SPACE4GEO LSP

on Space Data, Services and Applications

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A bit of background

EO4GEO - Towards an innovative strategy for skills development and capacity building in the space geo-information sector supporting Copernicus User Uptake

Erasmus+ project, promoted by GISIG/KU Leuven, in collaboration with Salzburg University (PLUS) within:

- Sector Skills Alliances for implementing a new strategic approach ("Blueprint ") to sectoral cooperation on skills (sectoral skills strategy)
- Sector «Space geo-information» out of five pilot sectors in the «Blueprint for sectoral cooperation on skills»
- Sector Skill Alliance shall cover a coherent and comprehensive set of activities and outputs as relevant for the sector concerned, supporting the definition of sectoral strategy for skills development and its implementation through a detailed Long-term Action Plan.

**Duration:** 4 years from January the 1st, 2018 (+ extension 6 months, up to June 30th, 2022)

**Partnership:**
25 organisations + > 50 Associated (from 22 countries), from Academia, Companies and networks, many of them Members of the Copernicus Academy Network
EO4GEO outcomes: A portfolio of products and services

EO4GEO BoK
- EO4GEO BoK platform
  - EO4GEO BoK online storage
  - EO4GEO BoK domain
  - BoK API/Service
  - EO4GEO BoK Visualization and Search (Find in BoK Tool)

EO4GEO BoK Tools
- Occupational Profile Tool (OPT)
- Job Offer Tool (JOT)
- Curriculum Design Tool (CDT)
- Bok Annotation Tool (BAT)
- Bok Matching Tool (BMT)
- Living Text Book (LTB)

Network of networks / sector skills alliance
- Mobility program
- Communication tools
- EO4GEO Watch
- Educational offers

EO4GEO Training Framework
- Training material catalogue
- EO toolsetLearning platform
- Training materials
- Training actions
The EO4GEO Alliance was established (www.eo4geo.eu) in 2022 by the core project partners and other interested stakeholders – Governance based on a Network Agreement – Objectives defined in Sector Skills Strategy

Evolved towards the new Large Scale Partnership on Space Data, Services and Applications – SPACE4GEO, with official launch on April 25th.

Complementary with the existing LSP on Aerospace and Defence, the Digital LSP and those LSPs representing the other vertical sectors, – E.g. agriculture, automotive, tourism, health, insurance and finance, ...
• To raise awareness and attract talents to the downstream Space segment.

• Draft a Sector Skills Strategy and Long-term Action Plan embracing not only EO but the full downstream ecosystem, including Positioning, Navigation & Timing, Sat Com, etc.

• Space4GEO has currently around 50 members from 14 EU countries
  – Public Agencies, Academia, VET providers, companies, sectoral associations

• Open to all key stakeholders in the space downstream sector
## Objectives of the Partnership

### According to the Sectoral Skills Strategy

<table>
<thead>
<tr>
<th>STRATEGIC OBJECTIVES</th>
<th>OPERATIONAL OBJECTIVES</th>
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<tbody>
<tr>
<td>Understand evolving needs</td>
<td>To monitor the evolution of supply of and demand for education and training on a regular basis</td>
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<td>Harmonized curricula &amp; user support</td>
<td>To establish a trends watch system that alerts the community on emerging developments (e.g., technological, policy, economic, societal)</td>
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<td>Engagement citizen</td>
<td>To assess supply and demand at regular intervals with the view to draw recommendations for the stakeholders of the sector</td>
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<td>Skills development in business sector &amp; value chains</td>
<td>To design and regularly update a series of curricula and training materials, notably for added-value services and applications, covering different occupational profiles, and make them accessible to all stakeholders through a one-stop portal</td>
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<td>Reinforce cooperation</td>
<td>To establish and operationalize a certification and accreditation mechanism for the training offered</td>
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**GOALS**

- market intelligence
- mapping of skills needs
- ESCO coordinated effort
- curricula design & training offer
- inspiring & innovative context
- political commitment
- strategic collaboration
- Awareness engagement

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**Contact:**

space4geo

**Empowering space data users**

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**Facilitate and stimulate a more integrated approach on skills development across different value chains**

- Encourage citizens’ engagement, citizens’ science practices and hands on activities enhancing the inclusion/recognition of EO/GI applications value in everyday aspects of life
- To promote and outreach to ‘end-user’ communities and to engage citizens through various events, especially at the local level, on job opportunities, internships and apprenticeships, roadshows
- To provide a platform/forum for collecting and testing ideas from ‘end-user’ communities
- To increase efforts to develop skills and stimulate innovation and entrepreneurship, to foster an attractive work environment.

**Reinforce cooperation among stakeholders from the academic, private and public sector on skills development and requirements**

- To create a Body of Knowledge (BoK) for EO/GI operational, feed it with the results of the Technology Trends Watch and link it with other relevant BoKs, vocabularies and ontologies
- To improve the uptake of EO/GI data and technologies through the upskilling and reskilling of professionals
- To foster industry forums with other business sectors where skills development and transfer are considered (including digital skills, big data and analytics)
- To animate and enhance a network of network approach and avoid fragmentation negative-side effects, bringing together stakeholders and user communities
General Commitments

- Ensure continuous exchange and cooperation among stakeholders on skills development and requirements
- Establish a shared understanding of the skills needs and capacity requirements to achieve the high-level vision of a successful space downstream and geoinformation sector
- Bridge the skills gaps and mismatches and achieve an improved user uptake of space data, services and applications
Specific commitments

• To monitor the occupational supply and demand to **identify the skills and competences required** and provide feedback on the evolving sector needs.

• To help and **guide candidate learners** in their skilling, upskilling and reskilling efforts, supporting them to access quality training.

• To facilitate and stimulate a more integrated and inclusive approach on **skills development across different value chains** (vertical sectors), at different levels, including local and regional level.

• To encourage **citizens’ engagement**, citizens’ science practices, recognizing the space & geoinformation applications' value in everyday aspects of life, and **attracting new talents** for emerging professions

The Work Plan with concrete actions and **target KPIs** is currently under definition among the members.
Collaborations

- UNIVERSEH (participation in stakeholders consultation)
- ASTRAIOS (participation in the AB)
- Stars*EU (connection through key partners, sharing info on current educational offer)
- Digital LSP (reciprocal awareness raising and dissemination actions towards members)
- Other with key stakeholders (i.e. OGC Academia)
THANK YOU!

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