAM_BD_IDENTICA</variablename>

    <fieldtype>boolean</fieldtype>

    <mask/>

    <comparevalue/>

    <minvalue/>

    <maxvalue/>

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<successbooleancondition>true</successbooleancondition>

<successwhenvarset>N</successwhenvarset>

<parallel>N</parallel>

<draw>Y</draw>

<nr>0</nr>

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<name>CompararEstruturaFonteBanco</name>

<description/>

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<specification_method>rep_name</specification_method>

<trans_object_id/>

<filename/>

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<params_from_previous>N</params_from_previous>

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<clear_rows>N</clear_rows>

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<logfile/>

<logext/>

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<add_time>N</add_time>

<loglevel>Basic</loglevel>

<cluster>N</cluster>

<slave_server_name/>

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<follow_abort_remote>N</follow_abort_remote>

<create_parent_folder>N</create_parent_folder>

<logging_remote_work>N</logging_remote_work>

<parameters>      <pass_all_parameters>Y</pass_all_parameters>

</parameters>      <parallel>N</parallel>

<draw>Y</draw>

<nr>0</nr>

<xloc>624</xloc>

<yloc>336</yloc>

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<name>Verifica se deve fazer carga parcial pela data inicio</name>

```

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<description/>

<type>SIMPLE_EVAL</type>

<valuetype>variable</valuetype>

<fieldname/>

<variablename>DATA_INICIO</variablename>

<fieldtype>datetime</fieldtype>

<mask>yyyyMMdd</mask>

<comparevalue>19000101</comparevalue>

<minvalue/>

<maxvalue/>

<successcondition>equal</successcondition>

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<successwhenvarset>N</successwhenvarset>

<parallel>N</parallel>

<draw>Y</draw>

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<variablename>DATA_FIM</variablename>

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<name>Encerrar</name>

<description/>

<type>ABORT</type>
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<message>O comando create table n&#xe3;o foi criado &#x28;Linhas
do cabe&#xe7;alho vazias&#x3f;&#x29;</message>

<parallel>N</parallel>

<draw>Y</draw>

<nر>0</nر>

<xloc>384</xloc>

<yloc>240</yloc>

</entry>

<entry>

<name>Verifica se o create table foi criado com sucesso</name>

<description/>

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<fieldname/>

<variablename>SQL_CREATE_TABLE</variablename>

<fieldtype>string</fieldtype>

<mask/>

<comparevalue> </comparevalue>

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<maxvalue/>

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<successwhenvarset>N</successwhenvarset>

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<draw>Y</draw>

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<name>Verifica se a tabela jé; existe no banco</name>

<description/>

<type>TABLE_EXISTS</type>

<tablename>&#x24;&#x7b;NOME_TABELA&#x7d;</tablename>

<schemaname>fonte_dados</schemaname>

<connection>MonitoramentoPDE_PostgreSQL</connection>

<parallel>N</parallel>

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<nrr>0</nrr>

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<yloc>336</yloc>

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<description/>

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<repeat>N</repeat>

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<hour>12</hour>

<minutes>0</minutes>

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<draw>Y</draw>

<nر>0</nر>

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<description/>

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<from>ObterEstruturaFonteDados</from>

<to>Verifica se o create table foi criado com sucesso</to>

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<to_nr>0</to_nr>

<enabled>Y</enabled>

<evaluation>Y</evaluation>

<unconditional>N</unconditional>

</hop>

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<to>Verifica se a tabela j&#xe1; existe no banco</to>

<from_nr>0</from_nr>

<to_nr>0</to_nr>

<enabled>Y</enabled>

<evaluation>Y</evaluation>

<unconditional>N</unconditional>

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    <to>Cria tabela fonte de dados</to>

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    <to_nr>0</to_nr>

    <enabled>Y</enabled>

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    <unconditional>N</unconditional>

</hop>

<hop>

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    <to>Encerrar</to>

    <from_nr>0</from_nr>

    <to_nr>0</to_nr>

    <enabled>Y</enabled>

    <evaluation>N</evaluation>

    <unconditional>N</unconditional>

</hop>

<hop>

    <from>Verifica se a tabela jxe1; existe no banco</from>

    <to>Verifica se deve fazer carga parcial pela data fim</to>

    <from_nr>0</from_nr>

```

```

<to_nr>0</to_nr>

<enabled>Y</enabled>

<evaluation>Y</evaluation>

<unconditional>N</unconditional>

</hop>

<hop>

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<to>CompararEstruturaFonteBanco</to>

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<to_nr>0</to_nr>

<enabled>Y</enabled>

<evaluation>Y</evaluation>

<unconditional>N</unconditional>

</hop>

<hop>

<from>Verifica se deve fazer carga parcial pela data fim</from>

<to>Verifica se deve fazer carga parcial pela data inicio</to>

<from_nr>0</from_nr>

<to_nr>0</to_nr>

<enabled>Y</enabled>

<evaluation>N</evaluation>

<unconditional>N</unconditional>

</hop>

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<hop>

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    <to>Dropar tabela fonte dados</to>

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ExtrairDataNomeArquivo.ktr

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Mapping output</to><enabled>Y</enabled> </hop>

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data nula</to><enabled>Y</enabled> </hop>

<hop> <from>Especificacao Mapping input</from><to>Verifica se insere a
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FiltrarArquivosPelaData.ktr

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        <hop> <from>Obter nome arquivos</from><to>Junta arquivos
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        com parametros</to><enabled>N</enabled> </hop>

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        parametros</from><to>ExtrairDataNomeArquivo</to><enabled>Y</enabled> </hop>

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InputDadosTexto.ktr

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    T_ID</name></field><field><id>OBJECT_REVISION</id><enabled>Y</enabled><name>OB
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    INES_OUTPUT</id><enabled>Y</enabled><name>LINES_OUTPUT</name></field><field><i
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<schema_name/>

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</GUI>

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  </partitioning>

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</GUI>

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InputDadosXlsx.ktr

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<timeout_days/>

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de coluna</to><enabled>Y</enabled> </hop>

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erros conversão de data</to><enabled>N</enabled> </hop>

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    <filemask/>

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  </field>

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    <stream_name>DataArquivo</stream_name>

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</fields>
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</GUI>

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InputEstruturaTexto.ktr

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InputEstruturaXlsx.ktr

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ao resultado</to><enabled>Y</enabled> </hop>

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    <currency/>

    <decimal/>

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<rootUriNameFieldName/>

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</GUI>

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InputListarArquivos.ktr

```

<tr
ans
for
mat
ion
>

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/id><enabled>Y</enabled><name>LINES_READ</name></field><field><id>LINES_WRITTE
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LINES_OUTPUT</id><enabled>Y</enabled><name>LINES_OUTPUT</name></field><field><i
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Arquivos</to><enabled>Y</enabled> </hop>

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Nome Arquivo</to><enabled>Y</enabled> </hop>

<hop> <from>Lista Arquivos</from><to>Retorna arquivos
ao resultado</to><enabled>Y</enabled> </hop>

</order>

<step>

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    <decimal/>

    <group/>

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    <exclude_wildcard_Field/>

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    <cluster_schema/>

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</GUI>

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<replace_by_string>&#x2a;</replace_by_string>

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<out_stream_name/>

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ListarArquivos.kjb

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MonitoramentoPDE_PostgreSQL.kdb

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ObterEstruturaArquivivo.ktr

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do cabe&#xe7;alho</to><enabled>Y</enabled> </hop>

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das colunas</to><enabled>Y</enabled> </hop>

<hop> <from>Filtrar linha do cabe&#xe7;alho</from><to>Descarta
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<hop> <from>Obter linha cabecalho</from><to>Juntar
vari&#xe1;vel</to><enabled>Y</enabled> </hop>

<hop> <from>Teste input arquivo</from><to>Juntar
vari&#xe1;vel</to><enabled>N</enabled> </hop>

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<hop> <from>Teste linha cabecalho</from><to>Juntar
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n&#xe3;o utilizados</to><enabled>Y</enabled> </hop>

<hop> <from>Delete campos n&#xe3;o utilizados</from><to>Retirar campos
n&#xe3;o necess&#xe1;rios e copiar nome
original</to><enabled>Y</enabled> </hop>

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<hop> <from>Trim e lowercase</from><to>Espa&#xe7;o
por underline</to><enabled>Y</enabled> </hop>

