



ructured Implementation and Information Framework (SIIF) Last version of the SIIF concept

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> SIIF meeting Wednesday 25 March 2015



Structured Implementation and Information Framework the overall aim of the SIIF

A concrete way of data/information management to implement the "INSPIRE" and "public access to environmental information" directives

in order

to improve the implementation and maintain the compliance of an EU Environmental directive/policy

and

to contribute to green and blue growth and jobs creation.²



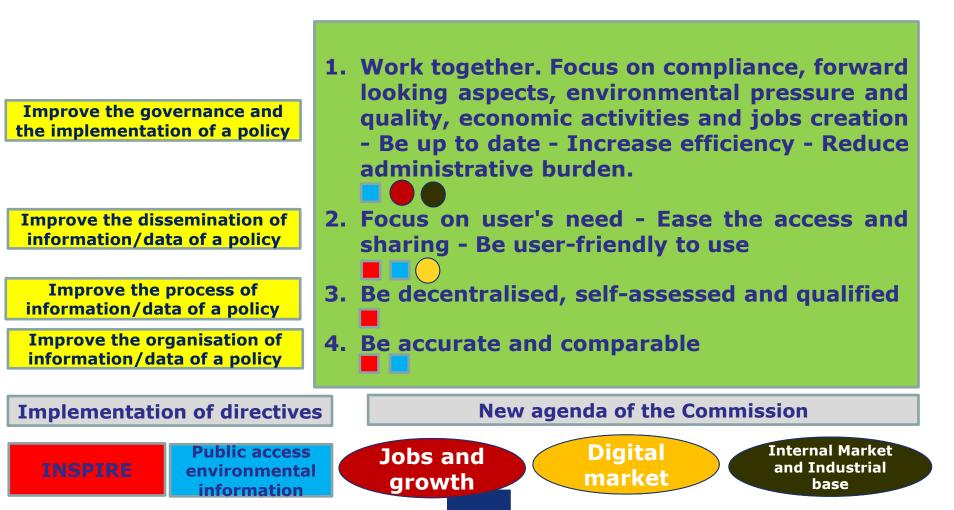
SIIF: The history

- Concept introduced in the 2012 Implementation Communication (COM(2012)95)
- SIIF pilot inspired by FR waste water government website <u>http://assainissement.developpement-durable.gouv.fr/</u>
- 2013: clarification of the concept
- 2014: development of the concept with 3 pilot MS under the waste water policy (CY, LT and SI)
- June 2014: adoption of an new article 17 template under the UWWTD (programme of implementation)
- End 2014: adaptation of the concept to the new Commission agenda (new boost for jobs, growth and investment, connected digital market,...) and to other environmental policies
- 2015: New SIIF contract to disseminate the UWWTD SIIF to four new MS.



SIIF The principles

(has to be implemented **step by step**)





SIIF the forward looking aspect and economic approach Implementation programme Example of the article 17 under UWWTD

New template adopted in a new implementating Decision in June 2014 (link)

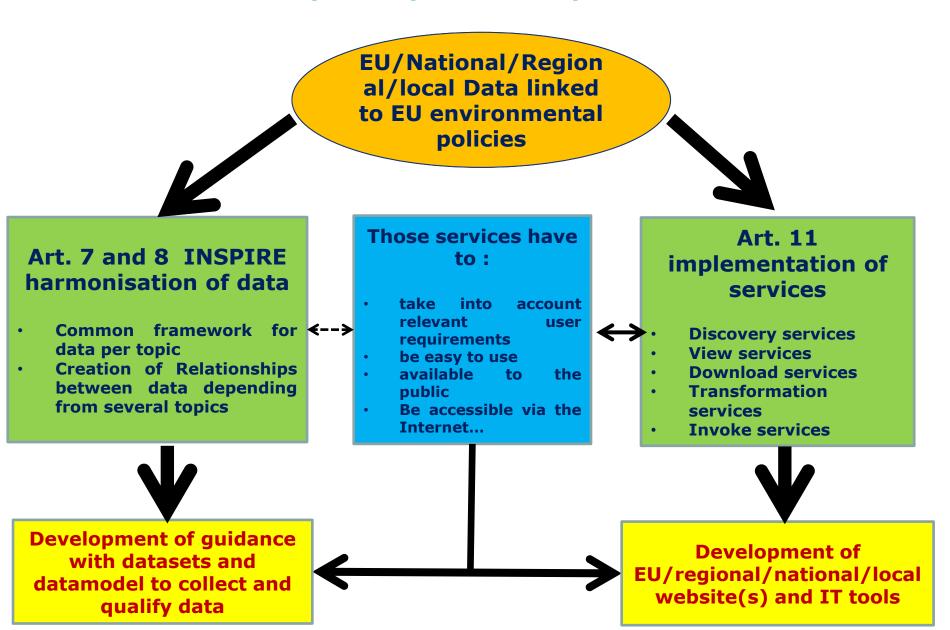
totally linked to the jobs, growth and investment agenda

