

14:00-15:30

- Welcome and eENVplus Overview (*G. Saio, GISIG*)
- The eENVplus Service and Infrastructure (*L. Zanella, SINERGIS*)
- The Thesaurus Framework (*M. De Martino, CNR-IMATI*)
- The eENVplus approach for data harmonization (*G. Martirano, EPSIT*)
- Application scenarios and use cases (*O. Peeters, VMM*)
- Exploitation towards Thematic Communities, Training Framework and stakeholders involvement (*G. Saio, GISIG*)
- Discussion and conclusions



eENVplus - eEnvironmental services for advanced applications within INSPIRE

CIP - Pilot Actions

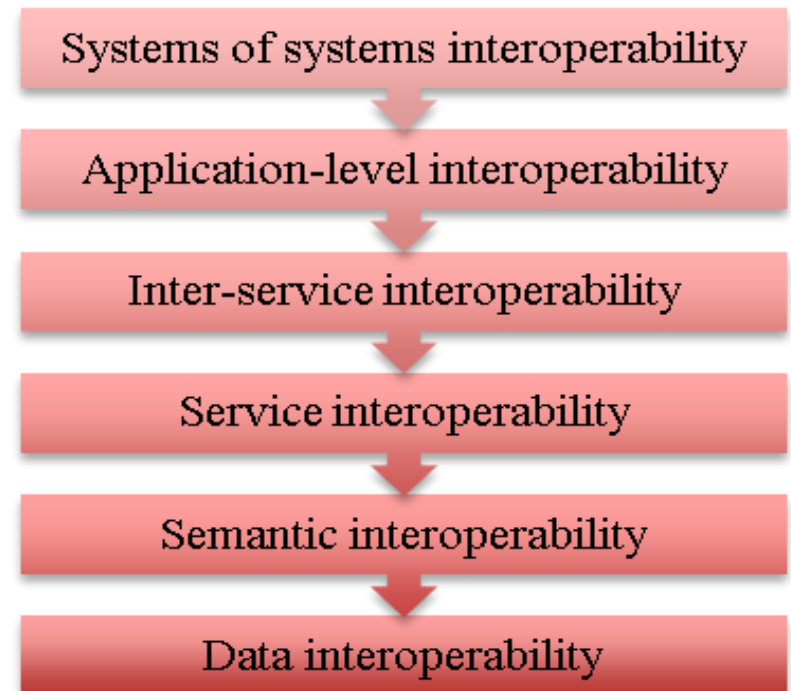
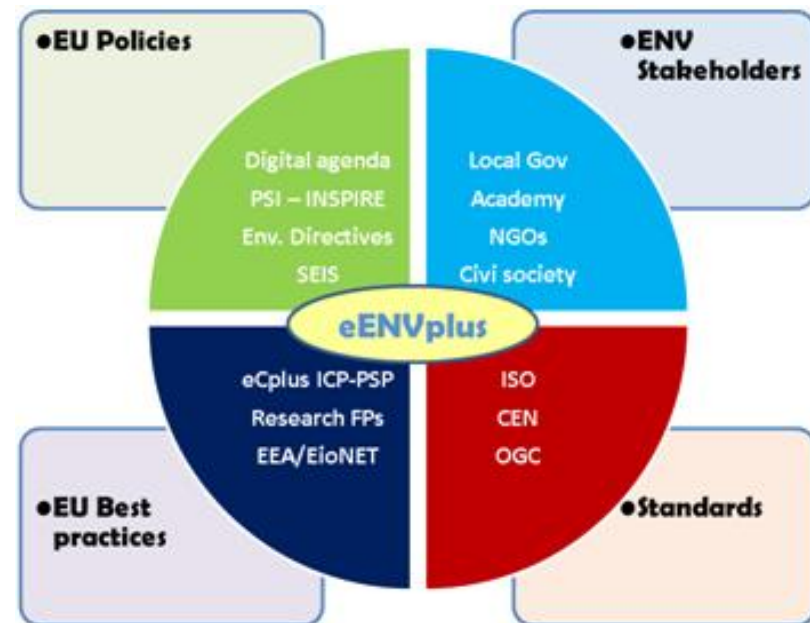
Grant agreement no: 325232

