

Specific contract n°07.0201/2014/SFRA/698614/ENV.C.2 implementing Framework Service Contract ENV.D.2/FRA/2012/0013: “Expanding the Urban Wastewater Structured Information and Implementation Framework (SIIF) via: Improvement of the SIIF IT toolbox and Extension of the Urban Waste Water Directive (UWWTD) SIIF approach to four new Member States.”

UWWTD SIIF national toolbox

How to manage the UWWTD SIIF toolbox

Version 2.0
February 2016







Date: 2 February 2016

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1 Introduction

This document is intended to help the administrators of the web portal perform the primary tasks needed for a well-functioning website:

- User login
- Importing a new dataset
- Managing errors
- Modifying whole datasets
- Modifying single data elements
- Deleting whole datasets
- Deleting single data elements
- Translating the website
- Creating and setting up webservicees
- Creating and publishing layers
- Giving access to the web services and accessing with a GIS Software

This document presumes you have already installed your server and all the necessary requirements detailed in the document 'UWWTD-SIIF-installation-centos.doc'.

To summarise the requirements:

- a Centos/Red Hat server with at least 2 Go of RAM,
- some development tools,
- an Apache 2 webserver with PHP 5.3,
- the GeoPHP libraries,
- uploadprogress and dbase pecl modules,
- the installation kit with database dump and website sources
- the database : Postgres 8.4 or 9.x with Postgis extension (version > 1.5) ,
- the website : Drupal 7,
- the map server : Geoserver.





On the website, configuration and administration guides are available at the address: [www.\[your site url\]/admin/help](http://www.[your site url]/admin/help)

2 Key aspects of administration

2.1 User connection

Prior to any administration task on the web portal, user registration has to be operated.

Go to the address [www.\[your site url\]/user](http://www.[your site url]/user) and type your ID and password.

UWWTD SIIF Ireland National Node

Home View/Discover Download/Invoice Statistics Regulations Resources Contact

Log in Request new password

Username *

Password *

Log in

Service request funded by the European Commission (Directorate General Environment)

Expanding the Urban Wastewater Treatment Directive Structured Implementation and Information Framework (UWWTD SIIF) – n°: 07.0201/2014/SFRA/698614/ENV.C.2 and n°07.0201/2014/SFRA/698614/ENV.C.2 – date 02/01/2015 to 1/01/2016

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Credits | Disclaimer

MINISTRY LOGO

If you have not yet changed your default password your login and password will be:

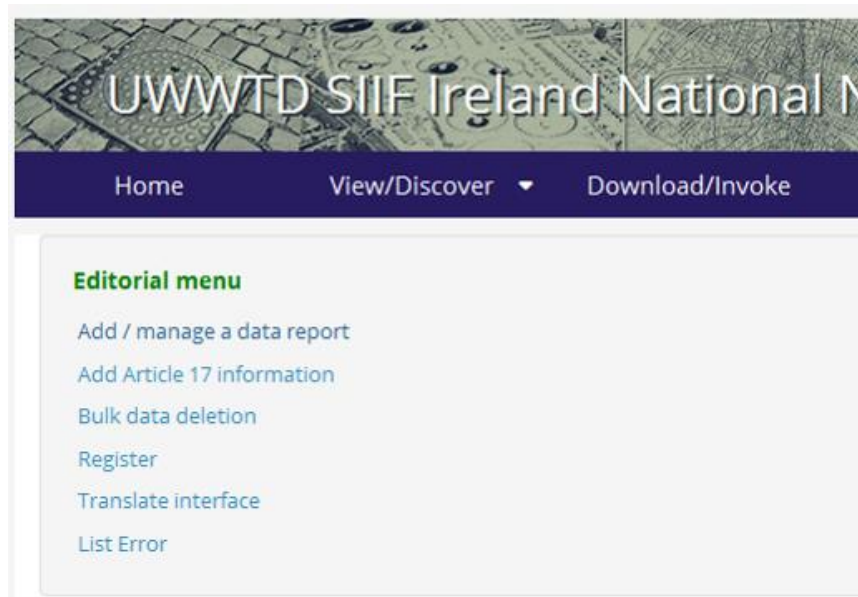
- login: admin
- password: admin

We strongly recommend that you change this password as soon as possible as explained in the previous document 'UWWTD-SIIF-installation-centos.doc' provided with the installation kit.





Once connected a new menu appear just below the main menu. This menu is the editorial menu allowing you quick access to all the main administration tasks.



2.2 Managing data

2.2.1 Importing or Adding UWWTD article 15 data and/or GIS files of receiving areas for a given year

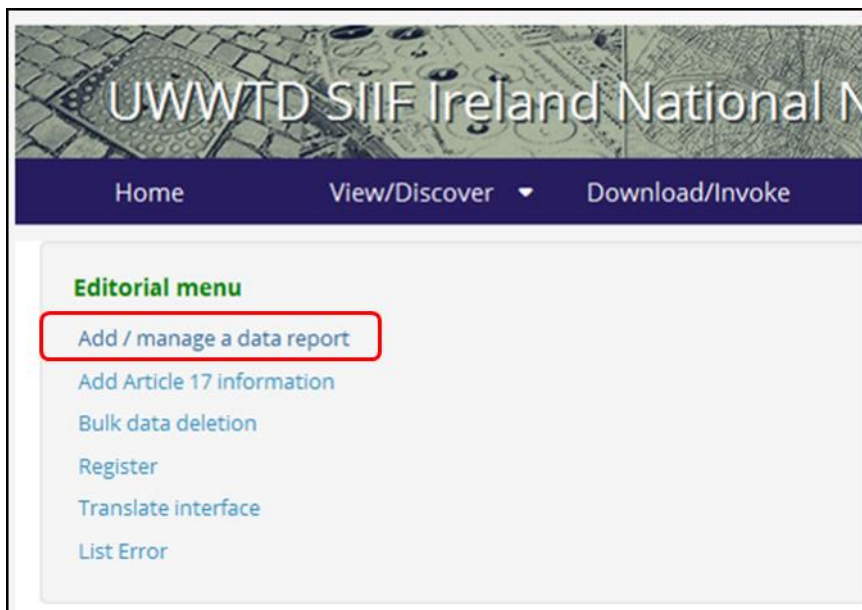
Objective: adding a UWWTD dataset for a new year.

To add data for a new year you must either have:

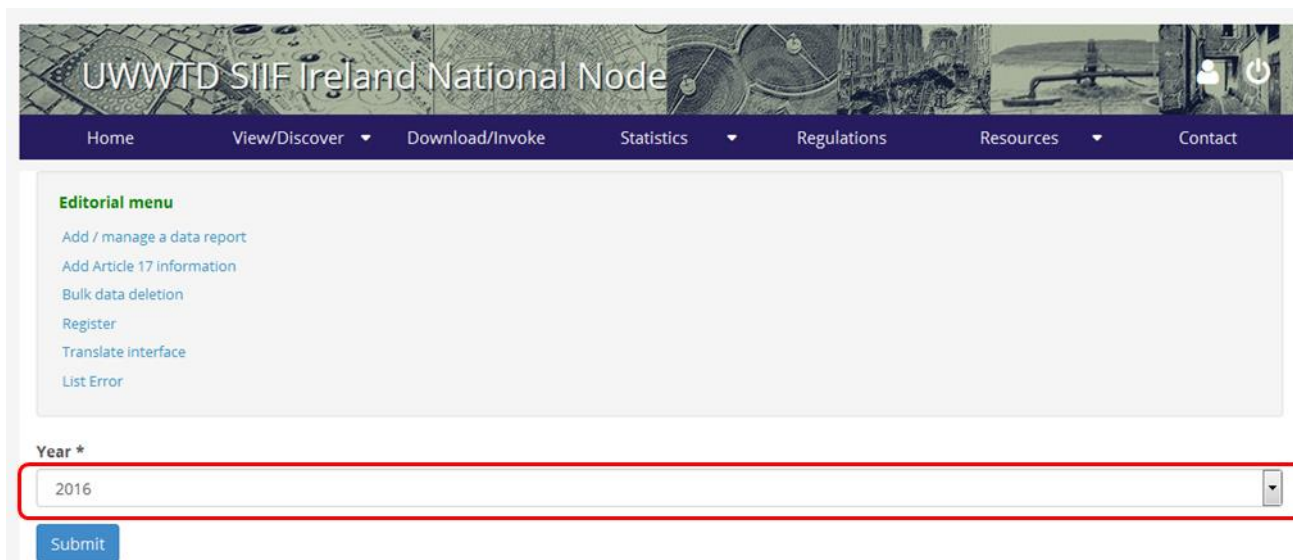
- A European validate .XML file containing all the information necessary.
- A compressed .ZIP file containing all the individual .CSV files for all the necessary tables of data.
- A compressed .ZIP file containing all the geometry data in the form of a .SHP file and the other necessary files.

1/ Connect as an administrator of the system and select add/manage a data report





2/ Choose the year which your data concerns





3/ Select the European validated XML file or a compressed .ZIP file containing all the .CSV files used to construct a valid XML file and click on “upload”, and once finished click on “continue” at bottom of the page.

4/ Select the compressed .ZIP file containing all the .SHP files needed for your country’s geographical zones and click on “upload”, and once finished click on “continue” at bottom of the page.





5/ Click the submit button to launch the import.

2.2.2 Managing errors

Once you have finished importing a dataset it may be possible that some errors have occurred due to missing or poorly formatted data.

