

National Workshop
09:30-11:00

Introduzione del progetto eENVplus
L'approccio eENVplus all'armonizzazione e validazione dei dati
Il Thesaurus Framework eENVplus per applicazioni ambientali
L'infrastruttura e i servizi eENVplus
Scenari applicativi e casi pilota
Il contributo di eENVplus all'implementazione delle politiche europee
Un Training Framework per l'implementazione di INSPIRE e SEIS



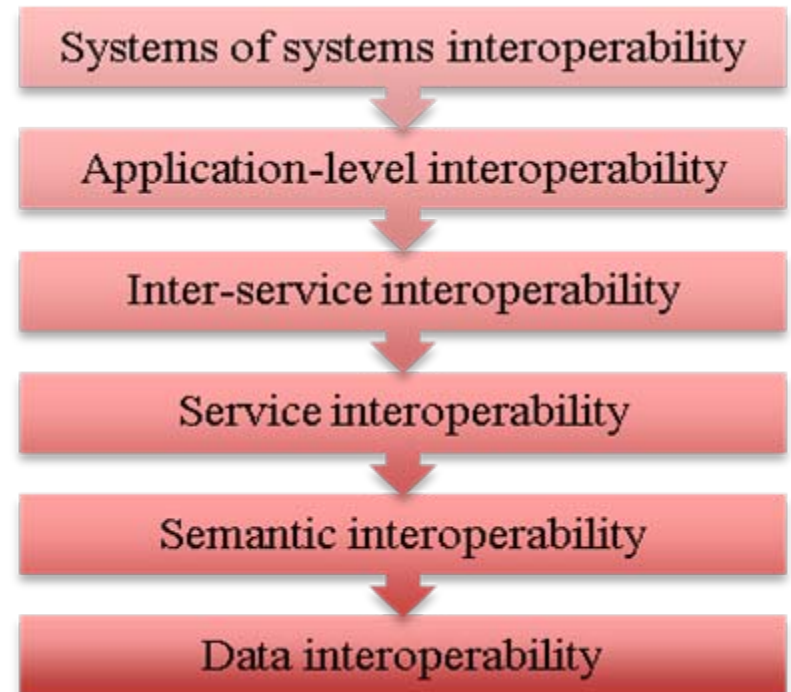
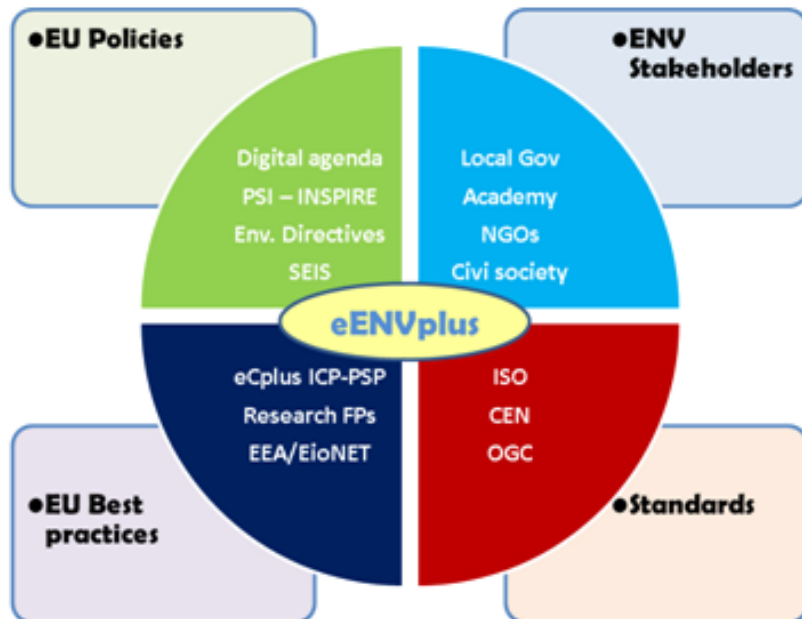
eENVplus - eEnvironmental services for advanced applications within INSPIRE

CIP – Pilot Actions
Grant agreement no: 325232
Starting date: 01 January 2013

eENVplus National Workshop
17a ASITA National Conference
Riva del Garda, 7 November 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**:



