

Trainer

**Dr. Falko Wagner**

Institut für Gewässerökologie und Fischereibiologie (IGF), Jena

- Has special expertise in the use of the geographical information system (GIS) ArcView® for problems of aquatic ecology
- Post-graduate member and scientific assistant, Bauhaus University Weimar
- Lectureship at the University of Applied Sciences Erfurt and Bauhaus University Weimar
- Founder of the institute for aquatic ecology and fish biology

**Dipl. Geographer
Osama Mustaf**

Thüringer Institut für Nachhaltigkeit und Klimaschutz (ThNK GmbH), Jena

Research experience in geographical information systems (GIS).

- Dipl.-thesis on »Geomorphological studies and GIS-modelling of alpine permafrost«
- Scientific assistant at Department of Ecology coordinating field mapping and GIS-work in an Antarctic-conservation and management project (2003–2007)
- Co-founder of the working group for Regional Climate and Sustainability at University of Jena (in 2009 renamed ThNK GmbH)

GIS-Course I

 **Objective**

Basic course for scientists to introduce the geographical information system (GIS) ArcGIS® and to teach the basics of managing and computing spatial data.

 **Description**

In the last decade the use of GIS has spread quickly over a broad range of science branches, administrative bodies and consulting engineers. This course offers a starting point for using GIS applications in scientific work to manage and compute spatial data. It is designed for natural resource scientists to learn the basics of ArcGIS®. An overview of possible applications will be given and the principle structure of the software will be explained.

Step by step the basic skills will be taught to build GIS-projects for your personal needs including preparation and import of data from different sources. The use of simple tools to edit, query or compute data will give an impression of the power of GIS for spatial data management.

This workshop forms the first part of a series of two workshops.

The second part – GIS Course II – is offered on 15-16 February 2018. It is recommended to attend both parts.

 **Organizational Information**

Language	English
Target group	Doctoral Candidates at all stages and Postdocs from Natural and Life Sciences
Date	Monday-Wednesday, 12-14 February 2018, 9:00-18:00
Registration	For registration click here