To address these errors a table has been created to be able to correctly view them.

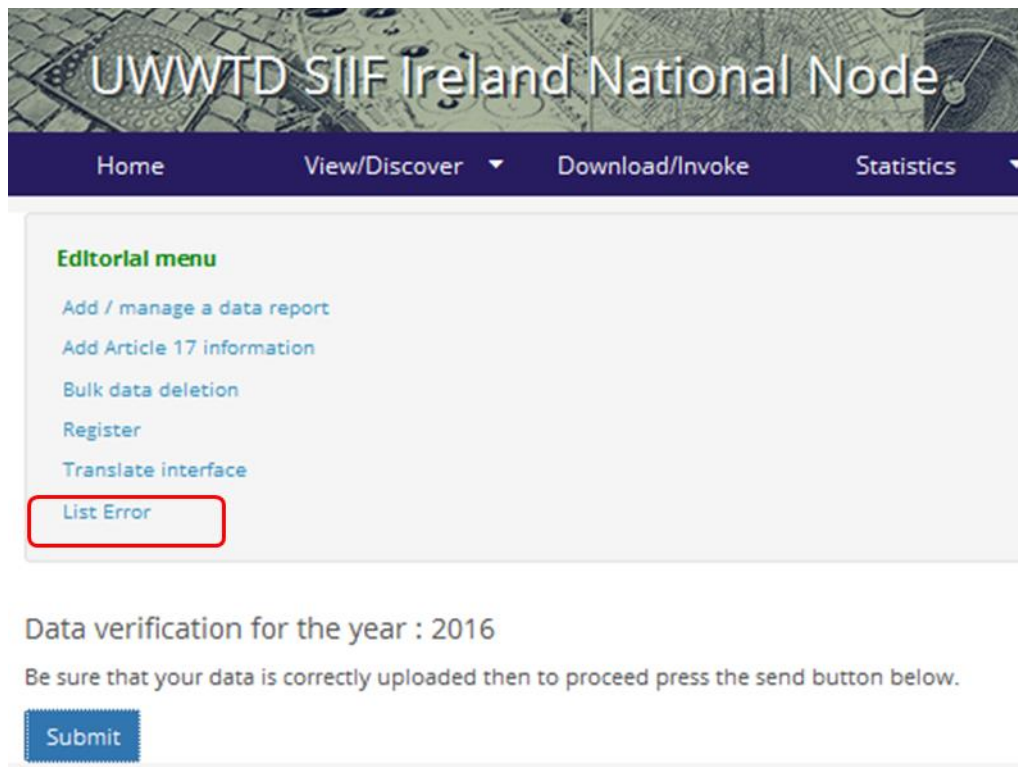
1/ Click the editorial menu link 'List error'

2/ Sort and select the errors for deletion





Once on the error management page you can view any error that may have occurred and see which data element they concern.



You can sort them or select the type of errors you want to look at. After having solved the issues or if you simply want to ignore them, please delete them by selecting them from the table shown below and clicking delete.





UWWTD SIIF Ireland National Node

[Home](#)[View/Discover](#)[Download/Invoke](#)[Statistics](#)[Regulations](#)[Resources](#)[Contact](#)

Editorial menu

- [Add / manage a data report](#)
- [Add Article 17 information](#)
- [Bulk data deletion](#)
- [Register](#)
- [Translate interface](#)
- [List Error](#)

Error list

year

date

type

category

Sort by

Order

- Any -

Is between

- Any -

import c

date

Desc

Apply

And

Once criteria entered click on the “Apply” button and you obtain a table listing the issues and a link to the individual fiche where the exact issue is detailed:

errId	year	date	category	type	error	Title	Broken handler
42966	2012	2015-10-07 17:34:51	import data input	warning	No discharge point WFD sub unit reference date information found.	Tradaree Waste Water Treatment Plant	uwwtd_import_errors.views_bulk_operations
42965	2012	2015-10-07 17:34:51	import data input	warning	No discharge point remarks information found.	Tradaree Waste Water Treatment Plant	
42964	2012	2015-10-07 17:34:51	import data input	warning	No discharge point WFD river basin district connexion information found.	Tradaree Waste Water Treatment Plant	
42963	2012	2015-10-07 17:34:51	import data input	warning	No discharge point ID of WFD sub-unit information found.	Tradaree Waste Water Treatment Plant	
42962	2012	2015-10-07 17:34:51	import data input	warning	No discharge point ID of WFD groundwater body type information found.	Tradaree Waste Water Treatment Plant	
42961	2012	2015-10-07 17:34:51	import data input	warning	No discharge point Has the Commission formally accepts that the conditions of art. 6 (2) are met information found.	Tradaree Waste Water Treatment Plant	





2.2.3 Modification or suppression of a single element for a given year

CAUTION! Be aware you are responsible for the coherence of the national dataset. To insure this, you will certainly have to correct the national dataset and report it on Eionet again to avoid inconsistencies between the publically available national and European dataset. The normal process should be:

- identification of a set of modifications /corrections needed on the dataset for one or more years
- correction of the dataset(s)
- submission to the dedicated CDR envelope(s)
- import of the new xml file(s) on the UWWTD SIIF platform
- recalculation of compliance

The import and calculation functions of the toolbox require only small manual operations and allow delete and replace a dataset by another one and recalculate the compliance, and this option should be preferred.

However, the UWWTD SIIF toolbox allows you to modify or delete a single element for a given year and this is described hereunder. If you decide to modify an element directly in the website, be sure that it will be coherent with the content of last national dataset to avoid incoherence between the reported data and the visualization of them.

After identifying an error or if you simply want to change some of the information provided by the dataset then you will need to modify the element concerned. You may also wish to delete an element from the website.

1/ To modify or delete an element, first go to the relevant page for the element and the correct year.

The URL will be constructed in the following format: [http://www.\[website base address\]/\[year of data\]/\[type of data\]/\[element site id\]](http://www.[website base address]/[year of data]/[type of data]/[element site id])

Example: http://www.uwwtd_pl/2013/agglomeration/pldo023

2/ Then click the Drupal link to modify the element.



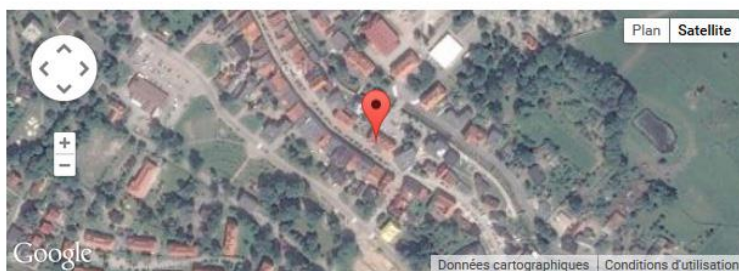


[Translate interface](#)

View **Edit** Devel

Agglomeration : **Kowary** - Identifier : **PLDO023** - Status : **Active** - Reporting year : **2013**

Region (NUTS) Code : PL112 - Region (NUTS) Name : PL112

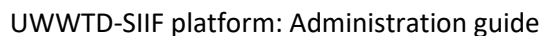


Description 2013

Generated load (p.e.): 25 000
Collective system: 40.00 %
Individual and Appropriate Systems (IAS): Not provided
Discharge without treatment: 60.00 %

Compli
Article
Article
Article



[illegible]

It is also possible to modify an entire dataset for a given year. This can be useful when trying to import a revision for a given year where a large amount of data was incorrect. Please be careful, once validated there is no possibility to come back to previous version except by reprocessing everything. You will need to have the rights to do this.





2/ Select and submit the European validated XML file or compressed .ZIP file containing the appropriate .CSV files.

By uploading again a dataset you will modify the data contained in each of the year's data and therefore allow you to modify any wrong information on a large scale.

Please note that this will not affect any previously calculated information concerning the conformity of any elements nor will it delete any.

3/ You may now wish to reevaluate the conformity of your data.

Having changed some of the information in your dataset it is recommended but not obligatory that you rescan your dataset to calculate the conformity.

To achieve this you can skip the next step 'import of .SHP files' by clicking on the link 'continue' to the end.





2.2.5 Deletion of data for a given year

1/ You must first go to the following address: [your site base url]/destroy-data or to the Bulk data deletion menu in the administration menu. You will need to have the rights to do this.

2/ Once on this page you can select the year you wish to destroy plus the type of data.

Data deletion

Type:
Agglomeration UWWTP data
Article
Article 17
Basic page
Big city
Discharge point
Error

Year of data:

Operations

- Choose an operation -

Site unique ID	Type	Title	
2013_uww_PLPL0370	UWWTP	Rajgrad	<input type="checkbox"/>
2013_uww_PLPL0360	UWWTP	Nowa Łuka	<input type="checkbox"/>
2013_uww_PLPL0332	UWWTP	BOS 100	<input type="checkbox"/>
2013_uww_PLPL0311	UWWTP	Hydrocentrum	<input type="checkbox"/>
2013_uww_PLPL0310	UWWTP	Knyszyn	<input type="checkbox"/>
2013_uww_PLPL0290	UWWTP	Stawiski	<input type="checkbox"/>
2013_uww_PLPL0270	UWWTP	Szczuczyn	<input type="checkbox"/>
2013_uww_PLPL0260	UWWTP	HYDROCENTRUM	<input type="checkbox"/>
2013_uww_PLPL0240	UWWTP	Narewka	<input type="checkbox"/>
2013_uww_PLPL0230	UWWTP	Krypno	<input type="checkbox"/>
2013_uww_PLPL0220	UWWTP	Oczyszczalnia ścieków w Ciechanowcu	<input type="checkbox"/>

Please note you can delete an entire data file by selecting all types of data for the year.

