

Proposal for workshops – AGILE 2024

Glasgow, Tuesday 4 June 2024

<https://agile-online.org/conference-2024>

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

Education and training for a new generation of geospatial scientists

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

2.1 Topic(s)

GIScientist – what are the skills needed
GIScience Educators – what skills are needed
GIScience Education – what are the challenges?

2.2 Objective(s)

Bring together educators to share experience and critical analysis, and to collaborate as an innovative GIScience education community.

2.3 Planned outcome(s)

A journal article and online post.

3. Abstract

The COVID-19 pandemic forced educational institutes to rethink their education as societal expectations about education has changed. Then came new AI technologies which permeated our education via chat bots, enhancing our programming and computing capabilities but also changing the nature of work. With 2023 reported to be the hottest year on record, climate change is expected the single biggest health threat facing humanity. Is GIS education keeping up?

We are facing a planetary crisis where efforts are needed to transform the communities we live in. As societies go through a technological shift where digitalization of everything we do is linked with geographic information at some level how do we prepare ourselves and our

students for the future of GIScience as it transforms from a niche-based discipline to one that is ubiquitous with the massification of maps.

- Do we need to rethink what we should be teaching in the GISciences so that we can lower barriers of entry across disciplines?
- What should we be teaching to enable inter- and cross-disciplinary geospatial education to foster sustainable solutions for the future?
- Should GIScience be essential for all students?
- How should we be designing our curricula?
- What geospatial competencies should be addressed?
- What are the challenges?
- What resources and skills are needed?
- How is AI affecting the GI Skills you are teaching?

Join us and be ready to discuss and participate.

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

Half day

Short talks and interactive discussions

- Speakers TBD – themes will be centered around the topics listed above, and a Call for Presentations will be published ASAP.

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

GIScience education for a sustainable future

6. What is the approximate number of expected participants?

15-30

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

*Leading AGILE member (or sponsor) and contact person: **Justine Blanford (ITC Univ Twente)***

*Contributing AGILE members (including the persons involved) – at least one seconding AGILE member is needed: **Mike Gould (U. Jaume I, Spain)***

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.

- Workshop: Geospatial Education Session. **Geospatial Education 5.0: New Paradigms for Geospatial Training and Education**. Blanford, J.I., Gould, M., Strobl, J., KeBler, C., Remke, A., Rienow, A., Hodam, H., Przybylak, F., Cannatella, D., Forgaci, C., Wandl, A. AGILE, Delft, June 13 2023
- Workshop: Geospatial Education – **Transitioning from emergency online to a new normal**. Blanford, J.I., Gould, M., Strobl, J. AGILE, Lithuania. June 14-17, 2022
- Workshop: Geospatial Education – teaching through a pandemic and beyond Workshop. Blanford, J.I., De Sabbata, S., Gould, M., Gidudu, A., Tate, N., Toppen, F., Strobl, J., Unwin, D. AGILE Conference, Greece. June 8, 2021

9. Expected resources needed

Internet connection, powerpoint

10. Other information

Submission by e-mail to:

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