

*Workshop on  
Structured Implementation and Information Framework (SIIF)  
concerning Urban Waste Water Treatment Directive (91/271/EEC)*

***Introducing the UWWTD SIIF platform***

Brussels, March, 25th, 2015

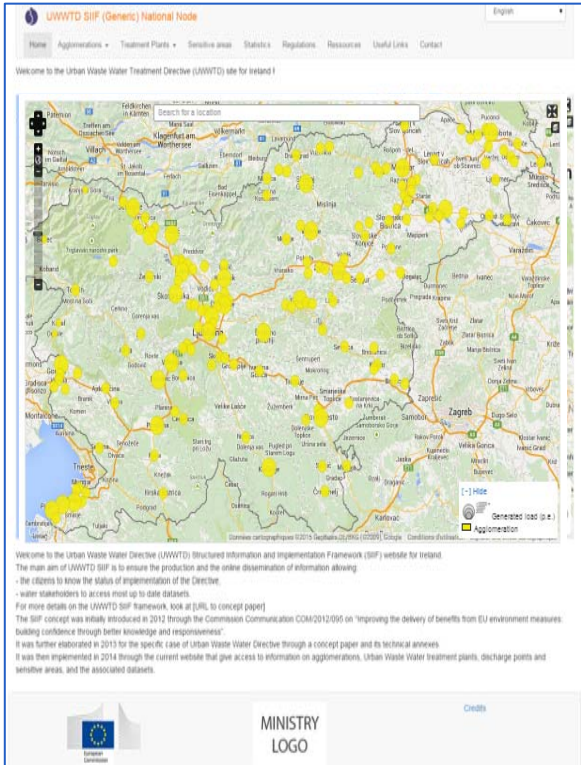
*Benoît Fribourg-blanc & Laurence Guédet  
Office International de l'Eau*

ENVIRONMENT  
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# National UWWTD SIIF pilot platforms

UWWTD SIIF (Generic) National Node

Welcome to the Urban Waste Water Treatment Directive (UWWTD) site for Ireland!

Search for a location

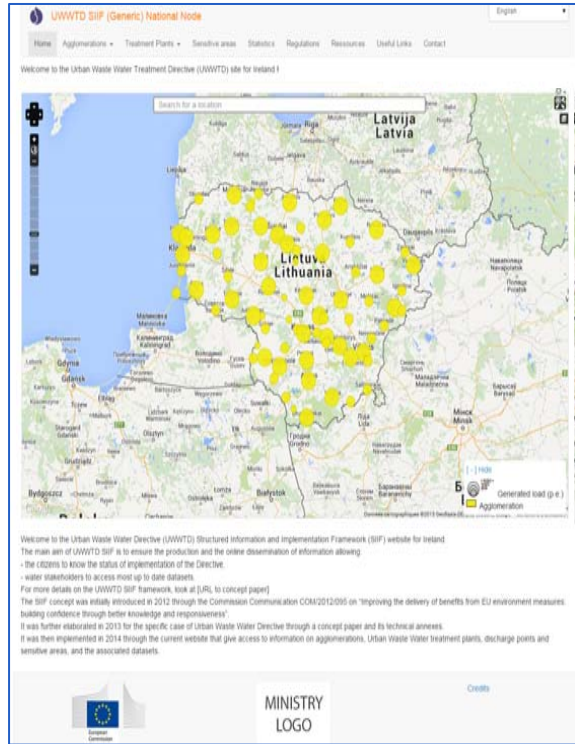
Generated load (p.e.) Agglomeration

Welcome to the Urban Waste Water Directive (UWWTD) Structured Information and Implementation Framework (SIIF) website for Ireland. The main aim of UWWTD SIIF is to ensure the production and the online dissemination of information allowing:

- the citizens to know the status of implementation of the Directive;
- water stakeholders to access most up to date datasets.

For more details on the UWWTD SIIF framework, look at [URL to concept paper]. The SIIF concept was initially introduced in 2012 through the Commission Communication COM(2012)095 on "improving the delivery of benefits from EU environment measures: building confidence through better knowledge and responsiveness". It was further elaborated in 2013 for the specific case of Urban Waste Water Directive through a concept paper and its technical annexes. It was then implemented in 2014 through the current website that give access to information on agglomerations, Urban Waste Water treatment plants, discharge points and sensitive areas, and the associated datasets.

