

# **Mapa Itaipu**



## **Dicionário de dados**

**27 janeiro, 2015**

## Histórico da Revisão

Data	Versão	Descrição	Autor
22/01/2015	1.0	Elaboração de documento	Vinícius Ramos Kawamoto
22/01/2015	1.1	Ajustes do documento para primeira entrega	Vinícius Ramos Kawamoto
22/01/2015	2.0	Atualização do documento para segunda entrega	Vinícius Ramos Kawamoto
22/01/2015	3.0	Atualização do documento para terceira	Vinícius Ramos Kawamoto

## Índice

Modelo de datos .....	4
access_group .....	4
access_group_custom_search .....	5
access_group_layer .....	6
access_group_tool .....	7
access_group_user .....	7
attribute .....	8
custom_search .....	9
data_source .....	9
layer .....	10
layer_field .....	11
layer_group .....	12
marker .....	13
marker_attribute .....	14
marker_moderation .....	14
motive .....	15
motive_marker_moderation .....	16
tool .....	17
user .....	17
user_social_connection .....	18
Entrega 01 .....	19
attribute .....	20
data_source .....	21
layer .....	22
layer_field .....	23
layer_group .....	23
marker .....	24
marker_attribute .....	25
user .....	26
user_social_connection .....	26
Entrega 02 .....	27
access_group .....	28
access_group_custom_search .....	29
access_group_layer .....	30
access_group_tool .....	30
access_group_user .....	31
custom_search .....	31
tool .....	32
Entrega 03 .....	33
marker_moderation .....	33
motive .....	34
motive_marker_moderation .....	35

## Dicionário de dados

### Modelo de dados

**Type:** **Package**  
**Package:** Model  
**Detail:** Created on 25/06/2014. Last modified on 25/06/2014.  
**Notes:**

#### Modelo de dados - Completo

**Created By:** Vinicius Kawamoto on 23/01/2015  
**Last Modified:** 23/01/2015, **Version:** 1.0

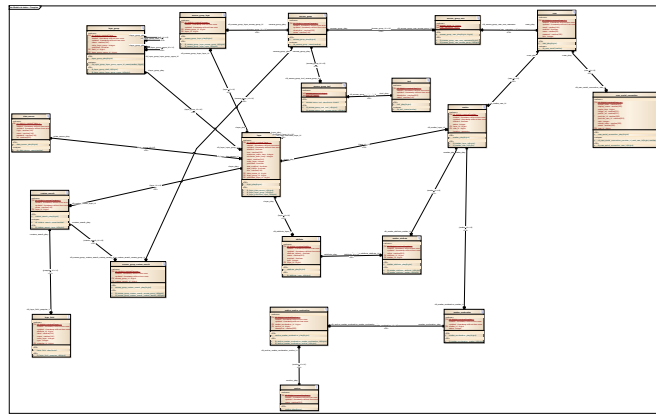


Figure: 1

### access\_group

**Database:** PostgreSQL, **Stereotype:** «table», **Package:** Modelo de dados  
**Detail:** Created on 23/01/2015. Last modified on 23/01/2015.  
**Notes:**

#### Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	id	bigint	True	True	0	0	0	nextval('access_group_id_seq'::regclass)	
False	created	timestamp without time zone	True	False	0	0	0		
False	updated	timestamp without time zone	False	False	0	0	0		
False	description	varchar	True	False	255	0	0		
False	name	varchar	True	False	144	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
access_group_pkey	Public	id		
uk_access_group_name	Public	name		

Relationships

Columns	Association	Notes
(access_group_id = id)	0..* access_group_tool.fk_access_group_tool_access_grou p_id 1 access_group.access_group_pkey	
(access_group_id = id)	0..* access_group_user.fk_access_group_user_access_gro up_id 1 access_group.access_group_pkey	
(access_group_id = id)	0..* access_group_custom_search.fk_access_group_custo m_search_access_group_id 1 access_group.access_group_pkey	
(access_group_id = id)	0..* access_group_layer.fk_access_group_layer_access_gr oup_id 1 access_group.access_group_pkey	

**access\_group\_custom\_search**

Database: PostgreSQL, *Stereotype*: «table», *Package*: Modelo de dados

Detail: Created on 23/01/2015. Last modified on 23/01/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	id	bigint	True	True	0	0	0	nextval('access_group_custom_search_id_seq'::regclass)	
False	created	timestamp without time zone	True	False	0	0	0		
False	updated	timestamp without time zone	False	False	0	0	0		
False	access_group_id	bigint	False	False	0	0	0		
False	custom_search_id	bigint	False	False	0	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
access_group_custom_search_pkey	Public	id		
fk_access_group_custom_search_access_group_id	Public	access_group_id		
fk_access_group_custom_search_custom_search_id	Public	custom_search_id		

Relationships

Columns	Association	Notes
(access_group_id = id)	<b>0..*</b> access_group_custom_search.fk_access_group_custom_search_access_group_id <b>1</b> access_group.access_group_pkey	
(custom_search_id = id)	<b>0..*</b> access_group_custom_search.fk_access_group_custom_search_custom_search_id <b>1</b> custom_search.custom_search_pkey	

**access\_group\_layer**

*Database:* PostgreSQL, *Stereotype:* «table», *Package:* Modelo de dados

*Detail:* Created on 23/01/2015. Last modified on 23/01/2015.

*Notes:*

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	id	bigint	True	True	0	0	0	nextval('access_group_layer_id_seq'::regclass)	
False	created	timestamp without time zone	True	False	0	0	0		
False	updated	timestamp without time zone	False	False	0	0	0		
False	access_group_id	bigint	False	False	0	0	0		
False	layer_id	bigint	False	False	0	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
access_group_layer_pkey	Public	id		
fk_access_group_layer_access_group_id	Public	access_group_id		
fk_access_group_layer_layer_id	Public	layer_id		

Relationships

Columns	Association	Notes
(access_group_id = id)	<b>0..*</b> access_group_layer.fk_access_group_layer_access_group_id <b>1</b> access_group.access_group_pkey	
(layer_id = id)	<b>0..*</b> access_group_layer.fk_access_group_layer_layer_id <b>1</b> layer.layer_pkey	

## access\_group\_tool

*Database:* PostgreSQL, *Stereotype:* «table», *Package:* Modelo de dados

*Detail:* Created on 23/01/2015. Last modified on 23/01/2015.

*Notes:*

### Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	access_group_id	bigint	True	True	0	0	0		
True	tool_id	bigint	True	True	0	0	0		

### Constraints

Name	Type	Columns	Initial Code	Notes
access_group_tool_pkey	Public	access_group_id tool_id		
fk_access_group_tool_tool_id	Public	tool_id		
fk_access_group_tool_access_group_id	Public	access_group_id		

### Relationships

Columns	Association	Notes
(access_group_id = id)	<b>0..*</b> access_group_tool.fk_access_group_tool_access_group_id <b>1</b> access_group.access_group_pkey	
(tool_id = id)	<b>0..*</b> access_group_tool.fk_access_group_tool_tool_id <b>1</b> tool.tool_pkey	

## access\_group\_user

*Database:* PostgreSQL, *Stereotype:* «table», *Package:* Modelo de dados

*Detail:* Created on 23/01/2015. Last modified on 23/01/2015.

