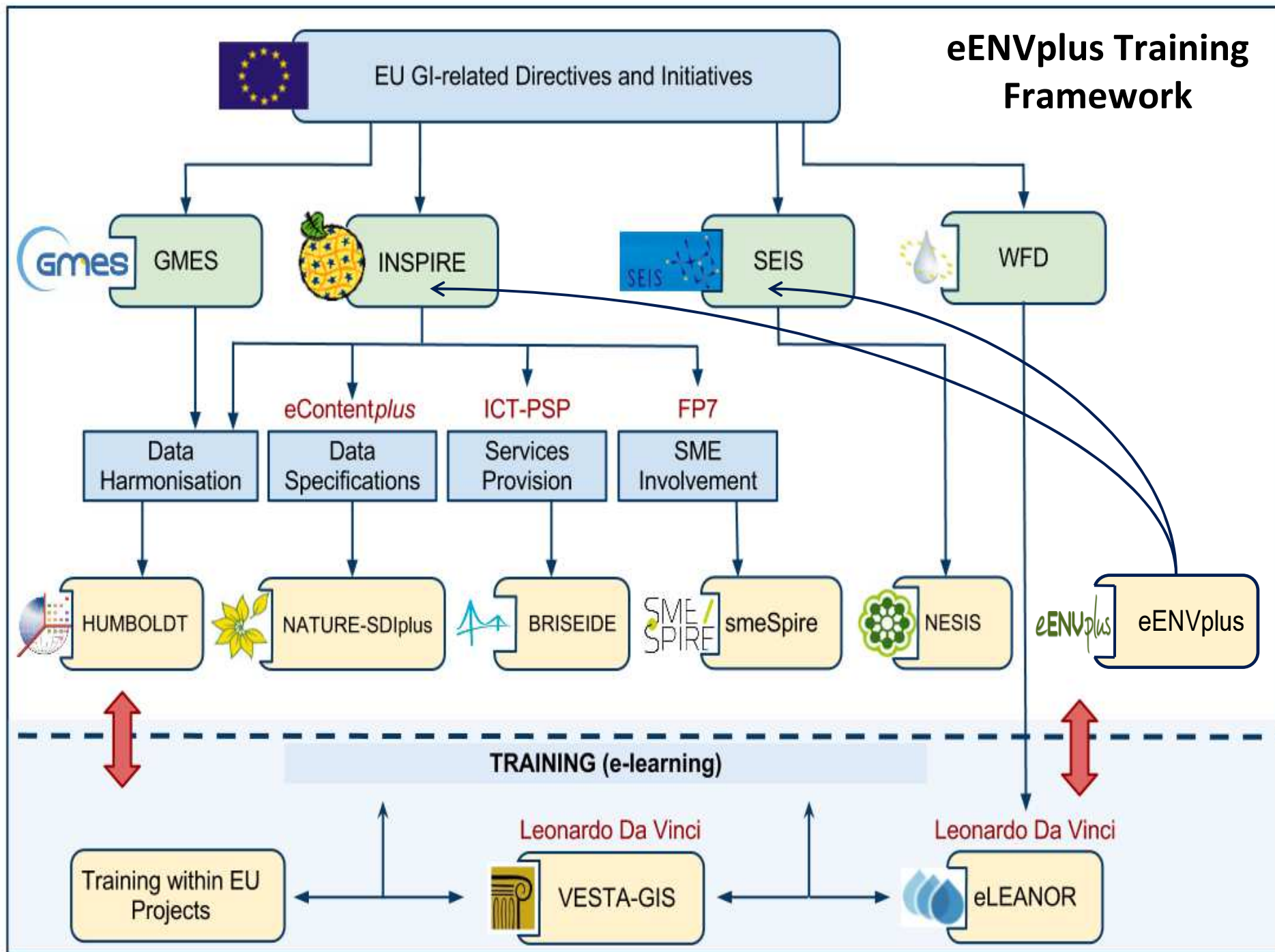
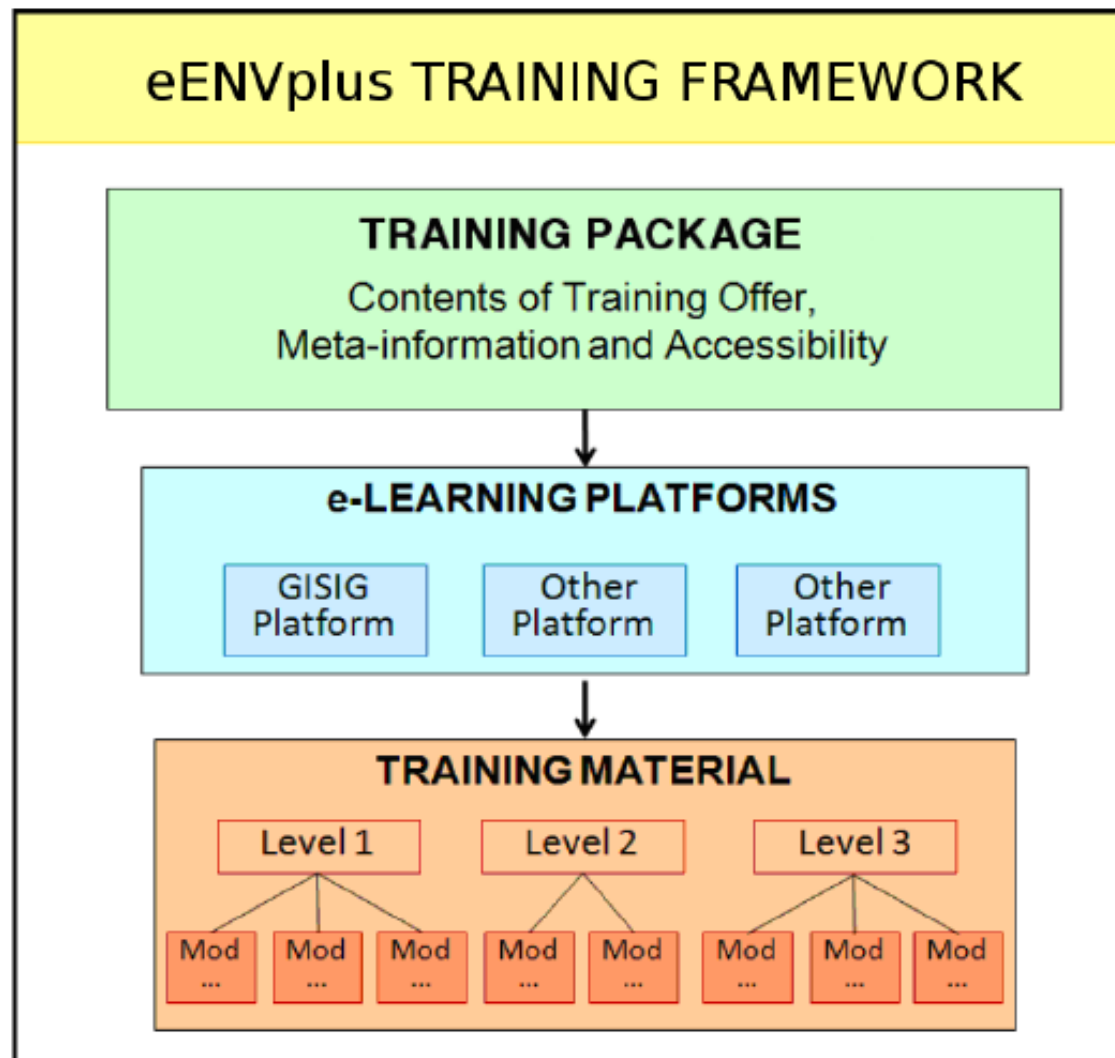