Starting date: 01 January 2013

eENVplus Workshop
INSPIRE Conference, Florence (IT), 24 June 2013

Key objective

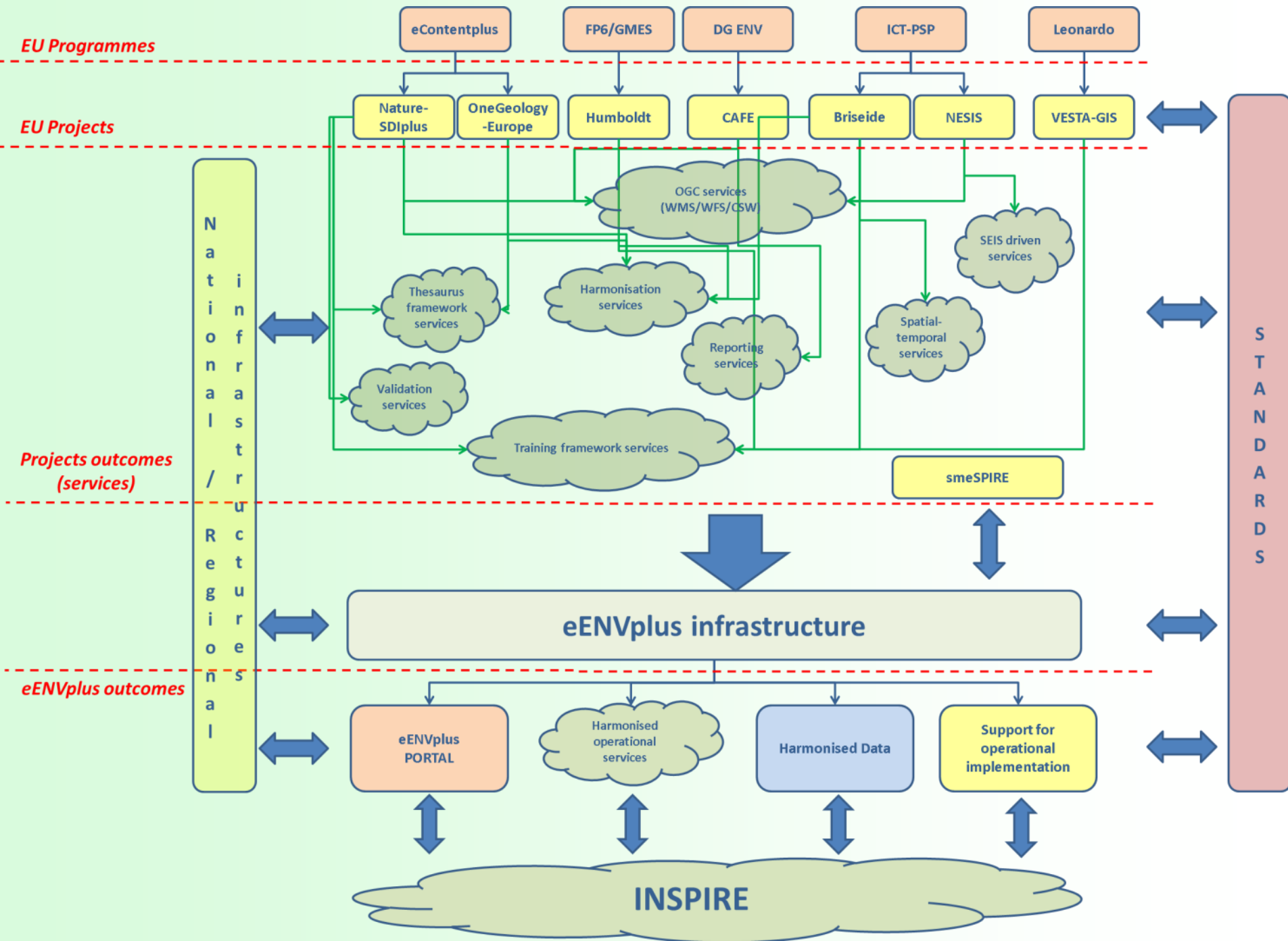
- to support INSPIRE and SEIS implementation
- through deployment and integration of value-added eEnvironment services
- available at national level and through past/on-going key EC-funded project
- eENVplus provides Members State and the GI Communities, with tools addressing a **multi-level interoperability stack**:





