



WORKSHOP

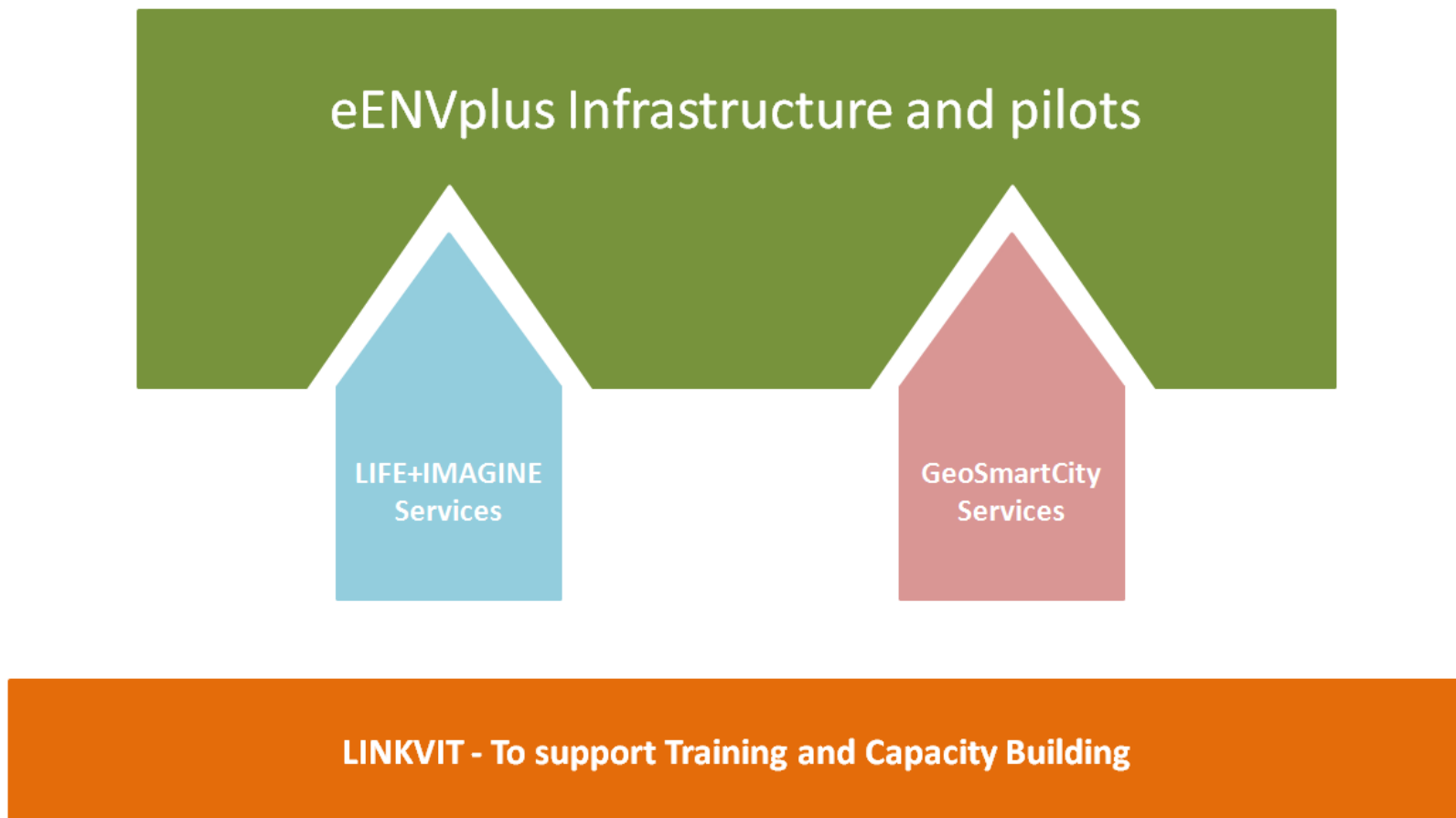
(1st session 14:00-15:30)

A clustering approach to eENVironmental
Services for advanced applications and
capacity building within
INSPIRE and SEIS