Un Training Framework per l'implementazione di INSPIRE e SEIS

Giorgio Saio
GISIG





Level 1: Background Knowledge

Knowledge on Directives/ Technologies

- Data Harmonisation
- Basics of INSPIRE Data Specifications
- Basics of INSPIRE Network Services
- Introduction to INSPIRE
- Procedures for Data and Metadata Harmonisation
- Towards the ICT implementation of SEIS
- Good Practices for Environmental Management
- Linked Data
- Standards in Geographical Information (wiki resource as support documentation)

Level 2: Thematic Knowledge

Knowledge on specific related knowledge areas

- Risk Management
- Water Directives
- Nature Conservation and Natura 2000 Network
- Nature Conservation and INSPIRE
- Geological Data Harmonisation

Level 3: The eENVplus Infrastructure (to be developed)

Knowledge on the technical outcomes of eENVplus

- The eENVplus services (including one module for each of the developed services + the eENVplus services user guides)
- The eENVplus Architecture
- The eENVplus Thesaurus Framework
- Mobile Mapping and advanced visualisation
- eENVplus catalogue and connection to operational infrastructures
- Data Remodelling: Practical experience
- Metadata and Data validation for INSPIRE

Level 3: The eENVplus Infrastructure (to be developed)

The eENVplus services Modules (context: WP5 Services Platform)

- eENVplus services user guides
- eENVPlus Web Processing Services
- eENVPlus Crowdsourcing Services
- eENVPlus Ingestion service
- eENVPlus Notification service
- eENVPlus Data access services
- eENVPlus validation service
- eENVPlus service orchestration
- eENVPlus Reporting services

