

EO4GEO

The Space/Geospatial Sector Skills Alliance

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

Key Figures

- **Duration:** 4 years from January the 1st, 2018
- **Budget:** 3,87 million € (funded by ERASMUS+)
- **Partnership:** 25 Partners + 30+ Associated Partners (from 16 EU Countries) from Academia, Companies and networks
- **Coordinators:** GISIG (General), KU Leuven (Scientific & Technological), PLUS (Education & Training), Climate-KIC (Exploitation)



Blueprint for Sectoral Cooperation on Skills

The aim is:

- to improve the quality and relevance of training and other ways of acquiring skills
- to make skills more visible and comparable, to enable people make better career choices, find quality jobs and improve their life chances

ERASMUS+ Sector Skills Alliances aim to tackle skills gaps with regard to one or more occupational profiles in a specific sector through a coherent and comprehensive set of activities and outputs as relevant for the sector concerned.

Examples of other sectors funded under this schema:
automotive, maritime, tourism, constructions, defence

Sector «**Space Data (geo-information)**» is among the first six pilot sectors in the «**Blueprint for sectoral cooperation on skills**» and is linked to the **Copernicus Building Skills Action**, aiming to:

- increase the number of people able to access and use Copernicus data and information (basic users and/or advanced/innovative users of Copernicus)
- increase the supply of skills to stimulate the growth of geospatial-related jobs in Europe

This directly supports and contributes to the implementation of the **Space Strategy for Europe** (COM(2016)).



What is needed for the Blueprint?

- ✓ gathering skills intelligence on the sector, detail major trends, develop a sound **replicable methodology to analyse gaps and mismatches** and monitor evolution of demand and supply of skills by **occupation** (profession)
- ✓ develop European **‘core’ occupational profiles** and related **curricula**, including work-based learning and work placement abroad
- ✓ promote relevant sectoral **qualifications and certifications** and their recognition
- ✓ **identify actors**: policy makers, businesses, trade unions, education and training providers, etc. so that the developed European ‘core’ curricula are integrated in national systems

“Skills Intelligence”: “a comprehensive and user friendly information, data, facts, analysis and interpretation about the past, present or future skill needs in occupations and sectors”

- ✓ Identifying the **supply of GI and EO education and training** at the academic and vocational levels
- ✓ Identifying the **current demand for GI and EO skills** and occupational profiles
- ✓ Analysing **trends, challenges and opportunities** in the GI and EO sector: setting - up a technology and non - technology watch
- ✓ Assessing the **skills shortages, gaps and mismatches** between supply and (future) demand
- ✓ Defining a **GI and EO sector skills strategy** for skills development

From Vision to Action

The **VISION** of the **Sector Skills Strategy** is to foster the growth of the European EO/GI sector ensuring a workforce with the **right skills, in the right place, at the right time.**

The **MISSION** of the **Sector Skills Strategy** is to ensure the strategic cooperation among stakeholders on skills development in the EO/GI sector (Sector Skills Alliance).



- An ontology-based **Body of Knowledge** for the space/geospatial sector (extending the existing GI BoK with EO/Copernicus concepts);
- A set of BoK-based **innovative tools** (curricula/job profile design, new learning tools,...)
- A **series of curricula** and a portfolio of **training modules** directly usable in the context of Copernicus and other relevant programs
- A series of **learning actions** for a selected set of scenario's in the three sub-sectors - integrated applications, smart cities and climate change to test and validate the approach
- A **Long-term Action Plan** to be endorsed to roll-out and sustain the proposed solutions