From Objectives to the





eENVplus -- more in presentation --

The eENVplus Service and Infrastructure

European projects background



- **NESIS** - A Network to enhance a European Environmental Shared and Interoperable Information System (ICT PSP project)
- **NATURE-SDIplus** - Best Practice Network for SDI in Nature Conservation (eContentplus project)
- **BRISEIDE** - Bridging services, information and data for Europe (ICT PSP project)
- **OneGeology Europe** - Making digital geological spatial data more easily discoverable, accessible and useable
- **HUMBOLDT** - Towards the Harmonisation of Spatial Information in Europe (FP6 GMES project)
- **CAFE** - Development and demonstration of technical IT solutions for data exchange and reporting under the CAFE Directive using INSPIRE services"
- **VESTA-GIS** - Development of a training infrastructure (LdV)



■ National Agencies:

- Environmental Agencies: VMM (BE), ISPRA (IT), CENIA (CZ), SAZP (SK), MRD (HU) with support of GEO (HU); moreover, EPSILON in close cooperation with GR EA
- Mapping Agencies: DGT (PT), NLSI (IC, in close cooperation with IC EA)
- Thematic Agencies: Geological (GeoZS, SLO), Nature (ATEN, FR)

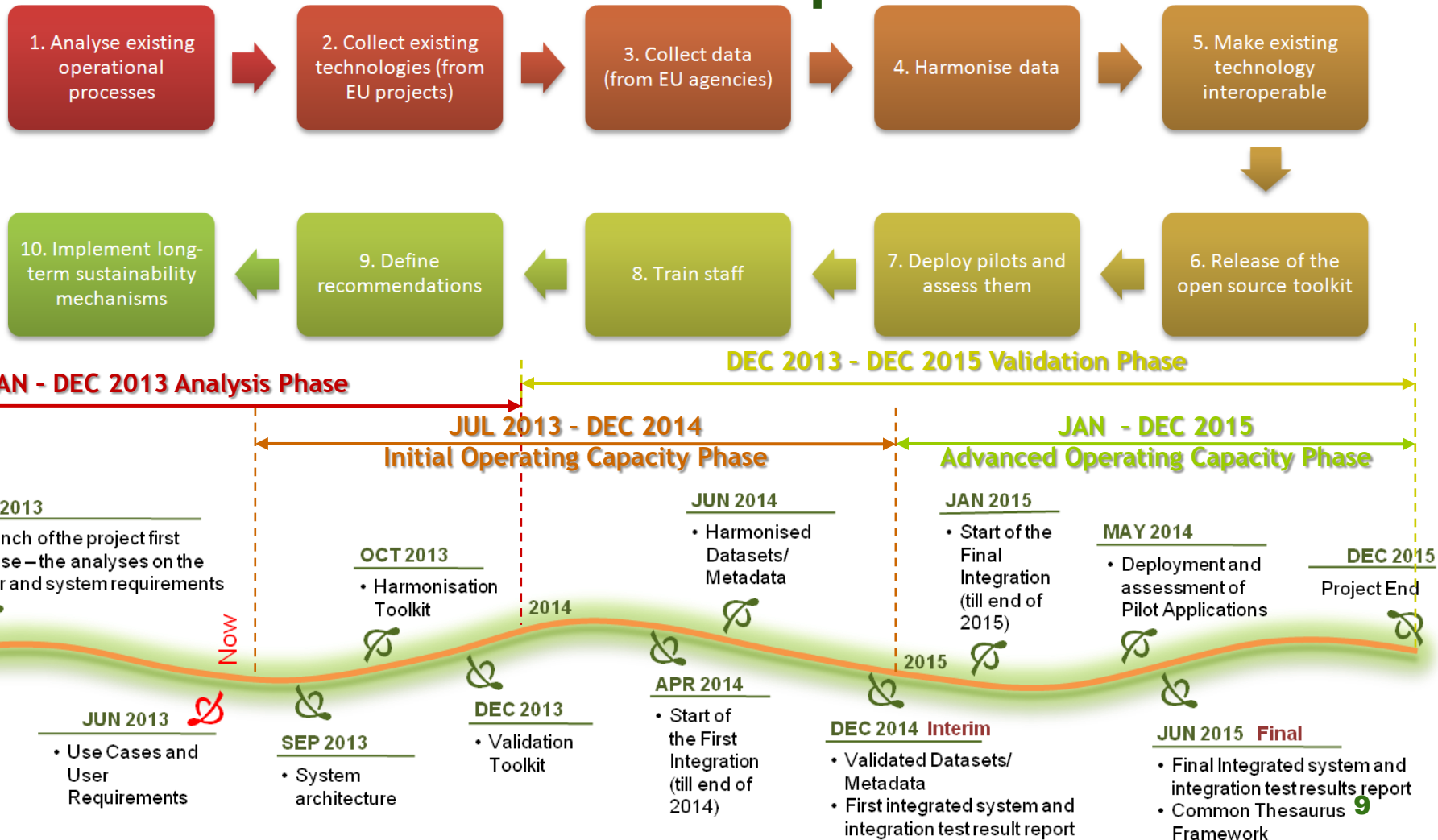
■ **Technical partners:** CNR-IMATI, Epsilon, Sinergis, Graphitech, disy, EPSIT, PKH