Level 4 - eENVplus scenarios

Scenario Title	Environmental Aspect
Implementation of a SEIS for air quality data	Air Quality
Providing INSPIRE-compliant access to utility services: the case of sewage networks in Flanders	Water
CSspire	Everyday life issues connected to Environmental aspects
Natural Areas INSPIRE Compliance Toolbox	Nature Conservation
Forest Fire Management Scenario	Environmental Risk (Fire)
Window on the Protected Areas - Mobile Conservation Map (WMA MCM)	Nature Conservation
INSPIRE Geoportal	Nature conservation
Geological Map Harmonization	Environmental Risk (Geohazard)
Urban Landuse Planning: INSPIRE'd land use planning Indicators to monitor good urban planning practices	Ecological Landuse Planning

LINKVIT -

Leveraging Inspire Knowledge into Vocational Innovative Training

LLP Leonardo da Vinci Transfer of Innovation project

Duration: 24 Month

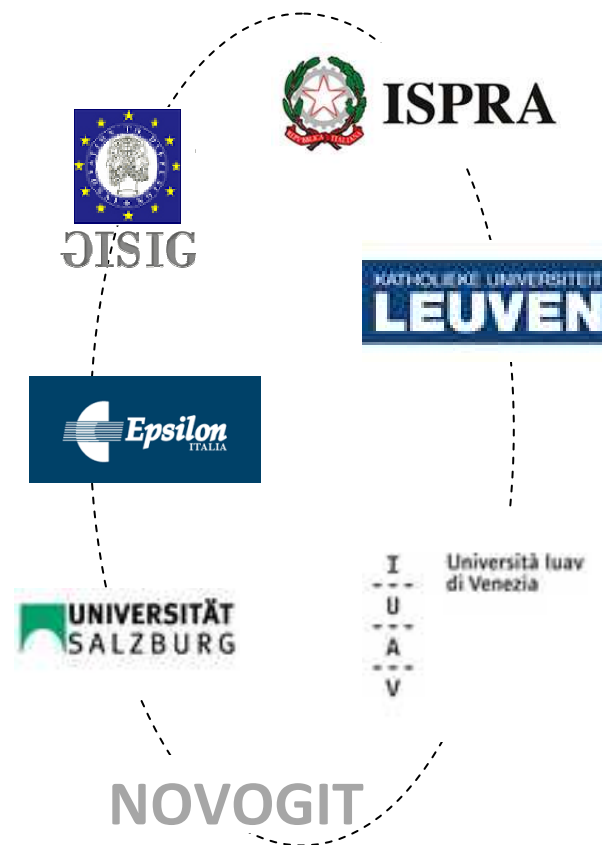
Starting Date: 1st October 2013

- ❑ **LINKVIT deals with “Digital Competence”** as defined in the Key competences for Lifelong Learning- A European Framework.
- ❑ **Competences in geo-information** are crucial in the new European context to be operational in the assignments of the INSPIRE Directive.
- ❑ **LINKVIT will aim at creating such competences through a set of training modules developed in different European initiatives.**

- ☐ **harmonize the existing training material** offered by the LINKVIT partners into **learning paths**, suitable for different target groups.
- ☐ **upgrade the existing training material**, harmonize it with a common didactic approach and **adapt it according to national/regional needs**.
- ☐ **set-up an interoperable Training Infrastructure** constituted by eLearning platforms.
- ☐ **establish a LINKVIT Training Framework**, as a portal for all the organization of training initiatives.
- ☐ **test and validate the whole Training Framework** with training actions.
- ☐ **exploit the whole LINKVIT Training Framework** for further curricular training actions, also with the organization of University Master programmes and the promotion of an INSPIRE Driver's licence.

- P0 – GISIG (IT), Coordinator
- P1 – ISPRA (IT)
- P2 – EPSILON (IT)
- P3 – IUAV (IT)
- P4 – PLUS – Salzburg Univ. (AT)
- P5 – KU LEUVEN (BE)
- P6 – NOVOGIT (SE)

7 partners from 4 countries



Already existing learning material is leveraged and reframed to provide end-user oriented modular learning to:

- **Professional profiles** within public and private sector (**technicians and decisions makers**) to be re-qualified on new competence required by INSPIRE
- **Postgraduates**, for easier access to GI-labour market with a post-degree specialization

The modules to transfer are classified into:

- a) Context Knowledge for INSPIRE**
- b) Advanced technical Modules**
- c) Modules addressed to the stakeholders of Nature Conservation**
- d) Modules addressed to the stakeholders of Geology and Civil Protection**
- e) Technological trends and innovative solutions**

A. Context Knowledge for INSPIRE:

1. Data Harmonisation
2. Data Quality
3. Basics of INSPIRE Data Specifications
4. Basics of INSPIRE Network Services
5. Introduction to INSPIRE
6. Basic concepts of XML and GML
7. European Geospatial Portals as SDI User Interfaces