Workshop at a glance

- The **eENVplus** project organizes this 2-slots workshop (14h to 15.30h and 16h to 17.30) in connection with **LIFE+IMAGINE**, **GeoSmartCity** and **LINKVIT** projects
- The aim is to focus on the interoperability with other European projects and on the possibility to exploit reusability, synergies and clustering in different contexts and environments
- eENVplus has been in fact conceived as an open infrastructure able to host new pilot applications and the services needed to run them

Clustering of eENVplus, LIFE+IMAGINE, GeoSmartCity and Linkvit projects



Welcome to eENVplus

We support, at European and national levels, the implementation of **INSPIRE** and **SEIS** through deployment and integration of value-added *eEnvironment* services and applications

[LEARN MORE](#)

eEnvironmental services for advanced applications within INSPIRE

eENVplus is a Pilot Type A project, funded by European Union under the Competitiveness and Innovation Framework Programme – Information and Communication Technologies Policy Support Programme (CIP-ICT-PSP) grant No. 325232.

Welcome to LIFE+IMAGINE

LIFE+IMAGINE is a project co-funded by the LIFE+ Programme Environmental Policy and Governance in the framework of the objective "strategic approaches".

LIFE+IMAGINE deals with the integrated management of coastal zone and the implementation of environmental policies in the sector. The project in fact, through methodologies for the environmental analysis, provides information to support the coastal planning and decision making, with particular reference to two application scenarios:

- Landslides in coastal zones.
- Soil consumption in coastal zones.

LIFE+IMAGINE implements an infrastructure based on web services for environmental analysis, integrating in its own architecture specifications and results from INSPIRE, SEIS and GMES/Copernicus.

Integrated coastal area Management Application implementing GMES, INSPIRE and SEIS data policies.

[Project profile](#)



Regione Toscana



www.life-imagine.eu

GraphiTech

GeoSmartCity implements a platform to share and public geographical open data coming from different sources, such as Public Administrations, Multi-utilities, Companies, Citizens and Crowd-sourcing.

The platform includes specialized web services to integrate public geographical data with other geo-referenced data (public or private) useful for the smart management of urban infrastructures and public services in the context of the Smart City initiative and the Digital Agenda for Europe. GeoSmartCity provides also support to the implementation of the the Covenant of Majors.

The project implements two application scenarios:

- Underground (5 pilot cases in EU)
- Green Energy (5 pilot cases in EU)

Partnership



TURUN AMMATTIKORKEAKOULU
TURKU UNIVERSITY OF APPLIED SCIENCES



Leveraging INspire Knowledge into Vocational Innovative Training



The project

LINKVIT is based upon the results of several European initiatives in the field of Geographical Information and the implementation of the INSPIRE Directive. At first, LINKVIT is based upon results of the ...

[Read more »](#)



Training Modules

LINKVIT will leverage in harmonized Training Package the complementarity of different modules about: the Context Knowledge to operate in INSPIRE; technical procedures to manage the datasets considered ...

[Read more »](#)

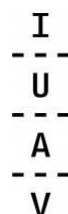


Communication

All the events and dissemination material of the project is available here.

[Read more »](#)

Partners



Università IUV
di Venezia





Workshop Agenda 14:00 - 15:30

- Workshop Introduction (G.Saio, GISIG)

eENVplus Session

- The eENVplus vision towards a eENVironmental service Infrastructure and European policies (C.Attardo, GISIG)
- Data transformation and validation (G. Martirano, EPSIT)
- LusTRE - Linked Thesaurus fRamework for Environment (M. DeMartino, CNR-IMATI – A. Abecker, Disy))
- eENVplus Infrastructure (P.Cipriano, SINERGIS – U.di Staso, GRAPHITECH)
- Pilot Applications deployment (C. Cipolloni, ISPRA – O.Peeters, VMM)
- Stakeholders involvement and conclusion first part (G.Saio, GISIG)

Workshop Agenda 16:00 - 17:30

- Workshop Introduction (G.Saio, GISIG)

