

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, socio-economy, 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. 2019 will be the seventh 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 7th 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 (energy systems, environmental systems, energy economics, 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 energy development in Alberta.

For more details and applications, please visit:

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



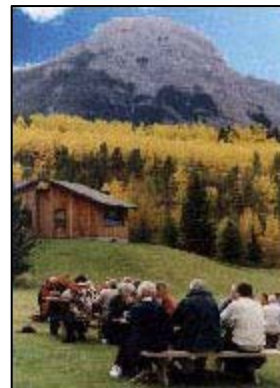
Participation and Registration

A participation fee of CAD\$750ⁱ is required for the Summer School. This fee covers accommodation, meals, transfers between Calgary and the Barrier Lake Station, and field tours. Attendance is limited and subject to selection by the ABBY-Net Program Committee.

Please apply online at <http://www.abby-net.org>. German deadline for applications is March 15th, 2019. Canadian deadline for applications is April 30th, 2019.

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

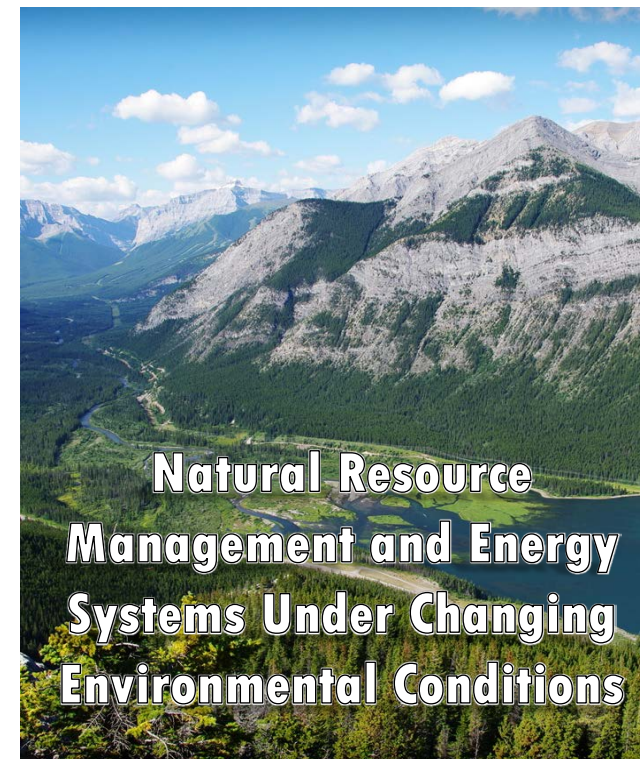
Dr. Greg McDermid, University of Calgary
Dr. Joule Bergerson, University of Calgary
Dr. Bernhard Mayer, University of Calgary
Dr. Nilanjan Ray, University of Alberta
Dr. Sven Anders, University of Alberta
Prof. Dr. Ralf Ludwig, Ludwig-Maximilians University München
With kindly acknowledged support of the participating universities.



ABBY-Net

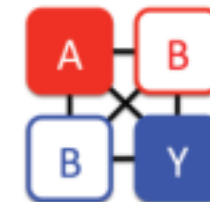
Albertan - Bavarian Research Network

Preliminary Announcement for the 7th ABBY-Net Summer School



August 10-17, 2019

Barrier Lake Station
Biogeoscience Institute
University of Calgary



Time / Date	Saturday August 10	Sunday August 11	Monday August 12	Tuesday August 13	Wednesday August 14	Thursday August 15	Friday August 16	Saturday August 17		
08.00 - 08.30	Travel to Barrier Lake Field Station	M1 Seminar: Energy Systems	M3 Prep Lecture	M5 Seminar: Data Analysis	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
09.00 - 09.30										
09.30 - 10.00	Orientation and Registration; Distribution of Materials; Formation of Groups	M1 (cont.) Seminar: Energy Systems	M4 Field Tour: Kananaskis Valley	M5 (cont.) Seminar: Data Analysis	M8 Field Tour: Banff and the Bow Valley	M9 (cont.) Group Work	Lunch	Farewell		
10.00 - 10.30									Lunch	Lunch
10.30 - 11.00										
11.00 - 11.30										
11.30 - 12.00										
12.00 - 12.30										
12.30 - 13.00	Introductions and Course Goals	M2 Seminar: Environment Systems	M6 Seminar: Energy Economics	M6 Seminar: Energy Economics	M10 Resource Management in Western Alberta: the Regulator Perspective	Coffee	M12 (cont.) Group Work	Travel to Calgary University main campus		
13.00 - 13.30									Coffee	Coffee
13.30 - 14.00										
14.00 - 14.30										
14.30 - 15.00										
15.00 - 15.30										
15.30 - 16.00										
16.00 - 16.30		M2 (cont.) Seminar: Environment Systems		Coffee		M6 (cont.) Seminar: Energy Economics			Coffee	M10 (cont.) Group Work
16.30 - 17.00										
17.00 - 17.30										
17.30 - 18.00										
18.00 - 18.30	Dinner	Dinner	Dinner	Dinner	Dinner	Dinner				
18.30 - 19.00										
19.00 - 19.30										
19.30 - 20.00										
20.00 - 20.30	Ice Breaker	Activity	Activity	Activity	Activity	M11 Lecture: Interdisciplinary Research Proposals	Activity			
20.30 - 21.00										

ⁱ Please contact your supervisor to discuss opportunities for supplementing the summer school fee.