



Workshop on Structured Information and Implementation Frameworks (SIIF) in Slovenia concerning Urban Waste Water Treatment Directive (91/271/EEC)

12. New SIIF contract

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UWWTD SIIF work: The way forward (2015)

- A framework contract to support DGENV on Water Industry Directives: 2012-2016
- 2013: A specific contract "Towards a modern information system for the Urban Waste Water Treatment Directive (91/271/EEC)" - **Phase 1**
- 2014: A specific contract "Expanding the Urban Wastewater Structured Information and Implementation Framework (SIIF)" - **Phase 2**
- **2015:** A specific contract "Expanding the Urban Wastewater Structured Information and Implementation Framework (SIIF)" - **Phase 3**
 - ◆ Improvement of the UWWTD SIIF IT toolbox
 - ◆ Extension of the UWWTD SIIF IT toolbox to 4 new Member States
 - ◆ Support to all the 7 MS for the reporting under the 9th reporting exercise

The IT toolbox: current situation

- o The **toolbox**: a website + a web services module
- o For the 3 pilot MS (LI +SI +CY) version 1 transferred end of March 2015
- o Each pilot MS will:
 - ◆ Translate in their own national language
 - ◆ Link to existing national systems and populate the web pages (resources, contact...)

Improvement of the toolbox: Steps and planning

1. Implementation of current toolbox for the 4 new MSs (RO, PL, ...)
 1. New needs from all 7 MSs, from financers (World Bank?, ...), from DGENV, DG REGIO...
 2. Improvements of current functions
 3. Addition of information (national data, economic data...)
2. Identification of users needs (during workshops before Summer with the 4 MS) and proposals from each MS
3. New developments on the generic toolbox
4. Implementation on each 7 MS platform (3+4)
5. Feedback and bugs fixing and set up of the intranet platform intended for the MS UWWTD administrators

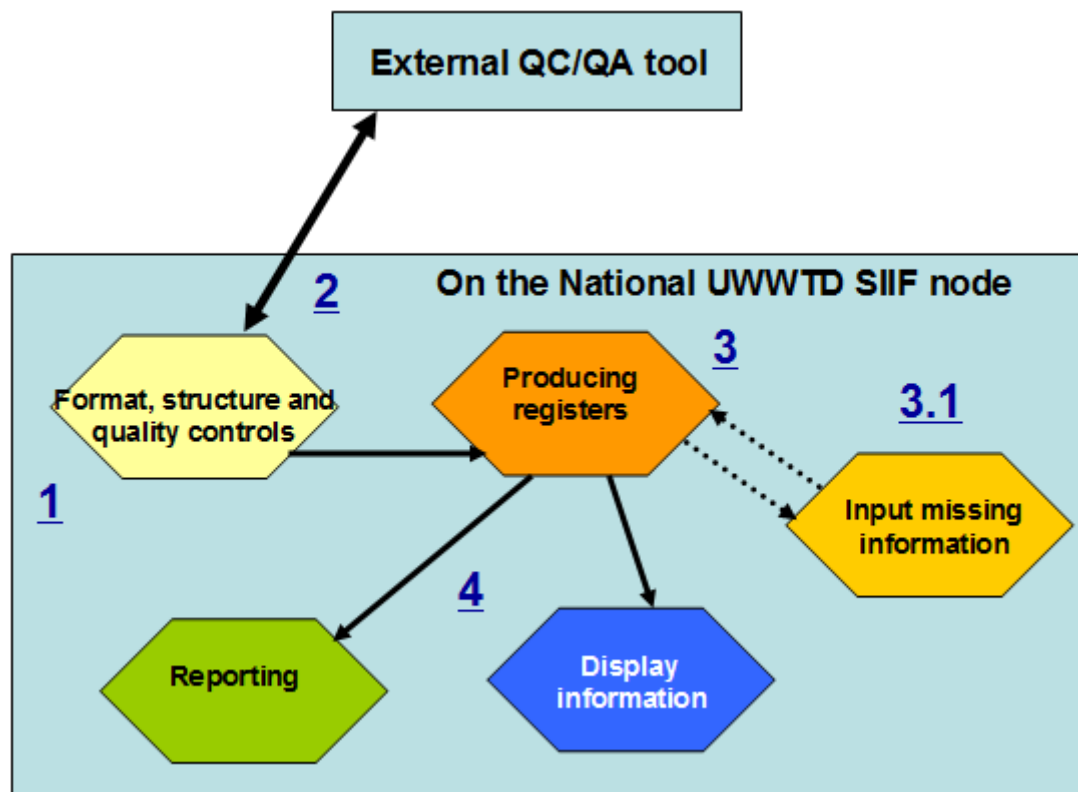
Improvements to the toolbox: first steps

- A set of new functionalities identified:
 - ◆ Online generated reports and printing facilities,
 - ◆ Improved QA/QC routines (tests + draft compliance)
 - ◆ New possibilities with dynamic maps (other national data),
 - ◆ SIIF platforms for sub-national level (visualisation)
 - ◆ New process for UWWTD official reporting

IT toolbox: new functionalities

A tool to better assess datasets

1. Improved QA/QC routines: from a **central point**, testing dataset **structure** and **quality** with an external tool, available for all MSs, using the SIIF node or not. This could be the adaptation of the current tool as a parser.
2. On the IT toolbox, building the **register automatically**
This could implies adding required additional information from the dataset.