*Notes:*

### Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	access_group_id	bigint	True	True	0	0	0		
True	user_username	bigint	True	True	0	0	0		

### Constraints

Name	Type	Columns	Initial Code	Notes
access_group_user_pkey	Public	access_group_id user_username		
fk_access_group_user_user_username	Public	user_username		

Name	Type	Columns	Initial Code	Notes
fk_access_group_user_access_group_id	Public	access_group_id		

Relationships

Columns	Association	Notes
(access_group_id = id)	<b>0..*</b> access_group_user.fk_access_group_user_access_group_id <b>1</b> access_group.access_group_pkey	
(user_username = id)	<b>0..*</b> access_group_user.fk_access_group_user_user_username <b>1</b> user.user_pkey	

**attribute**

*Database:* PostgreSQL, *Stereotype:* «table», *Package:* Modelo de dados

*Detail:* Created on 23/01/2015. Last modified on 23/01/2015.

*Notes:*

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	id	bigint	True	True	0	0	0	nextval ('attribute_id_seq'::regclass)	
False	created	timestamp without time zone	True	False	0	0	0		
False	updated	timestamp without time zone	False	False	0	0	0		
False	attribute_default	boolean	False	False	0	0	0		
False	name	varchar	True	False	255	0	0		
False	required	boolean	True	False	0	0	0		
False	type	integer	True	False	0	0	0		
False	layer_id	bigint	False	False	0	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
attribute_pkey	Public	id		
fk_attribute_layer_id	Public	layer_id		

Relationships

Columns	Association	Notes
(attribute_id = id)	<b>0..*</b> marker_attribute.fk_marker_attribute_attribute_id <b>1</b> attribute.attribute_pkey	
(layer_id = id)	<b>0..*</b> attribute.fk_attribute_layer_id <b>1</b> layer.layer_pkey	



## custom\_search

*Database:* PostgreSQL, *Stereotype:* «table», *Package:* Modelo de dados

*Detail:* Created on 23/01/2015. Last modified on 23/01/2015.

*Notes:*

### Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	id	bigint	True	True	0	0	0	nextval('custom_search_id_seq'::regclass)	
False	created	timestamp without time zone	True	False	0	0	0		
False	updated	timestamp without time zone	False	False	0	0	0		
False	name	varchar	True	False	144	0	0		
False	layer_id	bigint	True	False	0	0	0		

### Constraints

Name	Type	Columns	Initial Code	Notes
custom_search_pkey	Public	id		
uk_custom_search_name	Public	name		
fk_custom_search_layer_id	Public	layer_id		

### Relationships

Columns	Association	Notes
(custom_search_id = id)	<b>0..*</b> access_group_custom_search.fk_access_group_custom_search_id <b>1</b> custom_search.custom_search_pkey	
(layer_id = id)	<b>0..*</b> custom_search.fk_custom_search_layer_id <b>1</b> layer.layer_pkey	
(pesquisa_id = id)	<b>0..*</b> layer_field.fk_layer_field_pesquisa_id <b>1</b> custom_search.custom_search_pkey	

## data\_source

*Database:* PostgreSQL, *Stereotype:* «table», *Package:* Modelo de dados

*Detail:* Created on 23/01/2015. Last modified on 23/01/2015.

*Notes:*

### Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	id	bigint	True	True	0	0	0	nextval('data_source')	

								_id_seq'::regclass)	
False	created	timestamp without time zone	True	False	0	0	0		
False	updated	timestamp without time zone	False	False	0	0	0		
False	login	varchar	False	False	144	0	0		
False	name	varchar	True	False	144	0	0		
False	password	varchar	False	False	144	0	0		
False	url	varchar	False	False	255	0	0		

**Constraints**

Name	Type	Columns	Initial Code	Notes
data_source_pkey	Public	id		
uk_data_source_name	Public	name		

**Relationships**

Columns	Association	Notes
(data_source_id = id)	0..* layer.fk_layer_data_source_id 1 data_source.data_source_pkey	

**layer**

*Database:* PostgreSQL, *Stereotype:* «table», *Package:* Modelo de dados

*Detail:* Created on 23/01/2015. Last modified on 23/01/2015.

*Notes:*

**Columns**

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	id	bigint	True	True	0	0	0	nextval('layer_id_seq'::regclass)	
False	created	timestamp without time zone	True	False	0	0	0		
False	updated	timestamp without time zone	False	False	0	0	0		
False	enabled	boolean	False	False	0	0	0		
False	icon	varchar	False	False	255	0	0		
False	maximum_scale_map	integer	True	False	0	0	0		
False	minimum_scale_map	integer	True	False	0	0	0		
False	name	varchar	True	False	144	0	0		

False	order_layer	integer	False	False	0	0	0		
False	published	boolean	False	False	0	0	0		
False	start_enabled	boolean	True	False	0	0	0		
False	start_visible	boolean	True	False	0	0	0		
False	title	varchar	True	False	144	0	0		
False	data_source_id	bigint	False	False	0	0	0		
False	layer_group_id	bigint	False	False	0	0	0		
False	published_layer_id	bigint	False	False	0	0	0		

**Constraints**

Name	Type	Columns	Initial Code	Notes
layer_pkey	Public	id		
fk_layer_data_source_id	Public	data_source_id		
fk_layer_layer_group_id	Public	layer_group_id		
fk_layer_published_layer_id	Public	published_layer_id		

**Relationships**

Columns	Association	Notes
(data_source_id = id)	<b>0..*</b> layer.fk_layer_data_source_id <b>1</b> data_source.data_source_pkey	
(layer_group_id = id)	<b>0..*</b> layer.fk_layer_layer_group_id <b>1</b> layer_group.layer_group_pkey	
(layer_id = id)	<b>0..*</b> marker.fk_marker_layer_id <b>1</b> layer.layer_pkey	
(layer_id = id)	<b>0..*</b> custom_search.fk_custom_search_layer_id <b>1</b> layer.layer_pkey	
(layer_id = id)	<b>0..*</b> access_group_layer.fk_access_group_layer_layer_id <b>1</b> layer.layer_pkey	
(layer_id = id)	<b>0..*</b> attribute.fk_attribute_layer_id <b>1</b> layer.layer_pkey	
(published_layer_id = id)	<b>0..*</b> layer.fk_layer_published_layer_id <b>1</b> layer.layer_pkey	

**layer\_field**

*Database:* PostgreSQL, *Stereotype:* «table», *Package:* Modelo de dados

*Detail:* Created on 23/01/2015. Last modified on 23/01/2015.