3/ Next click on the “submit” button to proceed to deleting the elements selected. **PROCEED CAREFULLY with this function, there is no safety net, no recovery is possible once you click!**





Data deletion

Type

- Agglomeration
- Agglomeration UWWTP data
- Article 17
- Basic page
- Big city
- Discharge point
- Error

Year of data

2013

Operations

- Choose an operation -

Site unique ID	Type	Title	
2013_uww_PLPL0370	UWWTP	Rajgrad	<input type="checkbox"/>
2013_uww_PLPL0360	UWWTP	Nowa Łuka	<input type="checkbox"/>
2013_uww_PLPL0332	UWWTP	BOS 100	<input type="checkbox"/>
2013_uww_PLPL0311	UWWTP	Hydrocentrum	<input type="checkbox"/>

2.2.6 Importing or Adding UWWTD article 17 data for a given year

2.2.6.1. Create your Excel file

To insert article 17 information you will need to first create correct Excel file. To begin this step click on “Add Article 17 information”.

Once done you will notice a link to a pre-filled file: you need to first click on the link to launch the generation of the file. Once done, you can download it by clicking on the link that states “get the article 17 pre-filled file for year XX” and it will open in excel.

The file contains the data already imported with the Article 15 xml file (see section 2.2.1 above). Please fill out the file with all your information without modifying the layout and then save it.

2.2.6.2. Upload the new Excel file

Next upload the newly created Excel file using the file browser and click the ‘submit’ button.



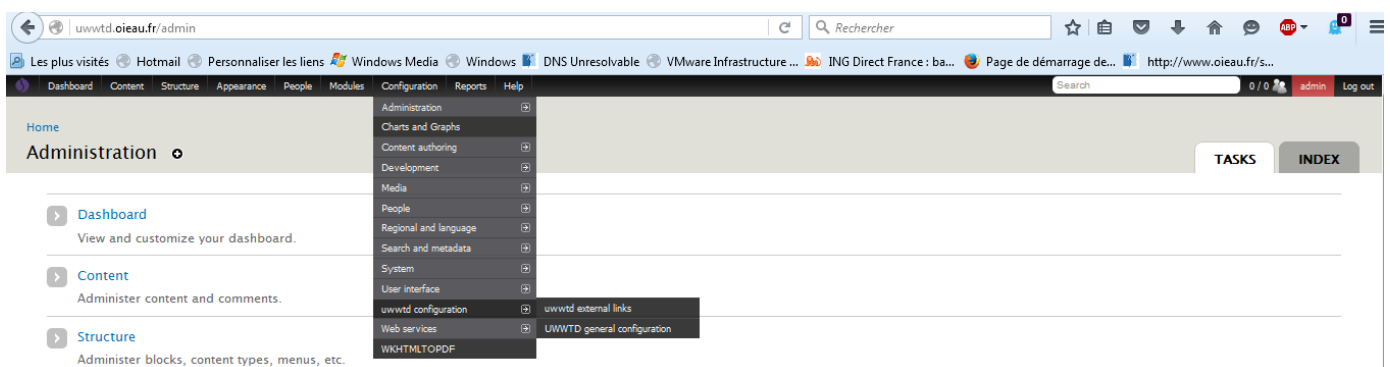


Once completed, the data should be made visible on the agglomeration and treatment plant fiches with information (check with the “Article 17” filter on the dedicated webpages).

2.2.7 Add external links

If a national portal is giving information on the individual objects in a structured manner: Agglomeration, Treatment plant, discharge point or receiving area and uses at least one key information available in the dataset reported to Europe (ideally the IDCode but the name might be also possible), the system allows to include a link to it in the fiches.

This is done via the following configuration menu:





Which brings you to the following page where you can enter the structure of the link for each type of fiche.

For instance you can enter in the box Agglomeration url a text of the form: `www.YOURWEB-SITE.com/wastewater/agg/[Identifiant]`

The screenshot shows a web browser window with the URL `uwwtd.oieau.fr/admin/configuration/uwwtd/extlinks`. The page contains three large text input fields, each with a label above it and a description below it:

- Agglomeration url**: The url of the agglomeration
- Discharge point url**: The url of the discharge point
- Receiving area url**: The url of the receiving area

2.2.8 Calculate the national Register

Before to start this, perform a flush of all cached data to insure everything is clean. To clear all the cached data on your platform please hover your mouse over the Drupal logo situated to the far left of the admin menu and click on 'flush all caches'.

The tool includes a module to automatically generate the national register used to elaborate the national chapter of the EU Commission implementation report. To generate this you simply need to click on "Register" and follow the instruction (select the year, re-calculate if already exists).

2.2.9 Perform a flush of all the cached data

To insure everything runs smoothly, and once all previous steps are implemented, you need to flush all cached data. To clear all the cached data on your platform please hover your mouse over the Drupal logo situated to the far left of the admin menu and click on 'flush all caches'.





2.3 Add a new language

To be able to translate the text users will see when connecting to the web portal, you must first install a new language to be used.

1/ Navigate to [yourwebsite]/admin/config/regional/language

2/ Click on the link 'Add language'

Home » Administration » Configuration » Regional and language

Languages o LIST DETECTION

With multiple languages enabled, interface text can be translated, registered users may select their preferred language, and authors can assign a specific language to content. [Download contributed translations](#) from Drupal.org.

Warning: Changing the default language may have unwanted effects on string translations. Check also the [source language](#) for translations and read more about [String translation](#).

[+ Add language](#)

ENGLISH NAME	NATIVE NAME	CODE	DIRECTION	ENABLED	DEFAULT
English	English	en	Left to right	<input checked="" type="checkbox"/>	<input type="radio"/>
Polish	Polski	pl	Left to right	<input checked="" type="checkbox"/>	<input type="radio"/>

[Save configuration](#)

3/ Choose your language and click 'Add language' (this may take a few minutes)

Home » Administration » Configuration » Regional and language » Languages

Languages o LIST +

Add a language to be supported by your site. If your desired language is not available in the *Language name* drop-down, click *Custom language* and provide a language code and other details manually. When providing a language code, since this code may be used by browsers to determine an appropriate display language.

PREDEFINED LANGUAGE

Language name
Abkhazian (аҧсуа бызшәа)

Use the *Custom language* section below if your desired language does not appear in this list.

[Add language](#)

CUSTOM LANGUAGE

4/ You can now configure which language to be used by default and if you choose you can disable others.





Home » Administration » Configuration » Regional and language

Languages

LIST DETECTION

With multiple languages enabled, interface text can be translated, registered users may select their preferred language, and authors can assign a specific language to content. [Download contributed translations](#) from Drupal.org.

Warning: Changing the default language may have unwanted effects on string translations. Check also the [source language](#) for translations and read more about [String translation](#).

[+ Add language](#)

ENGLISH NAME	NATIVE NAME	CODE	DIRECTION	ENABLED	DEFAULT
English	English	en	Left to right	<input checked="" type="checkbox"/>	<input type="radio"/>
Polish	Polski	pl	Left to right	<input checked="" type="checkbox"/>	<input checked="" type="radio"/>

[Save configuration](#)

2.4 Translating a word or phrase

To start translating your interface, please first see the section of how to add a language to your Drupal installation.

You can either translate the entire text or you may wish to translate a certain expression that you found on the portal. In such case, you can use the “search” function of the translation interface to find back an expression. In both cases, you can translate as described in the following.

1/ After the last step, to translate the interface you must head to the page found at [your site base url]/admin/config/regional/translate/translate.

You will land on a page that lists all the strings already translated.

WARNING: If you have just connected to the web portal be sure to remove ‘/user’ from the URL before.





Home » Administration » Configuration » Regional and language » Translate interface

TRANSLATE

This page allows a translator to search for specific translated and untranslated strings, and is used when creating or editing translations. Please. For translation tasks involving many strings, it may be more convenient to export strings for offline editing in a desktop software translation editor. Search for strings found within a specific test group or in a specific language.

SEARCH FOR TRANSLATABLE STRINGS

String contains:

Leave blank to show all strings. The search is case sensitive.

Language: Search in: Search results: Filter

TEST GROUP	STRING	CONTEXT	LANGUAGES	OPERATIONS
Built-in interface	An Ajax HTTP error occurred	JS	en	edit delete
Built-in interface	HTTP Request Code: success	JS	en	edit delete
Built-in interface	An Ajax HTTP request terminated abnormally	JS	en	edit delete
Built-in interface	Debugging information follows	JS	en	edit delete
Built-in interface	Path: /api	JS	en	edit delete
Built-in interface	Status/Event: /status/Event	JS	en	edit delete
Built-in interface	Response/Event: /response/Event	JS	en	edit delete
Built-in interface	Ready/Event: /ready/Event	JS	en	edit delete
Built-in interface	Hide	JS	en	edit delete
Built-in interface	Show	JS	en	edit delete
Built-in interface	Home	JS	en	edit delete
Built-in interface	Development	JS	en	edit delete
Built-in interface	Administration	JS	en	edit delete
Built-in interface	Search	JS	en	edit delete
Built-in interface	None	JS	en	edit delete
Built-in interface	Weight	JS	en	edit delete
Built-in interface	Weight	JS	en	edit delete
Built-in interface	Weight	JS	en	edit delete
Built-in interface	Weight	JS	en	edit delete
Built-in interface	Advanced settings	JS	en	edit delete
Built-in interface	Performance	JS	en	edit delete
Built-in interface	Display all main items	JS	en	edit delete

2/ From here, select the string you wish to translate and click edit, enter the text and click on submit. You will land on a page that lists all the strings already translated including your last string.