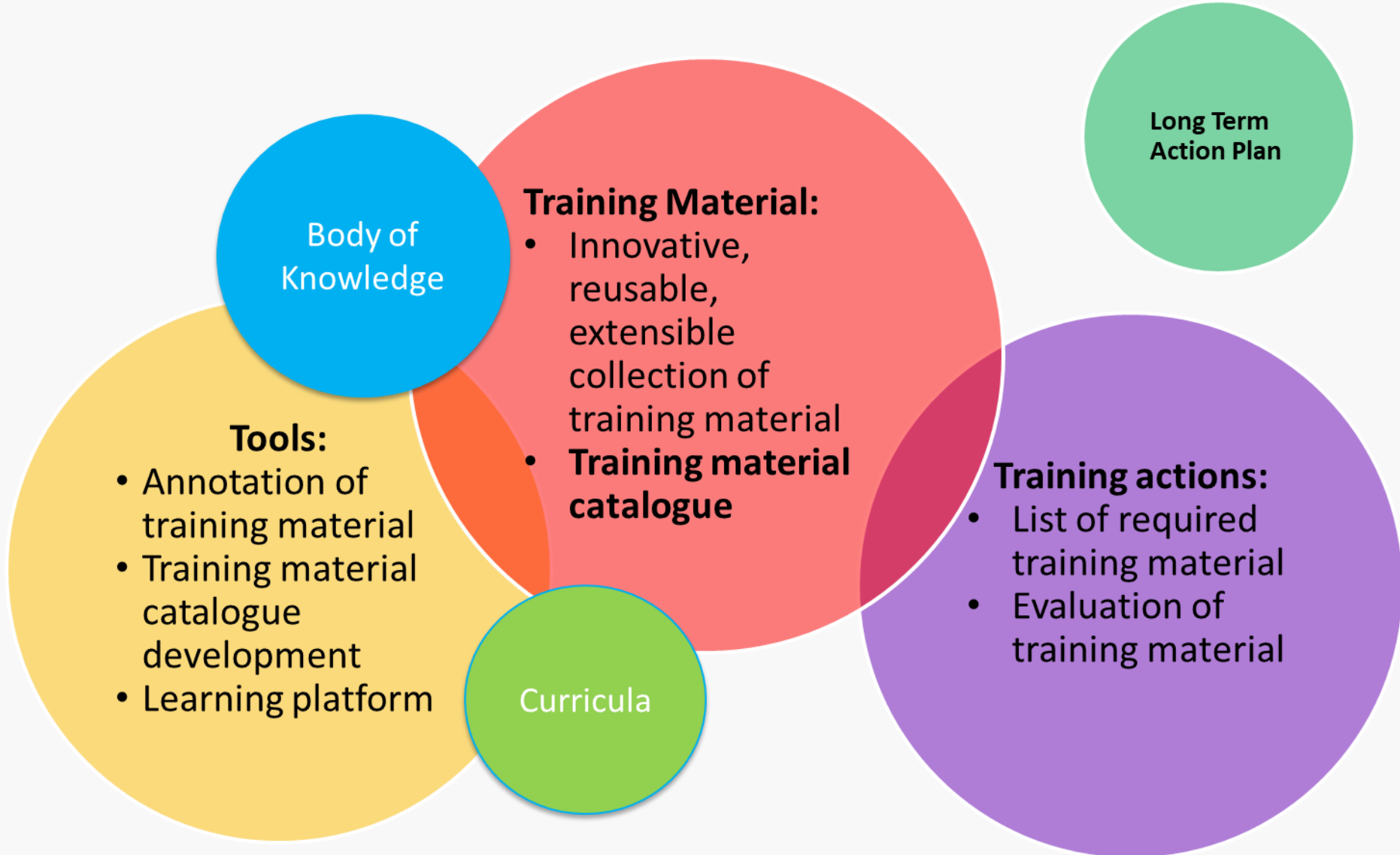
Body of Knowledge: collection of interlinked concepts, methods in the EO*GI sector

Business processes: identification of tasks and occupational profiles in the EO*GI sector

... utilizing concepts & tools for sector-specific curricula design and innovative trainings in user-centric application scenarios

Tools: occupational profile tool, curriculum design tool, BoK matching tool

Curricula: teaching content covering vocational training and academic education



– Preparation of a Long-Term Action Plan (LTAP)