MINISTRY LOGO



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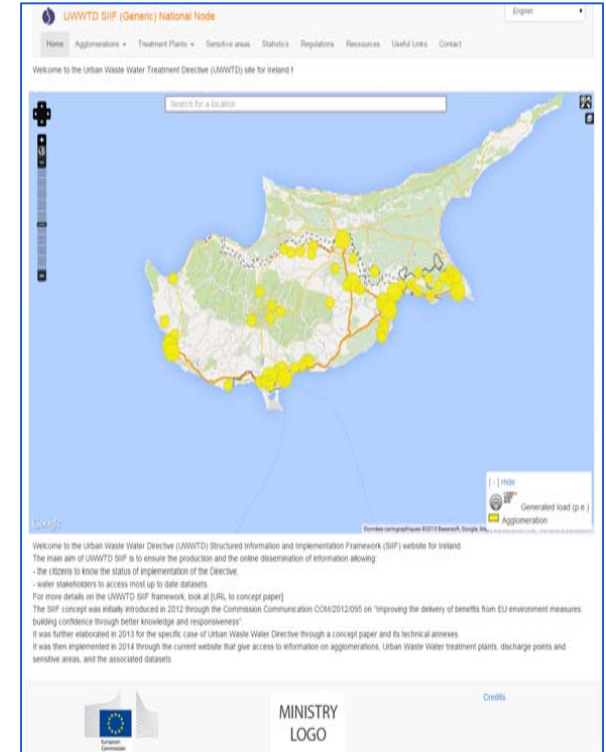
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MINISTRY LOGO

## The national UWWTD SIIF node is a web portal:

- ◆ Providing **overall information** about Urban Waste Water
  - ◆ About Regulations (European and National),
  - ◆ And the national UWWTD stakeholders
  - ◆ Both in national language and in English
- ◆ Displaying **public information about Urban Waste Water in the Member State,**
  - ◆ From the national datasets, used for the UWWTD reporting operation
  - ◆ & Providing a national “picture” as well as the description of each element
- ◆ In a **friendly way,**
  - ◆ Using dynamic maps, table and charts
- ◆ For the use of **general public** as well as for **the national and European water stakeholders**
  - ◆ offering the possibility to download datasets in various format
- ◆ While bringing elements towards **INSPIRE compliance**

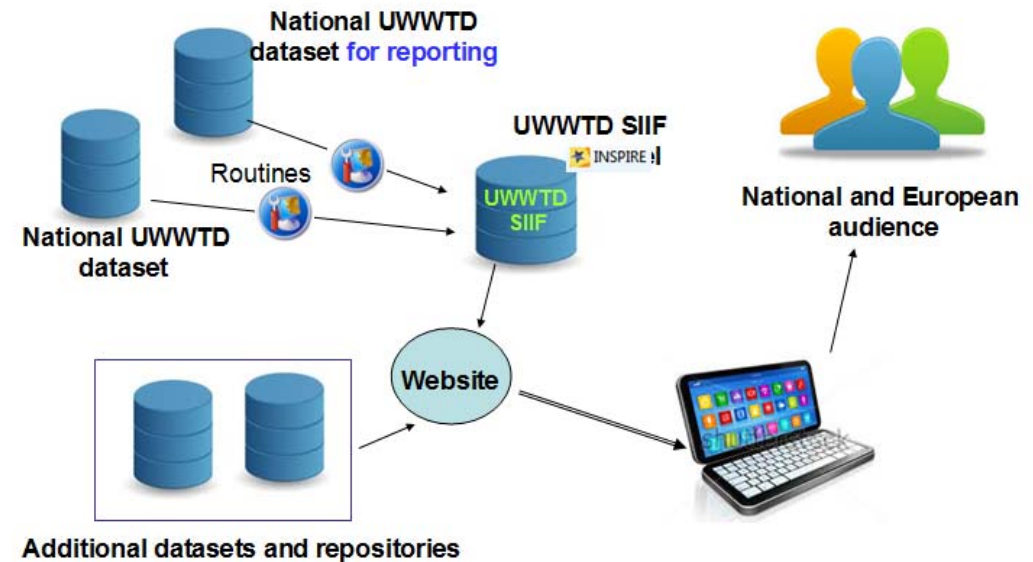
- **Several services of the INSPIRE directive are implemented on the UWWTD SIIF web portal:**
  - **“view”** service: dynamic maps giving access to more information on displayed element
  - **“discovery”** service: with the dynamic maps, are listed in table, the elements (Agglomeration, TP, Discharge points). Those tables could be filtered, sorted with relevant criteria.
  - **“download/invoke”** service: on every webpage listing information, the web user has the possibility to get the raw data in XML, CSV, Excel. Moreover web services (WFS) are available.

