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 resourcemanagement 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











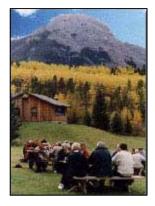
Participation and Registration

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/. Deadline for applications is February 17th, 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.

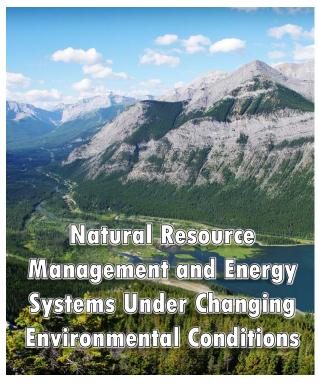




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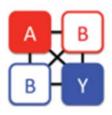
Albertan - Bavarian Research Network

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 08.30 - 09.00 09.00 - 09.30	Travel to Barrier Lake Field Station	M1 Seminar: Energy Systems	M3 Prep Lecture	M5 Seminar: Data Analysis	M7 Prep Lecture	Resource Management in Western Alberta: the Industry Perspective		M13 Group Presentations:
09.30 - 10:00		Coffee		Coffee		Coffee	M12 Group Work	Student Groups to Provide Formal
10.00 - 10.30 10.30 - 11.00 11.00 - 11.30 11.30 - 12.00	Orientation and Registration; Distribution of Materials; Formation of Groups	M1 (cont.) Seminar: Energy Systems		M5 (cont.) Seminar: Data Analysis		M9 (cont.) Group Work		Presentations to Instructor Panel
12.00 - 12.30 12.30 - 13.00	Lunch	Lunch		Lunch		Lunch	Lunch	Farewell
13.00 - 13.30 13.30 - 14.00 14.00 - 14.30 14.30 - 15.00 15.00 - 15.30	Introductions and Course Goals	M2 Seminar: Environment Systems	M4 Field Tour: Kananaskis Valley	M6 Seminar: Energy Economics	M8 Field Tour: Banff and the Bow Valley	M10 Resource Management in Western Alberta: the Regulator Perspective		Travel to Calgary University main campus
15.30 - 16.00	Seminar	Coffee		Coffee		Coffee	M12 (cont.) Group Work	
16.00 - 16.30 16.30 - 17.00 17.00 - 17.30 17.30 - 18.00	Consultation and Preparation	M2 (cont.) Seminar: Environment Systems		M6 (cont.) Seminar: Energy Economics		M10 (cont.) Group Work	· 	
18.00 - 18.30 18.30 - 19.00	Dinner	Dinner	Dinner	Dinner	Dinner	Dinner	Dinner	
19.00 - 19.30 19.30 - 20.00 20.00 - 20.30 20.30 - 21.00	Ice Breaker	Activity	Activity	Activity	Activity	M11 Lecture: Interdisciplinary Research Proposals	Activity	

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