

Pilot Applications

ISPRA- Geological Survey of Italy
Carmelo Attardo on behalf of Carlo Cipolloni

Workshop INSPIRE Conference 2015

Scenarios >> Pilots: INSPIRE Data Themes



Scenario Title	ENV Aspect	Pilots
Implementation of a SEIS for air quality data	Air Quality	BELGIUM
		ITALY
Providing INSPIRE-compliant access to utility services: the case of sewage networks in Flanders	Water	BELGIUM
CSspire	Everyday life issues connected to Environmental aspects	CZECH REPUBLIC / SLOVAKIA
Natural Areas INSPIRE Compliance Toolbox	Nature Conservation	FRANCE
Forest Fire Management Scenario	Environmental Risk (Fire)	GREECE
Window on the Protected Areas - Mobile Conservation Map (WMA MCM)	Nature Conservation	HUNGARY / SLOVAKIA
INSPIRE Geoportal	Nature conservation	ICELAND
Geological Map Harmonization	Environmental Risk (Geohazard)	ITALY / SLOVENIA
Urban Ecological Landuse Planning	Ecological Landuse Planning	PORTUGAL

21 INSPIRE Data themes

Scenarios >> Pilots: INSPIRE Data Themes

	BE	CZ	FR	GR	HU	IS	IT	PT	SK	SL
ANNEX I										
1. RS: Coordinate reference systems						✓				
4. AU: Administrative units						✓	✓			
6. CP: Cadastral parcels		✓								
8. HY: Hydrography	✓	✓			✓			✓	✓	
9. PS: Protected sites		✓	✓	✓	✓	✓				
ANNEX II										
2. LC: Land cover		✓	✓				✓	✓		
3. OI: Orthoimagery								✓		
4. GE: Geology						✓		✓		
ANNEX III										
1. SU: Statistical units								✓		
4. LU: Land use							✓	✓		
5. HH: Human health and safety		✓					✓			
6. US: Utility and governmental services	✓						✓			
7. EF: Environmental monitoring Facilities	✓		✓		✓		✓			
8. PF: Production and industrial facilities		✓					✓			
11. AM: Area management/ restriction/ regulation zones & reporting units	✓					✓				
12. NZ: Natural risk zones						✓		✓		
13. AC: Atmospheric conditions	✓	✓						✓		
14. MF: Meteorological geographical features					✓					
17. BR: Bio-geographical regions		✓						✓		
18. HB: Habitats and biotopes		✓						✓		
19. SD: Species distribution		✓						✓		

Pilot Title	ENV Aspect	Pilots
EIS for air quality data	Air Quality	BELGIUM
Compliant access to utility age networks in Flanders		ITALY
INSPIRE	Water	BELGIUM
INSPIRE Compliance Toolbox	Everyday life issues connected to Environmental aspects	CZECH REPUBLIC / SLOVAKIA
Management Scenario	Nature Conservation	FRANCE
Protected Areas - Mobile app (WMA MCM)	Environmental Risk (Fire)	GREECE
Geoportal	Nature Conservation	HUNGARY / SLOVAKIA
Harmonization	Nature conservation	ICELAND
Landuse Planning	Environmental Risk (Geohazard)	ITALY / SLOVENIA
Landuse Planning	Ecological Landuse Planning	PORUGAL

21 INSPIRE Data themes

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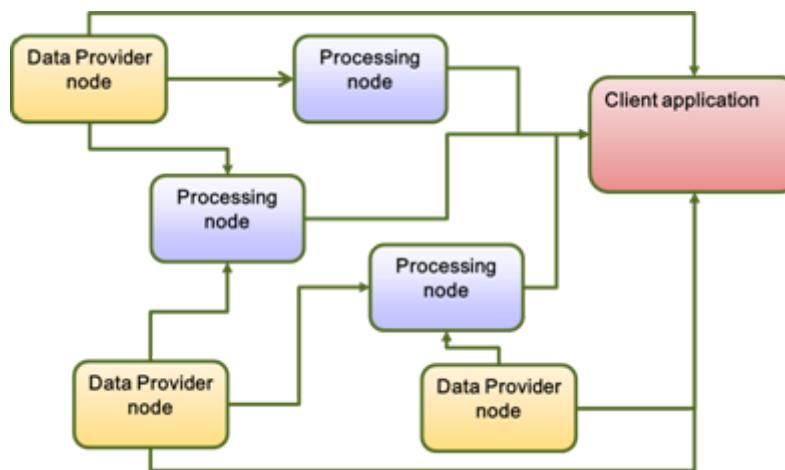
- The provision of an **interoperable** solution to share and process geo-spatial data in order to provide added value information and services to be shared in a cross-language, cross-scale and cross-thematic environment