- **The UWWTD national SIIF node is not fully compliant with the INSPIRE directive because:**
  - The software for the web services (Geoserver) **isn't able to broadcast complex features** (for a professional service with an heavy load), which are INSPIRE compliant with the geographical information fully implemented.
  - *But common geo tools (ArcGIS, QGIS...) are also not able to use complex features.*
  - At the moment **the web services (WFS)** available on the platform broadcast **simple features** and are **fully functional**.

- **This web portal offers to the web users:**
  - **Annual national information**, about UWWTD in MS, through maps and table for :
    - Agglomerations : compliance & connection map and list
    - Treatment plants: compliance and treatments
    - Sensitive areas
  - **Detailed information** for each **UWWTD elements** through the “Information fiches” :
    - Agglomeration, with Article 17 information when available
    - Treatment plant, with Article 17 information when available
    - Discharge point,
    - And Sensitive area
  - As well as the possibility to **operate statistics**

- **This web portal offers to expert users possibilities:**
  - **To reference easily and permanently**, on their own website, the detailed information fiche with the structured URL [year]/[type of element]/[id of the element]
    - For instance :  
<http://uwwtd.oieau.fr/lithuania/2011/agglomeration/lt-ag-005>
  - **To export datasets** in various formats (xls, shp, kml, ...) for their own future uses:
    - From national views,
    - as well as, for a specific element
  - **To make links to UWWTD datasets** in a permanent way through **webservices**  
([http://www.uwwtd.oieau.fr/services/wfs/?service=WFS&version=1.1.0&request=GetFeature&typeName=UWWTD:UWWTD\\_Lituania\\_Agglomeration&MaxFeature=5](http://www.uwwtd.oieau.fr/services/wfs/?service=WFS&version=1.1.0&request=GetFeature&typeName=UWWTD:UWWTD_Lituania_Agglomeration&MaxFeature=5))

- This web portal offers to national UWWTD authorities:
  - To preview and control datasets on maps prior to reporting,
  - To “**re-use**” the datasets used for the reporting in order to provide information to the public



- To add **other annual datasets**



- **The platform could be improved by national authorities:**
  - The web portal and the webservice being provided using **open source softwares**, which are widely used (Drupal, Postgres and Geoserver): the national authorities could add new functionalities
  - Additional dataset could be added and displayed on the several maps
  - Additional topics could be added in the main menu

- The national UWWTD SIIF platforms are
  - ◆ For **Cyprus**:
    - ◆ <http://uwwtd.oieau.fr/cyprus/>
  - ◆ For **Lithuania**:
    - ◆ <http://uwwtd.oieau.fr/lithuania/>
  - ◆ For **Slovenia**:
    - ◆ <http://uwwtd.oieau.fr/slovenia/>
  - ◆ The **generic** platform based on Ireland datasets:
    - ◆ <http://uwwtd.oieau.fr/>

# Thank you

## Contacts :

- ◆ **Benoit Fribourg-Blanc:** [b.fribourg-blanc@oieau.fr](mailto:b.fribourg-blanc@oieau.fr)
- ◆ **Laurence Guédet:** [l.guedet@oieau.fr](mailto:l.guedet@oieau.fr)

