

Proposal for workshops – AGILE 2024

Glasgow, Tuesday 4 June 2024

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

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

Mapping with EuroRegionalMap Open Data and QGIS

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

2.1 Topic(s)

In this tutorial workshop, we teach participants the principles of proper cartographic styling in an Open Source GIS (QGIS) and help them develop a workflow for using the Open Data *EuroRegionalMap*. Topics covered will include:

- Introduction to EuroGeographics 'Open Data for Europe', specifically the OpenRegionalMap
- Use of this data through webservices (WFS, WMS, WMTS) and file download
- Introduction to QGIS cartographic styling tools
- Using QGIS for scale-dependent filtering and automated flexible styling
- Application of proper cartographic visualisation for various use-cases

2.2 Objective(s)

The objective is to provide the participants with :

- Awareness of the EuroGeographics 'Open Data for Europe'
- Skills in accessing and using these data in a GIS environment (i.c. QGIS)
- Knowledge of basic cartography rules for useful visualisation for various use-cases

Hands-on experience in creating a workflow using Open Spatial Data and Open Source GIS

2.3 Planned outcome(s)

The workshop will be a hands-on tutorial in which the participants are taught about a new data source and a method and software for using it.

The tutorial will be made available online afterwards, as an Open Educational Resource.

3. Abstract

In this tutorial workshop, we teach you the principles of proper cartographic styling in an Open Source GIS (QGIS) and help you develop a workflow for using the Open Data *EuroRegionalMap*. This is a seamless and harmonised pan-European dataset, provided by EuroGeographics. It contains topographic information at scale 1:250 000, suitable for a wide range of uses, including spatial analysis, cartographic publishing and backdrop visualisation.

We will demonstrate the use through both online webservice and file download, and focus on flexible cartographic styling for both online use and print. You will learn how to filter and style the data for various use-cases, employing automated styling mechanisms available in QGIS.

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

This will be a tutorial workshop, in which we teach participants the principles and help them develop a workflow.

A half day workshop will suffice for that – alternatively we could extend it to a full day for those participants wishing to further work on the workflow with our guidance and help.

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

This workshop does match the AGILE conference ‘*Geographic Information Science for a Sustainable Future*’ theme. The use of spatial data in to design and produce visualisations is an important part of the added value of Spatial Data for society. The use of Open Data (*EuroRegionalMap*) and Open Source technology (QGIS) puts this value in the hands of anyone to use to work on the society’s sustainable future.

6. What is the approximate number of expected participants?

Difficult to estimate, but at minimum 10. The maximum would depend on available workplaces.

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

Leading AGILE member (or sponsor) and contact person:

- University of Twente (ITC), Barend Köbben (b.j.kobben@utwente.nl)

Seconding AGILE member (including the persons involved):

- Utrecht University (Geography), Egbert van der Zee (E.L.vanderZee@uu.nl)

Contributing non-AGILE members (including the persons involved) – if applicable: n/a

Organizing Committee (if applicable): n/a

Programme Committee (if applicable): n/a

8. Additional information about previous workshops, if held.

9. Expected resources needed

- Projector or big screen for presentation
- Internet connection for tutor and participants
- Workspace (desk) for participants (they would be expected to bring their own devices)

10. Other information

Submission by e-mail to:

Dr Qunshan Zhao: Qunshan.Zhao@glasgow.ac.uk

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