

About ABBY-Net

ABBY-Net is an interdisciplinary network of researchers from universities in the Canadian province of Alberta and the German free province of Bavaria, collaborating on topics related to the sustainable development of resources under changing environmental. ABBY-Net scientists work in various fields related to environment, energy, and computing science, and strive to create interdisciplinary approaches that further our understanding of energy systems and ecosystem functioning. Key topics include:

- Cleaner energy production, transportation, and storage
- Impact of energy infrastructure on ecosystem processes
- Effects of changing environmental conditions on energy systems
- Water security

In 2012, the first ABBY-Net Summer School was convened in Kananaskis, Alberta. The Summer School in Kloster Banz will continue a series of Summer Schools designed to bring together Masters- and PhD-level students with senior researchers on an annual basis.

Course Description

The purpose of the ABBY-Net Summer School is to train young scientists in interdisciplinary approaches to energy and ecosystem research.

The course will focus on resource-management and energy systems issues in the Free State of Bavaria. Students will attend seminars on key extra-disciplinary topics (hydrology, energy systems, environmental monitoring, data mining, and data analysis), and participate in field excursions designed to educate participants on local resource-management and energy conversion issues. In the later stages, participants will be challenged to develop, discuss and present first own simulation models designed to predict the impact of Renewable Energies on land use, resources, economics and the Society.

For more details please visit:

<http://www.abby-net.org>

Participation and Registration

The participation is free of charge and includes accommodation, meals, transfers from Nürnberg to Kloster Banz as well as field tours.

Attendance is limited and subject to selection by the organizing committee. Please send your application with a short CV to contact@abby-net.org or any of the organizers. Deadline for applications is **February 28th, 2013**.

Venue and Directions

Kloster Banz, is located in the valley of the River Main in Upper Franconia. More than 900 years ago, the castle on Mount Banz was donated to the Benedictines to become one of the biggest monasteries in Bavaria. Nowadays it is a modern meeting and education center with an unique view into the upper Franconian landscape with an history of more than 10 000 years.

Participants will be picked up in Nuremberg, which is easily reachable by plane car and train via Munich or Frankfurt.



Organizing Committee



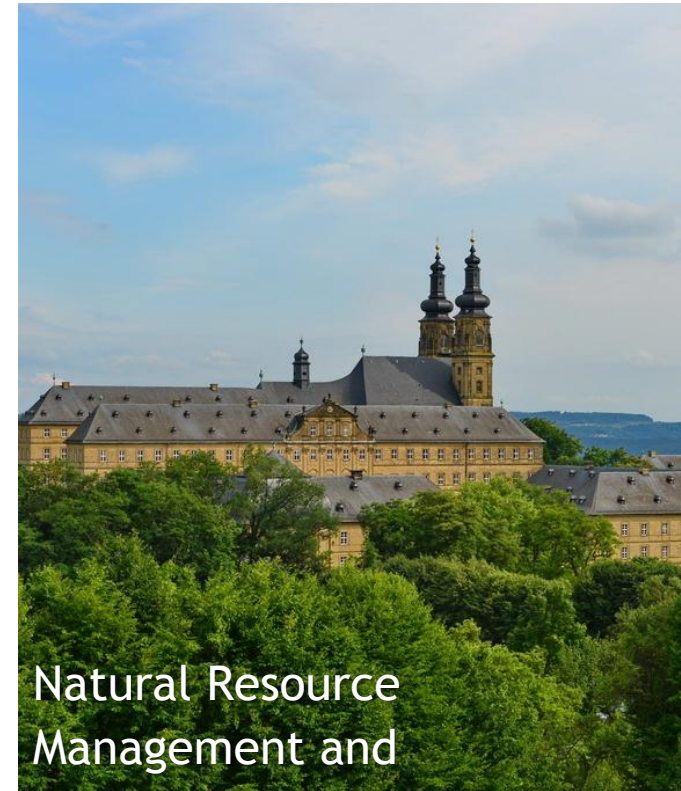
Prof. Dr. Klaus Diepold, TU München
Prof. Dr. Jürgen Karl, FAU Erlangen-Nürnberg
PD Dr. Peer Kröger, LMU München
Prof. Dr. Ralf Ludwig, LMU München
Dr. Matthias Renz, LMU München
Prof. Mario A. Nascimento, University of Alberta
Prof. Stefan W. Kienzle, University of Lethbridge
Prof. Greg McDermid, University of Calgary

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Dr. Florence Gauzy (BayFOR) and
Prof. Dr. Randy Goebel (AITF)



ABBY-Net
Albertan - Bavarian
Research Network

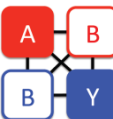
Preliminary announcement for the
2nd ABBY-Net Summer School on



Natural Resource
Management and

Energy Systems under
Changing Environmental
Conditions

20-26 May 2013
Kloster Banz, Bavaria, Germany



Preliminary Schedule

	Monday, May 20 th	Tuesday, May 21 th	Wednesday, May 22 th	Thursday, May 23 th	Friday, May 24 th	Saturday, May 25 th	Sunday, May 26 th
08:30-10:00		M1 Introductions and Course Goals	M5 (cont.) Introductory 101 Energy Systems	M8 Instruction Group Work	M10 Field Tour Water Ressources - Fränkische Seenplatte - RMD-Kanal	M12 Workshop Methodolgy Land use modelling	M14 Preparation Group Presentations
10:00-10:30		Coffee	Coffee	Coffee		Coffee	Coffee
10:30-12:00		M2 Introductory Lecture: Bavarian Energy Systems and Ecosystems	M5 Practical Course 101 Energy Systems	M8 (cont.) Instruction Group Work		M12 (cont.) Workshop Methodolgy Land use modelling	M14 (cont.) Preparation Group Presentations
12:00-13:30		Lunch	Lunch	Lunch		Lunch	Lunch
13:30-15:00	Arrival and Meeting at Nürnberg Hauptbahnhof 13 h Bus transfer to Kloster Banz	M3 Introductory 101: Global Change and the Environment: From Global to Regional Scales	M6 Introductory 101: Computing Science	M9 Field Tour Energy sites - Thermal Power Plants - Windparks - Geothermie - Biomass plants		M13 Workshop Methodology Modelling Energy Systems	M15 Group Presentations: Student Groups to Provide Formal Presentations to Instructor Panel
15:00-15:30		Coffee	Coffee		Coffee	Coffee	
15:30-17:00	Welcome and Registration at Kloster Banz	M3 (cont.) Practical Course 101: Global Change and the Environment: From Global to Regional Scales	M6 (cont.) Practical Course 101: Computing Science		M13 (cont.) Workshop Methodology Modelling Energy Systems	Farwell and Departure	
17:00-18:30		TBA	TBA		TBA	Bus transfer to Nürnberg Hauptbahnhof (Arrival approx. 17h)	
18:30-19:30	Dinner	Dinner	Dinner	external Dinner	Dinner	Dinner	
19:30-21:00	Ice Breaker	M4 Invited Lecture: Ressources / Land use	M7 Invited Lecture: Solutions for sustainable energy systems	M9 (cont.) Onsite-Lecture: German "Energiewende"	M11 Panel Discussion: Ecology versus Economy?	TBA	