*Notes:*

**Columns**

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	id	bigint	True	True	0	0	0	nextval ( 'layer _field_ id_seq' ::regcla ss)	
False	created	timestam p without time zone	True	False	0	0	0		
False	updated	timestam	False	False	0	0	0		

		p without time zone							
False	attribute_id	bigint	False	False	0	0	0		
False	label	varchar	False	False	144	0	0		
False	name	varchar	True	False	144	0	0		
False	order_layer	integer	False	False	0	0	0		
False	type	integer	True	False	0	0	0		
False	pesquisa_id	bigint	False	False	0	0	0		

**Constraints**

Name	Type	Columns	Initial Code	Notes
layer_field_pkey	Public	id		
fk_layer_field_pesquisa_id	Public	pesquisa_id		

**Relationships**

Columns	Association	Notes
(pesquisa_id = id)	<b>0..*</b> layer_field.fk_layer_field_pesquisa_id <b>1</b> custom_search.custom_search_pkey	

**layer\_group**

*Database:* PostgreSQL, *Stereotype:* «table», *Package:* Modelo de dados

*Detail:* Created on 23/01/2015. Last modified on 23/01/2015.

*Notes:*

**Columns**

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	id	bigint	True	True	0	0	0	nextval ('layer_group_id_seq'::regclass)	
False	created	timestamp without time zone	True	False	0	0	0		
False	updated	timestamp without time zone	False	False	0	0	0		
False	name	varchar	True	False	144	0	0		
False	order_layer_group	integer	False	False	0	0	0		
False	published	boolean	False	False	0	0	0		
False	draft_id	bigint	False	False	0	0	0		
False	layer_group_upper_id	bigint	False	False	0	0	0		

**Constraints**

Name	Type	Columns	Initial Code	Notes
layer_group_pkey	Public	id		
uk_layer_group_layer_group	Public	name		

Name	Type	Columns	Initial Code	Notes
_upper_id_name		layer_group_upper_id		
fk_layer_group_draft_id	Public	draft_id		
fk_layer_group_layer_group_upper_id	Public	layer_group_upper_id		

Relationships

Columns	Association	Notes
(draft_id = id)	<b>0..*</b> layer_group.fk_layer_group_draft_id <b>1</b> layer_group.layer_group_pkey	
(layer_group_id = id)	<b>0..*</b> layer.fk_layer_layer_group_id <b>1</b> layer_group.layer_group_pkey	
(layer_group_upper_id = id)	<b>0..*</b> layer_group.fk_layer_group_layer_group_upper_id <b>1</b> layer_group.layer_group_pkey	

**marker**

*Database:* PostgreSQL, *Stereotype:* «table», *Package:* Modelo de dados

*Detail:* Created on 23/01/2015. Last modified on 23/01/2015.

*Notes:*

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	id	bigint	True	True	0	0	0	nextval ('marker_id_seq'::regclass)	
False	created	timestamp without time zone	True	False	0	0	0		
False	updated	timestamp without time zone	False	False	0	0	0		
False	deleted	boolean	False	False	0	0	0		
False	status	integer	True	False	0	0	0		
False	layer_id	bigint	False	False	0	0	0		
False	user_id	bigint	False	False	0	0	0		
False	location	geometry	False	False	0	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
marker_pkey	Public	id		
fk_marker_layer_id	Public	layer_id		
fk_marker_user_id	Public	user_id		

Relationships

Columns	Association	Notes
(layer_id = id)	<b>0..*</b> marker.fk_marker_layer_id <b>1</b> layer.layer_pkey	
(marker_id = id)	<b>0..*</b> marker_attribute.fk_marker_attribute_marker_id <b>1</b> marker.marker_pkey	
(marker_id = id)	<b>0..*</b> marker_moderation.fk_marker_moderation_marker_id <b>1</b> marker.marker_pkey	
(user_id = id)	<b>0..*</b> marker.fk_marker_user_id <b>1</b> user.user_pkey	

## marker\_attribute

Database: PostgreSQL, *Stereotype*: «table», *Package*: Modelo de dados

*Detail*: Created on 23/01/2015. Last modified on 23/01/2015.

*Notes*:

### Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	id	bigint	True	True	0	0	0	nextval('marker_attribute_id_seq'::regclass)	
False	created	timestamp without time zone	True	False	0	0	0		
False	updated	timestamp without time zone	False	False	0	0	0		
False	value	varchar	True	False	255	0	0		
False	attribute_id	bigint	False	False	0	0	0		
False	marker_id	bigint	False	False	0	0	0		

### Constraints

Name	Type	Columns	Initial Code	Notes
marker_attribute_pkey	Public	id		
fk_marker_attribute_attribute_id	Public	attribute_id		
fk_marker_attribute_marker_id	Public	marker_id		

### Relationships

Columns	Association	Notes
(attribute_id = id)	<b>0..*</b> marker_attribute.fk_marker_attribute_attribute_id <b>1</b> attribute.attribute_pkey	
(marker_id = id)	<b>0..*</b> marker_attribute.fk_marker_attribute_marker_id <b>1</b> marker.marker_pkey	

## marker\_moderation

*Database:* PostgreSQL, *Stereotype:* «table», *Package:* Modelo de dados

*Detail:* Created on 23/01/2015. Last modified on 23/01/2015.

*Notes:*

### Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	id	bigint	True	True	0	0	0	nextval ('marker_moderation_id_seq'::regclass)	
False	created	timestamp without time zone	True	False	0	0	0		
False	updated	timestamp without time zone	False	False	0	0	0		
False	marker_id	bigint	True	False	0	0	0		
False	status	integer	True	False	0	0	0		

### Constraints

Name	Type	Columns	Initial Code	Notes
marker_moderation_pkey	Public	id		
fk_marker_moderation_marker_id	Public	marker_id		

### Relationships

Columns	Association	Notes
(marker_id = id)	<b>0..*</b> marker_moderation.fk_marker_moderation_marker_id <b>1</b> marker.marker_pkey	
(marker_moderation_id = id)	<b>0..*</b> motive_marker_moderation.fk_motive_marker_moderation_marker_moderation_id <b>1</b> marker_moderation.marker_moderation_pkey	

## motive

*Database:* PostgreSQL, *Stereotype:* «table», *Package:* Modelo de dados

*Detail:* Created on 23/01/2015. Last modified on 23/01/2015.

*Notes:*

### Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	id	bigint	True	True	0	0	0	nextval ('motive_id_seq'::reg	

								class)	
False	created	timestamp without time zone	True	False	0	0	0		
False	updated	timestamp without time zone	False	False	0	0	0		
False	name	varchar	True	False	255	0	0		

**Constraints**

Name	Type	Columns	Initial Code	Notes
motive_pkey	Public	id		

**Relationships**

Columns	Association	Notes
(motive_id = id)	<b>0..*</b> motive_marker_moderation.fk_motive_marker_moderation_motive_id <b>1</b> motive.motive_pkey	

**motive\_marker\_moderation**

*Database:* PostgreSQL, *Stereotype:* «table», *Package:* Modelo de dados

*Detail:* Created on 23/01/2015. Last modified on 23/01/2015.