- The provision of **re-usable** solutions, in term of open data, open services, open components, open infrastructures, open applications

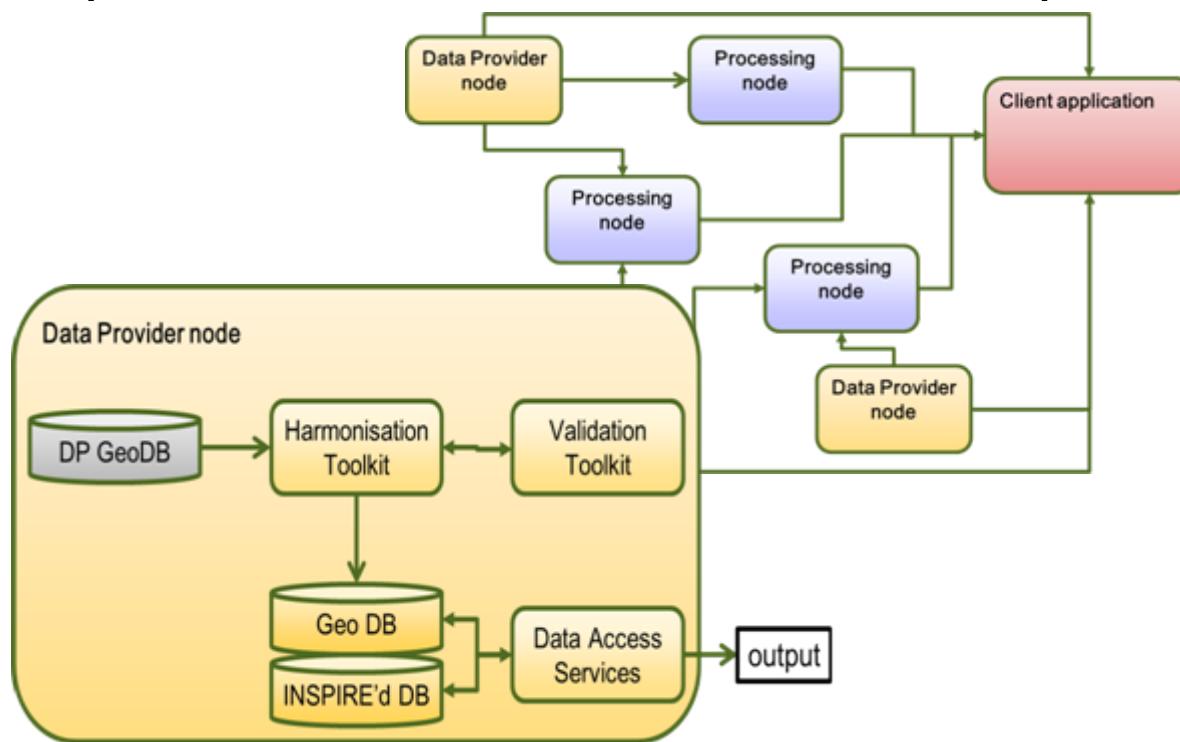
eENVplus provides a set of components which can be combined → interoperability services