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</GUI>

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    <decimal/>

    <group/>

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    <precision>-1</precision>

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    <decimal/>

    <group/>
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    <currency/>

    <decimal/>

    <group/>

</field>

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    <precision>-1</precision>

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    <decimal/>
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    <decimal/>

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    <decimal/>

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    <decimal/>
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    <decimal/>

    <group/>
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<bad_line_files_destination_directory/>
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<error_line_files_destination_directory/>

<error_line_files_extension>error</error_line_files_extension>

<line_number_files_destination_directory/>

<line_number_files_extension>line</line_number_files_extension>

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<pathFieldName/>

<hiddenFieldName/>

<lastModificationTimeFieldName/>

<uriNameFieldName/>

<rootUriNameFieldName/>

<extensionFieldName/>

<sizeFieldName/>

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<cluster_schema/>

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    <yloc>304</yloc>

    <draw>Y</draw>

</GUI>

</step>
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    <type>TransExecutor</type>

    <description/>

    <distribute>N</distribute>

    <custom_distribution/>

    <copies>1</copies>

    <partitioning>

        <method>none</method>

        <schema_name/>

    </partitioning>

    <specification_method>rep_name</specification_method>

    <trans_object_id/>

    <trans_name>&#x24;.&#x7b;TRANS_CARGA_ESTRUTURA&#x7d;</trans_name>

    <filename/>

    <directory_path>&#x2f;</directory_path>

    <group_size>0</group_size>

    <group_field/>

    <group_time/>

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        <variablemapping><variable>filename</variable><field>filename</field><input/></variablemapping>

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    </parameters>

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<execution_result_field>ExecutionResult</execution_result_field>

<execution_errors_field>ExecutionNrErrors</execution_errors_field>

<execution_lines_read_field>ExecutionLinesRead</execution_lines_read_field>

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<execution_files_retrieved_field>ExecutionFilesRetrieved</execution_files_retrieved_field>

<execution_exit_status_field>ExecutionExitStatus</execution_exit_status_field>

<execution_log_text_field>ExecutionLogText</execution_log_text_field>

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<executors_output_step/>

<cluster_schema/>

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    <yloc>288</yloc>

    <draw>Y</draw>

    </GUI>

</step>

<step>

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    <type>JoinRows</type>

    <description/>

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    <custom_distribution/>

    <copies>1</copies>

    <partitioning>

        <method>none</method>

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```

<schema_name/>

</partitioning>

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<compare>

<condition>

<negated>N</negated>

<leftvalue/>

<function>=</function>

<rightvalue/>

</condition>

</compare>

<cluster_schema/>

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<yloc>384</yloc>

<draw>Y</draw>

</GUI>

</step>

<step>

```

```

<name>Numerar as linhas</name>

<type>Sequence</type>

<description/>

<distribute>N</distribute>

<custom_distribution/>

<copies>1</copies>

<partitioning>

<method>none</method>

<schema_name/>

</partitioning>

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<connection>MonitoramentoPDE_PostgreSQL</connection>

<schema/>

<seqname>SEQ_</seqname>

<use_counter>Y</use_counter>

<counter_name/>

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</GUI>

</step>

<step>

<name>Obter linha cabecalho</name>

<type>GetVariable</type>

<description/>

<distribute>Y</distribute>

<custom_distribution/>

<copies>1</copies>

<partitioning>

<method>none</method>

<schema_name/>

</partitioning>

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```

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<decimal/>

<group/>

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</fields>

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<xloc>528</xloc>

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<draw>Y</draw>

</GUI>

</step>

<step>

<name>Obter nome arquivo</name>

<type>GetVariable</type>

<description/>

<distribute>Y</distribute>

<custom_distribution/>

<copies>1</copies>

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</partitioning>

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        <decimal/>

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    <yloc>192</yloc>

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```

<draw>Y</draw>

</GUI>

</step>

<step>

<name>Retirar acentos</name>

<type>ScriptValueMod</type>

<description/>

<distribute>Y</distribute>

<custom_distribution/>

<copies>1</copies>

<partitioning>

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</partitioning>

<compatible>N</compatible>

<optimizationLevel>9</optimizationLevel>

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<jsScript_name>Script 1</jsScript_name>

<jsScript_script>&#x2f;&#x2f;Script
here&#xd;&#xa;&#xd;&#xa;var NomeCampo&#xd;&#xa;&#xd;&#xa;NomeCampo
&#x3d; removeDiacritics &#x28;NomeCampo&#x29;&#x3b;</jsScript_script>

