

Proposal for workshops – AGILE 2024

Glasgow, Tuesday 4 June 2024

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

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

AGILE Footprints - Knowledge mapping of people and publications

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

2.1 Topic(s)

This workshop will focus on the creation and use of knowledge footprints (aka knowledge maps) of scientific publications and of organisational and personal expertise.

These footprints can be used for representing, sharing and promoting scientific and professional capabilities. Standardisation is done through annotating publications and documents with concepts from the EO4GEO Body of Knowledge (BoK).

The EO4GEO Body of Knowledge (BoK) (<http://www.eo4geo.eu/bok/>) is currently maintained by the SPACE4GEO Alliance (<https://www.space4geo.eu/>) as a reference ontology for the domain of geo-information and earth observation.

This workshop builds upon the result of a tutorial held at the AGILE 2023 conference (<https://www.itc.nl/agilefootprints/>) and the support by the AGILE community to develop footprints. The method on creating footprints is currently being developed in a collaboration between two AGILE member organisations (ITC and UJI). In this workshop, participants will see the current status of this research and they will learn how to make, validate and use footprints.

2.2 Objective(s)

To introduce participants to the methodology of using knowledge maps, the EO4GEO Body of Knowledge (BoK) is demonstrated. In the workshop we will show and discuss the wide range of BoK-related applications, enabling and enhancing spatial-visual-conceptual navigation and learning from BoK content. The participants will learn to use existing concepts to annotate documents that represent their organisation and to annotate their own publications. The workshop seeks for a way to use this information for promoting expertise of AGILE members. The working of the footprints will be also tested in a few paper sessions at the AGILE 2024 conference.

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.

Planned outcome: Proof of concept of the footprint development and as result, some example footprints of participants, their expertise and/or some of their publications, along with different visualizations. In the likely case that these are AGILE members, this information can be used to create small representations on the AGILE website to promote AGILE's member expertise. The outcome of the workshop will be also used as input to the ongoing research on footprints.

3. Abstract

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

In this workshop you will learn how to create knowledge footprints (aka knowledge maps) for your organisation and publications by using annotations with concepts from the EO4GEO Body of Knowledge. These footprints can be published online and used for representing, sharing and promoting scientific and professional capabilities.

In the workshop we will also show you the status of our ongoing research on knowledge footprints and will discuss how we plan to share this information across the AGILE research community and how automation can be involved.

The [EO4GEO BoK](#) is the European Body of Knowledge combining the fields of Earth Observation and Geographic Information. 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 BoK is ultimately open, and through the EO4GEO 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

The workshop will gather expertise information, with which the workshop organisers will make an effort to publish AGILE knowledge footprints at the AGILE website. It is meant to be a pilot for a potentially wider use by more members to promote AGILE as a whole. During the AGILE 2023 conference, the concept of footprints has been introduced to the AGILE member community and was well received.

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
Email: 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

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.

An initial tutorial on this topic was held at the AGILE 2023 conference, see <https://www.itc.nl/agilefootprints/>. Since then, the work was continued and now it is time to show new results and follow-up on this initiative.

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.

Internet connection, participants use their own tablet/laptop.

10. Other information

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

Submission by e-mail to:

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Or Dr John Xiaogang Shi: John.Shi@glasgow.ac.uk