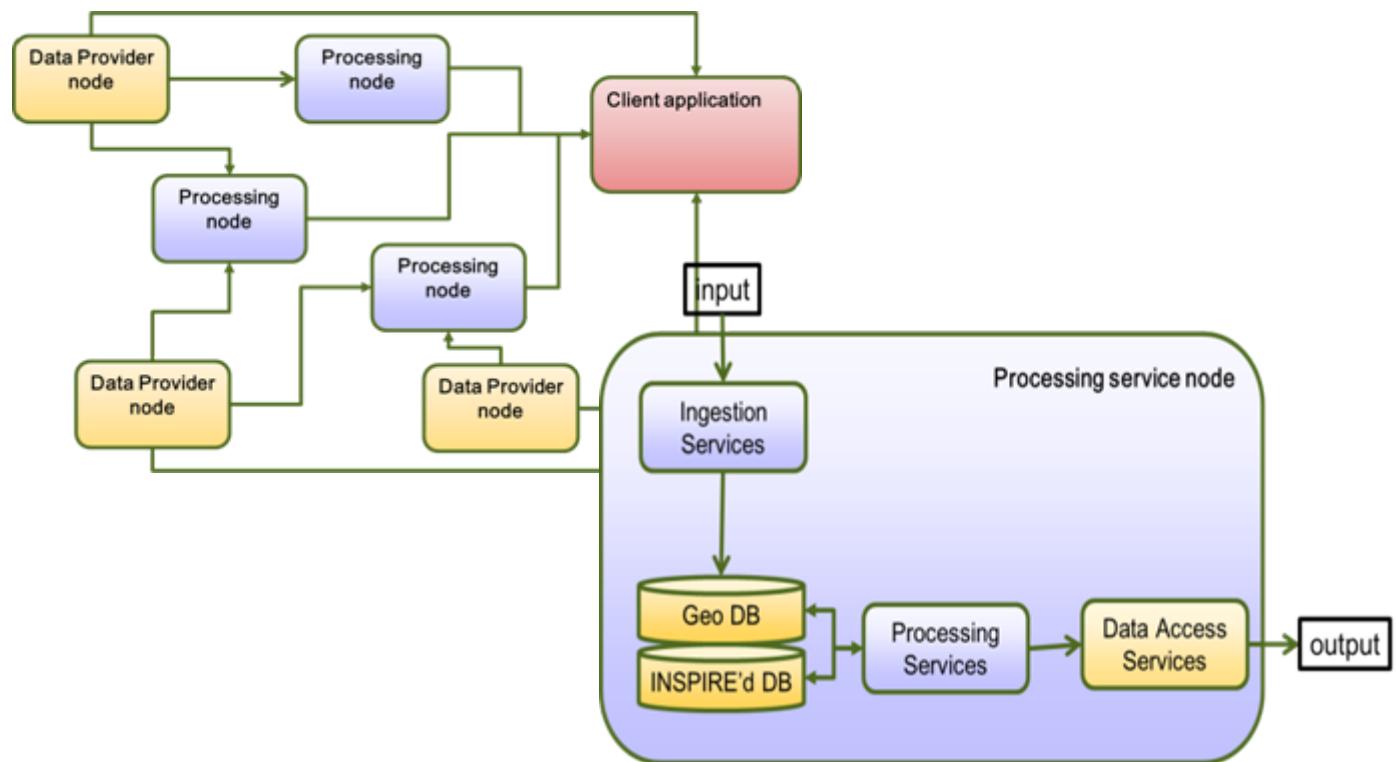
The eENVplus infrastructure is composed by different nodes which are linked between them through input/output interface protocols realised by the ingestion services (input) and data access service (output).



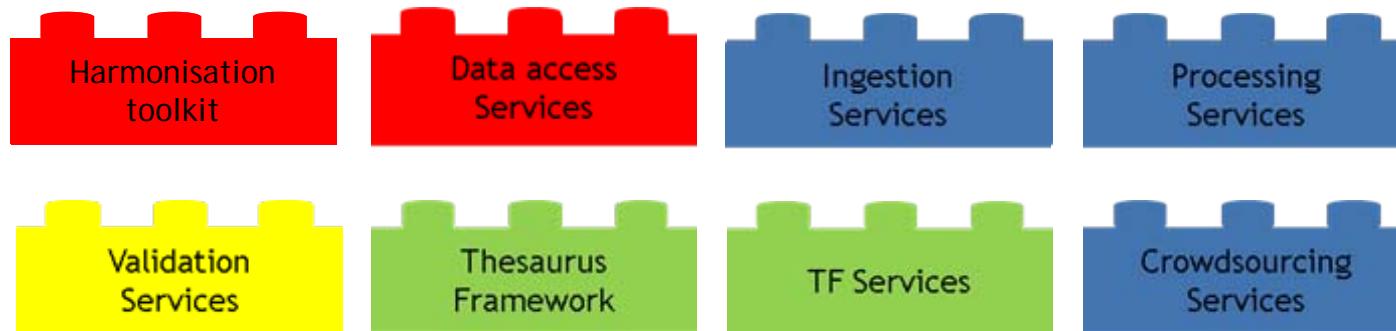
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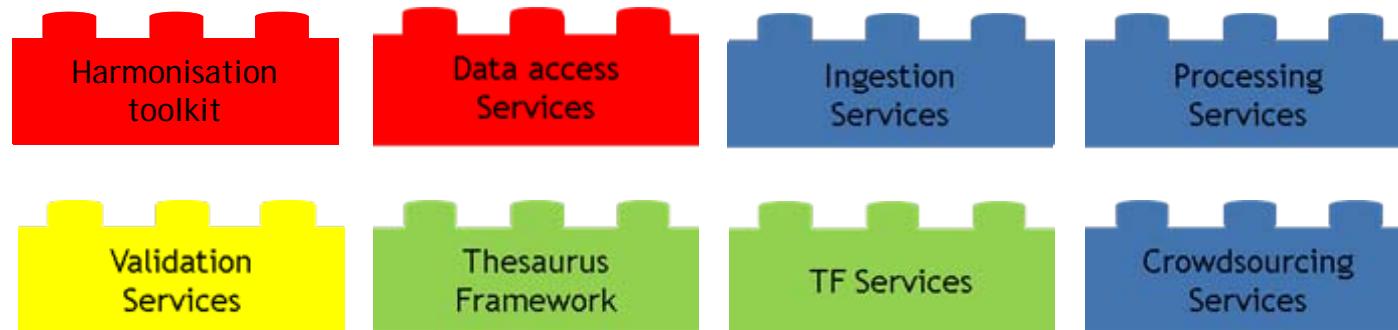
- eENVplus nodes is composed by a set of components combined into the node of the infrastructure



- Node examples
 - data provider

Processing node

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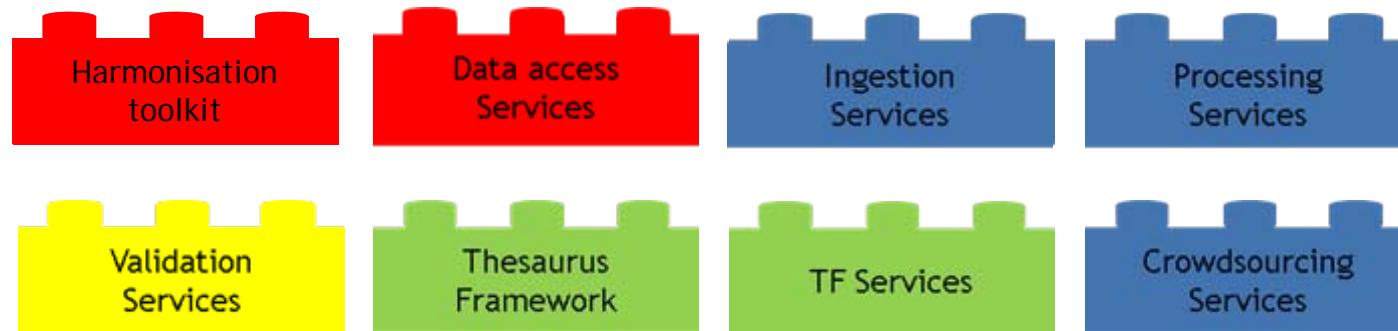


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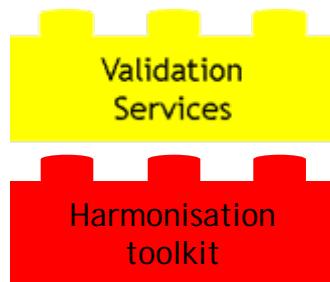


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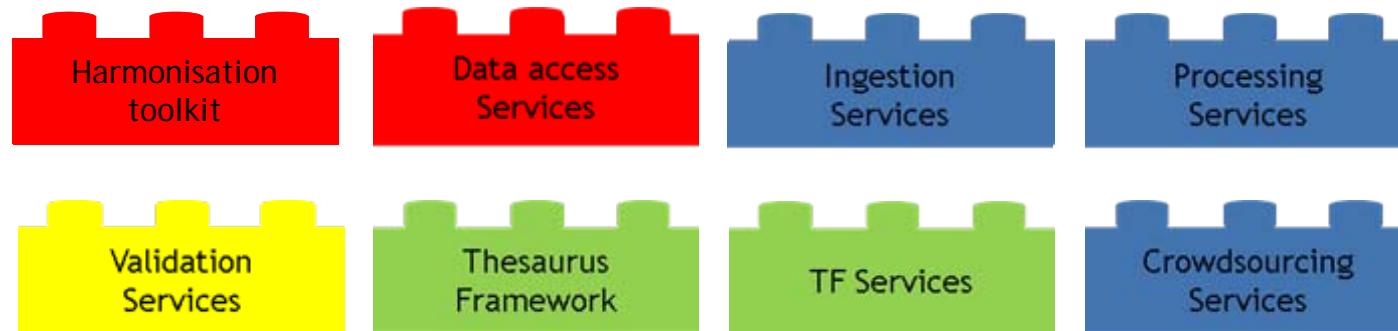


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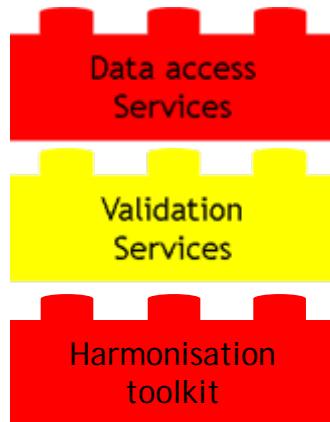


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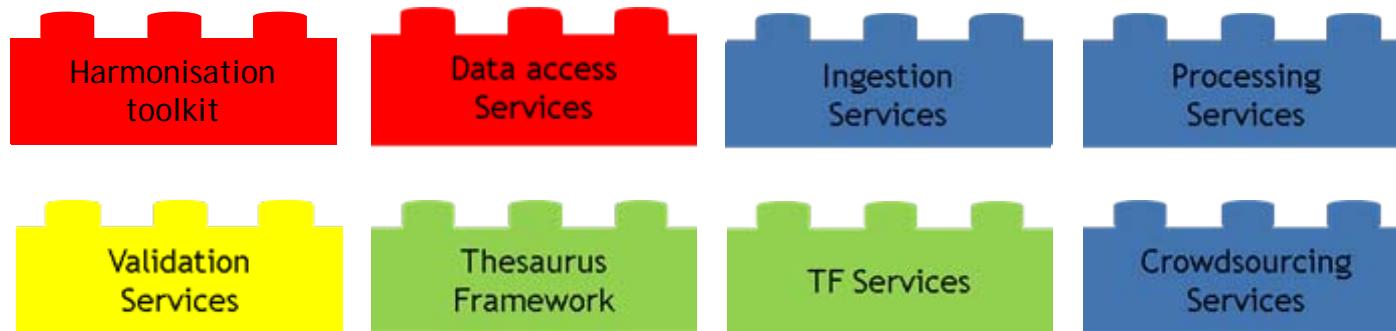


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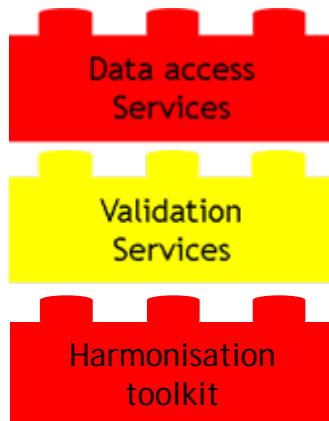


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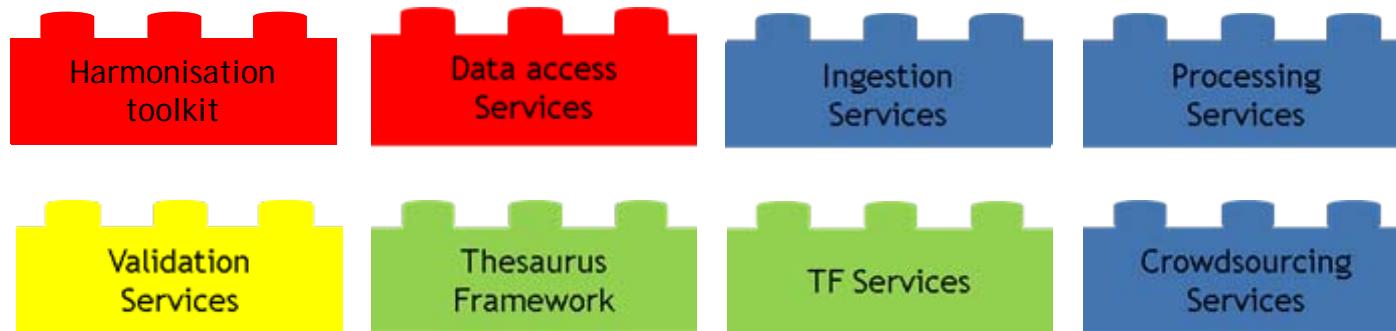


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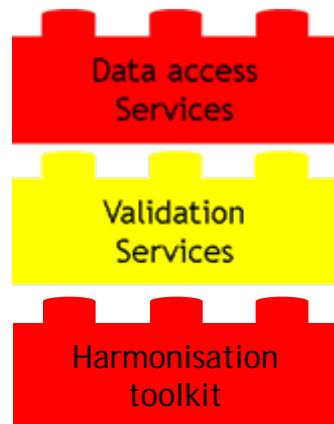


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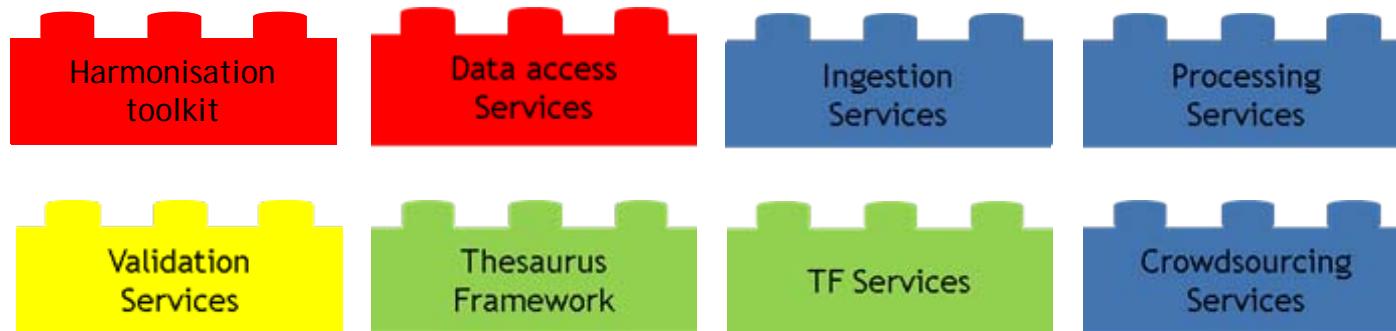