■ **University:** GEO

■ **Standardization Body:** GIST (Secretary of CEN TC/287 Geographical Information)

■ **European Association:** GISIG (eENVplus Coordinator)

Macro-actions foreseen by eENVplus and Road Map



Pilots / Scenarios / Use Cases

- In 10 pilots, 9 Scenarios, 3 cross-border
- Pilots: the actual implementation of the scenarios in a geographical area
- Scenarios: the different use cases considered by eENVplus, which the applications correspond to
- Use Case: a methodology used in system analysis to identify, clarify, and organize system and user requirements

Scenario Title		ENV Aspect	Pilots
EP01	Implementation of a SEIS for air quality data	Air Quality	BELGIUM
EP02	Implementation of a SEIS for air quality data	Water	BELGIUM
EP03	Providing INSPIRE-compliant access to utility services: the case of sewage network		
EP04	Choice – Everyday Life Issues Connected to Environmental Aspects		
EP05	Natural Heritage	Nature Conservation	FRANCE
EP06	Environmental Risk	Environmental Risk (Geohazard)	ITALY / SLOVENIA
EP07	Viewing the Protected Areas as a Policy Context	Ecological Landuse Planning	PORTUGAL
EP08	Implementation of a SEIS for air quality data	Air Quality	BELGIUM
EP09	Geological Map Harmonization	Environmental Risk (Geohazard)	ITALY / SLOVENIA
EP10	Urban Landuse Planning: INSPIRE'd land use planning Indicators to monitor good urban planning practices	Ecological Landuse Planning	PORTUGAL

Offering examples on how the eENVplus outcomes can be utilized in a variety of different situations (ENV aspects) and users' needs

Providing streamline of the tools available to the project into the main flow of INSPIRE compliance

Proposing interoperability among the applications (existing or planned) to create a more complete thematic (integration among complementary issues) or regional example (integration among cross-border cases)

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Application scenarios and use cases

Underlying content, INSPIRE data Themes

- various National datasets related to many INSPIRE Annex I-II-III Data Themes, datasets are made available for eENVplus (some are under IPR, many are Open Data)

Pilot Applications: EP01 EP02 EP03 EP04 EP05 EP06 EP07 EP08 EP09 EP10										
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. Ol: 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 mng/rest/reg zones & rep. 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										

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The eENVplus approach for data harmonization

eENVplus Training Framework