LIFE-IMAGINE Session

- Landslides in coastal zones (C. Cipolloni, ISPRA)
- Soil consumption in coastal zones (M. Corongiu, LAMMA)

GeoSmartCity Session

- Green Energy scenario (P. Cipriano, SINERGIS)
- Underground scenario (M. Cabello, TRACASA)

LINKVIT Session

- Business Processes in INSPIRE (D. Vandenbroucke, KU Leuven)
- Training Frameworks to support Capacity Building (R. Molina, GISIG)

Discussion and Conclusions of the workshop

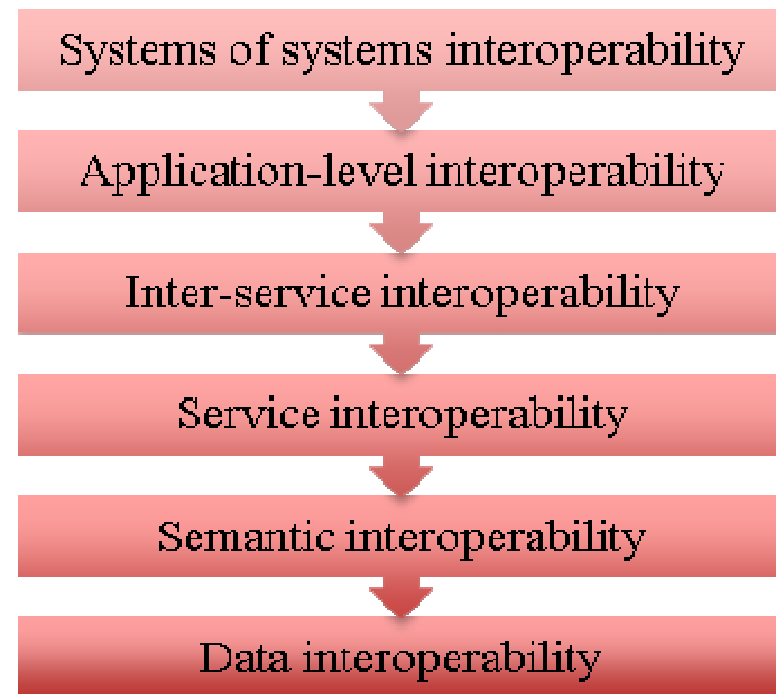
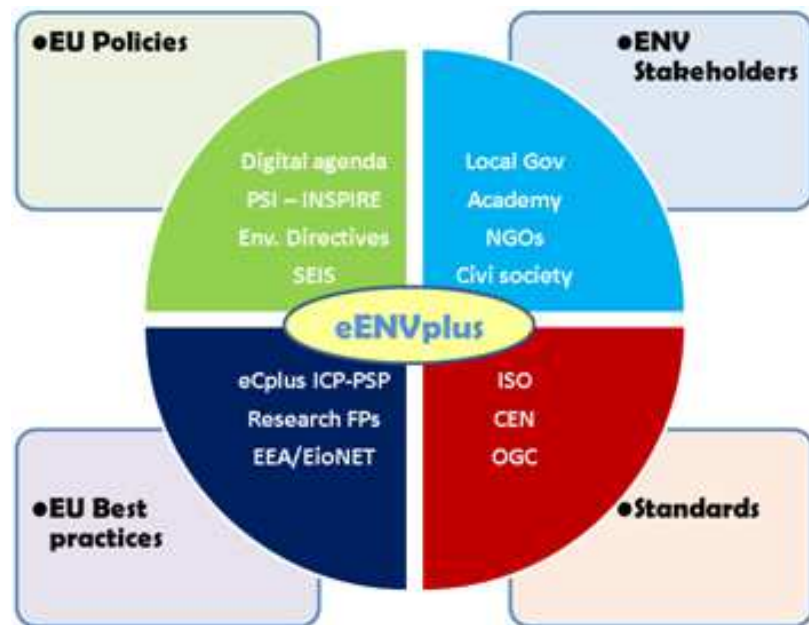


eENVplus - eEnvironmental services for advanced applications within INSPIRE

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



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)