3/ If you wish to update the translated content, you can find your string in the list generated and click edit on any of them.

4/ You will be presented with a list of all your added languages and their translations if entered. You can now edit the text for your language and click save translations to save them.

2.5 Reprocessing the conformity

It is possible for your web portal to recalculate the conformity of your elements without having to go through all the steps for importing a data set.

To do this, navigate to [yourwebsite]/data, choose the year you want to recalculate and instead of importing more information just click on the link 'continue' until you reach the step concerning the conformity.

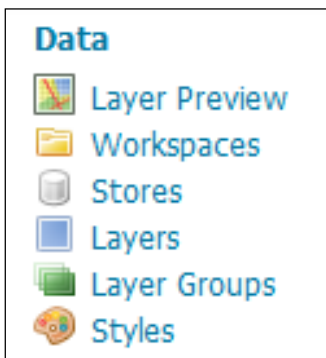




2.6 Setting up the webservice

The Geoserver interface offers 3 levels

- Workspaces
- Stores
- Layers



2.6.1 Creating a workspace : « UWWTD » :

The first step is to create a working space, which will hold the project services

In order to do so :

- Click on “Workspace” (on the left) and “add new workspace”





About & Status

Server Status

GeoServer Logs

Contact Information

About GeoServer

Data

Layer Preview

Workspaces

Stores

Layers

Layer Groups

Styles

Services

WCS

WFS

WMS

Settings

Workspaces

Manage GeoServer workspaces

[Add new workspace](#)

[Remove selected workspace\(s\)](#)

<< < 1 > >> Results 1 to 10 (out of 10 items)

<input type="checkbox"/>	Workspace Name	Default
<input type="checkbox"/>	topp	
<input type="checkbox"/>	tiger	
<input type="checkbox"/>	sf	
<input type="checkbox"/>	sde	
<input type="checkbox"/>	sandre	
<input type="checkbox"/>	nurc	
<input type="checkbox"/>	it.geosolutions	
<input type="checkbox"/>	cite	<input checked="" type="checkbox"/>

- Fill in the information as followed :
 - o The name of the workspace
 - o The URI (Uniform Resource Identifier) to access
 - o A contact name
 - o Tick the services : WMS, WFS

About & Status

Server Status

GeoServer Logs

Contact Information

About GeoServer

Data

Layer Preview

Workspaces

Stores

Layers

Layer Groups

Styles

Services

WCS

WFS

WMS

Settings

Global

JAI

Coverage Access

Edit Workspace

Edit existing workspace

Name

UWWTD

Namespace URI

<http://www.uwwtd.oieau.fr/uwwtd/>

The namespace uri associated with this workspace

Default Workspace

☐

Settings

Enabled

☒

Contact

Name Contact

Organization

Name Organisation

Position

Chief geographer

Services

☐ WCS

☒ WFS

☒ WMS





Tile Caching

- Tile Layers
- Caching Defaults
- Gridsets
- Disk Quota

Security

- Settings
- Authentication
- Passwords
- Users, Groups, Roles
- Data
- Services

Demos

Tools

Address Type

Address

City

State

ZIP code

Country

Telephone

Fax

Email

☒ Verbose Messages☒ Verbose Exception Reporting☒ Include Layer Prefix in Local Workspace Capabilities

Number of Decimals

Character Set

 ▼

Proxy Base URL

REST Disable Resource not found Logging

☐

REST PathMapper Root directory path





2.6.2 Creating a "UWWTD_country" store:

(Examples : UWWTD_Slovenia, UWWTD_Cyprus, UWWTD_Lithuania)

The second step consist in creating 1 or several stores depending on the input data format which will contain the information layers.

For that:

- Click on « Add new store »

Stores

Manage the stores providing data to GeoServer

[Add new Store](#)

[Remove selected Stores](#)

Results 1 to 11 (out of 11 items)

<input type="checkbox"/>	Data Type	Workspace	Store Name	Type	Enabled?
<input type="checkbox"/>		nurc	arcGridSample	ArcGrid	✓
<input type="checkbox"/>		nurc	img_sample2	WorldImage	⚠
<input type="checkbox"/>		nurc	mosaic	ImageMosaic	✓
<input type="checkbox"/>		nurc	worldImageSample	WorldImage	✓
<input type="checkbox"/>		sf	sfdem	GeoTIFF	✓
<input type="checkbox"/>		sandre	StationMesureEauxSurface	PostGIS	✓
<input type="checkbox"/>		sf	sf	Shapefile	✓
<input type="checkbox"/>		tiger	nyc	Shapefile	✓
<input type="checkbox"/>		topp	states_shapefile	Shapefile	✓
<input type="checkbox"/>		topp	taz_shapes	Shapefile	✓
<input type="checkbox"/>		UWWTD	UWWTD_prod	PostGIS	✓

- Select the source format : PostGIS in our project





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- WMS

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Tile Caching

New data source

Choose the type of data source you wish to configure

Vector Data Sources

- Directory of spatial files (shapefiles) - Takes a directory of shapefiles and exposes it as a data store
- PostGIS - PostGIS Database
- PostGIS (JNDI) - PostGIS Database (JNDI)
- Properties - Allows access to Java Property files containing Feature information
- Shapefile - ESRI(tm) Shapefiles (*.shp)
- Web Feature Server (NG) - Provides access to the Features published a Web Feature Service, and the ability to perform transactions on the server (when supported / allowed).

Raster Data Sources

- ArcGrid - Arc Grid Coverage Format
- GeoTIFF - Tagged Image File Format with Geographic information
- Gtopo30 - Gtopo30 Coverage Format
- ImageMosaic - Image mosaicking plugin
- WorldImage - A raster file accompanied by a spatial data file

Other Data Sources

- WMS - Cascades a remote Web Map Service

- Fill in the form as followed

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Tile Caching

New Vector Data Source

Add a new vector data source

PostGIS
PostGIS Database

Basic Store Info

Workspace *

UWWTD

Data Source Name *

UWWTD_Slovenia

Description

☒ Enabled

Connection Parameters

host *

192.168.1.30

port *

5432

database

drupal_eru_si





Tile Layers

Caching Defaults

Gridsets

Disk Quota

Security

Settings

Authentication

Passwords

Users, Groups, Roles

Data

Services

Demos

Tools

schema

wfs

user *

postgres

passwd

Namespace *

http://www.uwwtd.oieau.fr/uwwtd/

☒ Expose primary keys

max connections

10

min connections

1

fetch size

1000

Connection timeout

20

☒ validate connections

☒ Test while idle

Evictor run periodicity

300

evictor tests per run

3

Primary key metadata table

Session startup SQL

Session close-up SQL

☒ Loose bbox

☒ Estimated extends

☐ preparedStatements

Max open prepared statements

50

☐ encode functions

☒ Support on the fly geometry simplification

☐ create database

create database params

Save

Cancel

- Select the workspace
- Enter the name of the store: UWWTD Slovenia, or UWWTD_Cyprus, or UWWTD_Lithuania
- Enter the name of the database and its access :
 - drupal_eru_si (Slovenia)
 - drupal_eru_cy (Cyprus)
 - drupal_eru_li (Lithuania)
- Enter the name of the schema containing the data





2.6.3 Create and publish layers:

The aim is to publish layers from the database tables, previously selected:

- UWWTD_Agglomeration
- UWWTD_DischargePoint
- UWWTD_ReceivingArea
- UWWTD_UrbanWasteWaterTreatmentPlant

Published	Layer name	Action
	UWWTD_Agglomeration	Publish
	UWWTD_BigCity	Publish
	UWWTD_Compliance_Agglomeration	Publish
	UWWTD_Compliance_UWWTP	Publish
	UWWTD_DischargePoint	Publish
	UWWTD_ReceivingArea	Publish
	UWWTD_UWWTPs_Agglomeration	Publish
	UWWTD_UrbanWasteWaterTreatmentPlant	Publish

- Click on “Publish” for the 4 layers, one after the other.

The form displays with 4 sub-topic:

- The « data » sub-topic is used to precise the “name” to link to the data : « UWWTD_Slovenia_Agglomeration ». Check that « enable » and « advertised » are checked. *It may define the projection system (if it isn't completed; generally it is automatically completed) and the bounding boxes of the data; for this, click on « Compute from data » and « Compute from native bounds » in the paragraph « Bounding boxes ».*
- The “publishing” sub topic is used to define the style of the curve : point/polyline/polygon formats, pattern
- The content of the 2 other sub-topic forms could remain unchanged.