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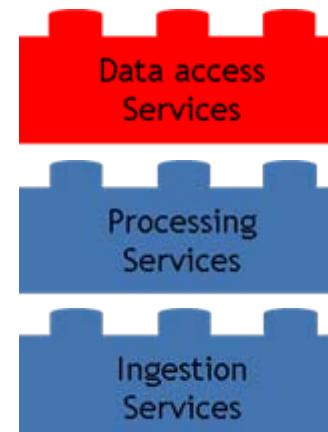
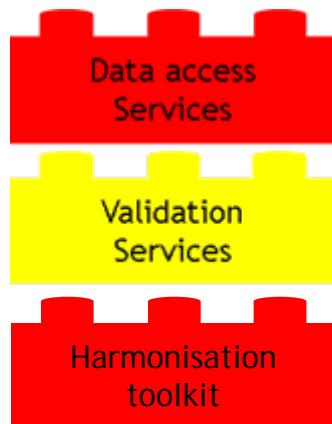


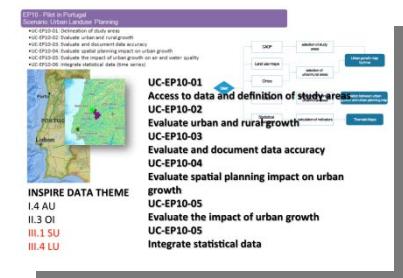
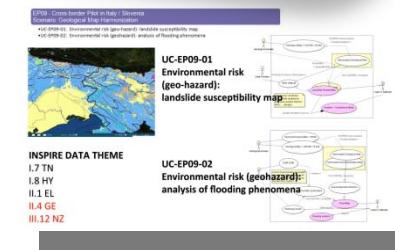
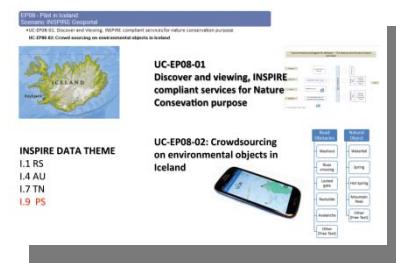
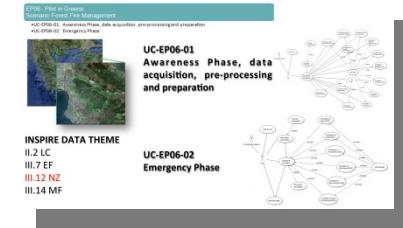
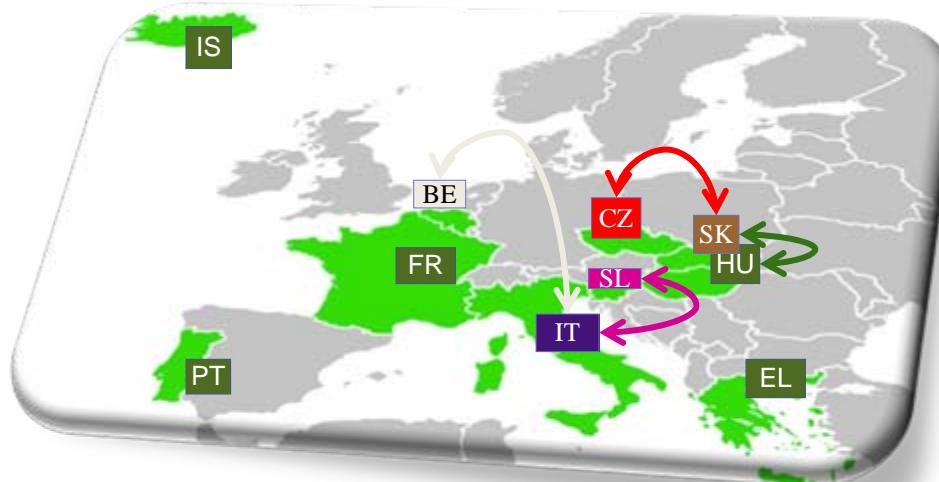
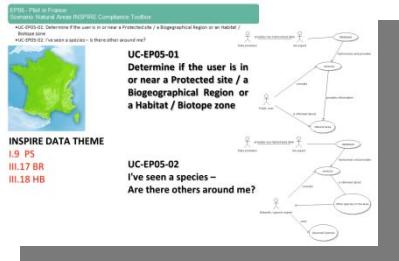
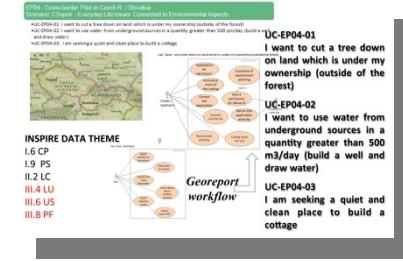
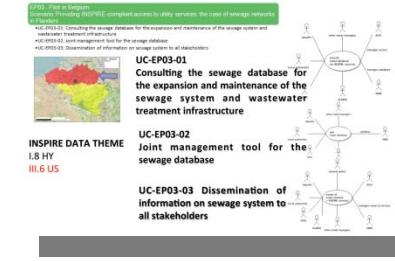
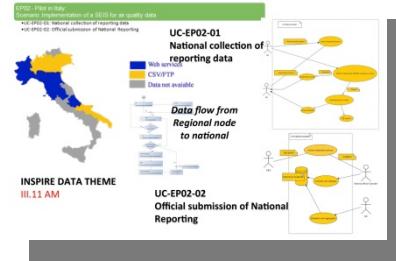
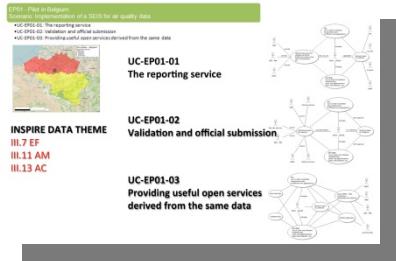
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Processing node