*Notes:*

**Columns**

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	id	bigint	True	True	0	0	0	nextval('motive_marker_moderation_id_seq'::regclass)	
False	created	timestamp without time zone	True	False	0	0	0		
False	updated	timestamp without time zone	False	False	0	0	0		
False	marker_moderation_id	bigint	False	False	0	0	0		
False	motive_id	bigint	False	False	0	0	0		
False	description	varchar	True	False	255	0	0		

**Constraints**

Name	Type	Columns	Initial Code	Notes
motive_marker_moderation_pkey	Public	id		



Name	Type	Columns	Initial Code	Notes
fk_motive_marker_moderation_marker_moderation_id	Public	marker_moderation_id		
fk_motive_marker_moderation_motive_id	Public	motive_id		

Relationships

Columns	Association	Notes
(marker_moderation_id = id)	<b>0..*</b> motive_marker_moderation.fk_motive_marker_moderation_marker_moderation_id <b>1</b> marker_moderation.marker_moderation_pkey	
(motive_id = id)	<b>0..*</b> motive_marker_moderation.fk_motive_marker_moderation_motive_id <b>1</b> motive.motive_pkey	

**tool**

*Database:* PostgreSQL, *Stereotype:* «table», *Package:* Modelo de dados  
*Detail:* Created on 23/01/2015. Last modified on 23/01/2015.  
*Notes:*

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	id	bigint	True	True	0	0	0	nextval('tool_id_seq':regclass)	
False	created	timestamp without time zone	True	False	0	0	0		
False	updated	timestamp without time zone	False	False	0	0	0		
False	description	varchar	True	False	255	0	0		
False	name	varchar	True	False	144	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
tool_pkey	Public	id		
uk_tool_name	Public	name		

Relationships

Columns	Association	Notes
(tool_id = id)	<b>0..*</b> access_group_tool.fk_access_group_tool_tool_id <b>1</b> tool.tool_pkey	

**user**

*Database:* PostgreSQL, *Stereotype:* «table», *Package:* Modelo de dados  
*Detail:* Created on 23/01/2015. Last modified on 23/01/2015.  
*Notes:*

**Columns**

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	id	bigint	True	True	0	0	0	nextval('user_id_seq':regclass)	
False	created	timestamp without time zone	True	False	0	0	0		
False	updated	timestamp without time zone	False	False	0	0	0		
False	email	varchar	True	False	144	0	0		
False	enabled	boolean	True	False	0	0	0		
False	name	varchar	True	False	50	0	0		
False	password	varchar	True	False	100	0	0		
False	role	integer	True	False	0	0	0		

**Constraints**

Name	Type	Columns	Initial Code	Notes
user_pkey	Public	id		
uk_user_email	Public	email		

**Relationships**

Columns	Association	Notes
(user_id = id)	0..* marker.fk_marker_user_id 1 user.user_pkey	
(user_id = id)	0..* user_social_connection.fk_user_social_connection_user_id 1 user.user_pkey	
(user_username = id)	0..* access_group_user.fk_access_group_user_user_username 1 user.user_pkey	

**user\_social\_connection**

*Database:* PostgreSQL, *Stereotype:* «table», *Package:* Modelo de dados  
*Detail:* Created on 23/01/2015. Last modified on 23/01/2015.  
*Notes:*

**Columns**

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	id	bigint	True	True	0	0	0	nextval('user_social_	

								connection_id _seq':::regclass )	
False	access_token	varchar	True	False	255	0	0		
False	display_name	varchar	False	False	255	0	0		
False	expire_time	bigint	False	False	0	0	0		
False	image_url	varchar	False	False	512	0	0		
False	profile_url	varchar	False	False	512	0	0		
False	provider_id	varchar	True	False	255	0	0		
False	provider_user_id	varchar	False	False	255	0	0		
False	rank	integer	True	False	0	0	0		
False	refresh_token	varchar	False	False	255	0	0		
False	secret	varchar	False	False	255	0	0		
False	user_id	bigint	True	False	0	0	0		

**Constraints**

Name	Type	Columns	Initial Code	Notes
user_social_connection_pkey	Public	id		
uk_user_social_connection_provider_id_rank_user_id	Public	user_id provider_id rank		
fk_user_social_connection_user_id	Public	user_id		

**Relationships**

Columns	Association	Notes
(user_id = id)	<b>0..*</b> user_social_connection.fk_user_social_connection_user_id <b>1</b> user.user_pkey	

**Entrega 01***Type:***Package***Package:*

Modelo de dados

*Detail:*

Created on 23/01/2015. Last modified on 23/01/2015.

