

GIS-Course II

Objective

On the basis of the GIS-course I, further functionalities with focus on working with raster data will be taught and practical questions of scientists with some first experiences in ArcGIS® will be discussed.

Description

The work with raster data will expand the ability of GIS-data mainly in questions with continuous objects (e.g. surface elevation, air temperatures). ArcGIS® provides a wide range of powerful functionalities for generating, querying and analyzing these data.

In the first part (Day 1) of the course basic concepts and functions of the work with raster data will be taught including the use of the extension »Spatial Analyst«.

The second part (Day 2) will give an opportunity to discuss own questions and data in workshop-style.

A questionnaire will be sent to the participants in advance to categorize the different problems and to choose the topics of the course. Work on these selected questions will take place in small groups under guidance of the trainers. The solutions will be discussed in plenum for the benefit of all participants.

This workshop forms the second part of a series of two workshops. The first part – GIS Course I – is offered on 12-14 February 2018. Participants of the first part will be given priority in the registration procedure.

Organizational Information

Language	English
Target group	Doctoral Candidates at all stages and Postdocs from Natural and Life Sciences
Date	Thursday-Friday, 15-16 February 2018, 9:00-18:00
Registration	For registration click here

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)