- Detailed information, costs and dates about works on collecting systems and treatment plants
- Information about investments and their evolution
- Other information about implementation of the waste water policy at national level

The INSPIRE directive requirements

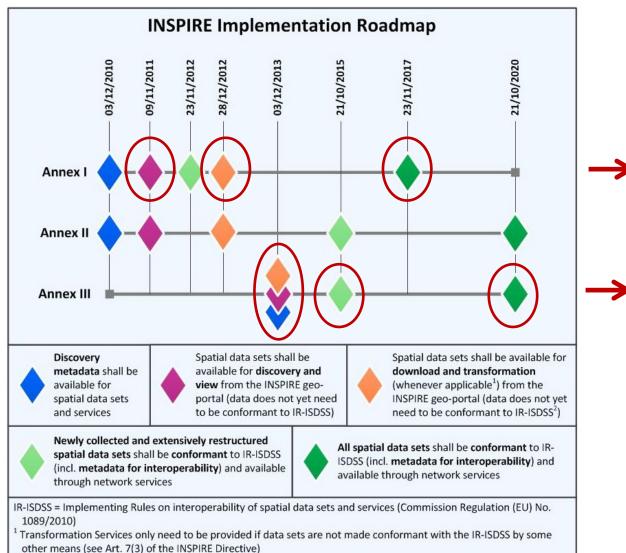
INSPIRE directive (2007/2/CE) establishing an Infrastructure for Spatial Information in the European Community

http://inspire.ec.europa.eu/



The INSPIRE directive deadlines

INSPIRE directive (2007/2/CE) establishing an Infrastructure for Spatial Information in the European Community



² With the exception of newly collected and extensively restructured Annex I data sets, which already have to be compliant with the IR-ISDSS by 23/11/2012

INSPIRE Annex I Geographical names Administrative units Water transport networks and related infrastructure Hydrography Protected sites INSPIRE Annex III.6 Utilities and governmental services (sewage, water supply,

waste, Energy...)

The public access to environmental information Directive (2003/4/CE) requirements

http://europa.eu/legislation_summaries/environment/general_provisions/l28091_en.htm

EU/National/Regional/local information and data linked to EU environmental policies

The 2003/4 Directive requires implementation of :

Active and systematic dissemination of information to the public (article 7) :

- World, EU, national, regional, local regulation.
- Policies, plans et programmes.
- Progress report.
- National or regional or local reports which include information on the quality of and the pressure on, the environment published each four years.
- Authorisations.
- Data derived from monitoring of activities affecting environment.

Information has to be accurate and comparable. (article 8)

Development of EU/regional/national/local website(s) and IT tools Those information have to be available through:

- Computer/electronic technologies,
- Electronic databases
- Public telecommunication networks



What we have learned- Challenges

- MS are far from having implemented INSPIRE rules and given access to the environmental information,
- As regards data reported at EU level the INSPIRE directive requires from MS to develop 28 specific national INSPIRE compliant data model and IT systems which have more or less the same objective.
- Lack of Human resources at MS/EU level,
- **Difficulties** for some MS to develop national INSPIRE compliant data model
- **Difficulties** for some MS to do their officially requested **reporting** and to have an overview of their national situation,
- Difficulties for some MS to develop national websites and to implement the INSPIRE services,
- Difficulties for some MS to maintain specific tools developed at national level,
- **Difficulties** for some MS **to accept changes** in the existing reporting framework,
- Difficulties to propose new ideas without having good user-friendy examples.