</jsScript>      <jsScript>          <jsScript_type>1</jsScript_type>

<jsScript_name>Item_0</jsScript_name>

```

```

<jsScript_script>&#x2f;&#x2f;Script here&#xd;&#xa;&#xd;&#xa;function
removeDiacritics &#x28;str&#x29; &#x7b;&#xd;&#xa;&#xd;&#xa; var
defaultDiacriticsRemovalMap &#x3d; &#x5b;&#xd;&#xa;
&#x7b;&#x27;base&#x27;&#x3a;&#x27;A&#x27;,
&#x27;letters&#x27;&#x3a;&#x2f;&#x5b;&#x5c;u0041&#x5c;u24B6&#x5c;uFF21&#x5c;u0
0C0&#x5c;u00C1&#x5c;u00C2&#x5c;u1EA6&#x5c;u1EA4&#x5c;u1EAA&#x5c;u1EA8&#x5c;u00
C3&#x5c;u0100&#x5c;u0102&#x5c;u1EB0&#x5c;u1EAE&#x5c;u1EB4&#x5c;u1EB2&#x5c;u022
6&#x5c;u01E0&#x5c;u00C4&#x5c;u01DE&#x5c;u1EA2&#x5c;u00C5&#x5c;u01FA&#x5c;u01CD
&#x5c;u0200&#x5c;u0202&#x5c;u1EA0&#x5c;u1EAC&#x5c;u1EB6&#x5c;u1E00&#x5c;u0104&
#x5c;u023A&#x5c;u2C6F&#x5d;&#x2f;g&#x7d;, &#xd; &#xa;
&#x7b;&#x27;base&#x27;&#x3a;&#x27;AA&#x27;, &#x27;letters&#x27;&#x3a;&#x2f;&#x5
b;&#x5c;uA732&#x5d;&#x2f;g&#x7d;, &#xd; &#xa;
&#x7b;&#x27;base&#x27;&#x3a;&#x27;AE&#x27;, &#x27;letters&#x27;&#x3a;&#x2f;&#x5
b;&#x5c;u00C6&#x5c;u01FC&#x5c;u01E2&#x5d;&#x2f;g&#x7d;, &#xd; &#xa;
&#x7b;&#x27;base&#x27;&#x3a;&#x27;AO&#x27;, &#x27;letters&#x27;&#x3a;&#x2f;&#x5
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&#x27;letters&#x27;&#x3a;&#x2f;&#x5b;&#x5c;u0042&#x5c;u24B7&#x5c;uFF22&#x5c;u1
E02&#x5c;u1E04&#x5c;u1E06&#x5c;u0243&#x5c;u0182&#x5d;&#x2f;g&#x7d;, &#xd; &#xa;
&#x7b;&#x27;base&#x27;&#x3a;&#x27;C&#x27;,
&#x27;letters&#x27;&#x3a;&#x2f;&#x5b;&#x5c;u0043&#x5c;u24B8&#x5c;uFF23&#x5c;u0
106&#x5c;u0108&#x5c;u010A&#x5c;u010C&#x5c;u00C7&#x5c;u1E08&#x5c;u0187&#x5c;u02
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&#x7b;&#x27;base&#x27;&#x3a;&#x27;DZ&#x27;, &#x27;letters&#x27;&#x3a;&#x2f;&#x5
b;&#x5c;u01F1&#x5c;u01C4&#x5d;&#x2f;g&#x7d;, &#xd; &#xa;
&#x7b;&#x27;base&#x27;&#x3a;&#x27;Dz&#x27;, &#x27;letters&#x27;&#x3a;&#x2f;&#x5
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&#x7b;&#x27;base&#x27;&#x3a;&#x27;E&#x27;,
&#x27;letters&#x27;&#x3a;&#x2f;&#x5b;&#x5c;u0045&#x5c;u24BA&#x5c;uFF25&#x5c;u0
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BC&#x5c;u0112&#x5c;u1E14&#x5c;u1E16&#x5c;u0114&#x5c;u0116&#x5c;u00CB&#x5c;u1EB
A&#x5c;u011A&#x5c;u0204&#x5c;u0206&#x5c;u1EB8&#x5c;u1EC6&#x5c;u0228&#x5c;u1E1C
&#x5c;u0118&#x5c;u1E18&#x5c;u1E1A&#x5c;u0190&#x5c;u018E&#x5d;&#x2f;g&#x7d;, &#x
d; &#xa; &#x7b;&#x27;base&#x27;&#x3a;&#x27;F&#x27;,
&#x27;letters&#x27;&#x3a;&#x2f;&#x5b;&#x5c;u0046&#x5c;u24BB&#x5c;uFF26&#x5c;u1
E1E&#x5c;u0191&#x5c;uA77B&#x5d;&#x2f;g&#x7d;, &#xd; &#xa;

```

{#x27;base#x27;#x3a;#x27;G#x27;,
 #x27;letters#x27;#x3a;#x2f;#x5b;#x5c;u0047#x5c;u24BC#x5c;uFF27#x5c;u0
 1F4#x5c;u011C#x5c;u1E20#x5c;u011E#x5c;u0120#x5c;u01E6#x5c;u0122#x5c;u01
 E4#x5c;u0193#x5c;uA7A0#x5c;uA77D#x5c;uA77E#x5d;#x2f;g#x7d;,#xd;#xa;
 #x7b;#x27;base#x27;#x3a;#x27;H#x27;,
 #x27;letters#x27;#x3a;#x2f;#x5b;#x5c;u0048#x5c;u24BD#x5c;uFF28#x5c;u0
 124#x5c;u1E22#x5c;u1E26#x5c;u021E#x5c;u1E24#x5c;u1E28#x5c;u1E2A#x5c;u01
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 #x7b;#x27;base#x27;#x3a;#x27;I#x27;,
 #x27;letters#x27;#x3a;#x2f;#x5b;#x5c;u0049#x5c;u24BE#x5c;uFF29#x5c;u0
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 E#x5c;u1E2C#x5c;u0197#x5d;#x2f;g#x7d;,#xd;#xa;
 #x7b;#x27;base#x27;#x3a;#x27;J#x27;,
 #x27;letters#x27;#x3a;#x2f;#x5b;#x5c;u004A#x5c;u24BF#x5c;uFF2A#x5c;u0
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 #x7b;#x27;base#x27;#x3a;#x27;K#x27;,
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 40#x5c;uA742#x5c;uA744#x5c;uA7A2#x5d;#x2f;g#x7d;,#xd;#xa;
 #x7b;#x27;base#x27;#x3a;#x27;L#x27;,#x27;letters#x27;#x3a;#x2f;#x5
 b;#x5c;u01C7#x5d;#x2f;g#x7d;,#xd;#xa;
 #x7b;#x27;base#x27;#x3a;#x27;Lj#x27;,#x27;letters#x27;#x3a;#x2f;#x5
 b;#x5c;u01C8#x5d;#x2f;g#x7d;,#xd;#xa;
 #x7b;#x27;base#x27;#x3a;#x27;M#x27;,
 #x27;letters#x27;#x3a;#x2f;#x5b;#x5c;u004C#x5c;u24C1#x5c;uFF2C#x5c;u0
 13F#x5c;u0139#x5c;u013D#x5c;u1E36#x5c;u1E38#x5c;u013B#x5c;u1E3C#x5c;u1E
 3A#x5c;u0141#x5c;u023D#x5c;u2C62#x5c;u2C60#x5c;uA748#x5c;uA746#x5c;uA78
 0#x5d;#x2f;g#x7d;,#xd;#xa;
 #x7b;#x27;base#x27;#x3a;#x27;LJ#x27;,#x27;letters#x27;#x3a;#x2f;#x5
 b;#x5c;u01C7#x5d;#x2f;g#x7d;,#xd;#xa;
 #x7b;#x27;base#x27;#x3a;#x27;Lj#x27;,#x27;letters#x27;#x3a;#x2f;#x5
 b;#x5c;u01C8#x5d;#x2f;g#x7d;,#xd;#xa;
 #x7b;#x27;base#x27;#x3a;#x27;N#x27;,
 #x27;letters#x27;#x3a;#x2f;#x5b;#x5c;u004D#x5c;u24C2#x5c;uFF2D#x5c;u1
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 #x7b;#x27;base#x27;#x3a;#x27;NJ#x27;,#x27;letters#x27;#x3a;#x2f;#x5
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 #x7b;#x27;base#x27;#x3a;#x27;Nj#x27;,#x27;letters#x27;#x3a;#x2f;#x5
 b;#x5c;u01CB#x5d;#x2f;g#x7d;,#xd;#xa;
 #x7b;#x27;base#x27;#x3a;#x27;O#x27;,
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 D5#x5c;u1E4C#x5c;u022C#x5c;u1E4E#x5c;u014C#x5c;u1E50#x5c;u1E52#x5c;u014
 E#x5c;u022E#x5c;u0230#x5c;u00D6#x5c;u022A#x5c;u1ECE#x5c;u0150#x5c;u01D1

\ u020C\ u020E\ u01A0\ u1EDC\ u1EDA\ u1EE0\ u1EDE&
 #x5c; u1EE2\ u1ECC\ u1ED8\ u01EA\ u01EC\ u00D8\ u01FE&
 x5c; u0186\ u019F\ uA74A\ uA74C] / g} , 

 { ' base' : ' OI' , ' letters' : /
 b; \ u01A2] / g} , 

 { ' base' : ' 00' , ' letters' : /
 b; \ uA74E] / g} , 

 { ' base' : ' OU' , ' letters' : /
 b; \ u0222] / g} , 

 { ' base' : ' P' ,
 ' letters' : / [\ u0050\ u24C5\ uFF30\ u1
 E54\ u1E56\ u01A4\ u2C63\ uA750\ uA752\ uA754] &#x
 2f; g} , 
 { ' base' : ' Q' ,
 ' letters' : / [\ u0051\ u24C6\ uFF31\ uA
 756\ uA758\ u024A] / g} , 

 { ' base' : ' R' ,
 ' letters' : / [\ u0052\ u24C7\ uFF32\ u0
 154\ u1E58\ u0158\ u0210\ u0212\ u1E5A\ u1E5C\ u01
 56\ u1E5E\ u024C\ u2C64\ uA75A\ uA7A6\ uA782]
 f; g} , 
 { ' base' : ' S' ,
 ' letters' : / [\ u0053\ u24C8\ uFF33\ u1
 E9E\ u015A\ u1E64\ u015C\ u1E60\ u0160\ u1E66\ u1E
 62\ u1E68\ u0218\ u015E\ u2C7E\ uA7A8\ uA784]
 f; g} , 
 { ' base' : ' T' ,
 ' letters' : / [\ u0054\ u24C9\ uFF34\ u1
 E6A\ u0164\ u1E6C\ u021A\ u0162\ u1E70\ u1E6E\ u01
 66\ u01AC\ u01AE\ u023E\ uA786] / g} , 

 { ' base' : ' TZ' , ' letters' : /
 b; \ uA728] / g} , 

 { ' base' : ' U' ,
 ' letters' : / [\ u0055\ u24CA\ uFF35\ u0
 0D9\ u00DA\ u00DB\ u0168\ u1E78\ u016A\ u1E7A\ u01
 6C\ u00DC\ u01DB\ u01D7\ u01D5\ u01D9\ u1EE6\ u016
 E\ u0170\ u01D3\ u0214\ u0216\ u01AF\ u1EEA\ u1EE8
 \ u1EEE\ u1EEC\ u1EF0\ u1EE4\ u1E72\ u0172\ u1E76&
 #x5c; u1E74\ u0244] / g} , 

 { ' base' : ' V' ,
 ' letters' : / [\ u0056\ u24CB\ uFF36\ u1
 E7C\ u1E7E\ u01B2\ uA75E\ u0245] / g} , 

 { ' base' : ' VY' , ' letters' : /
 b; \ uA760] / g} , 

 { ' base' : ' W' ,
 ' letters' : / [\ u0057\ u24CC\ uFF37\ u1
 E80\ u1E82\ u0174\ u1E86\ u1E84\ u1E88\ u2C72] &#x
 2f; g} , 
 { ' base' : ' X' ,
 ' letters' : / [\ u0058\ u24CD\ uFF38\ u1

E8A\u1E8C]/g}, 

{ ' base' : ' Y' ,
' letters' : / [\ u0059\ u24CE\ uFF39\ u1