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- WFS
- WMS

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- Passwords
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- Services

Demos

Tools

Edit Layer

Edit layer data and publishing

UWWTD:UWWTD_Slovenia_Agglomeration

Configure the resource and publishing information for the current layer

Data

Publishing

Dimensions

Tile Caching

Basic Resource Info

Name
UWWTD_Slovenia_Agglomeration

☒ Enabled

☒ Advertised

Title
UWWTD_Slovenia_Agglomeration

new keyword

Vocabulary

Metadata links

No metadata links so far

Note only FGDC and TC211 metadata links show up in WMS 1.1.1 capabilities

Coordinate Reference Systems

Native SRS
EPSG:4258 [EPSG:ETRS89...](#)

Declared SRS
EPSG:4258 [EPSG:ETRS89...](#)

SRS handling
Force declared

Bounding Boxes

Native Bounding Box

Min X	Min Y	Max X	Max Y
13.5508	45.491	16.4526	46.6786

[Compute from data](#)

Lat/Lon Bounding Box

Min X	Min Y	Max X	Max Y
13.5508	45.4909999990569	16.4526	46.6785999990584

Compute from native bounds

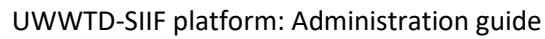
Curved geometries control

☐ Linear geometries can contain circular arcs

Linearization tolerance (useful only if your data contains curved geometries)

Feature Type Details





Do the operation as many times as necessary

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Services

- WCS

Layers

Manage the layers being published by GeoServer

[Add a new resource](#)

[Remove selected resources](#)

<<

<

I

>

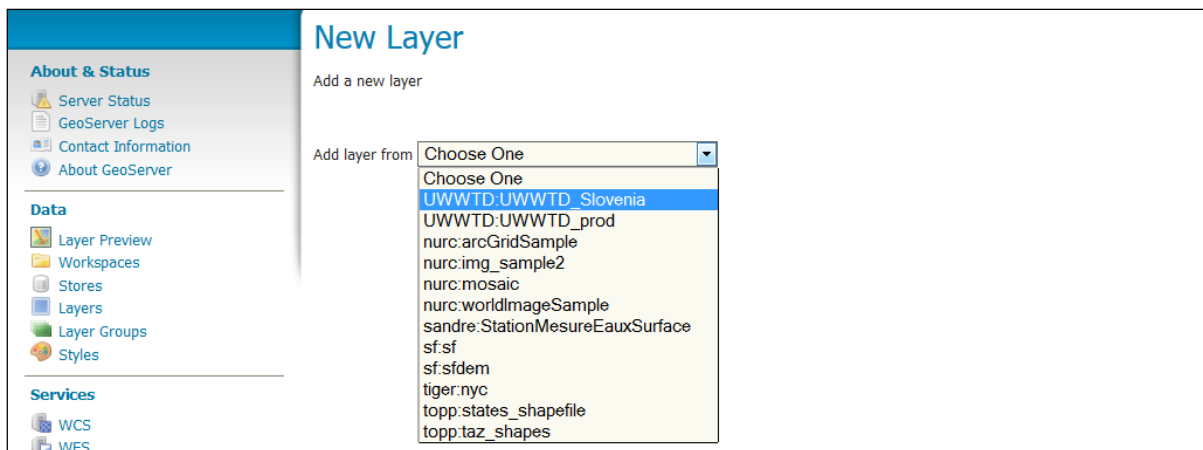
>>

Results 1 to 25 (out of 25 items)

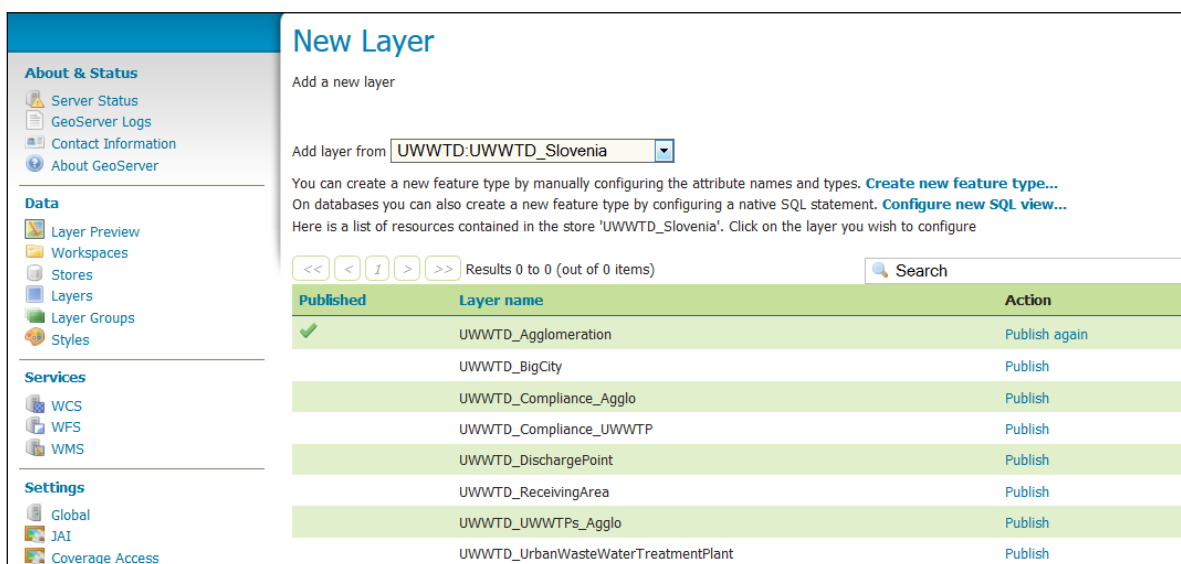
Search

<input type="checkbox"/>	Type	Workspace	Store	Layer Name	Enabled?	Native SRS
<input type="checkbox"/>		UWWTD	UWWTD_prod	UWWTD_Agglomeration	<input checked="" type="checkbox"/>	EPSG:4258
<input type="checkbox"/>		UWWTD	UWWTD_prod	UWWTD_DischargePoint	<input checked="" type="checkbox"/>	EPSG:4258
<input type="checkbox"/>		UWWTD	UWWTD_prod	UWWTD_ReceivingArea	<input checked="" type="checkbox"/>	EPSG:4258
<input type="checkbox"/>		UWWTD	UWWTD_prod	UWWTD_UrbanWasteWaterTreatmentPlant	<input checked="" type="checkbox"/>	EPSG:4258
<input type="checkbox"/>		UWWTD	UWWTD_Slovenia	UWWTD_Slovenia_Agglomeration	<input checked="" type="checkbox"/>	EPSG:4258





- And publish another layer:



At the end, the 4 layers are published (green tick):





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New Layer

Add a new layer

Add layer from

You can create a new feature type by manually configuring the attribute names and types. [Create new feature type...](#)
On databases you can also create a new feature type by configuring a native SQL statement. [Configure new SQL view...](#)
Here is a list of resources contained in the store 'UWWTD_Slovenia'. Click on the layer you wish to configure

<< < 1 > >>

Results 0 to 0 (out of 0 items)

Search

Published	Layer name	Action
✓	UWWTD_Agglomeration	Publish again
✓	UWWTD_DischargePoint	Publish again
✓	UWWTD_ReceivingArea	Publish again
✓	UWWTD_UrbanWasteWaterTreatmentPlant	Publish again
	UWWTD_BigCity	Publish
	UWWTD_Compliance_Agglo	Publish
	UWWTD_Compliance_UWWTP	Publish
	UWWTD_UWWTPs_Agglo	Publish

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Layers

Manage the layers being published by GeoServer

[Add a new resource](#)
[Remove selected resources](#)

<< < 1 2 > >>

Results 1 to 25 (out of 28 items)

Search

Type	Workspace	Store	Layer Name	Enabled?	Native SRS
<input type="checkbox"/>	sandre	StationMesureEauxSurface	StationMesureEauxSurface	✓	EPSG:4326
<input type="checkbox"/>	UWWTD	UWWTD_Slovenia	UWWTD_Slovenia_Agglomeration	✓	EPSG:4258
<input type="checkbox"/>	UWWTD	UWWTD_Slovenia	UWWTD_Slovenia_DischargePoint	✓	EPSG:4258
<input type="checkbox"/>	UWWTD	UWWTD_Slovenia	UWWTD_Slovenia_ReceivingArea	✓	EPSG:4258
<input type="checkbox"/>	UWWTD	UWWTD_Slovenia	UWWTD_Slovenia_UrbanWasteWaterTreatmentPlant	✓	EPSG:4258

The topic “Layer preview » allow the visualisation of the layer in several formats (kml, gml, ...) :





Type	Name	Title	Common Formats	All Formats
UWWTD:UWWTD_Agglomeration	UWWTD_Agglomeration	OpenLayers KML GML	Select one	
UWWTD:UWWTD_DischargePoint	UWWTD_DischargePoint	OpenLayers KML GML	Select one	
UWWTD:UWWTD_ReceivingArea	UWWTD_ReceivingArea	OpenLayers KML GML	Select one	
UWWTD:UWWTD_Slovenia_Agglomeration	UWWTD_Slovenia_Agglomeration	OpenLayers KML GML	Select one	
UWWTD:UWWTD_Slovenia_DischargePoint	UWWTD_Slovenia_DischargePoint	OpenLayers KML GML	Select one	
UWWTD:UWWTD_Slovenia_ReceivingArea	UWWTD_Slovenia_ReceivingArea	OpenLayers KML GML	Select one	
UWWTD:UWWTD_Slovenia_UrbanWasteWaterTreatmentPlant	UWWTD_Slovenia_UrbanWasteWaterTreatmentPlant	OpenLayers KML GML	Select one	
UWWTD:UWWTD_UrbanWasteWaterTreatmentPlant	UWWTD_UrbanWasteWaterTreatmentPlant	OpenLayers KML GML	Select one	

2.6.4 Access to the services

The services can be accessed via the download/invoke section of the platform. It can be queried to know what is possible using the getcapabilities usual function as follows:

GetCapabilities (Description of the service available functions or possibilities : Layer name, available requests, map projections...) :