*Notes:***Entrega 01***Created By:*

Vinicius Kawamoto on 23/01/2015

*Last Modified:*23/01/2015, *Version:* 1.0

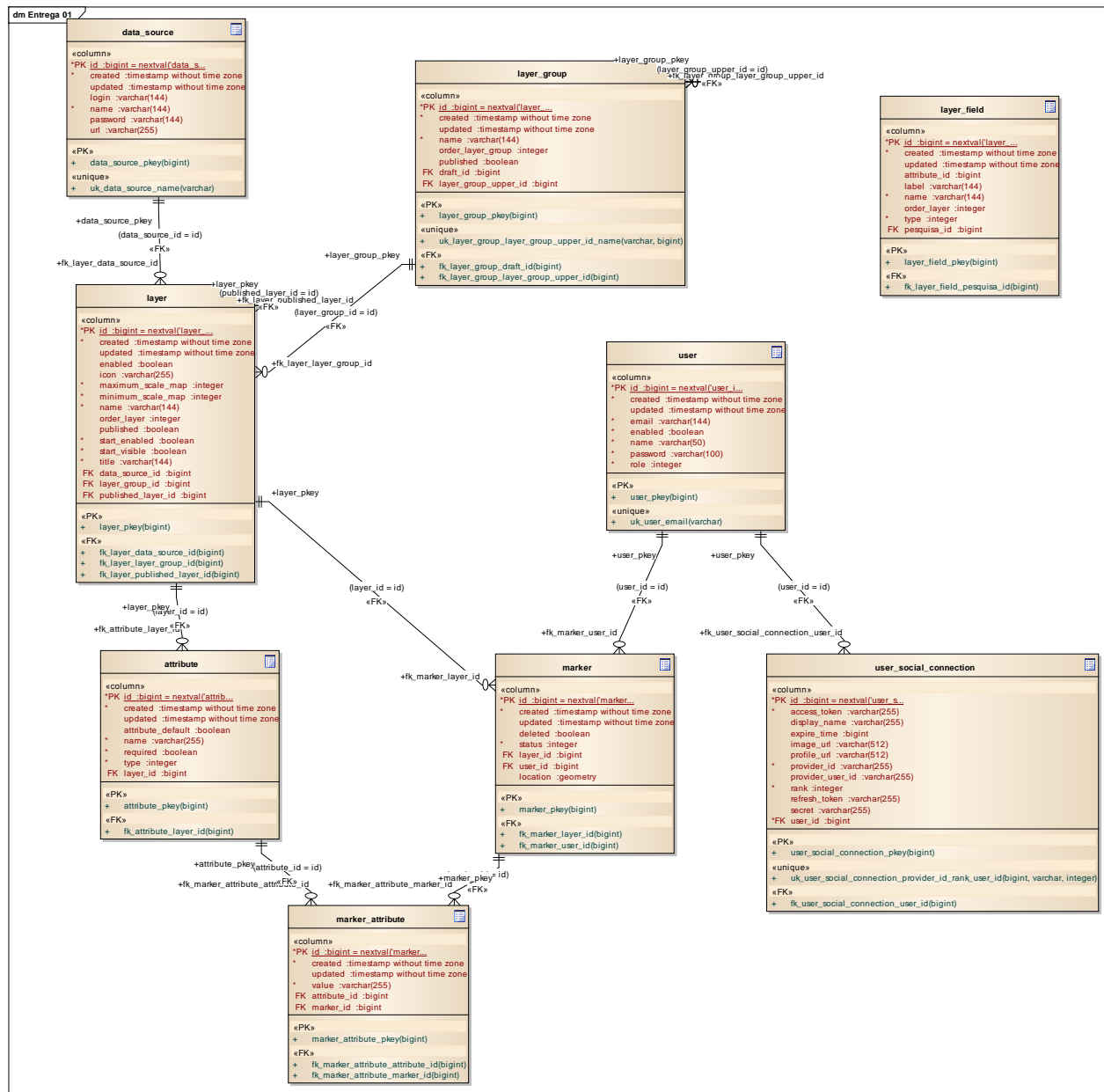


Figure: 2

## attribute

Database: PostgreSQL, *Stereotype*: «table», *Package*: Entrega 01

Detail: Created on 23/01/2015. Last modified on 23/01/2015.

Notes:

### Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	id	bigint	True	True	0	0	0	nextval('attribute_id_seq':regclass)	

False	created	timestamp without time zone	True	False	0	0	0		
False	updated	timestamp without time zone	False	False	0	0	0		
False	attribute_default	boolean	False	False	0	0	0		
False	name	varchar	True	False	255	0	0		
False	required	boolean	True	False	0	0	0		
False	type	integer	True	False	0	0	0		
False	layer_id	bigint	False	False	0	0	0		

**Constraints**

Name	Type	Columns	Initial Code	Notes
attribute_pkey	Public	id		
fk_attribute_layer_id	Public	layer_id		

**Relationships**

Columns	Association	Notes
(attribute_id = id)	<b>0..*</b> marker_attribute.fk_marker_attribute_attribute_id <b>1</b> attribute.attribute_pkey	
(layer_id = id)	<b>0..*</b> attribute.fk_attribute_layer_id <b>1</b> layer.layer_pkey	

**data\_source**

*Database:* PostgreSQL, *Stereotype:* «table», *Package:* Entrega 01

*Detail:* Created on 23/01/2015. Last modified on 23/01/2015.

*Notes:*

**Columns**

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	id	bigint	True	True	0	0	0	nextval('data_source_id_seq'::regclass)	
False	created	timestamp without time zone	True	False	0	0	0		
False	updated	timestamp without time zone	False	False	0	0	0		
False	login	varchar	False	False	144	0	0		
False	name	varchar	True	False	144	0	0		
False	password	varchar	False	False	144	0	0		
False	url	varchar	False	False	255	0	0		

**Constraints**

Name	Type	Columns	Initial Code	Notes
data_source_pkey	Public	id		
uk_data_source_name	Public	name		

**Relationships**

Columns	Association	Notes
(data_source_id = id)	<b>0..*</b> layer.fk_layer_data_source_id <b>1</b> data_source.data_source_pkey	

**layer**

*Database:* PostgreSQL, *Stereotype:* «table», *Package:* Entrega 01

*Detail:* Created on 23/01/2015. Last modified on 23/01/2015.

*Notes:*

**Columns**

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	id	bigint	True	True	0	0	0	nextval ('layer_id_seq'::regclass)	
False	created	timestamp without time zone	True	False	0	0	0		
False	updated	timestamp without time zone	False	False	0	0	0		
False	enabled	boolean	False	False	0	0	0		
False	icon	varchar	False	False	255	0	0		
False	maximum_scale_map	integer	True	False	0	0	0		
False	minimum_scale_map	integer	True	False	0	0	0		
False	name	varchar	True	False	144	0	0		
False	order_layer	integer	False	False	0	0	0		
False	published	boolean	False	False	0	0	0		
False	start_enabled	boolean	True	False	0	0	0		
False	start_visible	boolean	True	False	0	0	0		
False	title	varchar	True	False	144	0	0		
False	data_source_id	bigint	False	False	0	0	0		
False	layer_group_id	bigint	False	False	0	0	0		
False	published_layer_id	bigint	False	False	0	0	0		

**Constraints**

Name	Type	Columns	Initial Code	Notes
layer_pkey	Public	id		
fk_layer_data_source_id	Public	data_source_id		
fk_layer_layer_group_id	Public	layer_group_id		

Name	Type	Columns	Initial Code	Notes
fk_layer_published_layer_id	Public	published_layer_id		

**Relationships**

Columns	Association	Notes
(data_source_id = id)	<b>0..*</b> layer.fk_layer_data_source_id <b>1</b> data_source.data_source_pkey	
(layer_group_id = id)	<b>0..*</b> layer.fk_layer_layer_group_id <b>1</b> layer_group.layer_group_pkey	
(layer_id = id)	<b>0..*</b> marker.fk_marker_layer_id <b>1</b> layer.layer_pkey	
(layer_id = id)	<b>0..*</b> attribute.fk_attribute_layer_id <b>1</b> layer.layer_pkey	
(published_layer_id = id)	<b>0..*</b> layer.fk_layer_published_layer_id <b>1</b> layer.layer_pkey	

**layer\_field**

Database: PostgreSQL, *Stereotype*: «table», *Package*: Entrega 01

*Detail*: Created on 23/01/2015. Last modified on 23/01/2015.

*Notes*:

**Columns**

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	id	bigint	True	True	0	0	0	nextval ('layer_field_id_seq'::regclass)	
False	created	timestamp without time zone	True	False	0	0	0		
False	updated	timestamp without time zone	False	False	0	0	0		
False	attribute_id	bigint	False	False	0	0	0		
False	label	varchar	False	False	144	0	0		
False	name	varchar	True	False	144	0	0		
False	order_layer	integer	False	False	0	0	0		
False	type	integer	True	False	0	0	0		
False	pesquisa_id	bigint	False	False	0	0	0		

**Constraints**

Name	Type	Columns	Initial Code	Notes
layer_field_pkey	Public	id		
fk_layer_field_pesquisa_id	Public	pesquisa_id		

**layer\_group**

*Database:* PostgreSQL, *Stereotype:* «table», *Package:* Entrega 01  
*Detail:* Created on 23/01/2015. Last modified on 23/01/2015.  
*Notes:*

**Columns**

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	id	bigint	True	True	0	0	0	nextval('layer_group_id_seq'::regclass)	
False	created	timestamp without time zone	True	False	0	0	0		
False	updated	timestamp without time zone	False	False	0	0	0		
False	name	varchar	True	False	144	0	0		
False	order_layer_group	integer	False	False	0	0	0		
False	published	boolean	False	False	0	0	0		
False	draft_id	bigint	False	False	0	0	0		
False	layer_group_upper_id	bigint	False	False	0	0	0		

**Constraints**

Name	Type	Columns	Initial Code	Notes
layer_group_pkey	Public	id		
uk_layer_group_layer_group_upper_id_name	Public	name layer_group_upper_id		
fk_layer_group_draft_id	Public	draft_id		
fk_layer_group_layer_group_upper_id	Public	layer_group_upper_id		

