

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. In 2013, the second Summer School was held in Kloster Banz, Bavaria. The third edition will continue this annual series of Summer Schools designed to bring together Masters- and PhD-level students with senior researchers.

Course Description

The purpose of the 3rd ABBY-Net Summer School is to train young scientists in interdisciplinary approaches to energy and ecosystem research. The course will focus on resource-management issues in the province of Alberta, and the impact of resource extraction on natural ecosystem functioning. 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 issues. In the later stages, participants will be challenged to develop inter-disciplinary research proposals designed to solve practical problems related to resource extraction in Alberta.



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

Participation and Registration

Participation in the Summer School is free of charge and includes accommodation, meals, transfers from Calgary to the Barrier Lake Station in Kananaskis Country, Alberta, and field tours. Attendance is limited and subject to selection by the ABBY-Net Organizing Committee.

Please send your application with a short CV to contact@abby-net.org. Deadline for applications is February 28th, 2014.

Venue and Directions



The Barrier Lake Station (built in 1967) is located in the Kananaskis Valley 80 km west of Calgary, Alberta, in the Front Ranges of the Rocky Mountains. The station operates year-round, providing research and teaching facilities including a Main Lodge (a 26-person dormitory and kitchen/dining facilities), the Forestry lodge (32-person dormitory and kitchen/dining facilities), a laboratory building, and various stand-alone accommodations.

Both dormitories accommodate 2-3 people/room with bunk beds. WiFi is available throughout the facility. More information on the Barrier Lake Station, including a thorough description of facilities and natural history. Current research projects can be found at <http://www.bgs.ucalgary.ca>.

Organizing Committee

Prof. Dr. Greg McDermid, University of Calgary
Prof. Dr. Mario Nascimento, University of Alberta
Prof. Dr. Stefan Kienzle, University of Lethbridge
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
PD Dr. Matthias Renz, LMU München

With kindly acknowledged support of:

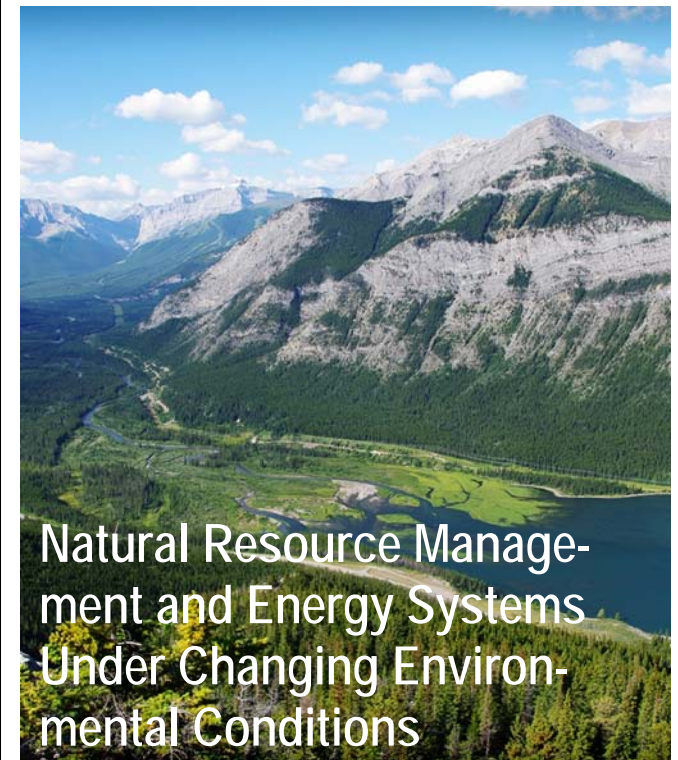
Prof. Dr. Randy Goebel (AITF) and
Dr. Florence Gauzy (BayFOR)



ABBY-Net

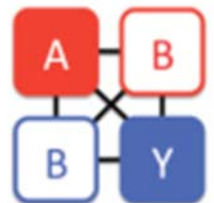
Albertan - Bavarian Research Network

Preliminary Announcement for the 3rd ABBY-Net Summer School on



August 10 – 17, 2014

Barrier Lake Station
Biogeoscience Institute
University of Calgary



Preliminary Agenda

Time / Date	Sunday August 10	Monday August 11	Tuesday August 12	Wednesday August 13	Thursday August 14	Friday August 15	Saturday August 16	Sunday August 17
08.00 - 08.30	Travel to Barrier Lake Field Station	M1 Introductory 101 - Energy	M3 101 – Data Analysis	M5 Prep Lecture	M7 Prep Lecture	M9 Resource Management in Western Alberta: the Industry Perspective	M12 GROUP WORK	M12 (cont.) GROUP WORK
08.30 - 09.00		Coffee	Coffee					
09.00 - 09.30								
09.30 - 10:00								
10.00 - 10.30	Orientation and Registration at Barrier Lake Field Station; Distribution of materials; Formation of groups	M1 (cont.)	M3 (cont.)	M6 Field Tour	M8 Field Tour	M9 (cont.) Group Work	M10 Resource Management in Western Alberta: the Regulator Perspective	M13 Group Presentations: Student Groups to Provide Formal Presentations to Instructor Panel
10.30 - 11.00								
11.00 - 11.30								
11.30 - 12.00								
12.00 - 12.30	Lunch	Lunch	Lunch	M10 (cont.) Group Work	M12 (cont.) GROUP WORK	M10 (cont.) Group Work	M12 (cont.) GROUP WORK	Farewell
12.30 - 13.00								
13.00 - 13.30								
13.30 - 14.00								
14.00 - 14.30	Introductions and Course Goals	M2 Introductory 101 – Environment	M4 101 – Geospatial Analysis	M6 Field Tour	M8 Field Tour	M10 Resource Management in Western Alberta: the Regulator Perspective	M12 (cont.) GROUP WORK	M13 Group Presentations: Student Groups to Provide Formal Presentations to Instructor Panel
14.30 - 15.00								
15.00 - 15.30								
15.30 - 16.00								
16.00 - 16.30	Field Demonstration and Excursion (Forestry trails and Prairie Lookout hikes)	Coffee	Coffee	M6 Field Tour	M8 Field Tour	M10 Resource Management in Western Alberta: the Regulator Perspective	M12 (cont.) GROUP WORK	M13 Group Presentations: Student Groups to Provide Formal Presentations to Instructor Panel
16.30 - 17.00								
17.00 - 17.30								
17.30 - 18.00								
18.00 - 18.30	Dinner	Dinner	Dinner	Dinner	Dinner	Dinner	Dinner	Travel to Calgary University main campus
18.30 - 19.00								
19.00 - 19.30								
19.30 - 20.00								
20.00 - 20.30	Ice Breaker	Guest Lecture	Activity	Activity	Activity	Lecture: Interdisciplinary Research Proposals (Nascimento)	Activity	Travel to Calgary University main campus
20.30 - 21.00								