Partnership

■ 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

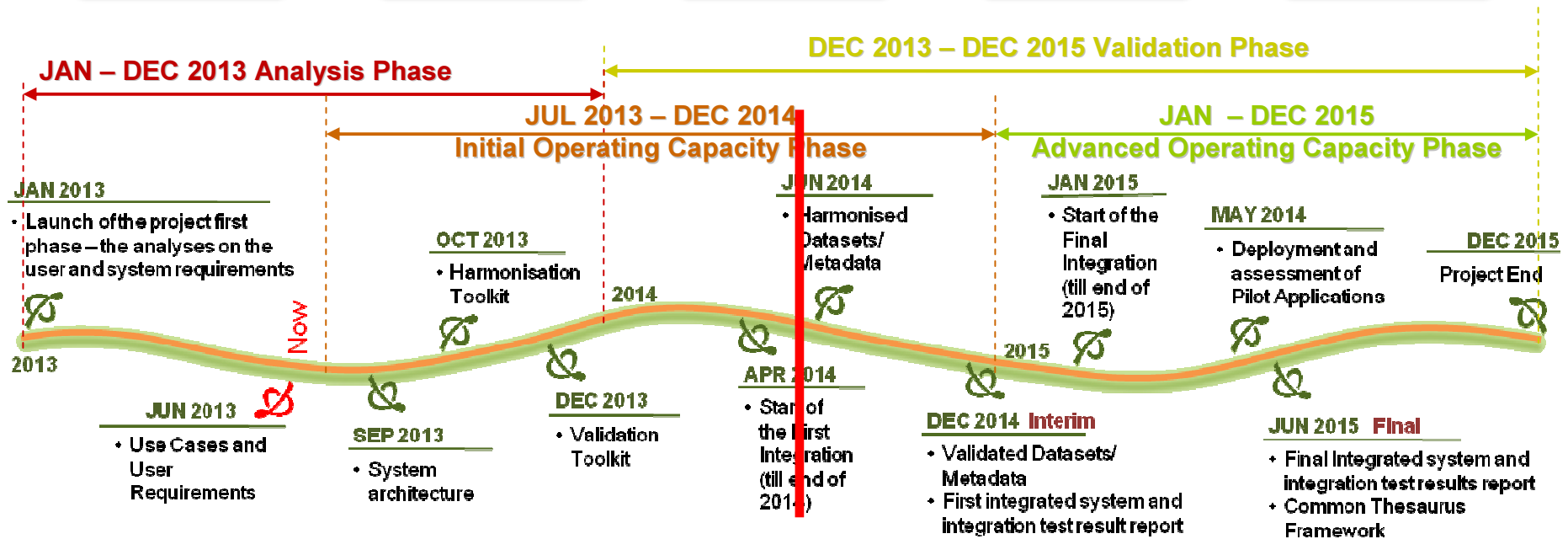
■ **University:** GEO

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

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

19 partners from 12 countries

Macro-actions foreseen by eENVplus and Road Map



Pilots / Scenarios / Use Cases

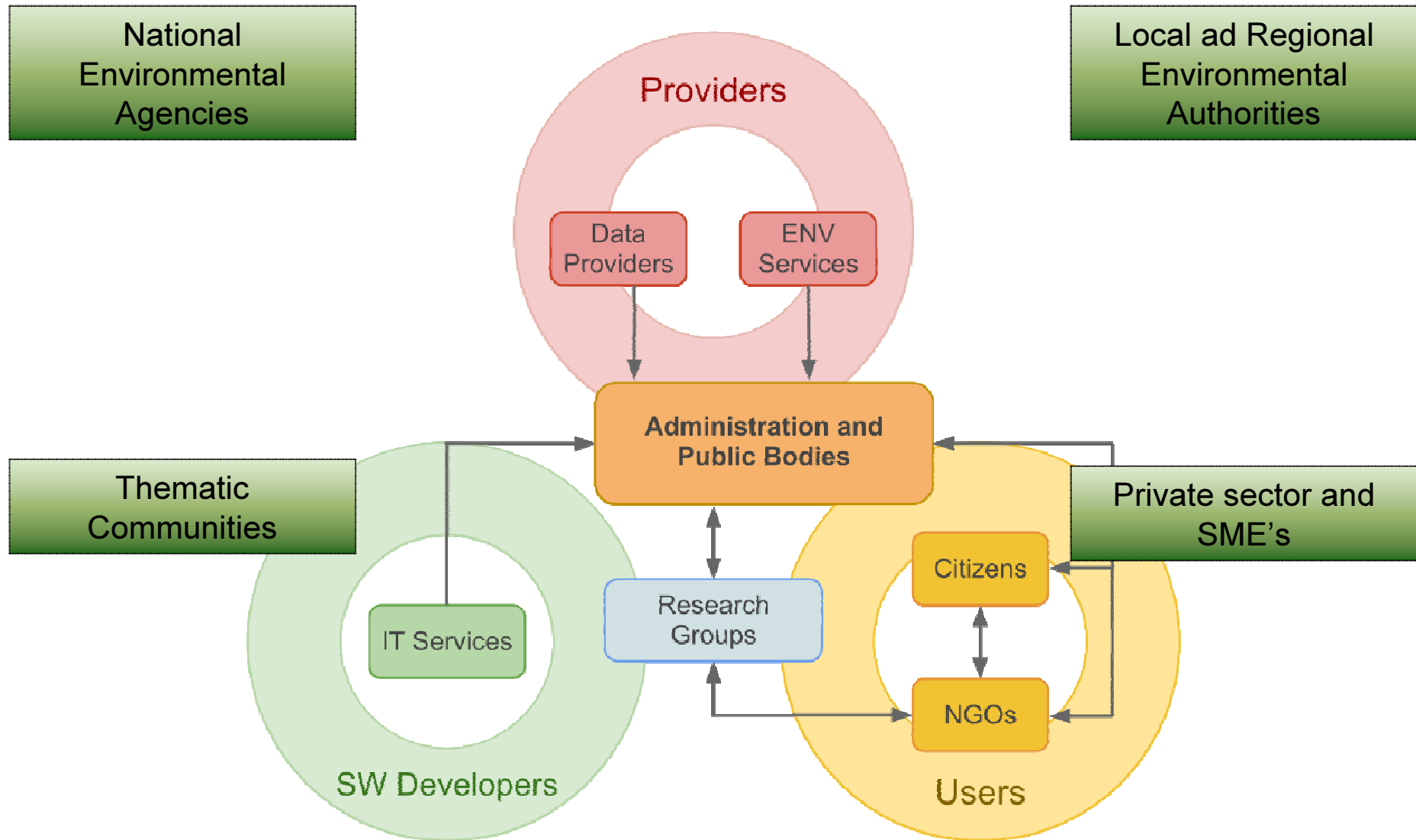
- In 10 pilots, 9 Scenarios, 3 cross-border
 - Pilots: the actual implementation of the scenarios in a geographical area
 - Scenarios: the different use cases considered by eENVplus, which the applications correspond to
 - Use Case: a methodology used in system analysis to identify, clarify, and organize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