**Relationships**

Columns	Association	Notes
(draft_id = id)	0..* layer_group.fk_layer_group_draft_id 1 layer_group.layer_group_pkey	
(layer_group_id = id)	0..* layer.fk_layer_layer_group_id 1 layer_group.layer_group_pkey	
(layer_group_upper_id = id)	0..* layer_group.fk_layer_group_layer_group_upper_id 1 layer_group.layer_group_pkey	

**marker**

*Database:* PostgreSQL, *Stereotype:* «table», *Package:* Entrega 01  
*Detail:* Created on 23/01/2015. Last modified on 23/01/2015.  
*Notes:*



Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	id	bigint	True	True	0	0	0	nextval('marker_id_seq'::regclass)	
False	created	timestamp without time zone	True	False	0	0	0		
False	updated	timestamp without time zone	False	False	0	0	0		
False	deleted	boolean	False	False	0	0	0		
False	status	integer	True	False	0	0	0		
False	layer_id	bigint	False	False	0	0	0		
False	user_id	bigint	False	False	0	0	0		
False	location	geometry	False	False	0	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
marker_pkey	Public	id		
fk_marker_layer_id	Public	layer_id		
fk_marker_user_id	Public	user_id		

Relationships

Columns	Association	Notes
(layer_id = id)	<b>0..*</b> marker.fk_marker_layer_id <b>1</b> layer.layer_pkey	
(marker_id = id)	<b>0..*</b> marker_attribute.fk_marker_attribute_marker_id <b>1</b> marker.marker_pkey	
(user_id = id)	<b>0..*</b> marker.fk_marker_user_id <b>1</b> user.user_pkey	

**marker\_attribute**

*Database:* PostgreSQL, *Stereotype:* «table», *Package:* Entrega 01

*Detail:* Created on 23/01/2015. Last modified on 23/01/2015.

*Notes:*

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	id	bigint	True	True	0	0	0	nextval('marker_attribute_id_seq'::regclass)	
False	created	timestamp without	True	False	0	0	0		

		time zone							
False	updated	timestamp without time zone	False	False	0	0	0		
False	value	varchar	True	False	255	0	0		
False	attribute_id	bigint	False	False	0	0	0		
False	marker_id	bigint	False	False	0	0	0		

**Constraints**

Name	Type	Columns	Initial Code	Notes
marker_attribute_pkey	Public	id		
fk_marker_attribute_attribute_id	Public	attribute_id		
fk_marker_attribute_marker_id	Public	marker_id		

**Relationships**

Columns	Association	Notes
(attribute_id = id)	<b>0..*</b> marker_attribute.fk_marker_attribute_attribute_id <b>1</b> attribute.attribute_pkey	
(marker_id = id)	<b>0..*</b> marker_attribute.fk_marker_attribute_marker_id <b>1</b> marker.marker_pkey	

**user**

*Database:* PostgreSQL, *Stereotype:* «table», *Package:* Entrega 01

*Detail:* Created on 23/01/2015. Last modified on 23/01/2015.

*Notes:*

**Columns**

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	id	bigint	True	True	0	0	0	nextval ('user_id_seq': :regclass)	
False	created	timestamp without time zone	True	False	0	0	0		
False	updated	timestamp without time zone	False	False	0	0	0		
False	email	varchar	True	False	144	0	0		
False	enabled	boolean	True	False	0	0	0		
False	name	varchar	True	False	50	0	0		
False	password	varchar	True	False	100	0	0		
False	role	integer	True	False	0	0	0		

**Constraints**

Name	Type	Columns	Initial Code	Notes
user_pkey	Public	id		

Name	Type	Columns	Initial Code	Notes
uk_user_email	Public	email		

**Relationships**

Columns	Association	Notes
(user_id = id)	0..* marker.fk_marker_user_id 1 user.user_pkey	
(user_id = id)	0..* user_social_connection.fk_user_social_connection_user_id 1 user.user_pkey	

**user\_social\_connection**

Database: PostgreSQL, *Stereotype*: «table», *Package*: Entrega 01

*Detail*: Created on 23/01/2015. Last modified on 23/01/2015.

*Notes*:

**Columns**

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	id	bigint	True	True	0	0	0	nextval('user_social_connection_id_seq'::regclass)	
False	access_token	varchar	True	False	255	0	0		
False	display_name	varchar	False	False	255	0	0		
False	expire_time	bigint	False	False	0	0	0		
False	image_url	varchar	False	False	512	0	0		
False	profile_url	varchar	False	False	512	0	0		
False	provider_id	varchar	True	False	255	0	0		
False	provider_user_id	varchar	False	False	255	0	0		
False	rank	integer	True	False	0	0	0		
False	refresh_token	varchar	False	False	255	0	0		
False	secret	varchar	False	False	255	0	0		
False	user_id	bigint	True	False	0	0	0		

**Constraints**

Name	Type	Columns	Initial Code	Notes
user_social_connection_pkey	Public	id		
uk_user_social_connection_provider_id_rank_user_id	Public	user_id provider_id rank		
fk_user_social_connection_user_id	Public	user_id		

**Relationships**

Columns	Association	Notes
(user_id = id)	<b>0..*</b>	
	user_social_connection.fk_user_social_connection_us	
er_id	<b>1</b>	
	user.user_pkey	

## Entrega 02

Type: **Package**  
 Package: Modelo de dados  
 Detail: Created on 23/01/2015. Last modified on 23/01/2015.  
 Notes:

### Entrega 02

Created By: Vinicius Kawamoto on 23/01/2015  
 Last Modified: 23/01/2015, Version: 1.0

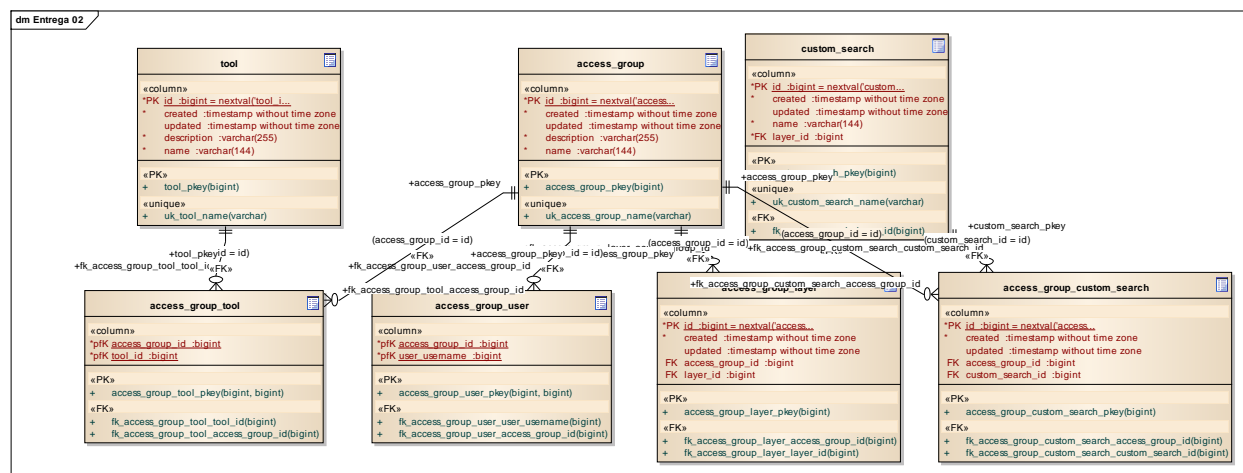


Figure: 3

## access\_group

Database: PostgreSQL, Stereotype: «table», Package: Entrega 02  
 Detail: Created on 23/01/2015. Last modified on 23/01/2015.  
 Notes:

### Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	id	bigint	True	True	0	0	0	nextval('access_group_id_seq'::regclass)	
False	created	timestamp without time zone	True	False	0	0	0		
False	updated	timestamp without time	False	False	0	0	0		

		zone							
False	description	varchar	True	False	255	0	0		
False	name	varchar	True	False	144	0	0		

**Constraints**

Name	Type	Columns	Initial Code	Notes
access_group_pkey	Public	id		
uk_access_group_name	Public	name		

**Relationships**

Columns	Association	Notes
(access_group_id = id)	<b>0..*</b> access_group_tool.fk_access_group_tool_access_group_id <b>1</b> access_group.access_group_pkey	
(access_group_id = id)	<b>0..*</b> access_group_user.fk_access_group_user_access_group_id <b>1</b> access_group.access_group_pkey	
(access_group_id = id)	<b>0..*</b> access_group_custom_search.fk_access_group_custom_search_access_group_id <b>1</b> access_group.access_group_pkey	
(access_group_id = id)	<b>0..*</b> access_group_layer.fk_access_group_layer_access_group_id <b>1</b> access_group.access_group_pkey	

**access\_group\_custom\_search**

Database: PostgreSQL, *Stereotype*: «table», *Package*: Entrega 02

Detail: Created on 23/01/2015. Last modified on 23/01/2015.

Notes:

**Columns**

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	id	bigint	True	True	0	0	0	nextval('access_group_custom_search_id_seq'::regclass)	
False	created	timestamp without time zone	True	False	0	0	0		
False	updated	timestamp without time zone	False	False	0	0	0		
False	access_group_id	bigint	False	False	0	0	0		

False	custom_search_id	bigint	False	False	0	0	0		
-------	------------------	--------	-------	-------	---	---	---	--	--

**Constraints**

Name	Type	Columns	Initial Code	Notes
access_group_custom_search_pkey	Public	id		
fk_access_group_custom_search_access_group_id	Public	access_group_id		
fk_access_group_custom_search_custom_search_id	Public	custom_search_id		

**Relationships**

Columns	Association	Notes
(access_group_id = id)	<b>0..*</b> access_group_custom_search.fk_access_group_custom_search_access_group_id <b>1</b> access_group.access_group_pkey	
(custom_search_id = id)	<b>0..*</b> access_group_custom_search.fk_access_group_custom_search_custom_search_id <b>1</b> custom_search.custom_search_pkey	

**access\_group\_layer**

*Database:* PostgreSQL, *Stereotype:* «table», *Package:* Entrega 02

*Detail:* Created on 23/01/2015. Last modified on 23/01/2015.

*Notes:*

**Columns**

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	id	bigint	True	True	0	0	0	nextval('access_group_layer_id_seq'::regclass)	
False	created	timestamp without time zone	True	False	0	0	0		
False	updated	timestamp without time zone	False	False	0	0	0		
False	access_group_id	bigint	False	False	0	0	0		
False	layer_id	bigint	False	False	0	0	0		

**Constraints**

Name	Type	Columns	Initial Code	Notes
access_group_layer_pkey	Public	id		
fk_access_group_layer_access_group_id	Public	access_group_id		
fk_access_group_layer_layer_id	Public	layer_id		

Relationships

Columns	Association	Notes
(access_group_id = id)	<b>0..*</b> access_group_layer.fk_access_group_layer_access_group_id <b>1</b> access_group.access_group_pkey	

**access\_group\_tool**

Database: PostgreSQL, *Stereotype*: «table», *Package*: Entrega 02

*Detail*: Created on 23/01/2015. Last modified on 23/01/2015.

*Notes*:

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	access_group_id	bigint	True	True	0	0	0		
True	tool_id	bigint	True	True	0	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
access_group_tool_pkey	Public	access_group_id tool_id		
fk_access_group_tool_tool_id	Public	tool_id		
fk_access_group_tool_access_group_id	Public	access_group_id		

Relationships

Columns	Association	Notes
(access_group_id = id)	<b>0..*</b> access_group_tool.fk_access_group_tool_access_group_id p_id <b>1</b> access_group.access_group_pkey	
(tool_id = id)	<b>0..*</b> access_group_tool.fk_access_group_tool_tool_id <b>1</b> tool.tool_pkey	

**access\_group\_user**

Database: PostgreSQL, *Stereotype*: «table», *Package*: Entrega 02

*Detail*: Created on 23/01/2015. Last modified on 23/01/2015.

*Notes*:

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	access_group_id	bigint	True	True	0	0	0		
True	user_username	bigint	True	True	0	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
access_group_user_pkey	Public	access_group_id user_username		
fk_access_group_user_user_username	Public	user_username		

Name	Type	Columns	Initial Code	Notes
fk_access_group_user_access_group_id	Public	access_group_id		

Relationships

Columns	Association	Notes
(access_group_id = id)	<b>0..*</b> access_group_user.fk_access_group_user_access_group_id <b>1</b> access_group.access_group_pkey	

**custom\_search**

Database: PostgreSQL, *Stereotype*: «table», *Package*: Entrega 02

Detail: Created on 23/01/2015. Last modified on 23/01/2015.

Notes:

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	id	bigint	True	True	0	0	0	nextval('custom_search_id_seq':regclass)	
False	created	timestamp without time zone	True	False	0	0	0		
False	updated	timestamp without time zone	False	False	0	0	0		
False	name	varchar	True	False	144	0	0		
False	layer_id	bigint	True	False	0	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
custom_search_pkey	Public	id		
uk_custom_search_name	Public	name		
fk_custom_search_layer_id	Public	layer_id		

Relationships

Columns	Association	Notes
(custom_search_id = id)	<b>0..*</b> access_group_custom_search.fk_access_group_custom_search_custom_search_id <b>1</b> custom_search.custom_search_pkey	

**tool**

Database: PostgreSQL, *Stereotype*: «table», *Package*: Entrega 02

Detail: Created on 23/01/2015. Last modified on 23/01/2015.



Notes:

### Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	id	bigint	True	True	0	0	0	nextval ('tool_id_seq':regclass)	
False	created	timestamp without time zone	True	False	0	0	0		
False	updated	timestamp without time zone	False	False	0	0	0		
False	description	varchar	True	False	255	0	0		
False	name	varchar	True	False	144	0	0		

### Constraints

Name	Type	Columns	Initial Code	Notes
tool_pkey	Public	id		
uk_tool_name	Public	name		

### Relationships

Columns	Association	Notes
(tool_id = id)	<b>0..*</b> access_group_tool.fk_access_group_tool_tool_id <b>1</b> tool.tool_pkey	

## Entrega 03

Type:

Package:

Detail:

Notes:

### Package

Modelo de dados

Created on 23/01/2015. Last modified on 23/01/2015.