EF2\ u00DD\ u0176\ u1EF8\ u0232\ u1E8E\ u0178\ u1E
F6\ u1EF4\ u01B3\ u024E\ u1EFE] / g}, 

{ ' base' : ' Z' ,
' letters' : / [\ u005A\ u24CF\ uFF3A\ u0
179\ u1E90\ u017B\ u017D\ u1E92\ u1E94\ u01B5\ u02
24\ u2C7F\ u2C6B\ uA762] / g}, 

{ ' base' : ' a' ,
' letters' : / [\ u0061\ u24D0\ uFF41\ u1
E9A\ u00E0\ u00E1\ u00E2\ u1EA7\ u1EA5\ u1EAB\ u1E
A9\ u00E3\ u0101\ u0103\ u1EB1\ u1EAF\ u1EB5\ u1EB
3\ u0227\ u01E1\ u00E4\ u01DF\ u1EA3\ u00E5\ u01FB
\ u01CE\ u0201\ u0203\ u1EA1\ u1EAD\ u1EB7\ u1E01&
#x5c; u0105\ u2C65\ u0250] / g}, 

{ ' base' : ' aa' , ' letters' : /
b; \ uA733] / g} , 

{ ' base' : ' ae' , ' letters' : /
b; \ u00E6\ u01FD\ u01E3] / g} , 

{ ' base' : ' ao' , ' letters' : /
b; \ uA735] / g} , 

{ ' base' : ' au' , ' letters' : /
b; \ uA737] / g} , 

{ ' base' : ' av' , ' letters' : /
b; \ uA739\ uA73B] / g} , 

{ ' base' : ' ay' , ' letters' : /
b; \ uA73D] / g} , 

{ ' base' : ' b' ,
' letters' : / [\ u0062\ u24D1\ uFF42\ u1
E03\ u1E05\ u1E07\ u0180\ u0183\ u0253] / g} ,

 { ' base' : ' c' ,
' letters' : / [\ u0063\ u24D2\ uFF43\ u0
107\ u0109\ u010B\ u010D\ u00E7\ u1E09\ u0188\ u02
3C\ uA73F\ u2184] / g} , 

{ ' base' : ' d' ,
' letters' : / [\ u0064\ u24D3\ uFF44\ u1
E0B\ u010F\ u1E0D\ u1E11\ u1E13\ u1E0F\ u0111\ u01
8C\ u0256\ u0257\ uA77A] / g} , 

{ ' base' : ' dz' , ' letters' : /
b; \ u01F3\ u01C6] / g} , 

{ ' base' : ' e' ,
' letters' : / [\ u0065\ u24D4\ uFF45\ u0
0E8\ u00E9\ u00EA\ u1EC1\ u1EBF\ u1EC5\ u1EC3\ u1E
BD\ u0113\ u1E15\ u1E17\ u0115\ u0117\ u00EB\ u1EB
B\ u011B\ u0205\ u0207\ u1EB9\ u1EC7\ u0229\ u1E1D

\ u0119\ u1E19\ u1E1B\ u0247\ u025B\ u01DD] /
 g} , 
 { ' base' : ' f' ;
 ' letters' : / [\ u0066\ u24D5\ uFF46\ u1
 E1F\ u0192\ uA77C] / g} , 

 { ' base' : ' g' ,
 ' letters' : / [\ u0067\ u24D6\ uFF47\ u0
 1F5\ u011D\ u1E21\ u011F\ u0121\ u01E7\ u0123\ u01
 E5\ u0260\ uA7A1\ u1D79\ uA77F] / g} , 

 { ' base' : ' h' ,
 ' letters' : / [\ u0068\ u24D7\ uFF48\ u0
 125\ u1E23\ u1E27\ u021F\ u1E25\ u1E29\ u1E2B\ u1E
 96\ u0127\ u2C68\ u2C76\ u0265] / g} , 

 { ' base' : ' hv' , ' letters' : /
 b; \ u0195] / g} , 

 { ' base' : ' i' ,
 ' letters' : / [\ u0069\ u24D8\ uFF49\ u0
 0EC\ u00ED\ u00EE\ u0129\ u012B\ u012D\ u00EF\ u1E
 2F\ u1EC9\ u01D0\ u0209\ u020B\ u1ECB\ u012F\ u1E2
 D\ u0268\ u0131] / g} , 

 { ' base' : ' j' ,
 ' letters' : / [\ u006A\ u24D9\ uFF4A\ u0
 135\ u01F0] / g} , 

 { ' base' : ' k' ,
 ' letters' : / [\ u006B\ u24DA\ uFF4B\ u1
 E31\ u01E9\ u1E33\ u0137\ u1E35\ u0199\ u2C6A\ uA7
 41\ uA743\ uA745\ uA7A3] / g} , 

 { ' base' : ' l' ,
 ' letters' : / [\ u006C\ u24DB\ uFF4C\ u0
 140\ u013A\ u013E\ u1E37\ u1E39\ u013C\ u1E3D\ u1E
 3B\ u017F\ u0142\ u019A\ u026B\ u2C61\ uA749\ uA78
 1\ uA747] / g} , 

 { ' base' : ' 1j' , ' letters' : /
 b; \ u01C9] / g} , 

 { ' base' : ' m' ,
 ' letters' : / [\ u006D\ u24DC\ uFF4D\ u1
 E3F\ u1E41\ u1E43\ u0271\ u026F] / g} , 

 { ' base' : ' n' ,
 ' letters' : / [\ u006E\ u24DD\ uFF4E\ u0
 1F9\ u0144\ u00F1\ u1E45\ u0148\ u1E47\ u0146\ u1E
 4B\ u1E49\ u019E\ u0272\ u0149\ uA791\ uA7A5]
 f; g} , 

 { ' base' : ' nj' , ' letters' : /
 b; \ u01CC] / g} , 

 { ' base' : ' o' ,
 ' letters' : / [\ u006F\ u24DE\ uFF4F\ u0
 0F2\ u00F3\ u00F4\ u1ED3\ u1ED1\ u1ED7\ u1ED5\ u00

F5\u1E4D\u022D\u1E4F\u014D\u1E51\u1E53\u014F\u022F\u0231\u00F6\u022B\u1ECF\u0151\u01D2\u020D\u020F\u01A1\u1EDD\u1EDB\u1EE1\u1EDF\u1EE3\u1ECD\u1ED9\u01EB\u01ED\u00F8\u01FF\u0254\uA74B\uA74D\u0275],/g},,
{,'base',:,'oi','letters',:,/,[,\u01A3],/g},,
{,'base',:,'ou','letters',:,/,[,\u0223],/g},,
{,'base',:,'oo','letters',:,/,[,\uA74F],/g},,
{,'base',:,'p','letters',:,/,[,\u0070\u24DF\uFF50\u1E55\u1E57\u01A5\u1D7D\uA751\uA753\uA755],/g},,
{,'base',:,'q','letters',:,/,[,\u0071\u24E0\uFF51\u024B\uA757\uA759],/g},,
{,'base',:,'r','letters',:,/,[,\u0072\u24E1\uFF52\u0155\u1E59\u0159\u0211\u0213\u1E5B\u1E5D\u0157\u1E5F\u024D\u027D\uA75B\uA7A7\uA783],/g},,
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```

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;&#x5c;u0078&#x5c;u24E7&#x5c;uFF58&#x5c;u1E8B&#x5c;u1E8D&#x5d;&#x2f;g&#x7d;;&
xd;&#xa;
&#x7b;&#x27;base&#x27;&#x3a;&#x27;y&#x27;;&#x27;letters&#x27;&#x3a;&#x2f;&#x5b
;&#x5c;u0079&#x5c;u24E8&#x5c;uFF59&#x5c;u1EF3&#x5c;u00FD&#x5c;u0177&#x5c;u1EF9
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#x5d;&#x2f;g&#x7d;&#xd;&#xa; &#x5d;&#x3b;&#xd;&#xa; &#xd;&#xa; for&#x28;var
i&#x3d;0&#x3b; i&#x3c;defaultDiacriticsRemovalMap.length&#x3b;
i&#x2b;&#x2b;&#x29; &#x7b;&#xd;&#xa; str &#x3d;
str.replace&#x28;defaultDiacriticsRemovalMap&#x5b;i&#x5d;.base&#x29;&#x3b;&#xd;&#xa;
&#x7d;&#xd;&#xa;&#xd;&#xa; return
str&#x3b;&#xd;&#xa;&#xd;&#x7d;</jsScript_script>

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</GUI>

</step>

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    <description/>

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    <custom_distribution/>

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    </partitioning>

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        <rename>NomeCampoOriginal</rename>

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        <rename/>

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        </step>

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    <description/>

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    <custom_distribution/>

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            <out_stream_name/>

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&#x2b;&#x21;&#x26;&#x5c;&#x2a;&#x3b;&#x3a;&#x7b;&#x7d;&#x3d;&#x5c; -
&#x60;&#x7c;&#x7e;&#x28;&#x29;&#xb0;&#xba;&#xaa;&#xb9;&#xb2;&#xb3;&#x5c;s&#x5d
;*</replace_string>

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    <yloc>832</yloc>

    <draw>Y</draw>

</GUI>

</step>

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</GUI>

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no banco</to><enabled>Y</enabled> </hop>

    <hop> <from>Comando criar tabela no banco</from><to>Retorna nome das
colunas e ordem</to><enabled>Y</enabled> </hop>

    <hop> <from>Obter relacao de
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    <hop> <from>Obter variáveis colunas data</from><to>Normalizar
colunas de data</to><enabled>N</enabled> </hop>

    <hop> <from>Obter maior indice do campo quando
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&#x2b; &#x27;.&#x27; &#x2b;
getVariable&#x28;&#x27;NOME_TABELA&#x27;, &#x27;&#x27;&#x29; &#xd;=&#xa;
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timestamp&#x27;&#xd;&#xa;           &#x2b; &#x27;&#x5c;n
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<custom_distribution/>

<copies>1</copies>

<partitioning>

<method>none</method>