B. Advanced technical Modules:

8. INSPIRE Data Specifications advanced
9. INSPIRE Network Services advanced
10. INSPIRE advanced
11. Procedures for Data and Metadata Harmonisation
12. Data Remodelling: Practical Experience
13. Metadata and Data validation for INSPIRE
14. Metadata and Catalog Services

C. Modules addressed to the stakeholders of Nature Conservation:

- 15. Nature Conservation and Nature 2000 Network
- 16. Nature Conservation and INSPIRE

D. Modules addressed to the stakeholders of Geology and Civil Protection:

- 17. Risk Management
- 18. Geological harmonisation and INSPIRE

E. Technological trends and innovative solutions:

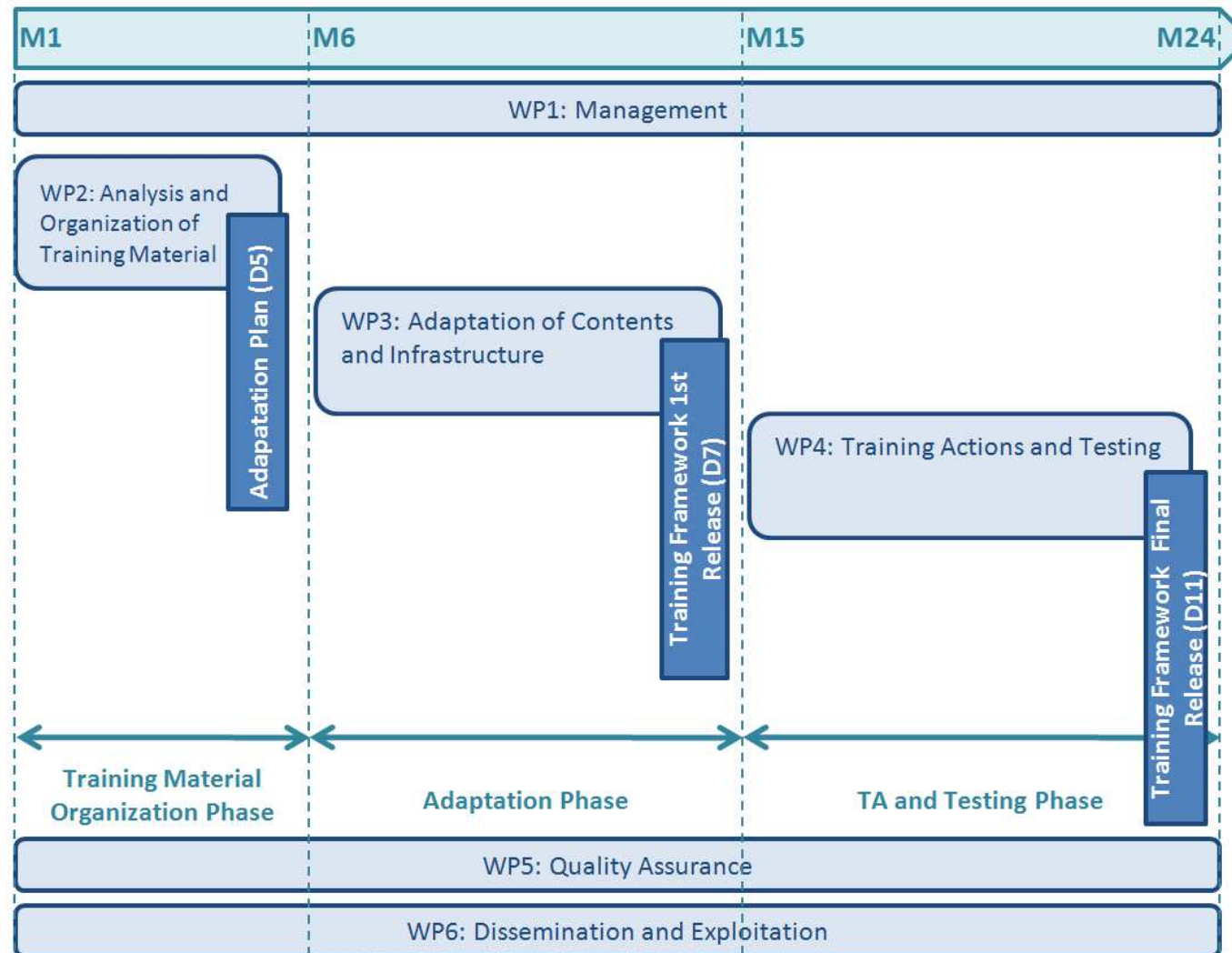
19. Linked Data:

- Introduction to Linked open government data

- Publishing Linked Open Government Data & Metadata

20. Introduction to Sensor Web enablement

Pert Diagram



GRAZIE PER L'ATTENZIONE

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