### Entrega 03

Created By: Vinicius Kawamoto on 23/01/2015

Last Modified: 23/01/2015, Version: 1.0

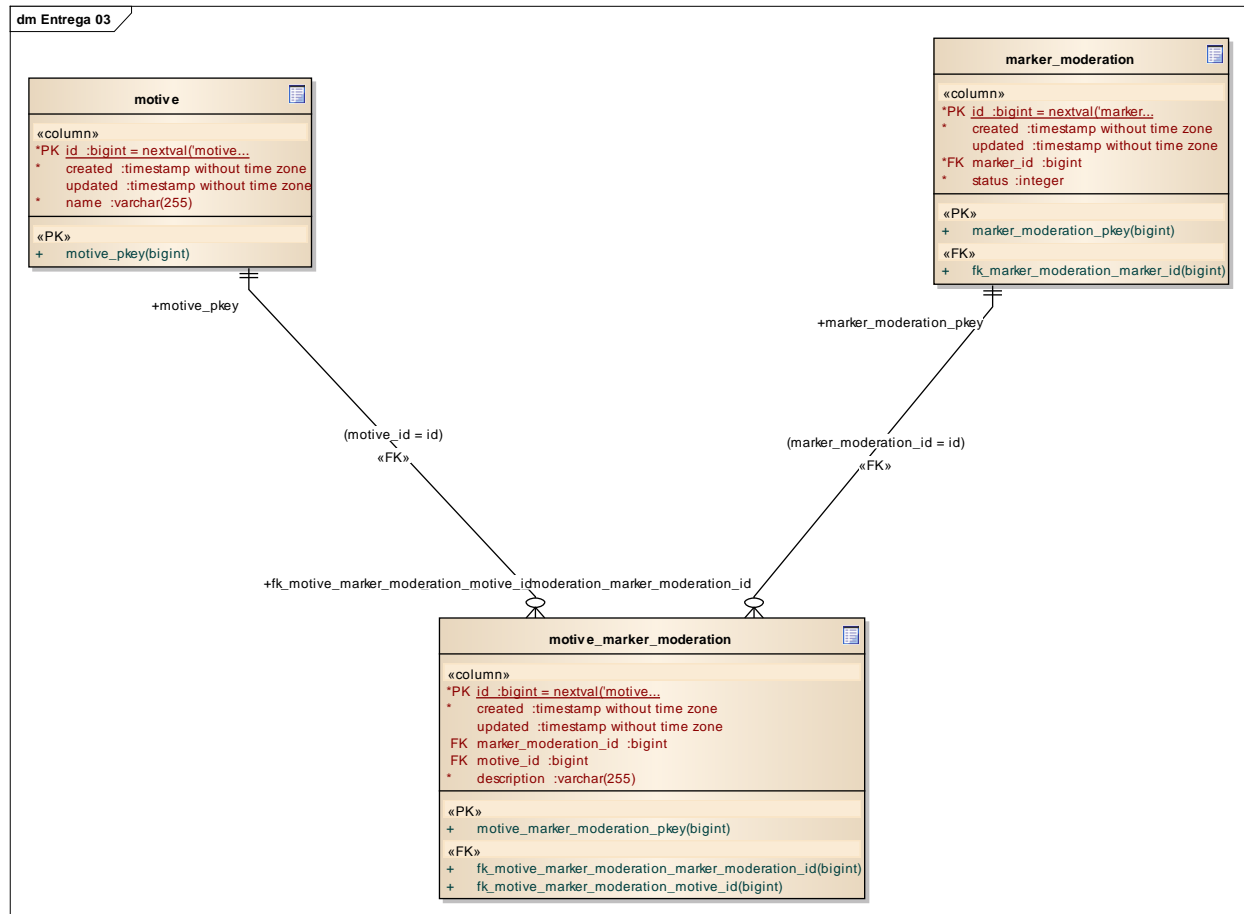


Figure: 4

## marker\_moderation

Database: PostgreSQL, *Stereotype*: «table», *Package*: Entrega 03

Detail: Created on 23/01/2015. Last modified on 23/01/2015.

Notes:

### Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	id	bigint	True	True	0	0	0	nextval('marker_moderation_id_seq'::regclass)	
False	created	timestamp without time zone	True	False	0	0	0		
False	updated	timestamp without time zone	False	False	0	0	0		

False	marker_id	bigint	True	False	0	0	0		
False	status	integer	True	False	0	0	0		

**Constraints**

Name	Type	Columns	Initial Code	Notes
marker_moderation_pkey	Public	id		
fk_marker_moderation_marker_id	Public	marker_id		

**Relationships**

Columns	Association	Notes
(marker_moderation_id = id)	<b>0..*</b> motive_marker_moderation.fk_motive_marker_moderation_marker_moderation_id <b>1</b> marker_moderation.marker_moderation_pkey	

**motive**

Database: PostgreSQL, *Stereotype*: «table», *Package*: Entrega 03

Detail: Created on 23/01/2015. Last modified on 23/01/2015.

Notes:

**Columns**

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	id	bigint	True	True	0	0	0	nextval('motive_id_seq'::regclass)	
False	created	timestamp without time zone	True	False	0	0	0		
False	updated	timestamp without time zone	False	False	0	0	0		
False	name	varchar	True	False	255	0	0		

**Constraints**

Name	Type	Columns	Initial Code	Notes
motive_pkey	Public	id		

**Relationships**

Columns	Association	Notes
(motive_id = id)	<b>0..*</b> motive_marker_moderation.fk_motive_marker_moderation_motive_id <b>1</b> motive.motive_pkey	

**motive\_marker\_moderation**

Database: PostgreSQL, *Stereotype*: «table», *Package*: Entrega 03

Detail: Created on 23/01/2015. Last modified on 23/01/2015.

*Notes:*

### Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	id	bigint	True	True	0	0	0	nextval('motive_marker_moderation_id_seq'::regclass)	
False	created	timestamp without time zone	True	False	0	0	0		
False	updated	timestamp without time zone	False	False	0	0	0		
False	marker_moderation_id	bigint	False	False	0	0	0		
False	motive_id	bigint	False	False	0	0	0		
False	description	varchar	True	False	255	0	0		

### Constraints

Name	Type	Columns	Initial Code	Notes
motive_marker_moderation_pkey	Public	id		
fk_motive_marker_moderation_marker_moderation_id	Public	marker_moderation_id		
fk_motive_marker_moderation_motive_id	Public	motive_id		

### Relationships

Columns	Association	Notes
(marker_moderation_id = id)	<b>0..*</b> motive_marker_moderation.fk_motive_marker_moderation_marker_moderation_id <b>1</b> marker_moderation.marker_moderation_pkey	
(motive_id = id)	<b>0..*</b> motive_marker_moderation.fk_motive_marker_moderation_motive_id <b>1</b> motive.motive_pkey	