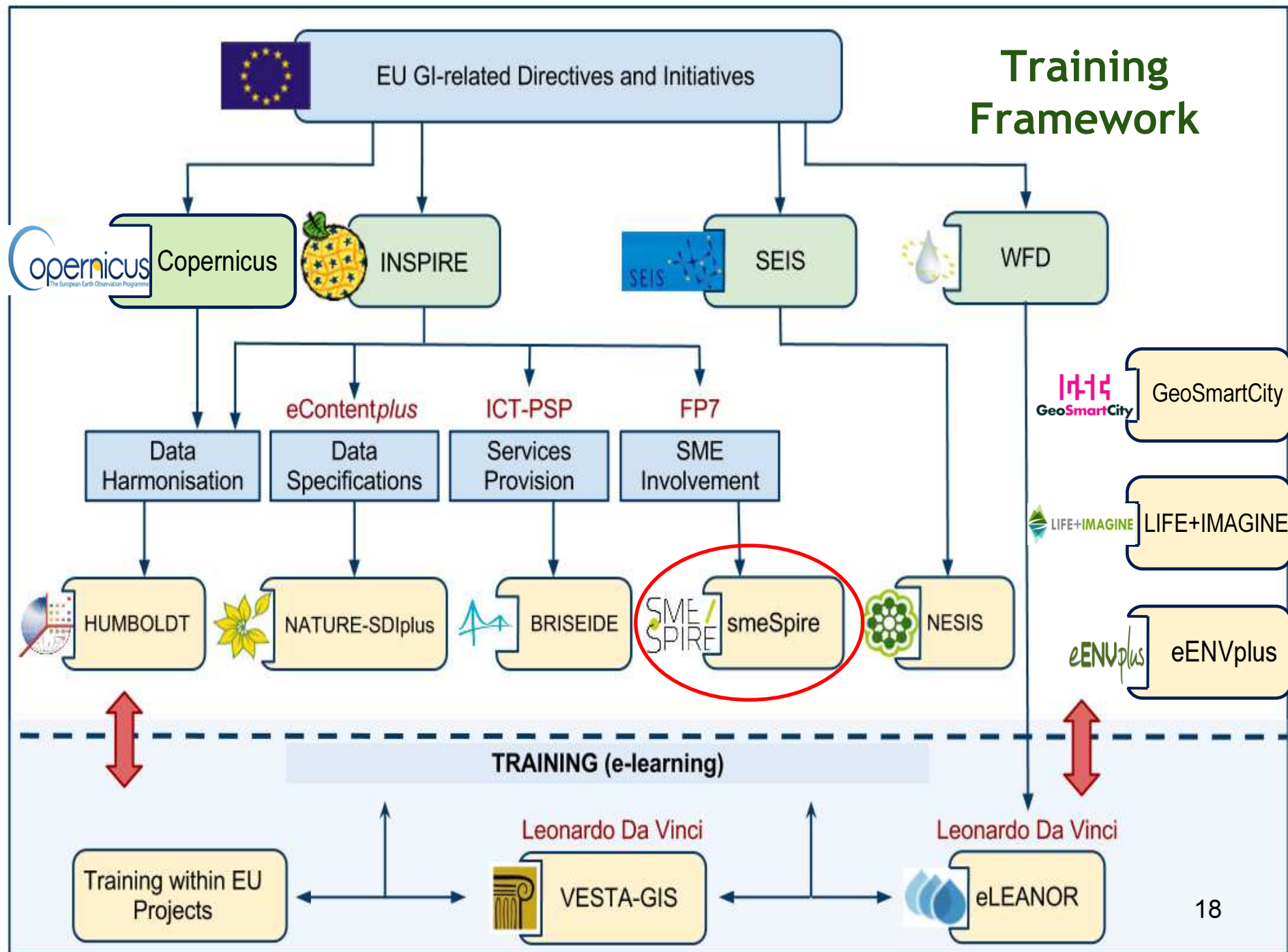
Underlying content, INSPIRE data Themes

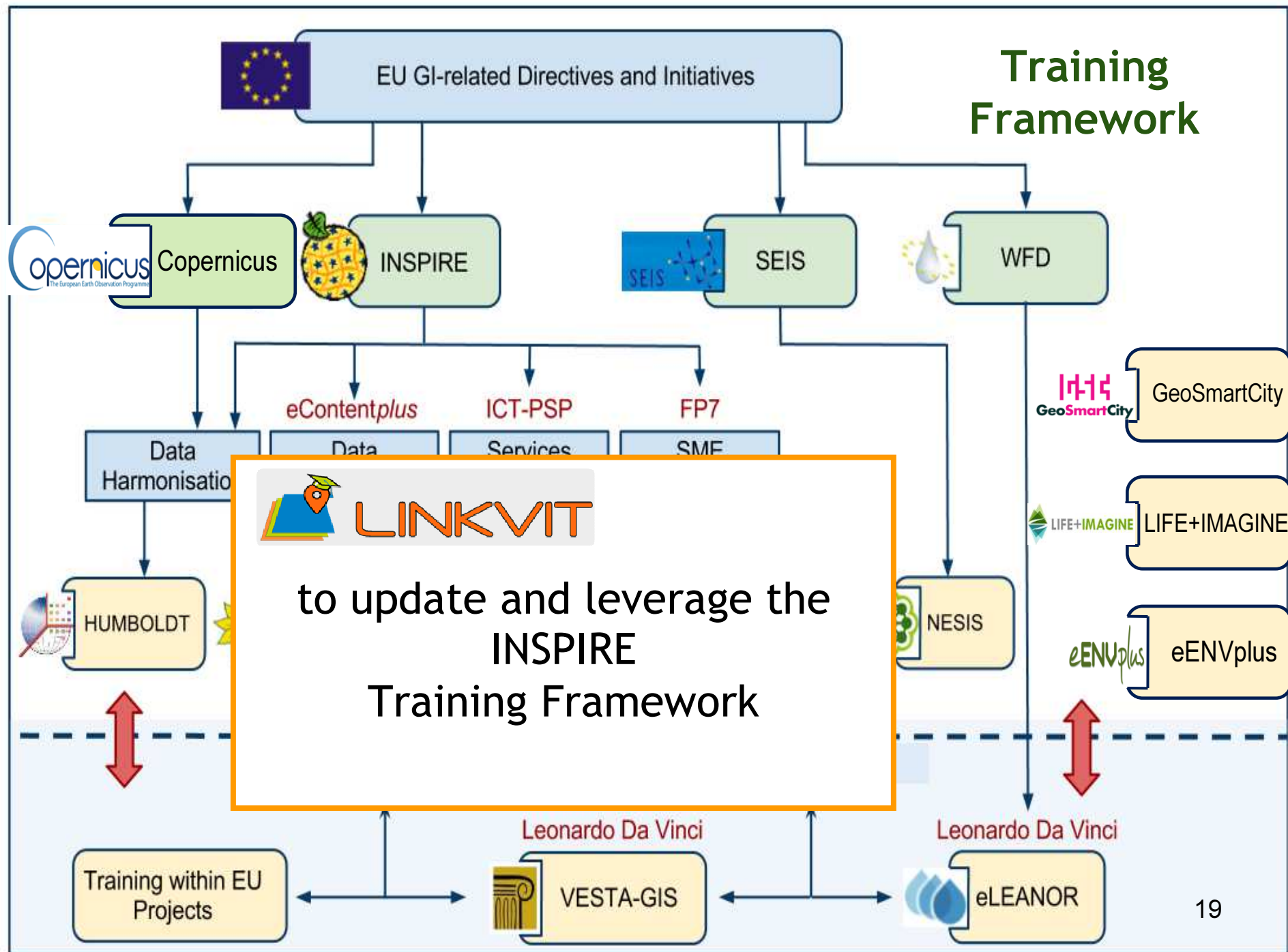
- various National datasets related to many INSPIRE Annex I-II-III Data Themes, datasets are made available for eENVplus (some are under IPR, many are Open Data)

| 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 | | | | | | | | | | |

Target Groups









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Moreover, within the INSPIRE Conference:

18 June – INSPIRE Data Harmony (14:30)

- INSPIRE Land Cover Data Specifications to Model Fire Access Time in Europe: the Experience of the eENVplus Project, Alkis Astyakopoulos

19 June - INSPIRE in Urban and Regional Spaces (09:15)

- INSPIRE'd Land Use Planning - Dynamic Indicators to Improve Planning Achievements, Maria José Vale

19 June - Registries for INSPIRE session (11:40)

- State of Play of Environmental Thesauri in the Web and their Adherence to (Open) Linked Data Best Practices, Monica De Martino
- Software Services Exploiting the eENVplus Framework of Interlinked Thesauri for Metadata Management, Andreas Abecker

19 June - Earth Science session (15:00)

- The eENVplus project geological harmonization data pilot as best practice to produce INSPIRE compliant data on Natural Risk Zone, Carlo Cipolloni