

## Proposal for workshops – AGILE 2025

Dresden, Tuesday 10 June 2025

<https://agile-online.org/conference-2025>

### 1. Workshop name/title (and acronym is applicable)

**EDUCATION CONNECTIONS FOR TOMORROW** – Matching educational offers and demand with the GEO Body of Knowledge

### 2. Description of the workshop by listing topic(s), objective(s) and planned outcome(s)

#### 2.1 Topic(s)

- Education needs in Geoinformation science and technology
- Body of Knowledge
- Tagging and matching of course content

#### 2.2 Objective(s)

- Bring together educators to discuss and review approaches for matching education offers in Geoinformation science and technology and related domains
- Introduce SpaceSUITE project tools for annotating education offers, job offers and personal skill portfolios with standardised Geo concepts
- Match course content and create simple learning paths
- Discuss the needs for education content in Geoinformation science and technology
- Formulate a good practice for sharing course content and creating course connections

#### 2.3 Planned outcome(s)

*An outcome can be e.g., the publication of a report, a special issue of an International Journal, a white paper, a book, etc. If you already know the publisher, please provide this information as well. The workshop can also be a hands-on tutorial in which the participants are taught a new method or software relevant to one of the conference topics.*

The workshop is expected to generate exemplary descriptions of courses offered by the participants and the potential learning paths connecting these courses. This information is likely to get integrated into the SpaceSUITE training catalogue. A report will document the

presented workshop content with links to the tools and presentations and capture the outcomes of the workshop discussion.

### 3. Abstract

*This is how you want your workshop to be presented on the conference webpages (maximum 1000 characters)*

This workshop will bring together educators to discuss and review approaches for matching education offers in Geoinformation science and technology and related domains. Workshop participants will be provided with hands-on tools for matching their course content with each other and with existing courses in order to experiment with simple learning paths, and see how the course content fits personal skill portfolios.

In the workshop we will also show the status of our ongoing research on charting skill gaps in the geo and space sector and the role of knowledge mapping and auto-tagging. In relation with this, we will discuss good practices for annotating education offers, job offers and personal profiles with standardised Geo concepts from the GEO Body of Knowledge (GEO BoK).

The [GEO BoK](#) is the European Body of Knowledge combining the fields of Earth Observation, Geographic Information, Satellite navigation and Satellite communication. It forms an ontology with the foundational knowledge of these areas, which serves as an open reference for a wide range of applications, such as knowledge and skill annotation, job profile specification and curriculum development. The importance of developing new skills based on standardised concepts is endorsed by the European Community, with the [SPACE4GEO](#) Large-scale Skills Partnership as forerunner.

The BoK is ultimately open, and through the [SpaceSUITE](#) platform, it can be used as a reference for any application.

### 4. Short description of the intended length (half or full day) and the format of the workshop

Half day, with: 1. invited presentations, 2. hands-on with set of tools and 3. group discussion.

### 5. Brief statement of the relevance of the workshop for AGILE

AGILE being a forum for geographic information researchers and educators to meet and exchange ideas, has a role in providing up to date information on our educational landscape and providing the means to improve it. The workshop will offer ways for AGILE members to engage in this discussion, value their own educational efforts and move forward. The workshop will also create the opportunity for AGILE as an association to be visible in the

European community of skills developers, through the wider program in which the SpaceSUITE project and SPACE4GEO community are active. This even goes a bit further than the current content topical focus within AGILE, by adding topics within Earth Observation and the Space domain. With respect to the conference theme of “Geographic Information Science responding to Global Challenges”, we see that such challenges are more often multi-disciplinary. A system with which education can be better matched, is instrumental for up-skilling and re-skilling our workforce for such purposes and in supporting the needed personal skill portfolios.

**6. What is the approximate number of expected participants?**

20

**7. Names and e-mail addresses of the organizing member(s)**

*Leading AGILE member (or sponsor) and contact person:*

- University of Twente (ITC): Rob Lemmens, Stan Ronzhin  
Email: [r.l.g.lemmens@utwente.nl](mailto:r.l.g.lemmens@utwente.nl)

*Contributing AGILE members (including the persons involved) – at least one seconding AGILE member is needed:*

- Universitat Jaume I (UJI): Sven Casteleyn, Carlos Granell
- Z\_GIS, Paris Lodron Universität Salzburg (PLUS): Barbara Scherthanner-Hofer, Bruno Menini Matosak

*Contributing non-AGILE members (including the persons involved) – if applicable:*

*Organizing Committee (if applicable):*

*Programme Committee (if applicable):*

**8. Additional information about previous workshops, if held.**

In previous workshops at AGILE 2023 and AGILE 2024, earlier stages of the GEO Body of Knowledge were used to involve participants with BoK content creation and using it for personal and institutional profiles (<https://www.itc.nl/agilefootprints/>; work that is still ongoing). In the currently proposed workshop, we take a next step to engage the BoK and newly developed tools for advancing developments in education.

## 9. Expected resources needed

*Explain here if you have any special needs (e.g. internet connection, break-out room(s), etc.), what are the expected resources needed. Please take into account that the fixed fee for the workshop (1 day) only covers the basic expenses made (coffee breaks, ...). If you need additional support, this request should be directed towards the AGILE Council, but this support cannot be guaranteed.*

Large presentation screen, internet connection. Participants use their own tablet/laptop for hands-on use of the tools.

## 10. Other information

A workshop website will be created with background information and all information needed for workshop participation.

Submission by e-mail to: [agile2025@tu-dresden.de](mailto:agile2025@tu-dresden.de)