

Geographic Information Systems (QGIS) for Beginners

Trainers



Dr. Falko Wagner

Institute of Aquatic Ecology and Fish Biology, Jena

- 1987-1992 fisherman
- 1993-1998 study of biology at FSU Jena
- 2003 PhD natural science
- 2003-2005 scientific assistant at the Bauhaus University Weimar and cooperation with civil engineers
- 2005 founder of the "Institute for Aquatic Ecology and Fishery Biology", Jena
- Lecturer at the University of Applied Science Erfurt, the Bauhaus-University Weimar and Technical University Dresden



Osama Mustafa, Dipl. Geogr
Thüringer Institut für Nachhaltigkeit und Klimaschutz (ThNK GmbH)

- He studied Geography, Geology & Ecology at FSU Jena, focusing on geomorphological studies
- 2003-2007 - scientific assistant at Department of Ecology coordinating field mapping and GIS-work in an Antarctic conservation and management project
- Since 2007 - freelance (GIS-consult, fieldwork-assistance, professional training)
- 2008 - co-founder of ThNK GmbH

Objective

Basic course for scientists to get acquainted with the geographical information system **QGIS** and to learn the basics of managing and analyzing geospatial data.

Description

In the last decade, the use of GIS has spread quickly over a broad range of scientific disciplines, administrative bodies and consulting engineers. This course provides a starting point for using GIS in scientific work to manage and analyze geospatial data. It is designed for scientists to learn the basics of the free GIS application QGIS.

An overview of possible uses will be given, and the general structure of the software will be explained. Step by step, the basic skills will be taught to build GIS-projects for your individual needs including preparation and import of data from different sources. The use of simple tools to edit, query or process data will give an impression of the power of GIS for geospatial data management.

Methodology

The course is given as a face-to-face event with a focus on group-based independent work on example projects.

Good communication between participants is desired.

Conditions

- English Version of QGIS 3.28.12 LTR is installed (and running!) on the computer.
Download: <https://www.qgis.org/de/site/>
- No prior knowledge on GIS is necessary.

Organizational Information

Language / Format	English / On campus
Target group	Doctoral Candidates at all stages and Postdocs (R2/R3) from Natural and Life Sciences
Date	Monday-Tuesday, 24-25 June 2024, 9:00 – 18:00 Wednesday, 26 June 2024, 9:00 – 16:00
Registration	For registration click here