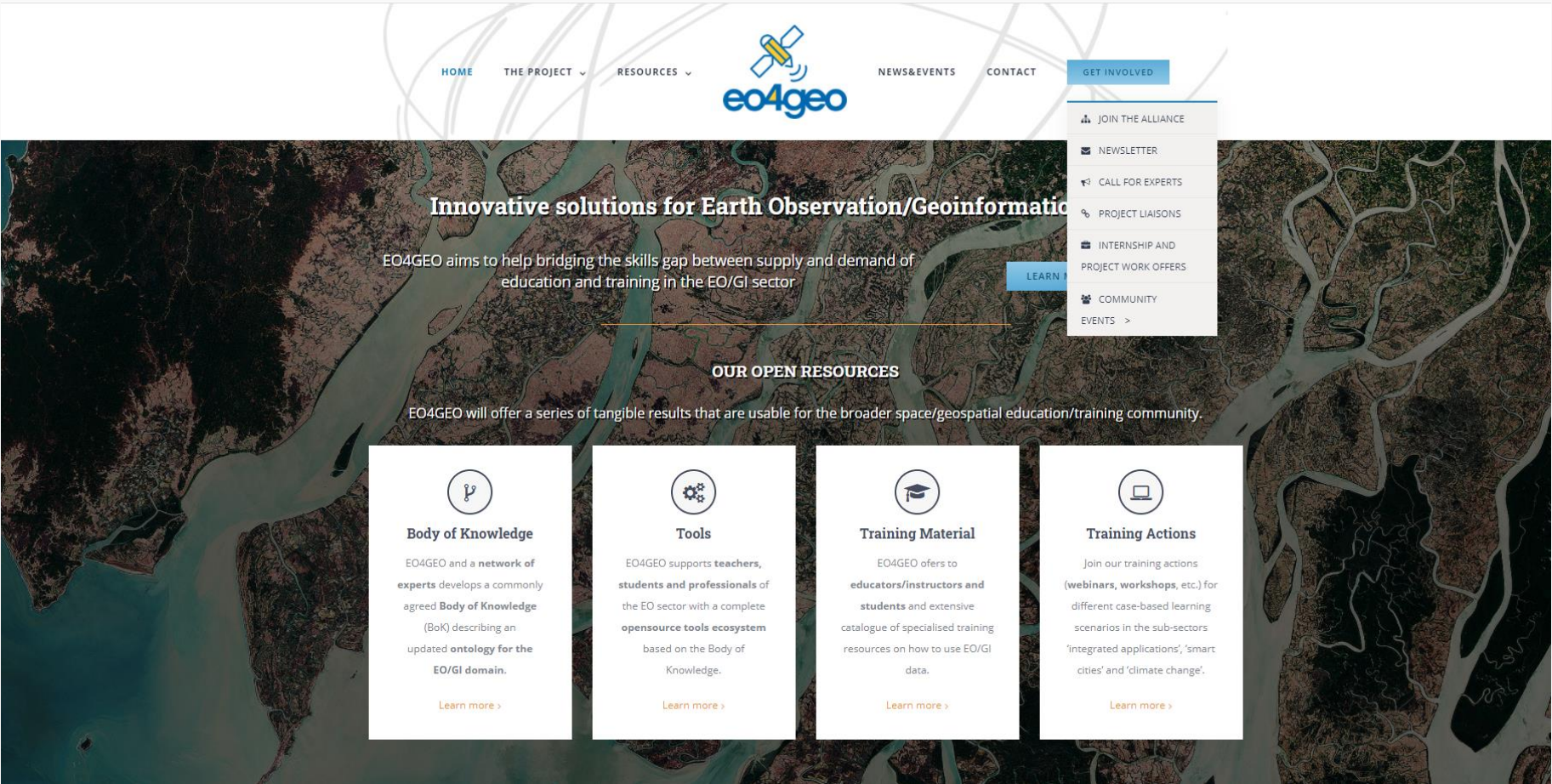
1. Governance, business model/plan, mainstreaming and maintenance strategy
2. Prepare the integrated LTAP
3. Prepare a final conference in Autumn 2021



– Dissemination of results and building the Network-of-Networks

1. Newsletters, website (access to materials), events ...
2. Papers and other publications
3. Broadening the Alliance through:
 - Awareness
 - Attraction
 - Engagement





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Innovative solutions for Earth Observation/Geoinformation

EO4GEO aims to help bridging the skills gap between supply and demand of education and training in the EO/GI sector

OUR OPEN RESOURCES

EO4GEO will offer a series of tangible results that are usable for the broader space/geospatial education/training community.

- Body of Knowledge**
EO4GEO and a network of experts develops a commonly agreed **Body of Knowledge (BoK)** describing an updated **ontology for the EO/GI domain**.
[Learn more >](#)
- Tools**
EO4GEO supports **teachers, students and professionals** of the EO sector with a complete **opensource tools ecosystem** based on the Body of Knowledge.
[Learn more >](#)
- Training Material**
EO4GEO offers to **educators/instructors and students** and extensive catalogue of specialised training resources on how to use EO/GI data.
[Learn more >](#)
- Training Actions**
Join our training actions (**webinars, workshops, etc.**) for different case-based learning scenarios in the sub-sectors 'integrated applications', 'smart cities' and 'climate change'.
[Learn more >](#)

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