```

```

<schema_name/>

</partitioning>

<join_type>LEFT OUTER</join_type>

<step1>Ordenar pelo nome para o merge join</step1>

<step2>Ordenar pelo nome coluna data para o merge join</step2>

<keys_1>

    <key>NomeCampo</key>

</keys_1>

<keys_2>

    <key>coluna_data</key>

</keys_2>

<cluster_schema/>

<remotesteps> <input> </input> <output> </output> </remotesteps> <GUI>

    <xloc>160</xloc>

    <yloc>464</yloc>

    <draw>Y</draw>

</GUI>

</step>

<step>

    <name>Join int pelo nome da coluna</name>

    <type>MergeJoin</type>

    <description/>

```

```

<distribute>N</distribute>

<custom_distribution/>

<copies>1</copies>

<partitioning>

    <method>none</method>

    <schema_name/>

</partitioning>

<join_type>LEFT OUTER</join_type>

<step1>Join num pelo nome da coluna</step1>

<step2>Ordenar pelo nome coluna inteiro para o merge join</step2>

<keys_1>

    <key>NomeCampo</key>

</keys_1>

<keys_2>

    <key>coluna_inteiro</key>

</keys_2>

<cluster_schema/>

<remotesteps> <input> </input> <output> </output> </remotesteps> <GUI>

    <xloc>160</xloc>

    <yloc>720</yloc>

    <draw>Y</draw>

</GUI>

```

```
</step>

<step>

    <name>Join num pelo nome da coluna</name>

    <type>MergeJoin</type>

    <description/>

    <distribute>N</distribute>

    <custom_distribution/>

    <copies>1</copies>

    <partitioning>

        <method>none</method>

        <schema_name/>

    </partitioning>

    <join_type>LEFT OUTER</join_type>

    <step1>Join data pelo nome da coluna</step1>

    <step2>Ordenar pelo nome coluna numerica para o merge join</step2>

    <keys_1>

        <key>NomeCampo</key>

    </keys_1>

    <keys_2>

        <key>coluna_numerica</key>

    </keys_2>

    <cluster_schema/>
```

```

<remotesteps> <input> </input> <output> </output> </remotesteps> <GUI>

    <xloc>160</xloc>

    <yloc>592</yloc>

    <draw>Y</draw>

</GUI>

</step>

<step>

    <name>Normalizar colunas de data</name>

    <type>Normaliser</type>

    <description/>

    <distribute>Y</distribute>

    <custom_distribution/>

    <copies>1</copies>

    <partitioning>

        <method>none</method>

        <schema_name/>

    </partitioning>

<typefield>id</typefield>

    <fields>      <field>      <name>COLUNA_DATA_1</name>

        <value>1</value>

        <norm>coluna_data</norm>

    </field>      <field>      <name>COLUNA_DATA_2</name>

```

```
<value>2</value>

<norm>coluna_data</norm>

</field>      <field>      <name>COLUNA_DATA_3</name>

<value>3</value>

<norm>coluna_data</norm>

</field>      <field>      <name>COLUNA_DATA_4</name>

<value>4</value>

<norm>coluna_data</norm>

</field>      <field>      <name>COLUNA_DATA_5</name>

<value>5</value>

<norm>coluna_data</norm>

</field>      <field>      <name>COLUNA_DATA_6</name>

<value>6</value>

<norm>coluna_data</norm>

</field>      <field>      <name>COLUNA_DATA_7</name>

<value>7</value>

<norm>coluna_data</norm>

</field>      <field>      <name>COLUNA_DATA_8</name>

<value>8</value>

<norm>coluna_data</norm>

</field>      <field>      <name>COLUNA_DATA_9</name>

<value>9</value>

<norm>coluna_data</norm>
```

```
</field>      <field>      <name>COLUNA_DATA_10</name>

<value>10</value>

<norm>coluna_data</norm>

</field>      <field>      <name>FORMATO_COLUNA_DATA_1</name>

<value>1</value>

<norm>formato_data</norm>

</field>      <field>      <name>FORMATO_COLUNA_DATA_2</name>

<value>2</value>

<norm>formato_data</norm>

</field>      <field>      <name>FORMATO_COLUNA_DATA_3</name>

<value>3</value>

<norm>formato_data</norm>

</field>      <field>      <name>FORMATO_COLUNA_DATA_4</name>

<value>4</value>

<norm>formato_data</norm>

</field>      <field>      <name>FORMATO_COLUNA_DATA_5</name>

<value>5</value>

<norm>formato_data</norm>

</field>      <field>      <name>FORMATO_COLUNA_DATA_6</name>

<value>6</value>

<norm>formato_data</norm>

</field>      <field>      <name>FORMATO_COLUNA_DATA_7</name>

<value>7</value>
```

```

<norm>formato_data</norm>

</field>      <field>      <name>FORMATO_COLUNA_DATA_8</name>

<value>8</value>

<norm>formato_data</norm>

</field>      <field>      <name>FORMATO_COLUNA_DATA_9</name>

<value>9</value>

<norm>formato_data</norm>

</field>      <field>      <name>FORMATO_COLUNA_DATA_10</name>

<value>10</value>

<norm>formato_data</norm>

</field>      </fields>      <cluster_schema/>

<remotesteps> <input> </input> <output> </output> </remotesteps> <GUI>

<xloc>656</xloc>

<yloc>464</yloc>

<draw>Y</draw>

</GUI>

</step>

<step>

<name>Normalizar colunas inteiro</name>

<type>Normaliser</type>

<description/>

```

```
<distribute>Y</distribute>

<custom_distribution/>

<copies>1</copies>

<partitioning>

    <method>none</method>

    <schema_name/>

</partitioning>

<typefield>id</typefield>

<fields>      <field>          <name>COLUNA_INTEIRO_1</name>

    <value>1</value>

    <norm>coluna_inteiro</norm>

    </field>      <field>          <name>COLUNA_INTEIRO_2</name>

    <value>2</value>

    <norm>coluna_inteiro</norm>

    </field>      <field>          <name>COLUNA_INTEIRO_3</name>

    <value>3</value>

    <norm>coluna_inteiro</norm>

    </field>      <field>          <name>COLUNA_INTEIRO_4</name>

    <value>4</value>

    <norm>coluna_inteiro</norm>

    </field>      <field>          <name>COLUNA_INTEIRO_5</name>

    <value>5</value>

    <norm>coluna_inteiro</norm>
```

```

</field>      <field>      <name>COLUNA_INTEIRO_6</name>

<value>6</value>

<norm>coluna_inteiro</norm>

</field>      <field>      <name>COLUNA_INTEIRO_7</name>

<value>7</value>

<norm>coluna_inteiro</norm>

</field>      <field>      <name>COLUNA_INTEIRO_8</name>

<value>8</value>

<norm>coluna_inteiro</norm>

</field>      <field>      <name>COLUNA_INTEIRO_9</name>

<value>9</value>

<norm>coluna_inteiro</norm>

</field>      <field>      <name>COLUNA_INTEIRO_10</name>

<value>10</value>

<norm>coluna_inteiro</norm>

</field>      </fields>      <cluster_schema/>

<remotesteps> <input> </input> <output> </output> </remotesteps> <GUI>

<xloc>656</xloc>

<yloc>720</yloc>

<draw>Y</draw>

</GUI>

</step>