First year has dedicated to define the user requirements

eENVplus user & system requirements are tracked in a shared system stimulating & structuring communication between partners.

Redmine (<http://www.redmine.org/>) project management and bug-tracking tool
GNU General Public License v2 (GPL)

The screenshot shows a Redmine interface for the eENVplus project. The top navigation bar includes links for Home, My page, Projects, Administration, and Help. The user is logged in as 'admin'. The main content area displays a requirement titled 'Requirements #103' with the following details:

- WPS service for relevant data identification and retrieval**
- Added by Luca Giovannini 9 days ago. Updated about 2 hours ago.
- Status: New
- Priority: Normal
- Assignee: Stefano Pezzi
- Category: Functional Requirement
- Target version: Version 1
- Scenario: Urban Landuse Planning: INSPIRE'd land use planning Indicators to monitor good urban planning practices
- Services (If Functional Req.): Web Processing Service (WPS)
- Non-functional Requirements:
- Use Case ID: UC-EP10-01
- Start date: June 12, 2013
- Due date:
- % Done: 0%
- Spent time:
- Pilot: EP10 (PT)
- Validated TR: Yes
- Validated SR: No
- Validated PR: No

Description

eENVplus system shall provide a WPS service to identify and retrieve the data relevant to the user-provided area of interest among the available statistical datasets on urban planning and growth urban planning.
If what we want is to select an AoI we don't need a WPS.

Related Arch Decisions

Subtasks

Related issues

Related to Requirements #81: Definition of the area of interest

History

Updated by Stefano Pezzi 8 days ago

- Subject changed from *WPS service for relevant data identification and retrieval* to *WPS service for relevant data identification and retrieval*

Updated by Stefano Pezzi 8 days ago

- Description updated (diff)

Updated by Roderic Molina about 2 hours ago

- Description updated (diff)
- Subject changed from *Urban Landuse Planning* to *Urban Landuse Planning: INSPIRE'd land use planning Indicators to monitor good urban planning practices*
- Validated TR set to Yes
- Validated SR set to No
- Validated PR set to No

Issues

- [View all issues](#)
- [Summary](#)
- [Calendar](#)
- [Gantt](#)

