

About ABBY-Net

ABBY-Net is an interdisciplinary network of researchers from universities in the Canadian province of Alberta and the German province of Bavaria, collaborating on topics related to the sustainable development of resources under changing environmental conditions. 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

ABBY Net Summer Schools have been alternating between Alberta and Bavaria since 2012, when the first summer school was held in Kananaskis Country, Alberta. 2017 will be the fifth edition of our program, where will once again take advantage of the excellent facilities and educational opportunities at the University of Calgary's Barrier Lake Research Station.

Course Description

The purpose of the 5th 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 interdisciplinary research proposals designed to solve practical problems related to resource extraction in Alberta.

For more details and applications, please visit:

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



Participation and Registration

Participation fees for in the Summer School include 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 apply online at: <http://www.abby-net.org/>.
Deadline for applications is February 17th, 2017.

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 with a 26-person dormitory and kitchen/dining facilities, the Forestry lodge with a 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 description of facilities, natural history, and an overview research projects underway can be found at <http://www.bgs.ucalgary.ca>.

Program Committee

Prof. Dr. Greg McDermid, University of Calgary
Prof. Dr. Joule Bergerson, University of Calgary
Prof. Dr. Mario Nascimento, University of Alberta
Prof. Dr. Sven Anders, University of Alberta
Prof. Dr. Ralf Ludwig, Ludwig-Maximilians University München

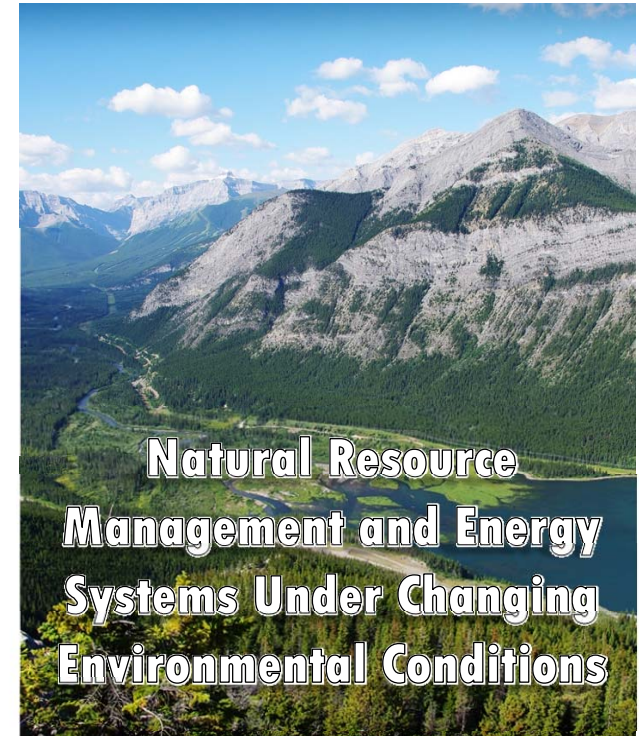
With kindly acknowledged support of Innotech Alberta, the Bavarian Research Alliance, and participating universities.



ABBY-Net

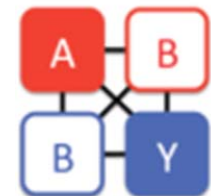
Albertan - Bavarian Research Network

Preliminary Announcement for the Fifth ABBY-Net Summer School



August 12-19, 2017

Barrier Lake Station
Biogeoscience Institute
University of Calgary



Time / Date	Saturday August 12	Sunday August 13	Monday August 14	Tuesday August 15	Wednesday August 16	Thursday August 17	Friday August 18	Saturday August 19			
08.00 - 08.30	Travel to Barrier Lake Field Station	M1 Introductory 101 Energy Systems	M3 Introductory 101 Data Analysis	M5 Prep Lecture	M7 Prep Lecture	M9 Resource Management in Western Alberta: the Industry Perspective	M12 Group Work	M13 Group Presentations: Student Groups to Provide Formal Presentations to Instructor Panel			
08.30 - 09.00									Coffee	Coffee	Coffee
09.00 - 09.30		Orientation and Registration; Distribution of materials; Formation of groups	M1 (cont.) Introductory 101 Energy Systems			M3 (cont.) Introductory 101 Data Analysis			M6 Field Tour	M8 Field Tour	M9 (cont.) Group Work
09.30 - 10:00											
10.00 - 10.30	Lunch			Lunch	Lunch		Lunch	Lunch			
10.30 - 11.00		Introductory 101 Environment Systems	M2 Introductory 101 Energy Economics			M4 Introductory 101 Energy Economics			M10 Resource Management in Western Alberta: the Regulator Perspective	M12 (cont.) Group Work	
11.00 - 11.30	Coffee			Coffee	Coffee		Coffee				
11.30 - 12.00	Introductions and Course Goals Field Demonstration and Excursion (Forestry trails and Prairie Lookout hikes)	M2 (cont.) Introductory 101 Environment Systems	M4 (cont.) Introductory 101 Energy Economics	M6 Field Tour	M8 Field Tour	M10 (cont.) Group Work	M12 (cont.) Group Work	Travel to Calgary University main campus			
12.00 - 12.30									Dinner	Dinner	Dinner
12.30 - 13.00		Ice Breaker	Activity			Activity					
13.00 - 13.30									Ice Breaker	Activity	Activity
13.30 - 14.00	Ice Breaker	Activity	Activity	Activity	Activity						
14.00 - 14.30						Ice Breaker	Activity	Activity	Activity	Activity	
14.30 - 15.00	Ice Breaker	Activity	Activity	Activity	Activity						
15.00 - 15.30						Ice Breaker	Activity	Activity	Activity	Activity	
15.30 - 16.00	Ice Breaker	Activity	Activity	Activity	Activity						
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19.00 - 19.30						Ice Breaker	Activity	Activity	Activity	Activity	
19.30 - 20.00	Ice Breaker	Activity	Activity	Activity	Activity						
20.00 - 20.30						Ice Breaker	Activity	Activity	Activity	Activity	
20.30 - 21.00	Ice Breaker	Activity	Activity	Activity	Activity						