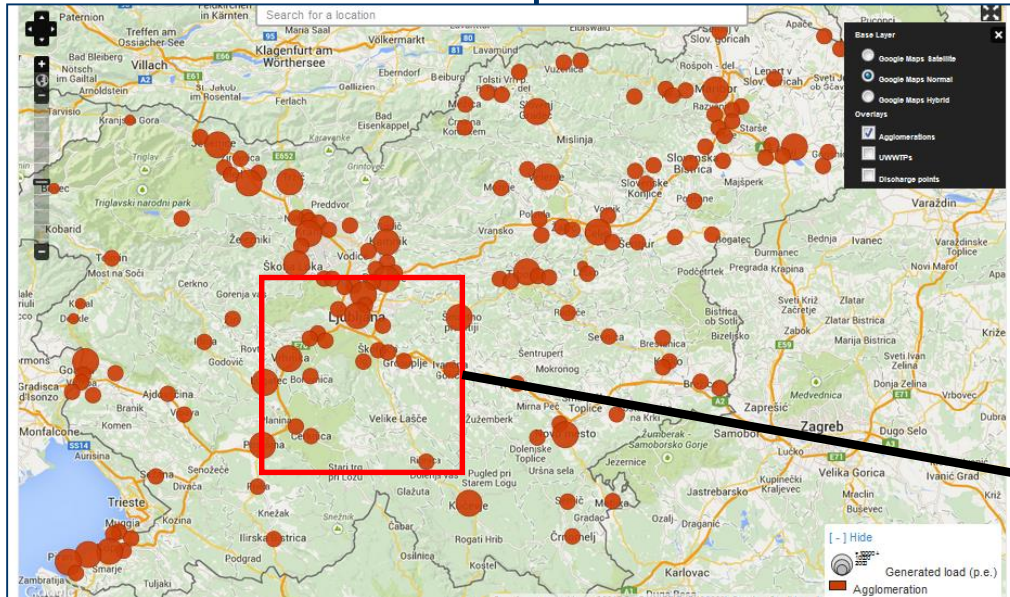


IT toolbox: new functionalities

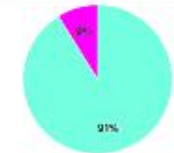
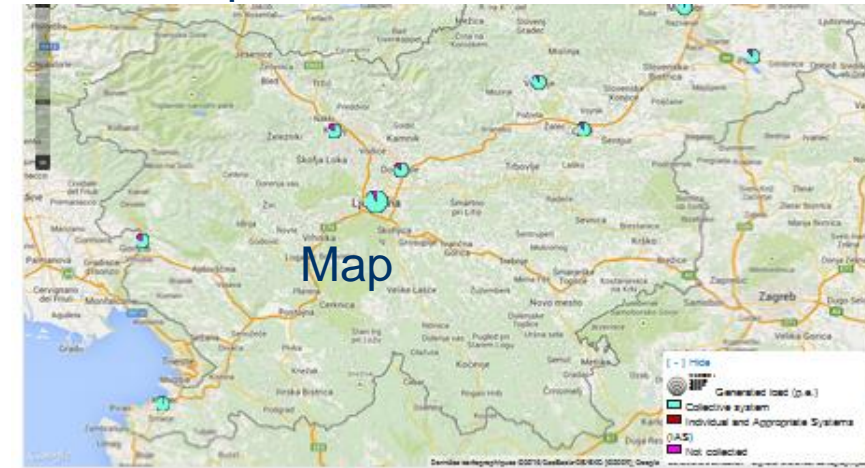
- **Online generated reports and printing facilities:**
 - ◆ For **each element** (Agglomeration, TP..), providing complete information in a **“take-away” PDF document** with **historical data, map and information**.
 - ◆ Giving the possibility to make copies from the dynamic maps

Improvements to the toolbox: online reports

Selection from the map



Online report



Graph

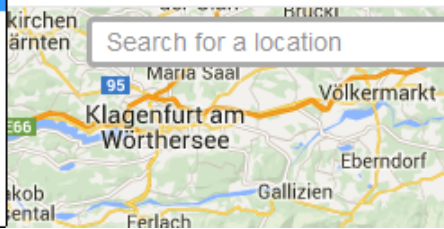
Selection using criteria

Agglomeration connection map and list

Generated load (p.e.) Year of data

Is equal to 2012 Apply Reset

- Is equal to
- Is less than
- Is less than or equal to
- Is equal to
- Is not equal to
- Is greater than or equal to
- Is greater than
- Is between
- Is not between
- Is empty (NULL)
- Is not empty (NOT NULL)

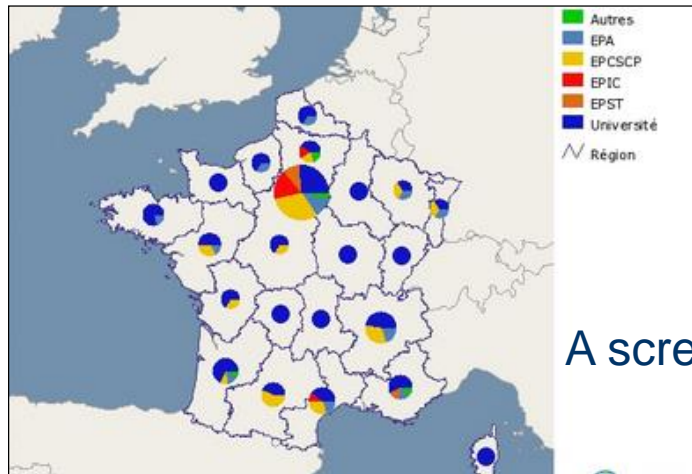


Collected through collecting system (% of p.e.)		IAS (% of p.e.)	Not addressed through IAS (% of p.e.)							
91.11		0.00	5.54							
Name	Identifiant	Generated load (p.e.)	Region (NUTS)	Compliance	Article 2 compliance	Article 4 compliance	Article 5 compliance	Collected through collecting system (% of p.e.)	Not addressed through IAS (% of p.e.)	
LJUBLJANA_1641	SI16401	320 232	Centre-slovene statistical region	Not compliant	Not compliant	Compliant	Not relevant	0.00	94.00	6.00
MARIBOR_23	SI00029	140 485	Podravska statistical region	Not compliant	Not compliant	Compliant	Not relevant	0.00	96.00	4.00
CELJE_20542	SI20542	55 154	Savinjska statistical region	Not compliant	Not compliant	Compliant	Not relevant	0.00	92.00	8.00
KORANJ_20594	SI20594	46 254	Gorenjska statistical region	Not compliant	Not compliant	Compliant	Not relevant	0.00	83.00	16.10
BEVILSKA_20709	SI20709	35 175	Savinjska statistical region	Not compliant	Not compliant	Compliant	Not relevant	0.00	94.00	5.90
KOPER_20016	SI20016	21 512	Obala-kraška statistical region	Compliant	Compliant	Relative non compliance	Compliant	0.00	100.00	0.00
KORNOŠTR_15115	SI01515	28 226	Goriška statistical region	Not compliant	Not compliant	Compliant	Not relevant	0.00	84.00	16.00
DOMŽALE_4115	SI04115	25 904	Centre-slovene statistical region	Not compliant	Not compliant	Compliant	Not relevant	0.00	87.00	13.00
PTUJ_15065	SI15065	23 227	Podravska statistical region	Not compliant	Not compliant	Not compliant	Not relevant	0.00	90.00	9.99

Table

Export functions

Improvements to the toolbox: printing facilities

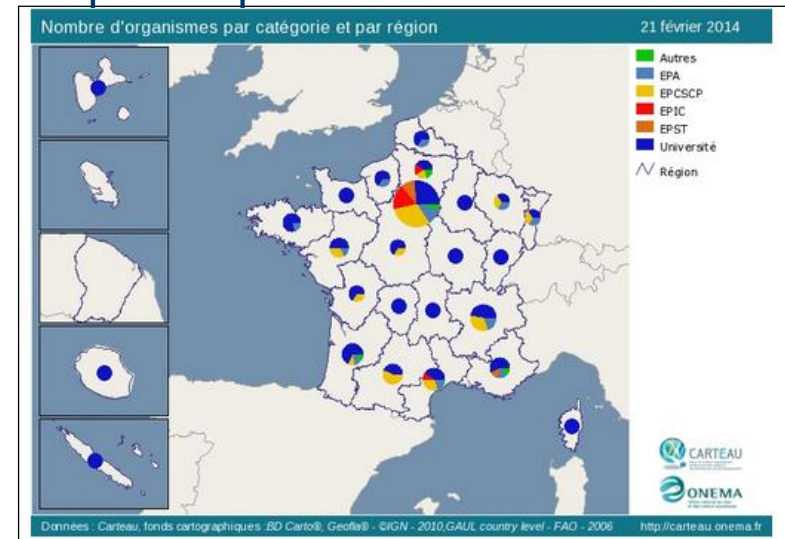


A screenshot



A layout

Exported picture



IT toolbox: additional information

On the IT toolbox, adding new information:

- ◆ Adding **UWWTD** and/or **water related** (or not) **information** on **the home page maps** such as:
 - ◆ Non compliant agglomerations, non compliant TPs, Sensitive areas, Water bodies, Discharge loads (BOD, CODE, N and P) with a graphic representation in relation with the amount, Basic concentration to water discharge, Bathing water, ...
- ◆ Populating the element fiches with **historical graphics** for:
 - ◆ Compliance for the Agglomeration fiche,
 - ◆ **Entering loads** and **Capacity** for **Treatment plant** fiche
 - ◆ **Entering** and **discharge loads** for **BOD** and **COD** on **Treatment plant** fiche.
- ◆ **On map and element fiches**, new **links** could be done towards **additional information** such as:
 - ◆ the municipalities, the permits, the industrial discharge, information about sludge, information about energy, information about waste management

Improvements to the toolbox: graphs in fiches

SI_MARIBOR_29 - Agglomeration, reporting year: 2012

Compliance timeline

2011 NC 2012 Not compliant

Article 3, 4, 5 compliance NC Not compliant



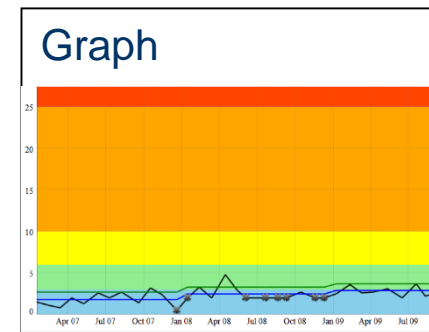
Identifier of the agglomeration: SI00029
 Status of the agglomeration: Active
 Generated load (p.e.): 133 977
 Compliance: Not compliant
 Article 3 compliance: Not compliant
 Article 4 compliance: Not compliant
 Article 5 compliance: Compliant
 Region (NUTS): Podravska statistical region

Characteristics	Waste water network connexions	Site information
Latitude: 46.55 Longitude: 15.64 Article 6 criterion b: X Article 6 criterion o a: X Article 6 criterion o b: X ID of the big oily/ big discharger: SI010 Methods used for calculation of the generated load of the agglomeration: General calculation scheme (industry+inhabitants*weighting factor) Are there any significant changes of the generated load compared to the previous Report?: X Date of the relevant deadline of UWWTD or Transitional Period article 3: Tuesday, January 27, 2015 Rate of generated load of agglomeration collected through collecting system (% of p.e.): 83.00 % Method used to obtain the %-value (calculated or estimated, for aggC1): E Rate of generated load of agglomeration addressed through IA 8 (% of p.e.): 0.00 % Method used to obtain the %-value (calculated or estimated, for aggC2): E Rate of generated load of agglomeration not collected through collecting systems and not addressed through IA 8 (% of p.e.): 17.00 % Method used to obtain the %-value (calculated or estimated, for aggPeroWithoutTreatment): C What type of best technical knowledge/measures are used for building and maintenance of collecting system to prevent leaks: Pres What type of best technical knowledge/measures are used for building and maintenance of collecting system to prevent leaks: Requ	Linked waste water treatment plant(s): UWWTP_BENEDIKT UWWTP_MARIBOR Linked Big oily(ies): MARIBOR	Site unique ID: 2012_SI00029 Year of data: 2012 Source of data: s\data2012_1420446824.xml

Article 17 information

Country information

- Permits?
- National GIS?
- Others?



Extension of the UWWTD SIIF IT toolbox to 4 new MSs

Tasks and first steps:

- o Survey on INSPIRE implementation in EU28 MS (Spring)
 - ◆ Survey of EU28 MS websites
 - ◆ Survey to national INSPIRE experts
- o The Toolbox for 4 new MSs (April-October)
 - ◆ current toolbox and 7th and 8th reporting dataset (April-May)
 - ◆ Survey and specification of functionalities (Workshop June-July, specification document summer, implementation September-October))
- o 9th reporting (starting early autumn)
 - ◆ Need to have the Data collection template and process
 - ◆ to be defined in July
- o Lessons learnt
 - ◆ at the end of 2015
 - ◆ will cover extension to other Directives

Conclusion

- o A collaborative work: crucial for the success !!!
- o A platform common to 7 MSs will ease the update/improvements
 - ◆ Open source softwares: no license, local development can be used by all
 - ◆ Improvements and new functionalities may immediately benefit all 7 MSs
 - ◆ Administration guide for maintenance
 - ◆ FAQ and bug tracker
- o Today Workshop: an important step for
 - ◆ Information on SIIF work
 - ◆ Improvement of the toolbox
 - ◆ Feedback on implemented system
 - ◆ Specific needs

Thank you

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