Proposal for workshops – AGILE 2025

Dresden, Tuesday 10 June 2025

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

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

> Tutorial: State of the art in Esri's AI solutions

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

2.1 Topic(s)

> Machine learning in ArcGIS, Deep learning, GeoAI, GenAI assistants

2.2 Objective(s)

> Tutorial and Q&A on the latest in AI solutions inside ArcGIS. What is available, how to access it on the desktop, notebooks, etc., and possibilities for collaboration. Also a sampling of use cases from Esri customers around the world.

2.3 Planned outcome(s)

> *This workshop is a tutorial and a chance for attendees to ask questions to Esri AI specialist instructor about what is possible, advised, and what Esri customers are doing with AI these days. A possible outcome is a focused list of questions and topics that should be covered later in a more in-depth "summer school" format.*

3. Abstract

> *This tutorial workshop provides a detailed look into the current AI solutions available in the ArcGIS system and accessible from desktops, python notebooks, and online. Topics included include Machine Learning inside ArcGIS Pro, Deep Learning trained models and "from scratch" workflows, and new generative AI assistants to help users with workflows. Also a sampling of Esri customer use cases, and Q&A opportunities during the session. Feedback will go into the planning of a longer "summer school" format event.*

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

Half day. Primarily demonstration/tutorial and Q&A, with all materials and data provided to attendees so they can follow-up from home.

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

Most AGILE member institutions use both Esri and other software for research and teaching. This workshop will provide information on the integration of both worlds, to achieve "best of" solutions.

6. What is the approximate number of expected participants?

20 but more can be accommodated

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

Leading AGILE member (or sponsor) and contact person: Michael Gould, UJI and Esri.

Contributing AGILE members (including the persons involved) – at least one seconding AGILE member is needed: Serena Coetzee, UNU-FLORES

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.

A more general workshop on this topic was offered in AGILE in Delft, and the reviews were very positive.

9. Expected resources needed

A computer lab would be ideal, but attendees could also follow along using their laptops if they are prepared ahead of time.

10. Other information

Submission by e-mail to: