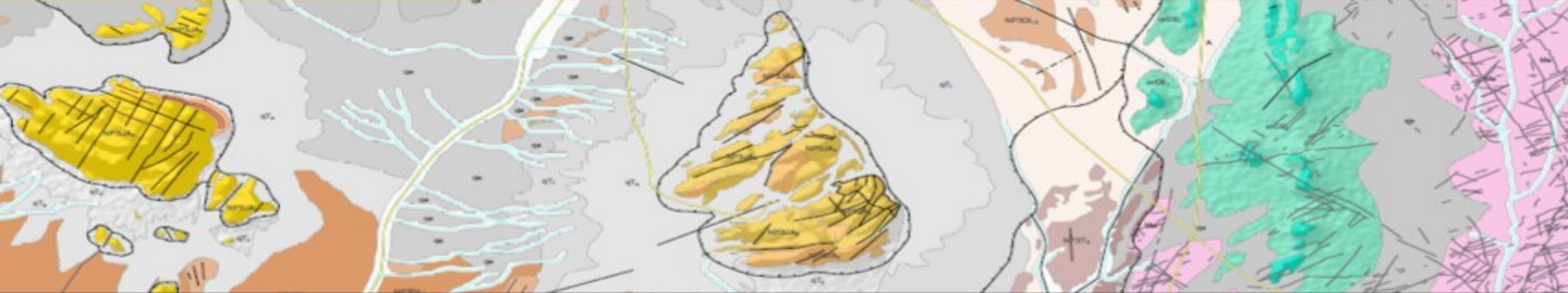# SPACE4GEO LSP

on Space Data, Services and Applications

Gabriella Povero - Fondazione LINKS

Milva Carbonaro - GISIG

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:
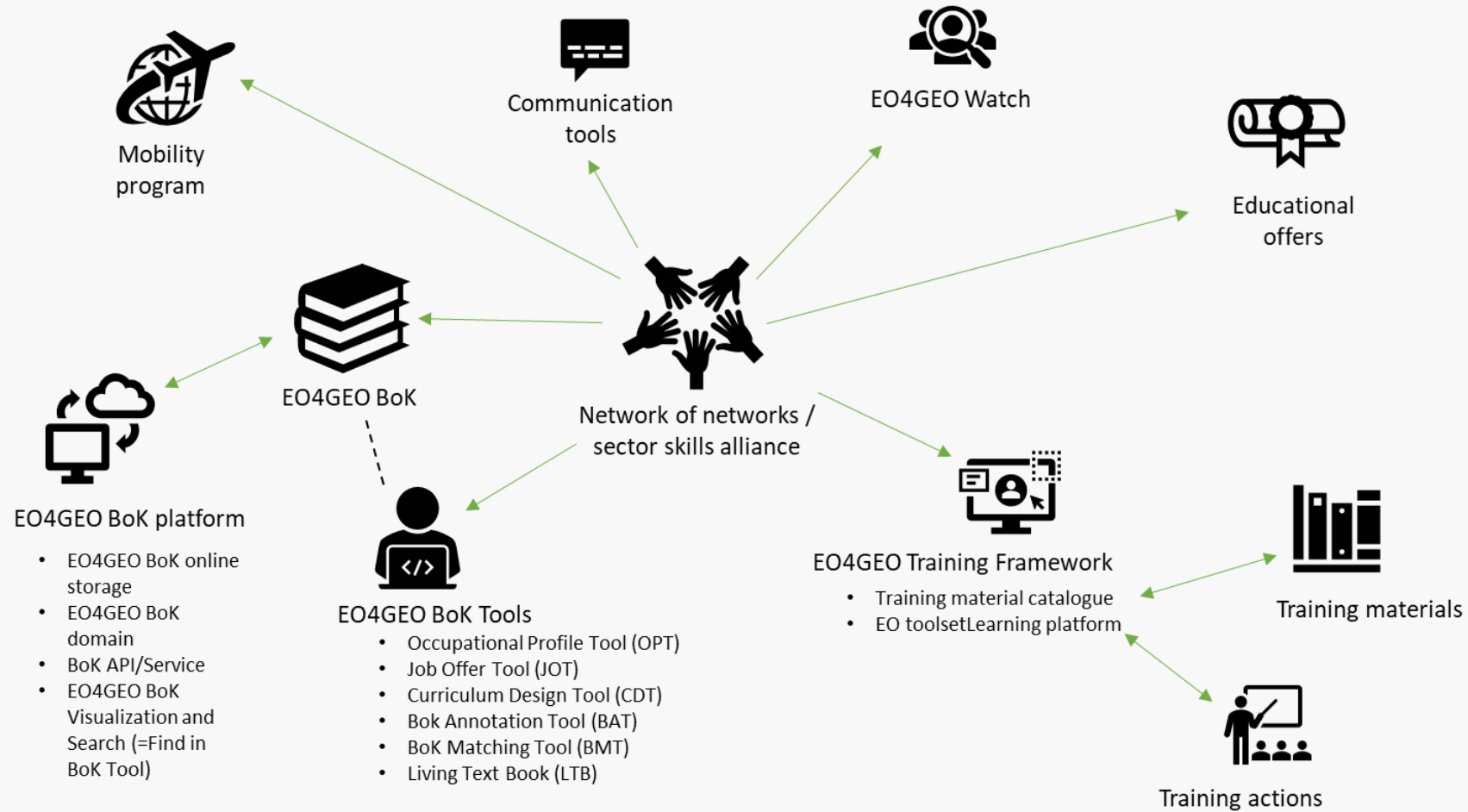
- Sector Skills Alliances for implementing a new strategic approach ("**Blueprint** ") to sectoral cooperation on skills (sectoral skills strategy)

