

Scientific Program

The NeXus Summer School will provide an interdisciplinary forum on water and life sciences in Africa and Europe. The focus for this year will be on the study area of the lake Chiemsee including the areas Tacherting and Waging in Germany, where all Nexus relevant problems can be shown and compared with case studies in our partner countries.

Example topics include: Pesticide pertinence, water treatment, erosion and contamination from diffusive sources, water resources management, land use and land management, maintenance of lake and catchment, nutrient cycle, biodiversity and restoration of aquatic ecosystems and responsibility to resources in the Nexus context.

The scientific format of the summer school includes keynote talks, lectures by leading experts in the fields of life and water sciences from our partner universities and TUM, group works, as well as presentations by students and discussion groups. The summer school is also meant to increase the scientific collaboration and student exchange between all our partner universities and TUM.



Contact

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The Project

**“NeXus of Water – Food - Energy”
is funded by DAAD (German
Academic Exchange Service)**



NeXus Summer School

Working in the context of NeXus Water-Food- Energy

A Case Study



Summer School
23.08. – 06.09.2017
at TUM

About Technische Universität München

Technische Universität München (TUM) is one of Europe's top universities. It is committed to excellence in research and teaching, interdisciplinary education and the active promotion of promising young scientists. The university also forges strong links with companies and scientific institutions across the world. The TUM has three main locations. The city campus, which is the oldest campus and was founded in 1868, is located in Munich. The Garching campus north of Munich constitutes the center of natural sciences and technology at TUM, it is the largest of all TUM locations. Scientists at the third campus TUM's Center of Life and Food Sciences Weihenstephan are engaged in interdisciplinary research in the life sciences.

Partner universities

- Addis Ababa University
- Ardhi University
- Cairo University
- Colorado School of Mines
- Danish Technical University
- Helwan University
- LMU München
- Munich School of Philosophy
- National Technical University of Athens
- Swiss Federal Institut of Technology Lausanne



Program schedule

The talks and workshops of the NeXus Summer School will take place at the TUM City Campus in the first week and at the Oskar-von-Miller Institute near Garmisch-Partenkirchen in the second week. The general Schedule will look like this:

- Presentations of the students' case studies
- Lectures to gain general knowledge about the fundamental questions and possible solutions
- Group work to solve the defined problems
- Discussion about the students' case studies and possible changes due to the recently gained knowledge

The language for our summer school is English.

Target group and requirements

The course is open to graduate and upper-level undergraduate and PhD students in the fields of engineering and life sciences (e.g. ecology, biology, agricultural sciences) with an interest in water and land use related challenges and solutions. The number of participants is limited. The Summer School is evaluated with a written report and 5 credit points.

Accommodation

Participants will stay the first week in a hostel in Munich city center and the following week in a hostel near the Oskar-von-Miller Institute.

Program fee

The summer school is supported by DAAD. For detailed information of funding please contact the organizing team.

How to apply....

After being chosen by our partner university as a participant, please send your application documents (CV, short motivation letter) to Kordula Schwarzwälder by email: kordula.schwarzwaelder@tum.de

Application Deadline:

31.05.2017