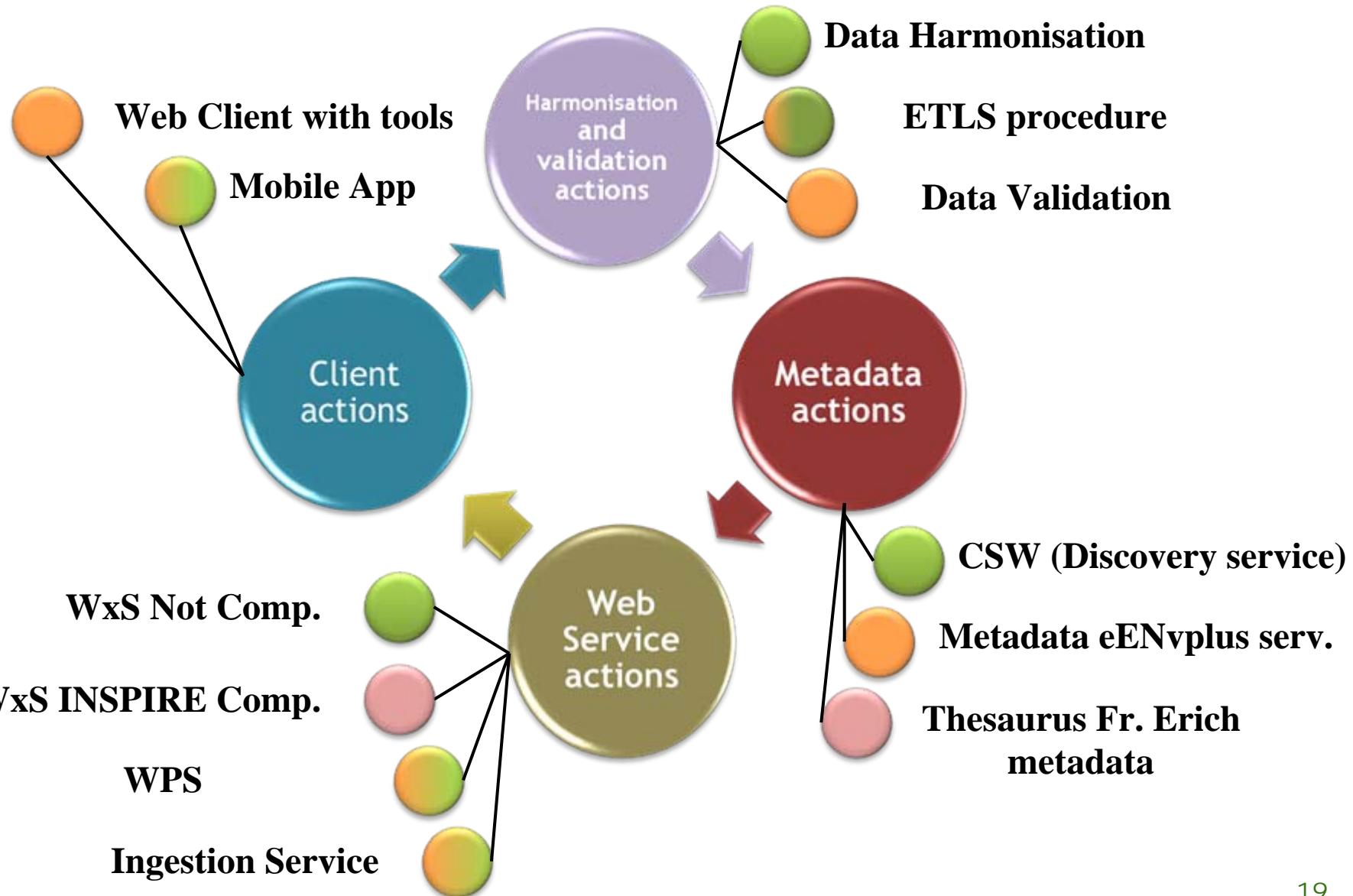
Watchers (5)

- Luca Giovannini
- Maria Vale
- Roderic Molina
- Rui Reis
- Stefano Pezzi

More than 190 requirements

Powered by Redmine © 2006-2012 Jean-Philippe Lang
Also available in: Atom | PDF

Pilots development



Pilots development



Air Quality



Air Quality



Sewage Network



Environmental Planning



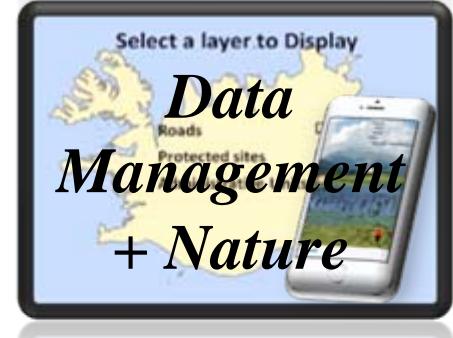
Nature Conservation



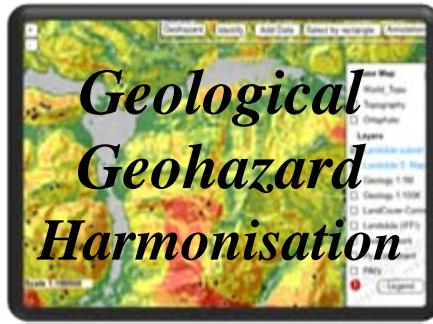
Fire Management



Nature Conservation



Data Management + Nature



Geological Geohazard Harmonisation



Spatial and land use planning

Thank you for the attention!

? Questions

WP7 Leader

Carlo Cipolloni

ISPRA - Geological Survey of Italy

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