- 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

Mobility program

Communication tools

EO4GEO Watch

Educational offers

EO4GEO BoK

Network of networks / sector skills alliance

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)

EO4GEO Training Framework
- Training material catalogue
- EO toolsetLearning platform

Training materials

Training actions

From EO4GEO Alliance to SPACE4GEO LSP: the evolution

- 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, ...

SPACE4GEO LSP goals
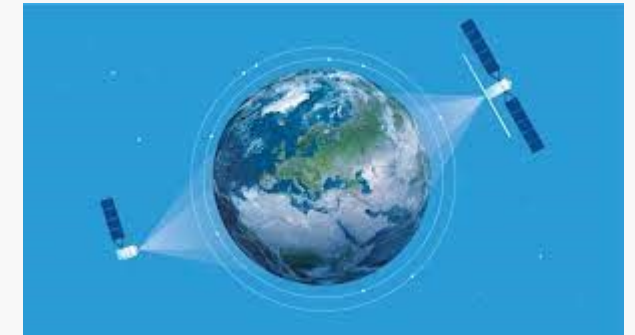
- To **raise awareness and attract talents** to the downstream Space segment.

- 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

SPACE4GEO PARTNERS

coordinator

Objectives of the Partnership

According to the Sectoral Skills Strategy

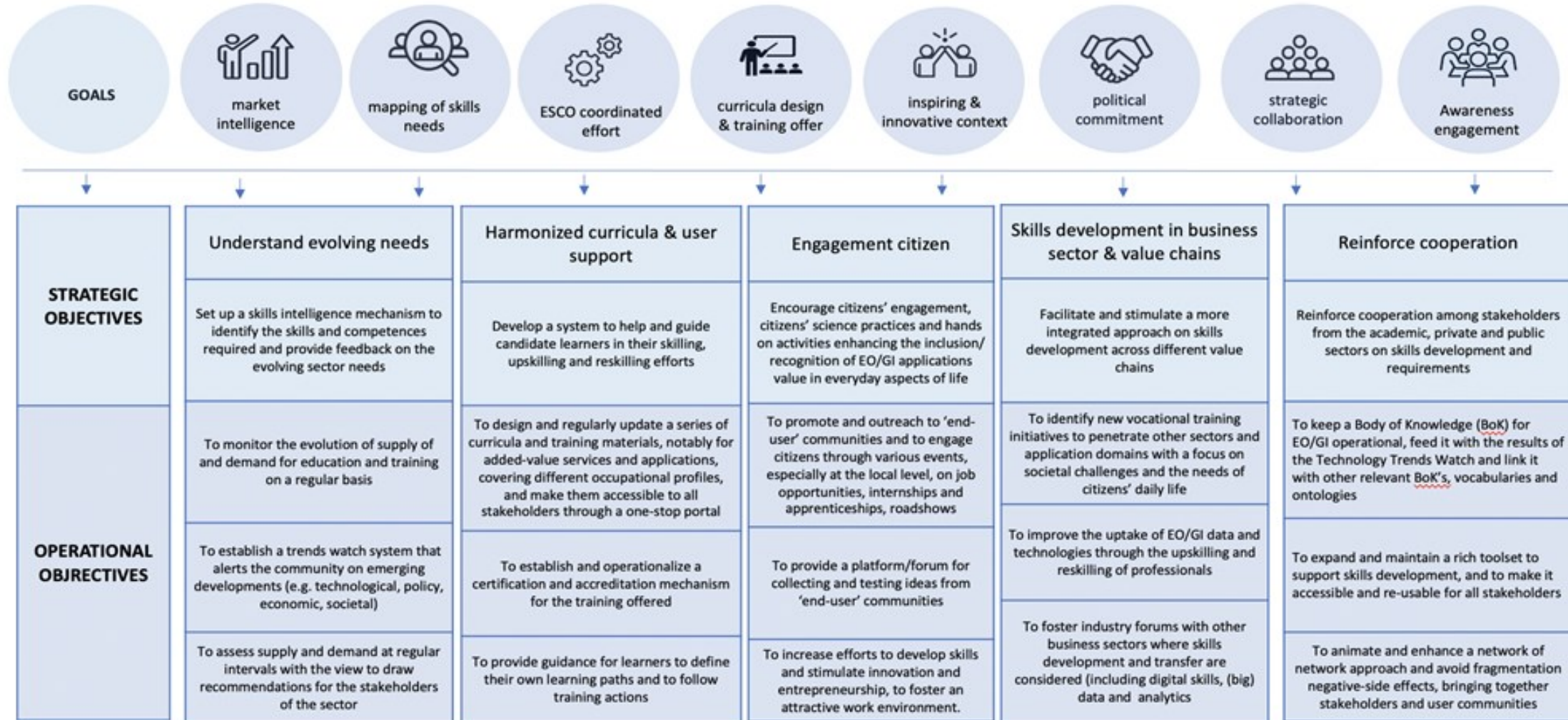| GOALS	market intelligence	mapping of skills needs	ESCO coordinated effort	curricula design & training offer	inspiring & innovative context	political commitment	strategic collaboration	Awareness engagement
	Understand evolving needs	**Harmonized curricula & user support**		**Engagement citizen**		**Skills development in business sector & value chains**		**Reinforce cooperation**
STRATEGIC OBJECTIVES	Set up a skills intelligence mechanism to identify the skills and competences required and provide feedback on the evolving sector needs	Develop a system to help and guide candidate learners in their skilling, upskilling and reskilling efforts		Encourage citizens' engagement, citizens' science practices and hands on activities enhancing the inclusion/ recognition of EO/GI applications value in everyday aspects of life		Facilitate and stimulate a more integrated approach on skills development across different value chains		Reinforce cooperation among stakeholders from the academic, private and public sectors on skills development and requirements
