

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 and hydroclimatic extremes 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. This will be the eighth edition of our program, where we will once again take advantage of the excellent facilities and educational opportunities at the University of Calgary's Barrier Lake Research Station.

Program Description

The purpose of the 8th ABBY-Net Summer School is to train young scientists in interdisciplinary approaches to energy and ecosystem research. The program will focus on the interaction between climate change and 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. Participants will be challenged to develop inter-disciplinary research proposals designed to solve practical problems related to energy development in Alberta and facilitate future research directions in ABBY-Net.

For more details and applications, please visit:

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



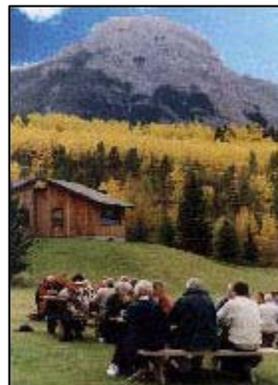
Participation and Registration

A participation fee of CAD\$750¹ 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. Wi-Fi 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 McDermaid, University of Calgary
Dr. Pierre Mertiny, University of Alberta
Dr. Juergen Karl, University of Erlangen-Nuremberg (FAU)
Dr. Ralf Ludwig, University of Munich (LMU)

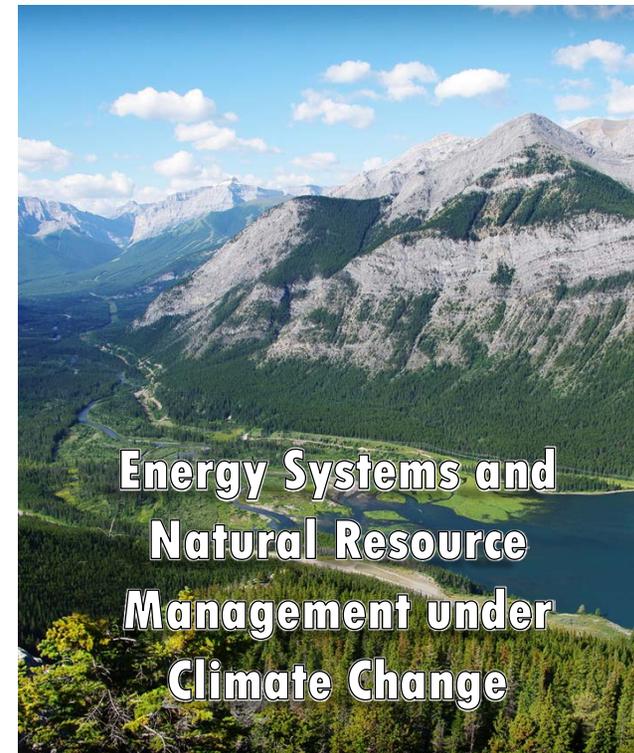
We acknowledge support of the University of Calgary International Office and all participating universities.



ABBY-Net

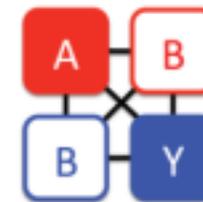
Albertan - Bavarian Research Network

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

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