What we have learned - Benefits

- It avoids the same IT INSPIRE compulsory development in 28 different countries.
- It creates new uses of this information.
- The EU reporting obligation becomes no more the main reason concerning data collection.
- When websites are well established user-friendly and interconnected it increases the use of them, it avoids developing different IT systems with the same data and allows a Member State to have only one official source of information.
- It increases citizens, civil servants, researchers, private companies... knowledge.
 The work is done better and time and money are saved.
- The public is able to find alone the requested information → reduce the number of written questions and give the opportunity to the administration to give an hyperlink where the answer is.
- It helps to reduce the number of mistakes in the dataset when visualizing the information



ongoing second phase of the SIIF Development of urban waste water EU map viewer and national "generic" website(s) and related IT tools Concrete developments



http://www.eea.europa.eu/data-andmaps/uwwtd/interactive-maps/urbanwaste-water-treatment-maps



http://uwwtd.oieau.fr/slovenia/



http://uwwtd.oieau.fr/lithuania/



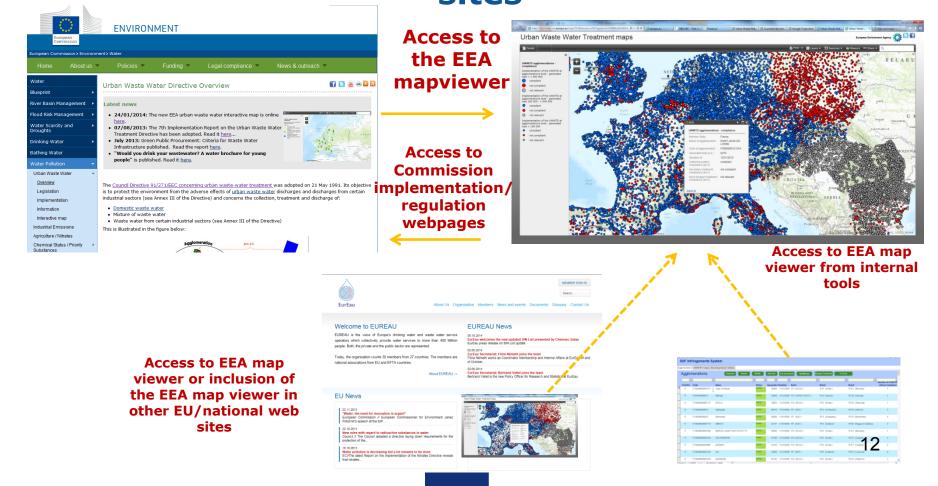
http://uwwtd.oieau.fr/cyprus/



http://uwwtd.oieau.fr/



Development of urban waste water EU map viewer Interconnection of EU/national waste water web sites



Development of urban waste water EU map viewer Ease the access to the content of the EEA database



Implementation of view service

To give access to the whole content of the EEA database by hyperlink from the pop-up window Creation of a detailed webpage per Agglomeration/UWWTP/discharge point/receiving area

Description of the Agglomeration Dire	ect access on the map
Type of collecting system	
Generated load	31300
Rate of load collected	100
Rate of load addressed to IAS	0
Rate not addressed to IAS and not collected	0
Rate of load collected and entering treatment plants	99.9899959564209
Raw sewage discharged (collecting systém) (m3/d)	
Raw sewage discharged (collecting systém) (p.e))	

Compliance of the Aggle	omeration
Compliance collection art3	
Date of compliance art3	
Compliance treatment art4	
Date of compliance art4	
Compliance treatment art5	
Date of compliance art5	

Name of the UWWTP	ID of the UWWTP	Region	Latitude	Longitude	Design capacity	Treatment in place	Date of closing
Beveren	BE_F_CS_199	BE2 (VLAAMS GEWEST)	4.20559	51.2084		Other	
Beveren	BE_F_TP_199	BE2 (VLAAMS GEWEST)	4.20844	51.2235	45000	Other	
Beveren	BE_F_CS_199	BE2 (VLAAMS GEWEST)	4.20559	51.2084		Other	
Beveren	BE_F_TP_199	BE2 (VLAAMS GEWEST)	4.20844	51.2235	45000	Other	
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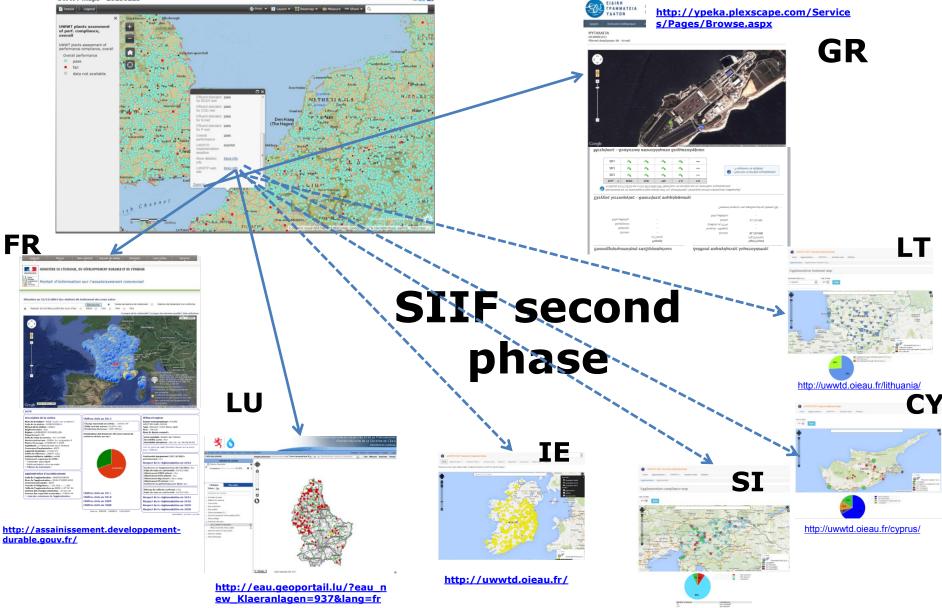
Beveren

Key figure	Key figures of the UWWTP serving the Agglomeration														
Name of the UWWTP	ID of the UWWTP	Entering load	Volume of waste water treated (m3/d)		Discharged BOD [kg/d]		Incoming COD [kg/d]	Discharged COD [kg/d]						Discharged P [kg/d]	%P removal
Beveren	BE_F_CS_199	0													
Beveren	BE_F_TP_199	26400													

Belaium

Development of urban waste water EU map viewer

Interconnection between EEA/national web sites



http://uwwtd.oieau.fr/slovenia/



Development of a national "generic" website which implement INSPIRE services and SIIF principles



http://uwwtd.oieau.fr/slovenia/



http://uwwtd.oieau.fr/lithuania/



http://uwwtd.oieau.fr/cyprus/

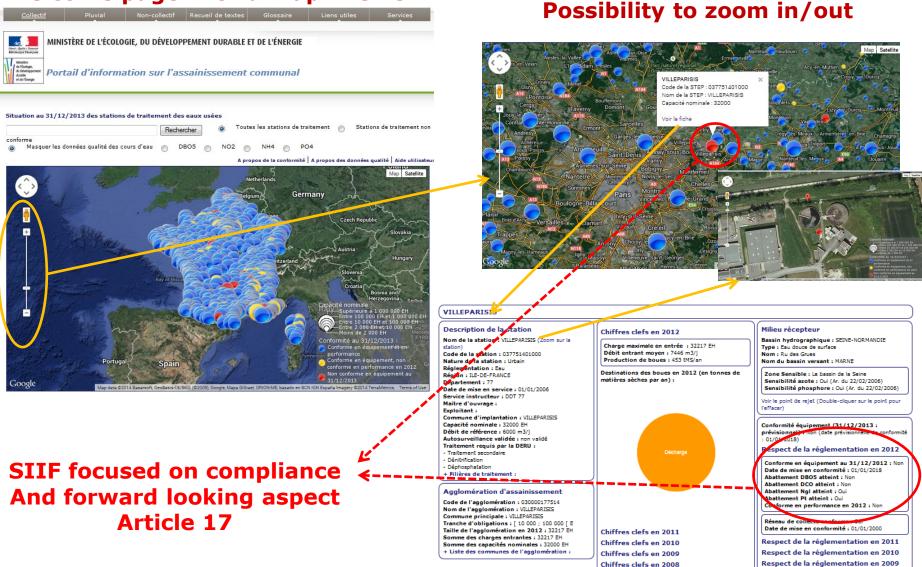


http://uwwtd.oieau.fr/

Examples of INSPIRE view, discovery download and invoke service which have to be implemented at national level

The SIIF/INSPIRE view service

Welcome page with a map viewer



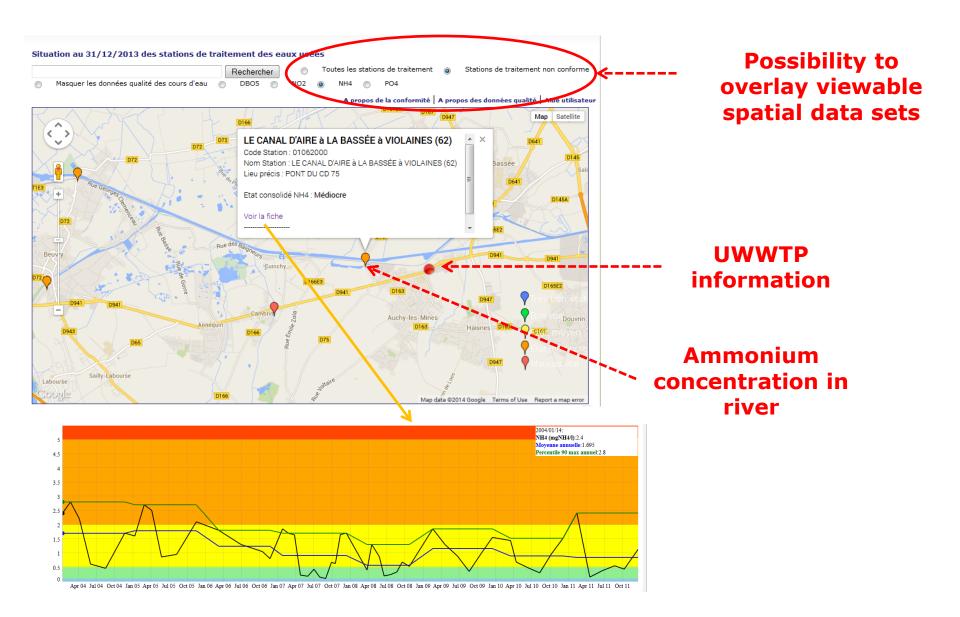
Source : MEDDE - ROSEAU - Août 2013

précédent | sulvant | accuel

Respect de la réglementation en 2008

Possibility to display the content of the database

The SIIF/INSPIRE view service



The SIIF/INSPIRE discovery service

agg







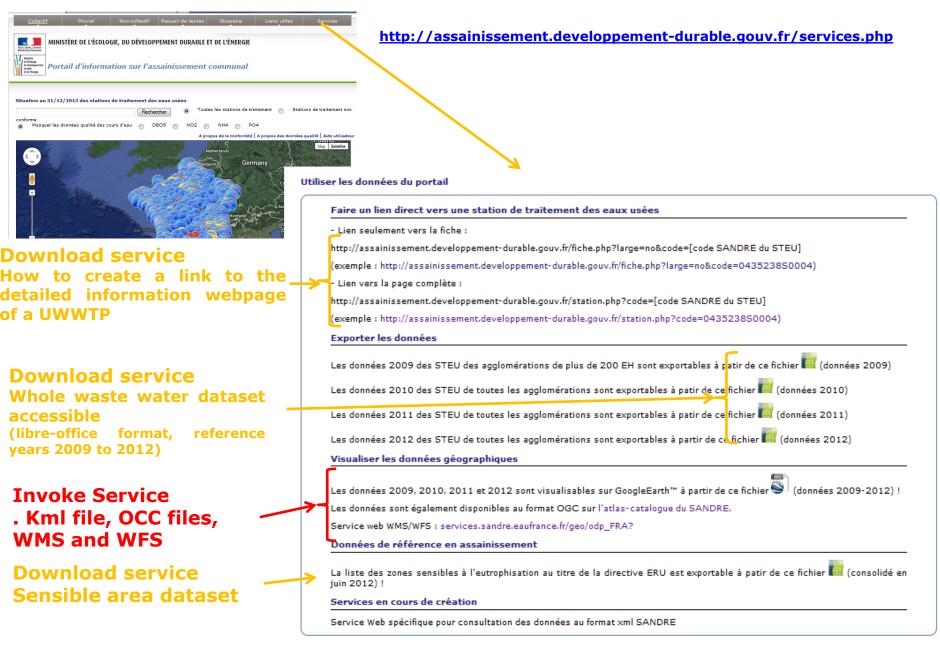
- Sort data by capacity, name, region, compliance...