Initiatives

Policy

Environmental Directives

Digital Agenda
10011001001100110000100 2010-2020
for Europe



EIS

PSI



From Objectives to the

eENVplus



Air

Water

Nature Conservation

ENV Risks

Land Use Planning

Everyday Life

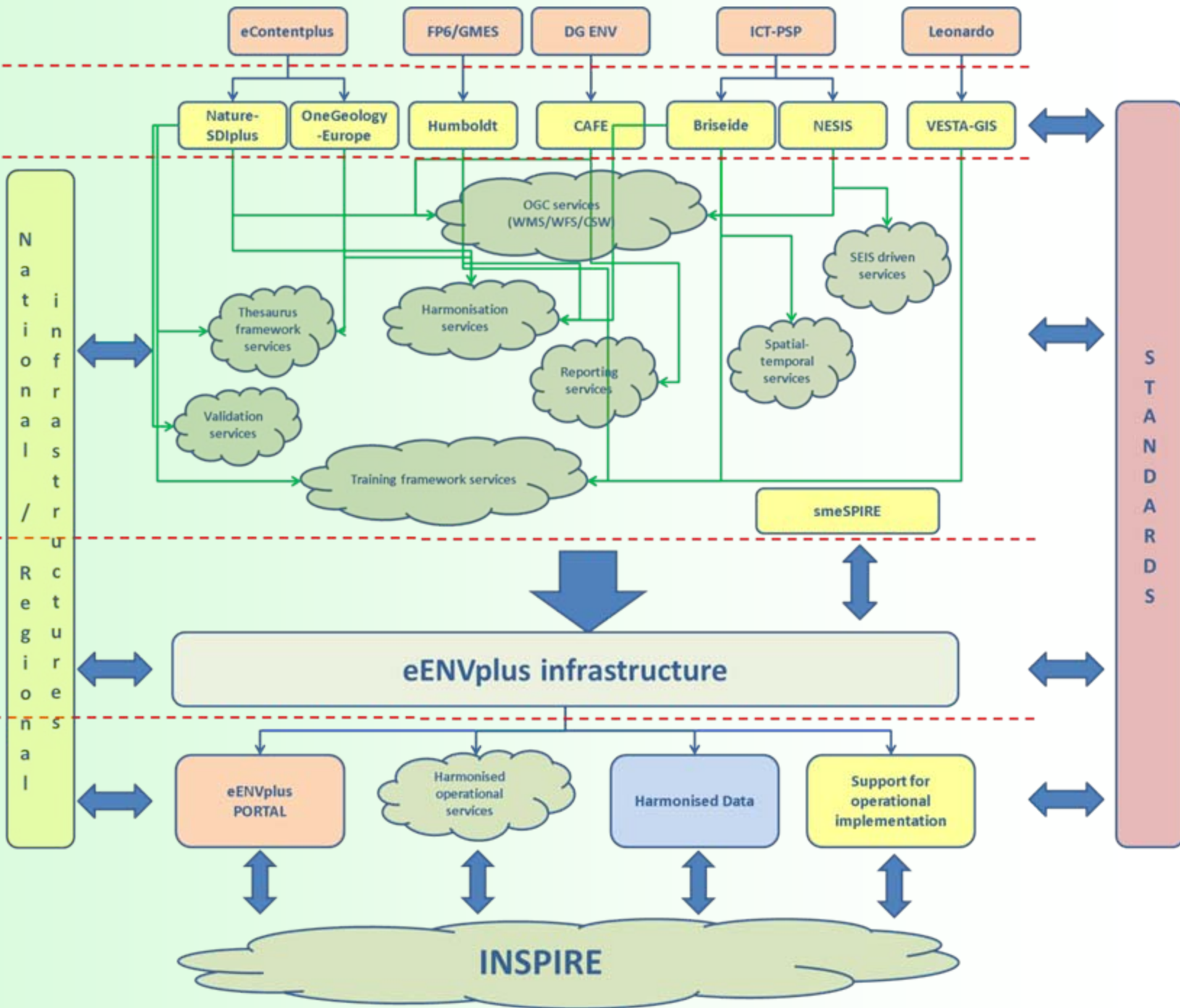


EU Programmes

EU Projects

Projects outcomes (services)

eENVplus outcomes



eENVplus -- more in presentations --

- **L'infrastruttura e i servizi eENVplus
e**
- **Il contributo di eENVplus
all'implementazione delle politiche
europee**

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)