```

```

<step>

    <name>Normalizar colunas num  ricas</name>

    <type>Normaliser</type>

    <description/>

    <distribute>Y</distribute>

    <custom_distribution/>

    <copies>1</copies>

    <partitioning>

        <method>none</method>

        <schema_name/>

    </partitioning>

    <typefield>id</typefield>

    <fields>      <field>          <name>COLUNA_NUMERICA_1</name>

        <value>1</value>

        <norm>coluna_numerica</norm>

        </field>      <field>          <name>COLUNA_NUMERICA_2</name>

        <value>2</value>

        <norm>coluna_numerica</norm>

        </field>      <field>          <name>COLUNA_NUMERICA_3</name>

        <value>3</value>

        <norm>coluna_numerica</norm>

        </field>      <field>          <name>COLUNA_NUMERICA_4</name>

        <value>4</value>

```

```

<norm>coluna_numerica</norm>

</field>      <field>      <name>COLUNA_NUMERICA_5</name>

<value>5</value>

<norm>coluna_numerica</norm>

</field>      <field>      <name>COLUNA_NUMERICA_6</name>

<value>6</value>

<norm>coluna_numerica</norm>

</field>      <field>      <name>COLUNA_NUMERICA_7</name>

<value>7</value>

<norm>coluna_numerica</norm>

</field>      <field>      <name>COLUNA_NUMERICA_8</name>

<value>8</value>

<norm>coluna_numerica</norm>

</field>      <field>      <name>COLUNA_NUMERICA_9</name>

<value>9</value>

<norm>coluna_numerica</norm>

</field>      <field>      <name>COLUNA_NUMERICA_10</name>

<value>10</value>

<norm>coluna_numerica</norm>

</field>      </fields>    <cluster_schema/>

<remotesteps> <input> </input> <output> </output> </remotesteps> <GUI>

<xloc>656</xloc>

```

```

<yloc>592</yloc>

<draw>Y</draw>

</GUI>

</step>

<step>

    <name>Obter colunas formatadas</name>

    <type>TableInput</type>

    <description/>

    <distribute>N</distribute>

    <custom_distribution/>

    <copies>1</copies>

    <partitioning>

        <method>none</method>

        <schema_name/>

    </partitioning>

    <connection>MonitoramentoPDE_PostgreSQL</connection>

    <sql>SELECT &#xd;&#xa;id_coluna&#xd;&#xa;,id_fonte_dados&#xd;&#xa;,case tipo
when &#x27;territorio&#x27; then &#x27;inteiro&#x27; else tipo end as
tipo&#xd;&#xa;,nome&#xd;&#xa;,formato&#xd;&#xa;,id_territorio&#xd;&#xa;,tipo_t
erritorio FROM sistema.coluna WHERE id_fonte_dados &#x3d;
&#x24;&#x7b;ID_FONTE_DADOS&#x7d;</sql>

    <limit>0</limit>

    <lookup/>

    <execute_each_row>N</execute_each_row>

```

```

<variables_active>Y</variables_active>

<lazy_conversion_active>N</lazy_conversion_active>

<cluster_schema/>

<remotesteps> <input> </input> <output> </output> </remotesteps> <GUI>

<xloc>960</xloc>

<yloc>528</yloc>

<draw>Y</draw>

</GUI>

</step>

<step>

<name>Obter maior indice do campo quando houver duplicado</name>

<type>MemoryGroupBy</type>

<description/>

<distribute>Y</distribute>

<custom_distribution/>

<copies>1</copies>

<partitioning>

<method>none</method>

<schema_name/>

</partitioning>

<give_back_row>N</give_back_row>

<group>

```

```

<field>

    <name>NomeCampo</name>

</field>

</group>

<fields>

    <field>

        <aggregate>IndiceCampo</aggregate>

        <subject>IndiceCampo</subject>

        <type>MAX</type>

        <valuefield/>

    </field>

</fields>

<cluster_schema/>

<remotesteps> <input> </input> <output> </output> </remotesteps> <GUI>

    <xloc>160</xloc>

    <yloc>272</yloc>

    <draw>Y</draw>

</GUI>

</step>

<step>

    <name>Obter relacao de arquivos</name>

```

```

<type>RowsFromResult</type>

<description/>

<distribute>Y</distribute>

<custom_distribution/>

<copies>1</copies>

<partitioning>

<method>none</method>

<schema_name/>

</partitioning>

<fields>      <field>      <name>filename</name>

<type>String</type>

<length>-1</length>

<precision>-1</precision>

</field>      <field>      <name>extension</name>

<type>String</type>

<length>-1</length>

<precision>-1</precision>

</field>      </fields>      <cluster_schema/>

<remotesteps> <input> </input> <output> </output> </remotesteps> <GUI>

<xloc>160</xloc>

<yloc>80</yloc>

<draw>Y</draw>

</GUI>

```

```
</step>

<step>

    <name>Obter variáveis colunas data</name>

    <type>GetVariable</type>

    <description/>

    <distribute>Y</distribute>

    <custom_distribution/>

    <copies>1</copies>

    <partitioning>

        <method>none</method>

        <schema_name/>

    </partitioning>

    <fields>

        <field>

            <name>COLUNA_DATA_1</name>

            <variable>&#x24;&#x7b;COLUNA_DATA_1&#x7d;</variable>

            <type>String</type>

            <format/>

            <currency/>

            <decimal/>

            <group/>

            <length>-1</length>

        </field>
    </fields>
</step>
```

```
<precision>-1</precision>

<trim_type>none</trim_type>

</field>

<field>

<name>FORMATO_COLUNA_DATA_1</name>

<variable>&#x24;&#x7b;FORMATO_COLUNA_DATA_1&#x7d;</variable>

<type>String</type>

<format/>

<currency/>

<decimal/>

<group/>

<length>-1</length>

<precision>-1</precision>

<trim_type>none</trim_type>

</field>

<field>

<name>COLUNA_DATA_2</name>

<variable>&#x24;&#x7b;COLUNA_DATA_2&#x7d;</variable>

<type>String</type>

<format/>

<currency/>

<decimal/>

<group/>
```

```
<length>-1</length>

<precision>-1</precision>

<trim_type>none</trim_type>

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<field>

<name>FORMATO_COLUNA_DATA_2</name>

<variable>&#x24;&#x7b;FORMATO_COLUNA_DATA_2&#x7d;</variable>

<type>String</type>

<format/>

<currency/>

<decimal/>

<group/>

<length>-1</length>

<precision>-1</precision>

<trim_type>none</trim_type>

</field>

<field>

<name>COLUNA_DATA_3</name>

<variable>&#x24;&#x7b;COLUNA_DATA_3&#x7d;</variable>

<type>String</type>

<format/>

<currency/>

<decimal/>
```

```
<group/>

<length>-1</length>

<precision>-1</precision>

<trim_type>none</trim_type>

</field>

<field>

<name>FORMATO_COLUNA_DATA_3</name>

<variable>&#x24;&#x7b;FORMATO_COLUNA_DATA_3&#x7d;</variable>

<type>String</type>

<format/>

<currency/>

<decimal/>

<group/>

<length>-1</length>

<precision>-1</precision>

<trim_type>none</trim_type>

</field>

<field>

<name>COLUNA_DATA_4</name>

<variable>&#x24;&#x7b;COLUNA_DATA_4&#x7d;</variable>

<type>String</type>

<format/>

<currency/>
```

```
<decimal/>

<group/>

<length>-1</length>

<precision>-1</precision>

<trim_type>none</trim_type>

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<field>

<name>FORMATO_COLUNA_DATA_4</name>

<variable>&#x24;&#x7b;FORMATO_COLUNA_DATA_4&#x7d;</variable>

<type>String</type>

<format/>

<currency/>

<decimal/>

<group/>

<length>-1</length>

<precision>-1</precision>

<trim_type>none</trim_type>

</field>

<field>

<name>COLUNA_DATA_5</name>

<variable>&#x24;&#x7b;COLUNA_DATA_5&#x7d;</variable>

<type>String</type>

<format/>
```

```
<currency/>

<decimal/>

<group/>

<length>-1</length>

<precision>-1</precision>

<trim_type>none</trim_type>

</field>

<field>

<name>FORMATO_COLUNA_DATA_5</name>

<variable>&#x24;&#x7b;FORMATO_COLUNA_DATA_5&#x7d;</variable>

<type>String</type>

<format/>

<currency/>

<decimal/>

<group/>

<length>-1</length>

<precision>-1</precision>

<trim_type>none</trim_type>

</field>

<field>

<name>COLUNA_DATA_6</name>

<variable>&#x24;&#x7b;COLUNA_DATA_6&#x7d;</variable>

<type>String</type>
```

```
<format/>

<currency/>

<decimal/>

<group/>

<length>-1</length>

<precision>-1</precision>

<trim_type>none</trim_type>

</field>

<field>

<name>FORMATO_COLUNA_DATA_6</name>

<variable>&#x24;.&#7b;FORMATO_COLUNA_DATA_6&#x7d;</variable>

<type>String</type>

<format/>

<currency/>

<decimal/>

<group/>

<length>-1</length>

<precision>-1</precision>

<trim_type>none</trim_type>

</field>

<field>

<name>COLUNA_DATA_7</name>

<variable>&#x24;.&#7b;COLUNA_DATA_7&#x7d;</variable>
```

```
<type>String</type>

<format/>

<currency/>

<decimal/>

<group/>

<length>-1</length>

<precision>-1</precision>

<trim_type>none</trim_type>

</field>

<field>

<name>FORMATO_COLUNA_DATA_7</name>

<variable>&#x24;&#x7b;FORMATO_COLUNA_DATA_7&#x7d;</variable>

<type>String</type>

<format/>

<currency/>

<decimal/>

<group/>

<length>-1</length>

<precision>-1</precision>

<trim_type>none</trim_type>

</field>

<field>

<name>COLUNA_DATA_8</name>
```

```
<variable>&#x24;&#x7b;COLUNA_DATA_8&#x7d;</variable>

<type>String</type>

<format/>

<currency/>

<decimal/>

<group/>

<length>-1</length>

<precision>-1</precision>

<trim_type>none</trim_type>

</field>

<field>

<name>FORMATO_COLUNA_DATA_8</name>

<variable>&#x24;&#x7b;FORMATO_COLUNA_DATA_8&#x7d;</variable>

<type>String</type>

<format/>

<currency/>

<decimal/>

<group/>

<length>-1</length>

<precision>-1</precision>

<trim_type>none</trim_type>

</field>

<field>
```

```
<name>COLUNA_DATA_9</name>

<variable>&#x24;=&#x7b;COLUNA_DATA_9&#x7d;</variable>

<type>String</type>

<format/>

<currency/>

<decimal/>

<group/>

<length>-1</length>

<precision>-1</precision>

<trim_type>none</trim_type>

</field>

<field>

<name>FORMATO_COLUNA_DATA_9</name>

<variable>&#x24;=&#x7b;FORMATO_COLUNA_DATA_9&#x7d;</variable>

<type>String</type>

<format/>

<currency/>

<decimal/>

<group/>

<length>-1</length>

<precision>-1</precision>

<trim_type>none</trim_type>

</field>
```

```
<field>

    <name>COLUNA_DATA_10</name>

    <variable>&#x24;=&#x7b;COLUNA_DATA_10&#x7d;</variable>

    <type>String</type>

    <format/>

    <currency/>

    <decimal/>

    <group/>

    <length>-1</length>

    <precision>-1</precision>

    <trim_type>none</trim_type>

</field>

<field>

    <name>FORMATO_COLUNA_DATA_10</name>

    <variable>&#x24;=&#x7b;FORMATO_COLUNA_DATA_10&#x7d;</variable>

    <type>String</type>

    <format/>

    <currency/>

    <decimal/>

    <group/>

    <length>-1</length>

    <precision>-1</precision>

    <trim_type>none</trim_type>
```

```

        </field>

    </fields>

    <cluster_schema/>

<remotesteps> <input> </input> <output> </output> </remotesteps> <GUI>

        <xloc>800</xloc>

        <yloc>464</yloc>

        <draw>Y</draw>

    </GUI>

</step>

<step>

    <name>Obter variáveis colunas inteiro</name>

    <type>GetVariable</type>

    <description/>

    <distribute>Y</distribute>

    <custom_distribution/>

    <copies>1</copies>

    <partitioning>

        <method>none</method>

        <schema_name/>

    </partitioning>

</fields>

```

```
<field>

    <name>COLUNA_INTEIRO_1</name>

    <variable>&#x24;=&#x7b;COLUNA_INTEIRO_1&#x7d;</variable>

    <type>String</type>

    <format/>

    <currency/>

    <decimal/>

    <group/>

    <length>-1</length>

    <precision>-1</precision>

    <trim_type>none</trim_type>

</field>

<field>

    <name>COLUNA_INTEIRO_2</name>

    <variable>&#x24;=&#x7b;COLUNA_INTEIRO_2&#x7d;</variable>

    <type>String</type>

    <format/>

    <currency/>

    <decimal/>

    <group/>

    <length>-1</length>

    <precision>-1</precision>

    <trim_type>none</trim_type>
```

```
</field>

<field>

<name>COLUNA_INTEIRO_3</name>

<variable>&#x24;=&#x7b;COLUNA_INTEIRO_3&#x7d;</variable>

<type>String</type>

<format/>

<currency/>

<decimal/>

<group/>

<length>-1</length>

<precision>-1</precision>

<trim_type>none</trim_type>

</field>

<field>

<name>COLUNA_INTEIRO_4</name>

<variable>&#x24;=&#x7b;COLUNA_INTEIRO_4&#x7d;</variable>

<type>String</type>

<format/>

<currency/>

<decimal/>

<group/>

<length>-1</length>

<precision>-1</precision>
```

```
<trim_type>none</trim_type>

</field>

<field>

<name>COLUNA_INTEIRO_5</name>

<variable>&#x24;=&#x7b;COLUNA_INTEIRO_5&#x7d;</variable>

<type>String</type>

<format/>

<currency/>

<decimal/>

<group/>

<length>-1</length>

<precision>-1</precision>

<trim_type>none</trim_type>

</field>

<field>

<name>COLUNA_INTEIRO_6</name>

<variable>&#x24;=&#x7b;COLUNA_INTEIRO_6&#x7d;</variable>

<type>String</type>

<format/>

<currency/>

<decimal/>

<group/>

<length>-1</length>
```

```
<precision>-1</precision>

<trim_type>none</trim_type>

</field>

<field>

<name>COLUNA_INTEIRO_7</name>

<variable>&#x24;&#x7b;COLUNA_INTEIRO_7&#x7d;</variable>

<type>String</type>

<format/>

<currency/>

<decimal/>

<group/>

<length>-1</length>

<precision>-1</precision>

<trim_type>none</trim_type>

</field>

<field>

<name>COLUNA_INTEIRO_8</name>

<variable>&#x24;&#x7b;COLUNA_INTEIRO_8&#x7d;</variable>

<type>String</type>

<format/>

<currency/>

<decimal/>

<group/>
```

```
<length>-1</length>

<precision>-1</precision>

<trim_type>none</trim_type>

</field>

<field>

<name>COLUNA_INTEIRO_9</name>

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<currency/>

<decimal/>

<group/>

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<precision>-1</precision>

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<decimal/>
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</GUI>

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<type>GetVariable</type>

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<partitioning>

<method>none</method>

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</partitioning>

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<decimal/>

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<decimal/>
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<decimal/>

<group/>

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<currency/>
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<decimal/>

<group/>

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<precision>-1</precision>

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<currency/>

<decimal/>

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<decimal/>

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<currency/>

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<draw>Y</draw>

</GUI>

</step>

<step>

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<type>TransExecutor</type>

<description/>

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    <schema_name/>

</partitioning>

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<execution_errors_field>ExecutionNrErrors</execution_errors_field>

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<execution_files_retrieved_field>ExecutionFilesRetrieved</execution_files_retrieved_field>

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<execution_log_text_field>ExecutionLogText</execution_log_text_field>

<execution_log_channelid_field>ExecutionLogChannelId</execution_log_channelid_field>

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<result_rows_field><name>NomeCampo</name><type>String</type><length>-
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<executors_output_step/>

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<draw>Y</draw>

</GUI>

</step>

<step>

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<description/>

<distribute>Y</distribute>

<custom_distribution/>

<copies>1</copies>

<partitioning>

<method>none</method>

<schema_name/>

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</GUI>

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<step>

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    <type>SortRows</type>

    <description/>

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</fields>

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<yloc>400</yloc>

<draw>Y</draw>

</GUI>

</step>

<step>

<name>Ordenar pelo nome coluna inteiro para o merge join</name>

<type>SortRows</type>

<description/>

<distribute>Y</distribute>

<custom_distribution/>

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<method>none</method>

<schema_name/>

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    <yloc>656</yloc>

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</GUI>

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</fields>

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</GUI>

</step>

<step>

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<type>SortRows</type>

<description/>

<distribute>Y</distribute>

<custom_distribution/>

<copies>1</copies>

<partitioning>

<method>none</method>

<schema_name/>

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    <compress>N</compress>

    <compress_variable/>

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    <fields>

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    <description/>

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    <custom_distribution/>

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    <free_memory/>

    <compress>N</compress>

    <compress_variable/>

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<type>SortRows</type>

<description/>

<distribute>Y</distribute>

<custom_distribution/>

<copies>1</copies>

<partitioning>

<method>none</method>

<schema_name/>

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    <free_memory/>

    <compress>N</compress>

    <compress_variable/>

    <unique_rows>N</unique_rows>

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        <field>

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            <presorted>N</presorted>

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    </fields>

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    <yloc>592</yloc>

    <draw>Y</draw>

</GUI>

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<step>

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    <type>SortRows</type>

    <description/>

    <distribute>Y</distribute>

    <custom_distribution/>

    <copies>1</copies>

    <partitioning>

        <method>none</method>

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    <compress>Y</compress>

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<draw>Y</draw>

</GUI>

</step>

<step>

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<type>SelectValues</type>

<description/>

<distribute>Y</distribute>

<custom_distribution/>

<copies>1</copies>

<partitioning>

<method>none</method>

<schema_name/>

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    </field>      <field>          <name>formato</name>
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  <type>SelectValues</type>
  <description/>

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<method>none</method>

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<type>SelectValues</type>

