

## Trainers



**Dr. Falko Wagner**  
Institut für Gewässerökologie  
und Fischereibiologie  
(IGF), Jena

- Has special expertise in the use of 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 Jena



**Dipl. Geographer  
Osama Mustafa**  
Thüringer Institut für  
Nachhaltigkeit und Kli-  
maschutz (ThNK GmbH),  
Jena

- Uses geographical information systems (GIS) for ecological and geomorphological research in polar and high mountain systems
- Dipl.-thesis on »Geomorphological studies and GIS-modelling of alpine permafrost«
- Scientific assistant at Department of Ecology, coordinating field mapping and GIS-work for Antarctic conservation and management
- 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 online course for scientists to introduce the geographical information system (GIS) ESRI ArcGIS® and to teach the basics of managing and analyzing 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 online course offers a starting point for using GIS applications in scientific work to manage and analyze spatial data. It is designed for scientists to learn the basics of ESRI ArcGIS®.

An overview of possible applications 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 personal 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 spatial data management.

This workshop forms the **first** part of a series of two workshops. The second part – GIS Course II – is offered on **10-11 June**. It is recommended to attend in both parts.

 **Organizational Information**

Language	English
Target group	Doctoral Candidates at all stages and Postdocs from Natural and Life Sciences
Date	Monday-Wednesday, 7-9 June 2021, 9:00 – 18:00
Registration	<b>For registration click here</b>