

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. 2023 will be the eight 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 8th 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>. We will begin accepting applications starting September 30th, 2022. Deadline for all applications is January 31, 2023.

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. Pierre Mertiny, University of Alberta
Prof. Dr. Juergen Karl, Friedrich-Alexander University of Erlangen-Nürnberg (FAU), Germany
Prof. Dr. Ralf Ludwig, Ludwig-Maximilians University München

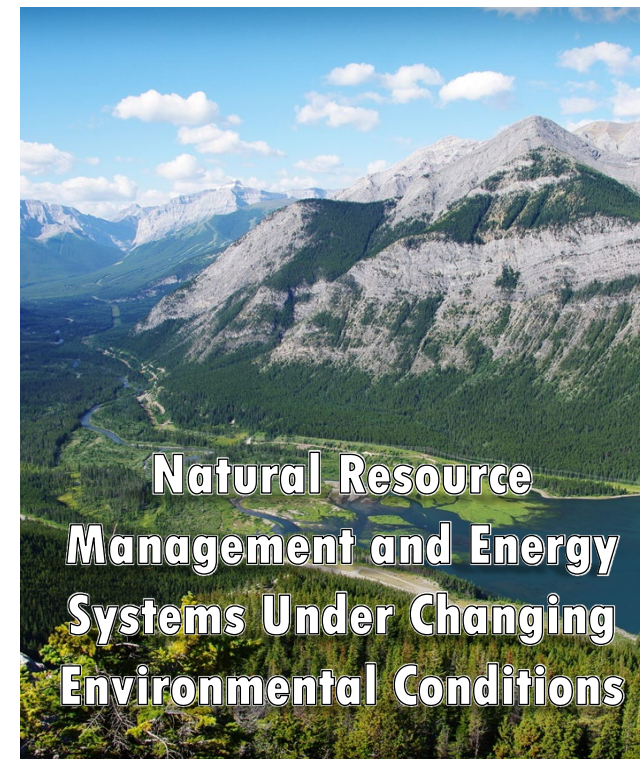
With kindly acknowledged support of the participating universities.



ABBY-Net

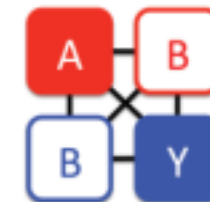
Albertan - Bavarian Research Network

Preliminary Announcement for the 8th ABBY-Net Summer School



August 5-12, 2023

Barrier Lake Station
Biogeoscience Institute
University of Calgary



Time / Date	Saturday August 5	Sunday August 6	Monday August 7	Tuesday August 8	Wednesday August 9	Thursday August 10	Friday August 11	Saturday August 12						
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	Coffee			
09.00 - 09.30		Orientation and Registration; Distribution of Materials; Formation of Groups	M1 (cont.) Seminar: Energy Systems	M5 (cont.) Seminar: Data Analysis	M9 (cont.) Group Work									
09.30 - 10.00	Lunch	Lunch	M4 Field Tour: Kananaskis Valley	Lunch	M8 Field Tour: Banff and the Bow Valley	Lunch	Lunch	Farewell						
10.00 - 10.30	Introductions and Course Goals	M2 Seminar: Environment Systems		M6 Seminar: Energy Economics		M10 Resource Management in Western Alberta: the Regulator Perspective	M12 (cont.) Group Work							
10.30 - 11.00			Coffee		Coffee			Coffee						
11.00 - 11.30		Seminar Consultation and Preparation	M2 (cont.) Seminar: Environment Systems	M6 (cont.) Seminar: Energy Economics	M10 (cont.) Group Work									
11.30 - 12.00	Dinner	Dinner	Dinner	Dinner	Dinner	Dinner	Dinner	Travel to Calgary University main campus						
12.00 - 12.30									Ice Breaker	Activity	Activity	Activity	Activity	Activity
12.30 - 13.00														
13.00 - 13.30	Ice Breaker	Activity	Activity	Activity	Activity	Activity	Activity	Travel to Calgary University main campus						
13.30 - 14.00									M11 Lecture: Interdisciplinary Research Proposals	Activity	Activity	Activity	Activity	Activity
14.00 - 14.30														
14.30 - 15.00	Ice Breaker	Activity	Activity	Activity	Activity	Activity	Activity	Travel to Calgary University main campus						
15.00 - 15.30									M11 Lecture: Interdisciplinary Research Proposals	Activity	Activity	Activity	Activity	Activity
15.30 - 16.00														
16.00 - 16.30	Ice Breaker	Activity	Activity	Activity	Activity	Activity	Activity	Travel to Calgary University main campus						
16.30 - 17.00									M11 Lecture: Interdisciplinary Research Proposals	Activity	Activity	Activity	Activity	Activity
17.00 - 17.30														
17.30 - 18.00	Ice Breaker	Activity	Activity	Activity	Activity	Activity	Activity	Travel to Calgary University main campus						
18.00 - 18.30									M11 Lecture: Interdisciplinary Research Proposals	Activity	Activity	Activity	Activity	Activity
18.30 - 19.00														
19.00 - 19.30	Ice Breaker	Activity	Activity	Activity	Activity	Activity	Activity	Travel to Calgary University main campus						
19.30 - 20.00									M11 Lecture: Interdisciplinary Research Proposals	Activity	Activity	Activity	Activity	Activity
20.00 - 20.30														
20.30 - 21.00	Ice Breaker	Activity	Activity	Activity	Activity	Activity	Activity	Travel to Calgary University main campus						
20.30 - 21.00									M11 Lecture: Interdisciplinary Research Proposals	Activity	Activity	Activity	Activity	Activity
20.30 - 21.00														

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