

eENVplus WORKSHOP: eENVIRONMENTAL SERVICES FOR ADVANCED APPLICATIONS WITHIN INSPIRE

Organizer: eENVplus Project

Contact Persons:

Giorgio Saio (eENVplus Coordinator)
c/o GISIG–Geographical Information
Systems International Group
Via Piacenza, 54 - 16138
Genoa (Italy)
Tel: +39 010 835 55 88
E-mail: g.saio@gisig.it

Carlo Cipolloni
ISPRA-Istituto Superiore per la
Protezione e la Ricerca Ambientale
Via Vitaliano Brancati , 48 – 00144
Roma (Italy)
Tel: +39 06 5007 4262
E-mail: carlo.cipolloni@isprambiente.it

Workshop Description and Goals:

The eENVplus project aims to unlock huge amounts of environmental data which is managed by the involved national/regional environment agencies and other public and private environmental stakeholders through the integration and harmonisation of existing services. This data is not only collected to answer reporting obligations on the environment to the European Union, but also to support national and local policies and actions.

The pilot does not design new services but rather, starting from the results of previous European experiences (funded projects, good practices, EU/national/local experiences) it integrates existing infrastructure into an operational framework able to overcome cross-border and languages barriers. eENVplus provides not only the ICT infrastructure but also the description and the support to make this infrastructure operational and profitable through the provision of an organisational model and a tutored training framework.

eENVplus interoperable infrastructure provides Members State and Geographic Information Communities:

- A comprehensive, open and scalable infrastructure able to integrate existing infrastructures according to the INSPIRE requirements, open standards and interoperable innovative services;
- A common Environment Thesaurus Framework, supporting the integration of existing thesauri relevant for the environmental sector via Linked Data and providing added-value services for its integration and exploitation in pilot applications
- A comprehensive tool-kit with procedures for data harmonisation and validation supporting Members States during INSPIRE implementation with guidelines and examples;
- A set of innovative on-line added value interoperable services aiming to facilitate the development of innovative environmental applications;
- A Training Framework to support, with eLearning tools, the development of the necessary capacities and knowledge to implement INSPIRE and to develop a SEIS and to keep this new adapted infrastructure operational.

Workshop Topics:**eENVplus Introduction**

Introducing the project and presenting the implementation approach: the eENVplus Vision.

Use cases and user requirement analysis

The topic will bring the preliminary results and findings from an analysis on use cases and user requirements in the context of pilot applications.

The use cases (UC) will present different types of operational contexts to understand the role of the proposed technology when supporting different types of decision-making processes reflected in the UCs.

Moreover, the presentation concerns with the identification and analysis of the user needs/requirements according to the defined use cases, with the objective to identify the major categories of functionalities of the system that best comply with the needs of the users and their perceived requirements.

Harmonisation and Validation

Here the focus will be on harmonisation and validation toolkits. To contribute to making harmonised and validated datasets available including metadata related to the specific data themes which fall under INSPIRE Directive Annexes I-III. It will also deliver the preliminary findings of the data/metadata modelling requirements analysis.

Common Thesaurus Framework for Environment

The eENVplus effort for a federation of environmental thesauri is presented together with an analysis of the main thesauri of interest for the thematic areas addressed by the use case and the approach of developing thesaurus-based services.

eENVplus Infrastructure

The eENVplus technical architecture is presented together with the services planned within the infrastructure.

Pilot Applications

Nine pilots applications (some of which also cross-border) are planned in the context of different environmental scenarios related to air quality, water, nature conservation, geology and land-use.

An overview of these is presented, in order to establish possible networks with interested stakeholders.

Capacity Building: the eENVplus Training Framework

The eENVplus approach for sharing and transfer of knowledge will be presented, together with the eENVplus Training Framework, open to all the interested stakeholders.

Exploitation towards Thematic Communities and stakeholders involvement

eENVplus has different target groups and communities: National Environmental Authorities, Local and Regional Environmental Authorities, Thematic Environmental Communities, Private Sector and SMEs.

The workshop will offer the opportunity to discuss their interest and expectation for the project with representative of the different communities.

Tentative Workshop Instructor(s):

Giorgio Saio/Carmelo Attardo (GISIG)

Olav Peeters (VMM/IRCEL)

Giacomo Martirano (Epsilon Italia)

Monica De Martino (CNR-IMATI)

Luigi Zanella (Sinergis)
Carlo Cipolloni (ISPRA)
Bela Markus (GEO)
Jarmila Cikankova (CENIA)

Intended Audience and any Required Skills or Interests:

The intended audience for this workshop are the stakeholders dealing with geo-information and environmental services. They are: INSPIRE Community and INSPIRE Data Specifications experts, National Environmental Authorities, Local and Regional Environmental Authorities, Thematic Communities, Research, Private sector and SMEs, technology providers, and NGOs.