OPERATIONAL OBJRECTIVES	To monitor the evolution of supply of and demand for education and training on a regular basis	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		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 identify new vocational training initiatives to penetrate other sectors and application domains with a focus on societal challenges and the needs of citizens' daily life		To keep 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 BoK's, vocabularies and ontologies
	To establish a trends watch system that alerts the community on emerging developments (e.g. technological, policy, economic, societal)	To establish and operationalize a certification and accreditation mechanism for the training offered		To provide a platform/forum for collecting and testing ideas from 'end-user' communities		To improve the uptake of EO/GI data and technologies through the upskilling and reskilling of professionals		To expand and maintain a rich toolset to support skills development, and to make it accessible and re-usable for all stakeholders
	To assess supply and demand at regular intervals with the view to draw recommendations for the stakeholders of the sector	To provide guidance for learners to define their own learning paths and to follow training actions		To increase efforts to develop skills and stimulate innovation and entrepreneurship, to foster an attractive work environment.		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
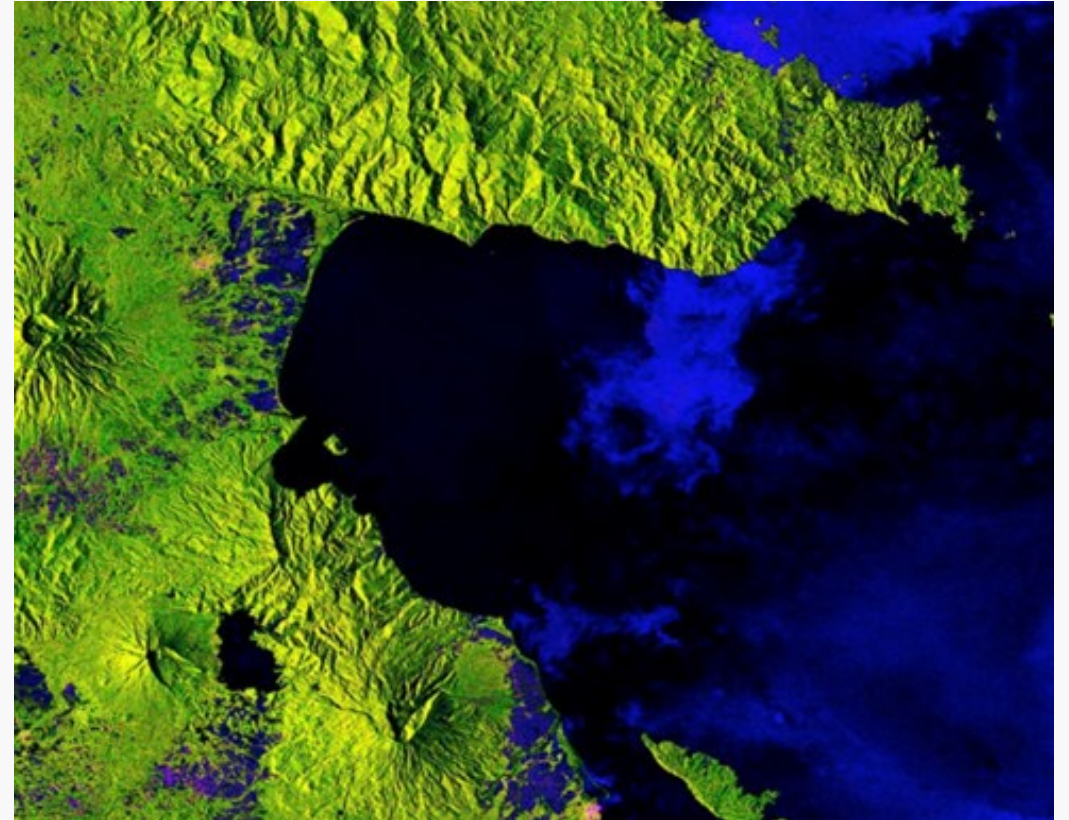