<http://www.uwwtd.oieau.fr/services/wfs/?service=WFS&version=1.1.0&request=GetCapabilities>

The information layers to be used are of the form UWWTD_[country name]_object :

Example with Cyprus:

- UWWTD_Cyprus_Agglomeration
- UWWTD_Cyprus_DischargePoint
- UWWTD_Cyprus_ReceivingArea
- UWWTD_Cyprus_UrbanWasteWaterTreatmentPlant

The services section comprises for each object the two following:

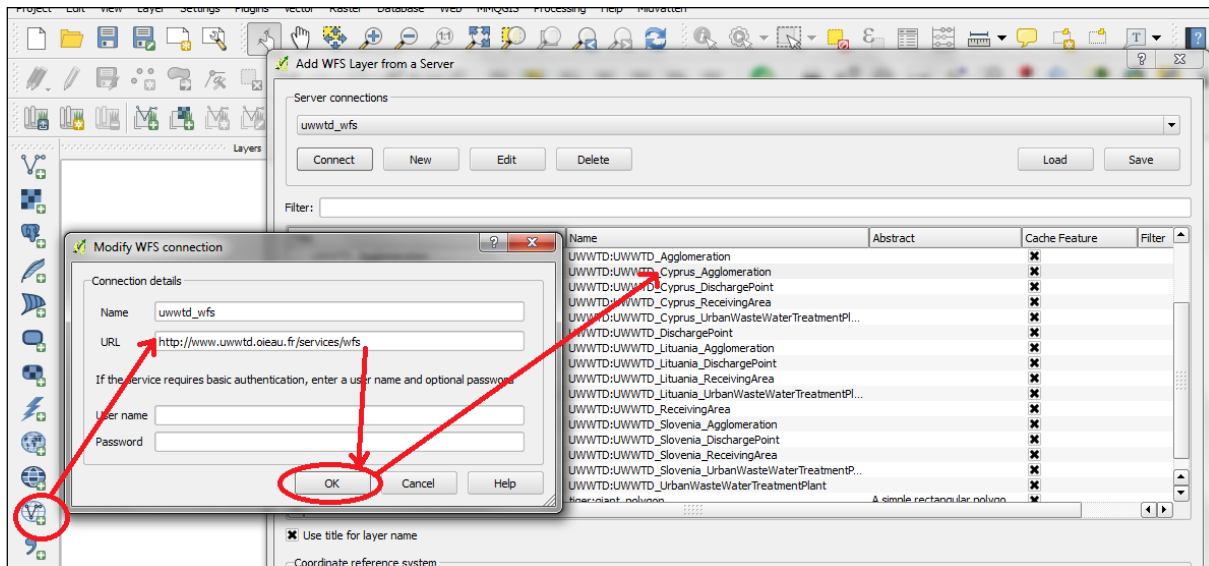
- DescribeFeatureType (description of the information layers: name and format of the fields) :
- GetFeature (Access to the data content in GML format) :



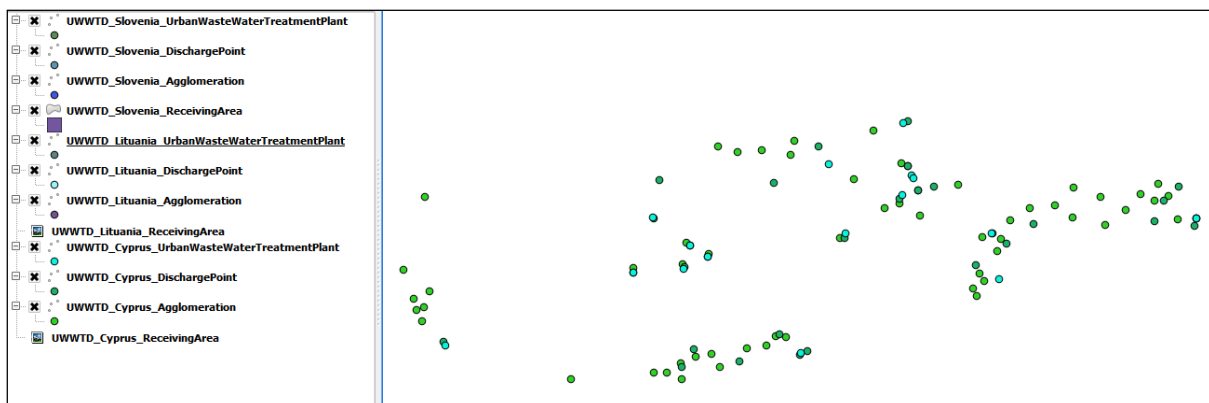


2.6.5 Access from a GIS software, like QGIS:

Access through WFS : <http://www.uwwtd.oieau.fr/services/wfs>

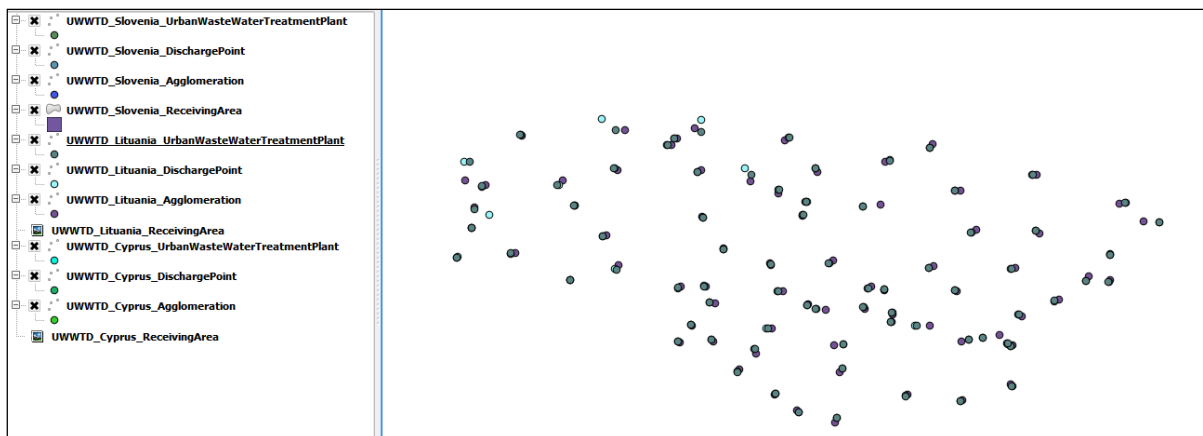


Example with Cyprus :

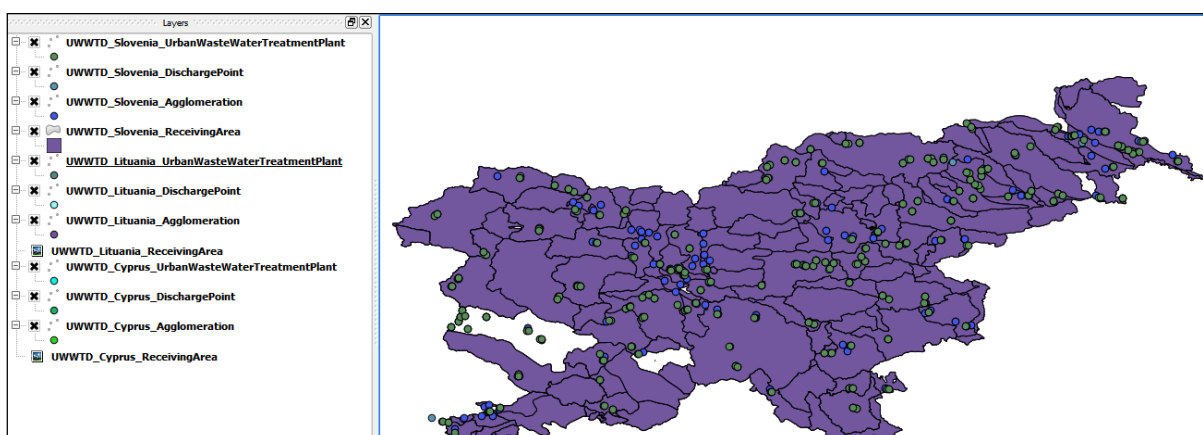


Lithuania :





Slovenia :



2.7 Create webservices metadata

2.7.1 Create metadata on geonetwork catalogue

If you have a metadata catalog like geonetwork or geosource and for implement the INSPIRE directive, you can fill a metadata sheet for each data layer. You also set a harvesting system if your layers are distributed by a webservice.





For create a new record on a Geonetwork catalogue for describe a geographical layer, log on geonetwork with an admin account, and go to the “contribute” menu and click on “Add new record” like bellow and select “Geographic information – Metadata 19139”).

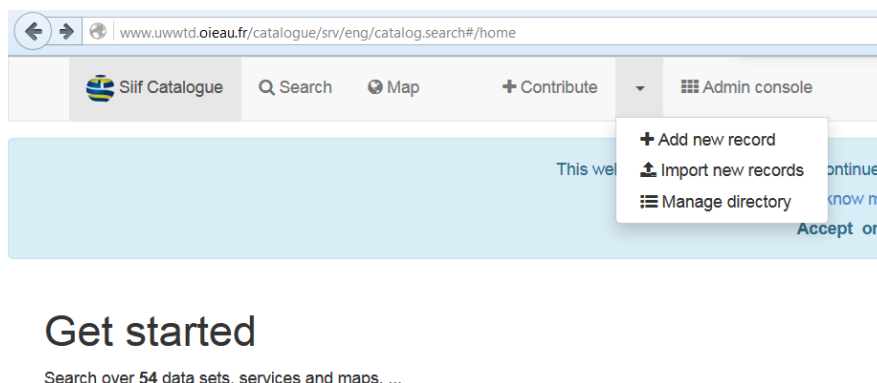


Figure 1 : Add new record in Geonetwork

In order to create a harvester, go to “Admin console” menu and click on “Harvesting” like on bellow screenshot.

