

INSPIRE CONFERENCE 2018  
Workshop/Seminar proposal

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#### TITLE DETAILS

Workshop title: "Training and Education in GI and EO sectors"

Workshop length: 3 hours

Workshop type: Brainstorming

Expected number participants: 40

#### WORKSHOP FACILITATOR DETAILS

Name: Giorgio Saio

#### WORKSHOP DESCRIPTION INCLUDING LEARNING OBJECTIVES

Erasmus+ is the EU's programme to support education and training in Europe in the period 2014-2020. Its aim is to contribute to the Europe 2020 strategy for growth, jobs, social equity and inclusion, as well as the aims of ET2020, the EU's strategic framework for education and training. To reach this strategic objective, some key actions have been designed within the Programme. Among those, Knowledge Alliances and Sector Skills Alliances are intended, respectively, to foster innovation in higher education, business and the broader socio-economic environment and to tackle skills gaps with regard to one or more occupational profiles in a specific sector. They do so by identifying existing or emerging sector-specific labour market needs (demand side), and by enhancing the responsiveness of initial and continuing vocational education and training (VET) systems, at all levels, to the labour market needs (supply side).

The aim of the workshop is to raise awareness on the activities and results of two cutting edge projects, giCASES and EO4GEO, promoted within the Knowledge Alliances and Sector Skills Alliances actions of the ERASMUS+ Programme, and provide the audience with hands-on examples and demonstrations on the approaches and methodologies developed within the two projects, with a strong interactive focus aimed at achieving a common shared understanding on how to foster, apply and sustain innovation in teaching and learning in the geospatial sector.

giCASES is a Knowledge Alliance aiming to enable and strengthen innovation in GI education and industry and to facilitate the collaborative creation, management and sharing of knowledge. These objectives are addressed by developing new, innovative and multidisciplinary approaches to teaching and learning within the Geographic Information (GI) sector, and by facilitating the exchange, flow and co-

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creation of knowledge. Six case studies have been identified and described to test the approach.

EO<sub>4</sub>GEO is a Sector Skills Alliance aiming to help bridging the skills gap between supply and demand of education and training in the space/geospatial sector by reinforcing the existing ecosystem and fostering the uptake and integration of space/geospatial data and services in end-user applications. EO<sub>4</sub>GEO is one of the flagship projects funded by ERASMUS+ in the framework of the "Blueprint for sectoral cooperation on skills" and is connected to the Copernicus Building Skills Action.

The objectives of the event are:

- To support the capacity building of the INSPIRE Community with educational and training opportunities, in line with the new strategic approach of the Commission
- To present and demonstrate the key-concepts of the giCASES project: collaborative and case-based learning, co-creation of knowledge and how those are applied in the six case studies of the project;
- To raise awareness on the EO<sub>4</sub>GEO sectoral skills strategy, presenting the first results and its approach on how it will be implemented through: an ontology-based Body of Knowledge for the space/geospatial sector; a series of designed curricula and a portfolio of training modules directly usable in the context of Copernicus and other relevant programmes; a series of training actions for a selected set of scenario's in three sub-sectors - integrated applications, smart cities and climate change to test and validate the approach (including: case based and collaborative learning scenarios; learning-while-doing; work-based learning; co-creation of knowledge, skills and competencies; etc.). That, in view of a long term action plan for a sustainable and systematic collaboration between the actors of the educational/training and space/geospatial sectors.
- To discuss with the audience on the replicability and sustainability of the presented approaches and strategies, and how to foster the connection with the EU policies of Digital Economy and Copernicus user up-takes initiatives, in view of the addressed long-term socio-economic impact.

The workshop will be promoted within the EO<sub>4</sub>GEO and giCASES networks and the related network of networks as well as within the Copernicus Academy Network.

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**WORKSHOP REQUIREMENTS**

*Instructions for participants: (laptop, pre-workshop preparation). Please note that any additional materials (flipcharts, post-it, pens, etc.) required for the running of the workshops should be provided by the workshop organisers.*

Standard room with ppt projector

Wifi connection available

**DETAILED WORKSHOP AGENDA**

Slot 1

- EO4GEO and giCASES: the policy framework supporting skills in EO and GI
- giCASES objectives and outlines
- giCASES methodologies for the co-creation of knowledge
- The case-based approach to teaching and learning
- Hands-on demonstration on the developed case-studies

Round table

Slot 2

- A new strategic approach (Blueprint) to sectoral cooperation on skills
- EO4GEO objectives and outlines
- EO4GEO perspective in the context of the Copernicus Academy Network
- Result of the supply/demand survey for GI and EO
- Development of the Body of Knowledge for GI and EO (demonstration)

Round table and conclusions