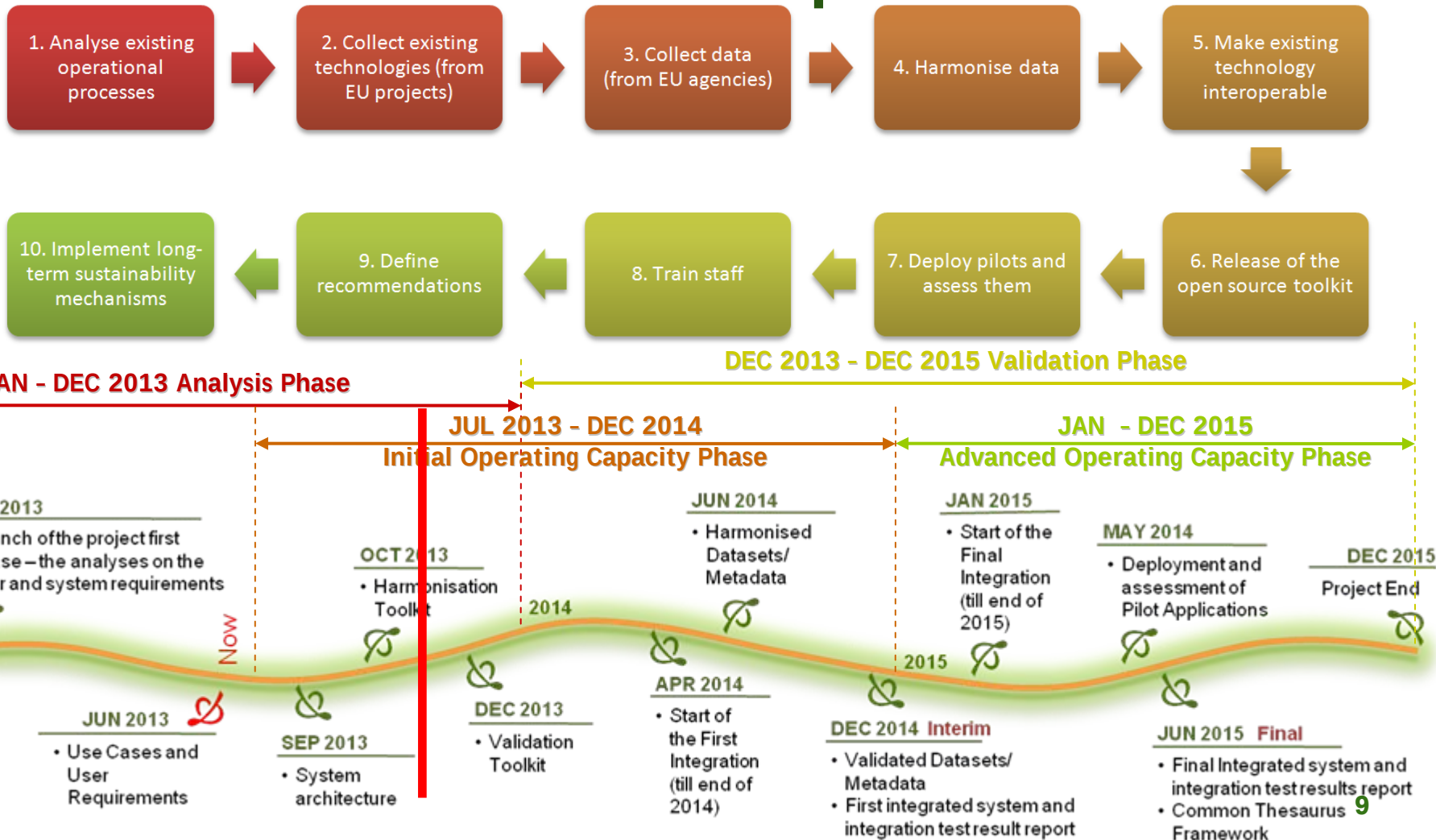
■ **Technical partners:** CNR-IMATI, Epsilon, Sinergis, Graphitech, disy, EPSIT, PKH

■ **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		ITALY
EP03	Providing INSPIRE-compliant access to utility services: the case of sewage networks in Flanders	Water	BELGIUM
EP04	Csspire - Everyday Life Issues Connected to Environmental Aspects	Everyday life issues connected to ENV aspects	CZECH REPUBLIC / SLOVAKIA
EP05	Natural Areas INSPIRE Compliance Toolbox	Nature Conservation	FRANCE
EP06	Forest Fire Management	Environmental Risk (Fire)	GREECE
EP07	Window on the Protected Areas - Mobile Conservation Map	Nature Conservation	HUNGARY / SLOVAKIA
EP08	INSPIRE Geoportal - Nature conservation data in Iceland	Nature conservation	ICELAND
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

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EP05	Nature - Everyday Life Issues Connected to Environmental Aspects	Nature Conservation	FRANCE
EP06	Forest - Everyday Life Issues Connected to Environmental Aspects	Forest Management	CZECH REPUBLIC / SLOVAKIA
EP07	Wetland - Everyday Life Issues Connected to Environmental Aspects	Wetland Conservation	PORTUGAL
EP08	Integrating INSPIRE data into a regional example	Environmental Risk (Geohazard)	IRELAND
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)



-- more in presentation --

Scenari applicativi e casi pilota

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)

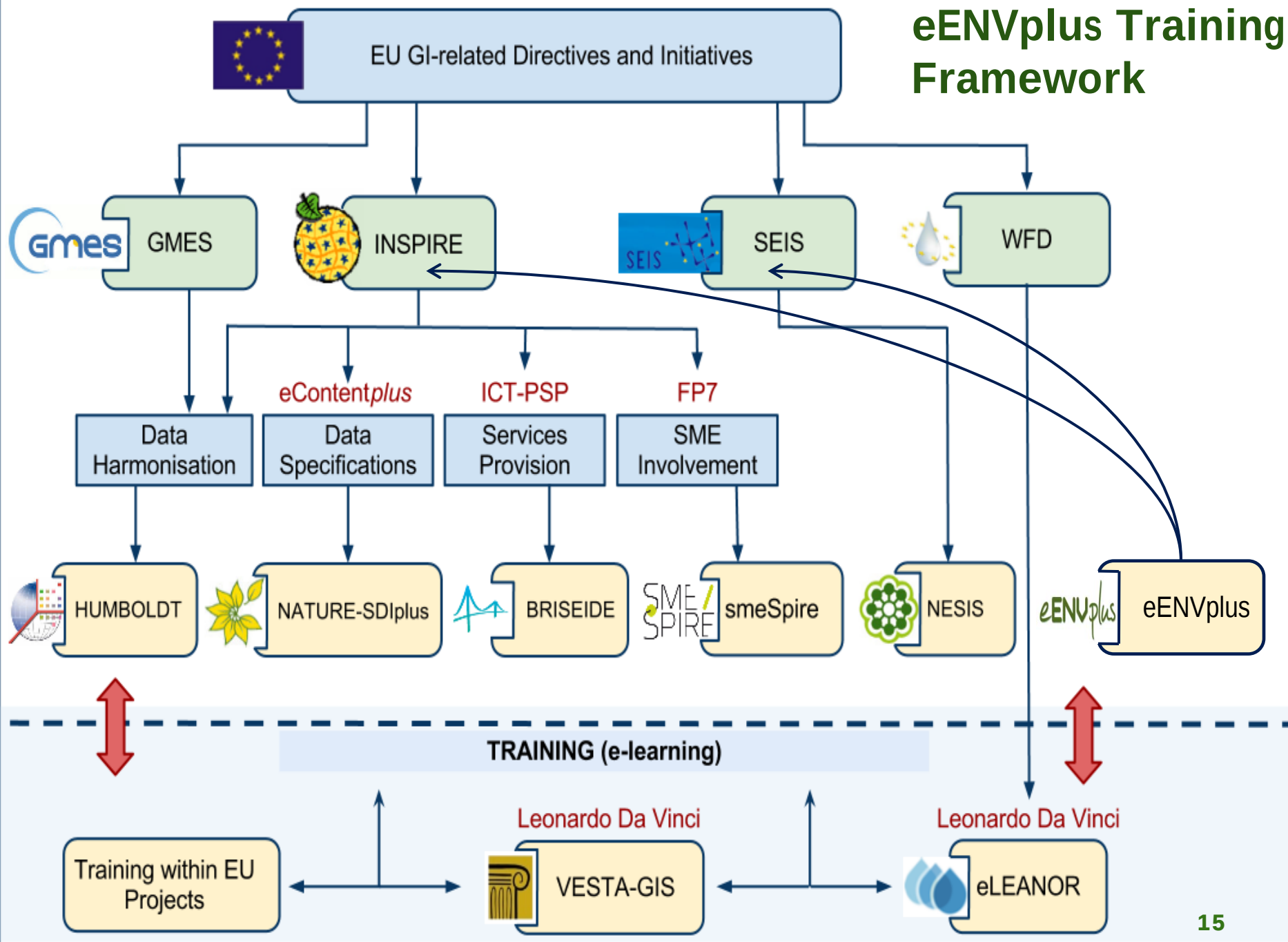
Pilot Applications: EP01 EP02 EP03 EP04 EP05 EP06 EP07 EP08 EP09 EP10									
ANNEX I									
1. RS: Coordinate reference systems									
4. AU: Administrative units									
6. CP: Cadastral parcels									
8. HY: Hydrography									
9. PS: Protected sites									
ANNEX II									
2. LC: Land 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									



-- more in the section --

L'approccio eENVplus all'armonizzazione e validazione dei dati

eENVplus Training Framework



Grazie per il vostro
interesse in eENVplus !

Giorgio Saio

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GISIG - eENVplus Coordinator