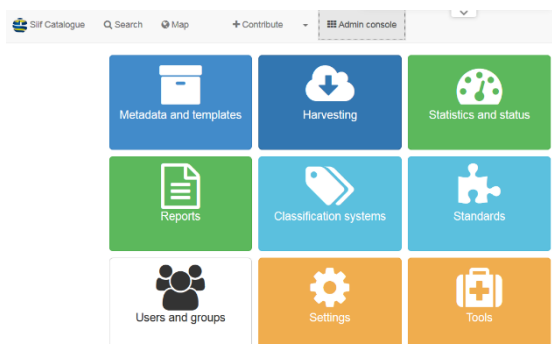


Figure 2 : Geonetwork admin console

For easing, your work, geonetwork provide various type of harvesting. Currently, you have to set OGC WFS webservices, by clicking on “+ Harvest from” in the bottom of “harvester” block on the left of screen.





The screenshot shows the 'Harvest from OGC WFS GetFeature' configuration form in the Geonetwork administration interface. The form is divided into several sections: 'Identification' with fields for 'Node name and logo' and 'Group'; 'Schedule' with a 'Frequency' field and a checkbox for 'Only one run'; and 'Configuration for protocol OGC WFS GetFeature' with a 'Service URL' field. A list of harvesters is visible on the left, including 'eea-BathingWater (OGC Web Services)', 'eptr (OGC Web Services)', 'low-wms (OGC Web Services)', 'uwwtd-csw (OGC Web Services)', 'uwwtd-wfs (OGC Web Services)', and 'uwwtd-wms (OGC Web Services)'. The 'Harvest from' button is highlighted in blue.

Figure 3 : Geonetwork : harvest from OGC WFS

Then fill all mandatory fields and save your harvester and finally, select your harvester and click on “Harvest” (blue button on the right of screen).

The screenshot shows the 'Update harvester eptr' form in the Geonetwork administration interface. The form is divided into two main sections: 'Identification' and 'Schedule'. The 'Harvest' button is highlighted in blue. The form also includes a 'Delete' button and a 'Remove 4 records' button.

Figure 4 : Geonetwork, start harvesting service

After the end of the harvest process, you will find your new metadata in the front page of the catalog in “latest news” tabs on page bottom. You can view your new metadata with a click on the title (see the example bellow).



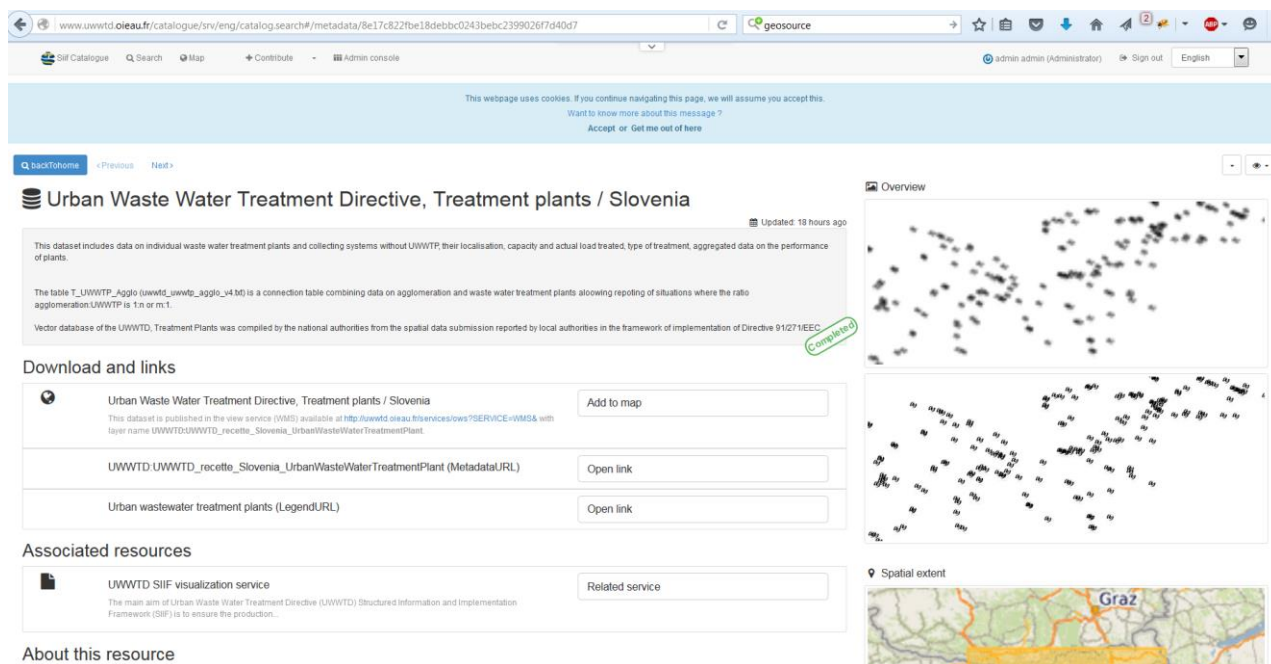


Figure 5 : Geonetwork : harvested metadata page

In your browser address bar, you can see a strange long string of random characters after the metadata argument :

Eg. : <http://www.uwwtd.oieau.fr/catalogue/srv/eng/catalog.search#/metadata/8e17c822f8e18debbbc0243bebc2399026f7d40d7>.

This string is the Universal Unique Identifier – UUID – string and it identify your metadata page.

2.7.2 Declare metadata on UWWTD SIIF plateform

In first requisite you need to have your information in a metadata catalogue like geonetwork (see 2.7.1) and note all UUID of metadata page. Then, go to to your UWWTD SIIF platform administration menu in “Home » Administration » Configuration » uwwtd configuration » Metadata links” (in this url : [http://\[my server address\]/admin/config/uwwtd/download](http://[my server address]/admin/config/uwwtd/download)). Then fill fields with URL of your catalogue and give UUID of each layer like the screenshot bellow :





Dashboard Content Structure Appearance People Modules Configuration Reports Help Search 0/0 admin

Home » Administration » Configuration » uwwtd configuration

Configuration

General settings Metadata links Set external links

Link catalog metadata Agglomerations

http://www.uwwtd.oieau.fr/catalogue/srv

UId metadata Agglomerations

uuid=8bbb2d949392820fdc973afe131eebd7e29d0bb5

Link catalog metadata Urban Waste Water Treatment plants

http://www.uwwtd.oieau.fr/catalogue/srv

Figure 6 : UWWTD SIIF, set metadata form

Finally click on “Save configuration” at the bottom of the form and go to “Download/Invoke” page (public area) of your website (see the following screenshot)

UWWTD SIIF Slovenia National Node

Home View/Discover Download/Invoke Statistics Regulations Resources Contact

Editorial menu

- [Add / manage a data report](#)
- [Add Article 17 information](#)
- [Bulk data deletion](#)
- [Register](#)
- [Translate interface](#)
- [List Error](#)

Download

Data

In this section you can access to the data used on the platform and download them.

Select the year

2012 Apply Reset

Title	Coverage	Files available
Full UWWTD reported data	Country	xml
Agglomerations	Country	xml , csv , shp , kml
Urban Waste Water Treatment plants	Country	xml , csv , shp , kml
Discharge points	Country	xml , csv , shp , kml
Sensitive areas	Country	xml , csv , shp , kml

Metadata

In this section you can access the metadata fiches for each of the four geographical layers covered by UWWTD (91/271/EEC).

Title	Coverage	Download	View
Agglomerations	Country	xml , pdf	html , xml , pdf
Urban Waste Water Treatment plants	Country	xml , pdf	html , xml , pdf

Figure 7 : Download/invoke page





2.8 Managing maps on the UWWTD SIIF platform

2.8.1 Manage map settings

Each map on UWWTD SIIF platform can be edited with the administration interface of Drupal. In order to access to the “edit map” functionality, you must be connected with the admin account and then go on a page witch containing a map. On the top right corner of each map, on the “hover” map event a small grey gear appear. On click, a tooltip appear and you can click on “Edit” (see the red box on the screen below).

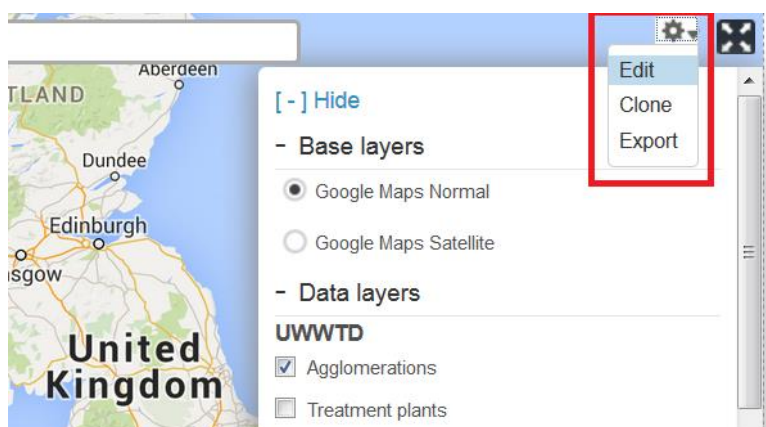


Figure 8 : Edit a map on Drupal

The “edit” link open a form page with all settings of the current map. Fields are sorted in sub-section : Infos, Center & Bounds, Layers and Styles, Behaviors and Display.