Mount Mayon, Philippines
Copernicus Sentinel-1 data (2018)

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)
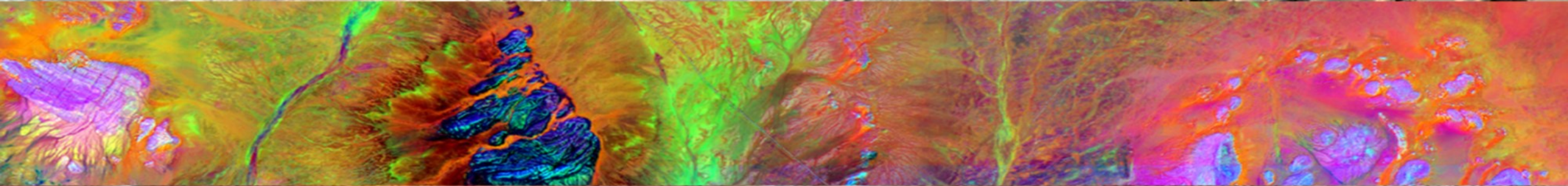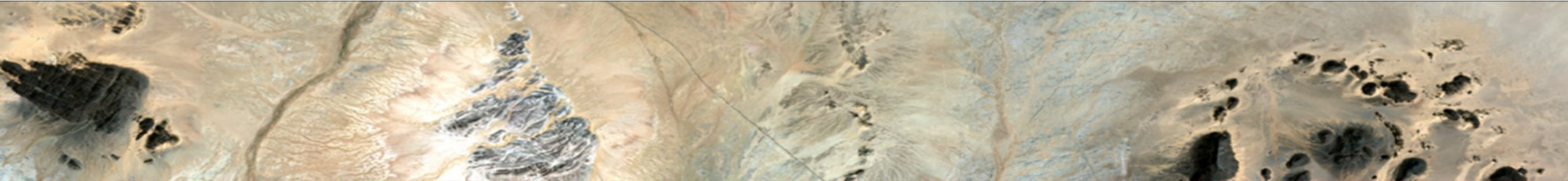
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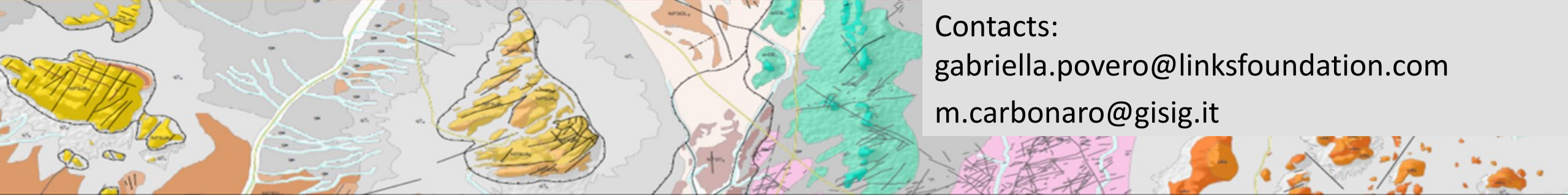
Contacts:

gabriella.povero@linksfoundation.com

m.carbonaro@gisig.it