- Search data

- Display the content of the database as regards a specific treatment plant (previous slide)

Afficher 100 🗸 éléments Rechercher (région, commune désservie, code de la STEU sans accents)										
°▲ ≜p	STEU 🍦	Agglomération 🍦	Service gestionnaire	Capacité nominale 🌲 en EH	Conformité globale équipement au 31/12/2013	Conformité globale performance en 2012	Conformite réseau	Fiche		
01	AMBERIEUX- EN-DOMBES	EN-DOMBES	00101	10.0	Oui	Oui	-	Voir		
01	AMBLEON	AMBLEON	DDT 01	100	Oui	Oui	-	Voir		
01	AMBROMAY - Charlieu	AMBRONAY-Chef lieu	DDT 01	1700	Oui	Non	-	Voir		
01	AMBRONAY - GV2C	AMBRONAY-CV2C	DDT 01	600	Oui	Oui	-	Voir		
22	ANDERT- ET-CONDON - Condon	ANDERT-ET-CONDON- Condon	DDT 01	270	Oui	Oui	•	Voir		
1	ANGLEFORT Chef	ANGLEFORT-Chef-lieu	DDT 01	1083	Oui	Oui	-	Voi		
1	APREMONT 01011	APREMONT-01011	DDT 01	400	Oui	Cal	-	Voi		
1	ARBIGNIEU - Chef lieu	ARBIGNIEU-Cheflieu	DDT 01	450	Oui	Oui	-	Voi		
)1	ARS-SUR- FORMANS	ARS-SUR-FORMANS	DDT 01	2250	Oui	Oui	-	Voi		
01	ARTEMARE	ARTEMARE	DDT 01	1500	Oui	Non	-	Voi		
)1	ATTIGNAT - Vacagnole	ATTIGNAT-Vacagnole	DDT 01	900	Oui	Oui		Voi		
)1	ATTIGNAT - Chef-lieu	ATTIGNAT-Chef liev	DDT 01	1200	Oui	Oui	-	Voi		
)1	ATTIGNAT - Secteur Ouest	ATTIGNAT Secteur Ouest	DDT 01	1650	Oui	Oui	-	Voi		
01	BAGE-LA-VILLE - Chef lieu	BAGE-LA-VILLE-Chef lieu - Les Spattières	DDT 01	550	Oui	Non	-	Voi		
)1	BAGE-LA-VILLE - Les spattières	BAGE-LA-VILLE-Chef lieu - Les Spattières	DDT 01	1100	Oui	Oui	-	Voi		
)1	BAGE-LA-VILLE - Onjard	BAGE-LA-VILLE-Onjard	DDT 01	500	Oui	Oui	-	Voi		
01	BAGE-LA-VILLE - Teppes de Biches	BAGE-LA-VILLE-Teppes de Biches	DDT 01	290	Oui	Oui	-	Voi		
01	BAGE-LE-CHATEL	BAGE-LE-CHATEL	DDT 01	1100	Oui	Oui	-	Voi		

The SIIF/INSPIRE download/invoke service





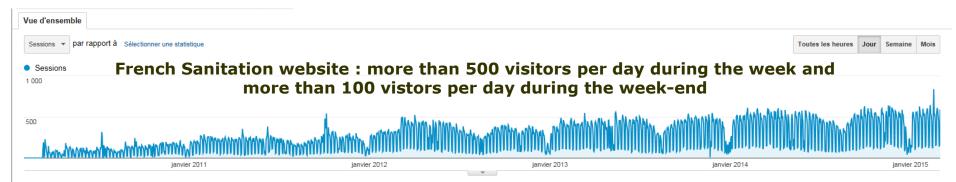
SIIF and the IT tools The ongoing objectives to comply with the INSPIRE and public access to environmental information directives and to reach the digital market target

- Improve regularly the EEA data viewers to provide all the INSPIRE services at EU level
- Develop and ensure at EU level an INSPIRE services compliant tool box (common framework for installing national web sites) for dissemination of data/information and improve it regularly (new SIIF contract)
 Image: Contract
- encourage the integration of EEA/MS map viewers in all world/national relevant websites



The proposed SIIF indicators

- The number of web sites which are linked to the specific web site.
- The number of users and visitors of the web sites



- The number of countries which have implemented the INSPIRE services and given access to environmental information
- The time needed to achieve the official reporting





Thank you for your attention

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