Dashboard Content Structure Appearance People Modules Configuration Reports Help

Home » Administration » Structure » OpenLayers » Maps

Edit map waste_water_treatment_network_map

Turn map previews on by default on the Settings page.

Infos

Center & Bounds

Layers & Styles

Behaviors

Displays

Map Title *

Waste water treatment network map

Machine name: waste_water_treatment_network_map

This is the descriptive title of the map and will show up most often in the interface.

Administrative description

2016/02/12 14:09:24

2016/02/08 16:53:25

2016/02/08 15:13:17

Width *

auto

The map's width. "auto" will make the map fill the space it is given; otherwise, enter a value in pixels, like 400px.

Figure 9 : Map edit form in Drupal





You can also access to all maps settings on this URL : [http://\[my web site adresse\]/admin/structure/openlayers/maps](http://[my web site adresse]/admin/structure/openlayers/maps) available in “Administration > Structure> Openlayers > Maps” menu

For more information on map with drupal, you can visit the official documentation of “Openlayers” module for Drupal available here: <https://www.drupal.org/node/1636666>

2.8.2 Add new layers

At first, you must be connected with the “admin” account and you need to have strong knowledge in web-mapping technology. If not, we recommend to post a new ticket on the Github space available here : <https://github.com/OIEau/uwwtd/issues>

With the Drupal Administration interface, you can add new geographical layers base on internal/external data. For internal data (for Drupal one), the best way is to use the “Views” module all documentation can be consulted on this URL : <https://www.drupal.org/node/1481374> . For external data, you can use followings formats/standards: Bing, CloudMade, GeoJSON, Google, GPX, Image, KML, MapTiler, OSM, PointGrid Layer, TMS, WMS, WMTS, XYZ.

If you want to set a queryable layer, you only can use the WMS standard in overlay mod with the “getfeatureinfo” capacity in the geojson format (available for e.g. with map server 7, Geoserver 2.8 and ArcGIS online)

The layer management interface of Drupal is located in “Administration > Structure> Openlayers > Layers” on this URL: [http://\[my web site adresse\]/admin/structure/openlayers/layers](http://[my web site adresse]/admin/structure/openlayers/layers). For declare a new layer click on “Add layer” link and then fill layer descriptions fields on the proposed form. For external data the main format is the “WMS” (in layer type format field)





The screenshot shows the 'Add a new layer' form in the UWWTD-SIIF administration interface. The top navigation bar includes links for Dashboard, Content, Structure, Appearance, People, Modules, Configuration, Reports, and Help. The breadcrumb trail is Home » Administration » Structure » OpenLayers » Layers. The form title is 'Add a new layer' with a plus icon. The 'Layer Title' section has a text input field containing 'My new layer' and a 'Machine name: my_new_layer [Edit]' label. Below this is a description of the field. The 'Administrative description' section is a large text area. The 'Layer Type' section has a dropdown menu set to 'WMS' and a label 'Select the type of layer.' Below this is a section titled 'LAYER SPECIFIC OPTIONS FOR WMS' with a 'Base URL' text input field.

Figure 10 : Add new layer

In this form we have to pay attention to the “base layer” field. If you check this field, your layer will be a base layer like the google map or open street map layer. You can only use base layer as background layer.

If you want to stack layer with other layers and use it like an “overlay” layer uncheck this field. (You can take example on the “Bathing water” layer)

After you have set your parameters click on “save” button. Now your layer can be used in Drupal maps. So if you want to display your layer on a map, you have to edit the map settings (see 2.9.1), and in “Layers and styles” section check your layer and save the current map.





MapBox World Dark <i>MapBox World Dark</i>		<input type="checkbox"/>	<input type="radio"/>
MapBox World Light <i>MapBox World Light</i>		<input type="checkbox"/>	<input type="radio"/>
MapBox World Print <i>MapBox World Print</i>		<input type="checkbox"/>	<input type="radio"/>
MapBox World Black <i>MapBox World Black</i>		<input type="checkbox"/>	<input type="radio"/>

OVERLAY LAYERS	WEIGHT	ENABLED	ACTIVATED	IN SWITCHER	STYLE	SELECT STYLE	TEMPORARY STYLE
Agglomerations	0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<use default style>	<use default style>	<use default style>
UWWTPS	0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<use default style>	<use default style>	<use default style>
Discharge points	0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<use default style>	<use default style>	<use default style>

Figure 11 : Extract of Layers and styles in map edit form

If you want to display your layer in the layers switcher behaviour, you have to reopen the edit map form, and go to behaviour section. In this section go to “OL+ : Blockswitcher plus” area check your layer, and give the “group name” and save the map.

OL+ : BLOCKSWITCHER PLUS

☒ OL+ : Blockswitcher Plus
A clone of BlockSwitcher, with ability to sort layers by group.

OPTIONS

☐ Show blockswitcher in maps

☒ Show blockswitcher open when the map loads

Show overlay layers as checkboxes or radio buttons
Checkboxes

☒ Sort layers by groups

☒ agglomeration_treatment

Group name for : agglomeration_treatment
UWWTD

☒ oieau_rbd

Group name for : oieau_rbd
Basins

Figure 12 : OL+ : Blockswitcher plus

Your layer can be queryable if you use a WMS layer or an Openlayers Views layer (see the screen bellow).



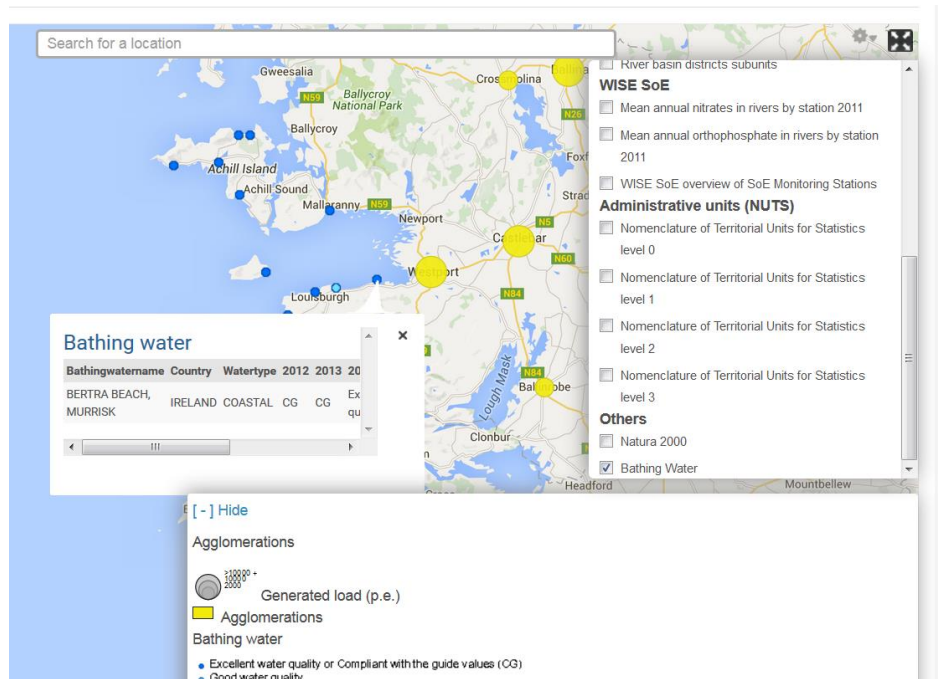


Figure 13 : Example of queryable WMS layer : Bathing Water

For Openlayers Views layers you have to read the official documentation of Openlayers Views module.

For WMS layers, you need to use a map server with the the “getfeatureinfo” capacity in the geojson format (available for eg with mapserver 7, geoserver 2.8 and arcgis online). You also need to declare the domain of your server map server in the proxy “white list” settings in the following menu “Administration » Configuration » System » Proxy”





The screenshot shows the administration interface of the UWWTD-SIIF platform. At the top is a navigation bar with links: Dashboard, Content, Structure, Appearance, People, Modules, Configuration, Reports, and Help. Below this is a breadcrumb trail: Home » Administration » Configuration » System. The main heading is 'Proxy' with a gear icon. The text below states: 'The Proxy module provides a basic HTTP proxy for various requests. Without any attempt at limiting use. Please have some understanding of the changes that will happen if you alter these settings.'

CACHE SETTINGS

Default Cache Lifetime

5 minutes

This defines how long proxied content will live in cache. This should be as long as the proxied content

WHITELIST SETTINGS

☒ Whitelist Control

Turning this on means that the proxy will only work for the allowed domains. With this off, the pro:

Whitelist Domains

*.discomap.eea.europa.eu
maps.oieau.fr

Figure 14 : Proxy settings

For developers only, you can change the content rendering of the result popup on the layer with a specific Drupal hook : `hook_wms_getfeatureinfo_alter(&$result, &$url)`. We recommend to create your own Drupal module in order to do it. You can find examples at the end of the `uwwtd.module` file (search function `uwwtd_wms_getfeatureinfo_alter(&$result, &$url)`)

2.9 To go further

The web portal has been designed using the CMS Drupal. All the relevant information can be found here: <https://www.drupal.org/>