```

```

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<distribute>Y</distribute>

<custom_distribution/>

<copies>1</copies>

<partitioning>

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</partitioning>

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</step>

<step>

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<type>RowsToResult</type>

<description/>

<distribute>Y</distribute>

<custom_distribution/>

<copies>1</copies>

<partitioning>

<method>none</method>

<schema_name/>

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</GUI>

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</slave-step-copy-partition-distribution>

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VariavelArquivoCarga.ktr

```
<tr
ans
for
mat
ion
>

<info>

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    <description/>

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    <trans_version/>

    <trans_type>Normal</trans_type>

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<schema/>

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RRORS</id><enabled>Y</enabled><name>ERRORS</name></field><id>INPUT_BUFF
ER_ROWS</id><enabled>Y</enabled><name>INPUT_BUFFER_ROWS</name></field><field><
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<timeout_days/>

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<schema/>

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><id>LOG_DATE</id><enabled>Y</enabled><name>LOG_DATE</name></field><field><id>
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Y</id><enabled>Y</enabled><name>STEP_COPY</name></field><field><id>LINES_READ<
/id><enabled>Y</enabled><name>LINES_READ</name></field><field><id>LINES_Writte
N</id><enabled>Y</enabled><name>LINES_WRITTEN</name></field><field><id>LINES_U
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</slaveservers>

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</clusterschemas>

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VariavelTransformation.ktr

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<tr
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mat
ion

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<hop> <from>Filtrar primeira linha</from><to>Obter
tipo arquivo</to><enabled>Y</enabled> </hop>

<hop> <from>Juntar cont</from><to>Verificar
cont</to><enabled>Y</enabled> </hop>

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primeira linha</to><enabled>Y</enabled> </hop>

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de carga</to><enabled>Y</enabled> </hop>

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Xlsx</item> </line>

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    <copies>1</copies>

    <partitioning>

        <method>none</method>

        <schema_name/>

    </partitioning>

```

```

<directory>&#x25;java.io.tmpdir&#x25;</directory>

<prefix>out</prefix>

<cache_size>500</cache_size>

<main/>

<compare>

<condition>

<negated>N</negated>

<leftvalue/>

<function>=</function>

<rightvalue/>

</condition>

</compare>

<cluster_schema/>

<remotesteps> <input> </input> <output> </output> </remotesteps> <GUI>

<xloc>416</xloc>

<yloc>480</yloc>

<draw>Y</draw>

</GUI>

</step>

<step>

<name>Seta Trans Carga</name>

<type>SetVariable</type>

```

```
<description/>

<distribute>Y</distribute>

<custom_distribution/>

<copies>1</copies>

<partitioning>

    <method>none</method>

    <schema_name/>

</partitioning>

<fields>

    <field>

        <field_name>NomeProcessoEstrutura</field_name>

        <variable_name>TRANS_CARGA_ESTRUTURA</variable_name>

        <variable_type>JVM</variable_type>

        <default_value/>

    </field>

    <field>

        <field_name>NomeProcessoDados</field_name>

        <variable_name>TRANS_CARGA_DADOS</variable_name>

        <variable_type>JVM</variable_type>

        <default_value/>

    </field>

</fields>

<use_formatting>Y</use_formatting>
```

```

<cluster_schema/>

<remotesteps> <input> </input> <output> </output> </remotesteps> <GUI>

    <xloc>416</xloc>

    <yloc>688</yloc>

    <draw>Y</draw>

</GUI>

</step>

<step>

    <name>Tipo de input n&#xe3;o encontrado</name>

    <type>Abort</type>

    <description/>

    <distribute>Y</distribute>

    <custom_distribution/>

    <copies>1</copies>

    <partitioning>

        <method>none</method>

        <schema_name/>

    </partitioning>

    <row_threshold>0</row_threshold>

    <message>Tipo de input n&#xe3;o encontrado</message>

    <always_log_rows>Y</always_log_rows>

```

```

<cluster_schema/>

<remotesteps> <input> </input> <output> </output> </remotesteps> <GUI>

<xloc>816</xloc>

<yloc>480</yloc>

<draw>Y</draw>

</GUI>

</step>

<step>

<name>Validar processo</name>

<type>Dummy</type>

<description/>

<distribute>Y</distribute>

<custom_distribution/>

<copies>1</copies>

<partitioning>

<method>none</method>

<schema_name/>

</partitioning>

<cluster_schema/>

<remotesteps> <input> </input> <output> </output> </remotesteps> <GUI>

<xloc>928</xloc>

```

```

<yloc>576</yloc>

<draw>Y</draw>

</GUI>

</step>

<step>

<name>Verificar cont</name>

<type>FilterRows</type>

<description/>

<distribute>Y</distribute>

<custom_distribution/>

<copies>1</copies>

<partitioning>

<method>none</method>

<schema_name/>

</partitioning>

<send_true_to>Validar processo</send_true_to>

<send_false_to>Tipo de input n&#xe3;o encontrado</send_false_to>

<compare>

<condition>

<negated>N</negated>

<leftvalue>ContProcessosDef</leftvalue>

<function>&#x3e;</function>

```

```
<rightvalue>ContProcessosParam</rightvalue>

</condition>

</compare>

<cluster_schema/>

<remotesteps> <input> </input> <output> </output> </remotesteps> <GUI>

<xloc>816</xloc>

<yloc>576</yloc>

<draw>Y</draw>

</GUI>

</step>

<step_error_handling>

</step_error_handling>

<slave-step-copy-partition-distribution>

</slave-step-copy-partition-distribution>

<slave_transformation>N</slave_transformation>

</transformation>
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