

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. We strive to create interdisciplinary approaches that further our understanding of energy systems and ecosystem functioning: Clean energy production, transportation, and storage

- Impact of energy infrastructure on ecosystem processes and functioning
- Effects of changing environmental conditions on energy systems
- Computing Science and AI applications for energy-environment-economy interactions

ABBY Net Summer Schools have been alternating between Alberta and Bavaria since 2012, when the first summer school was held in Kananaskis, Alberta. 2024 will be the ninth edition of our program, where we will take advantage of the excellent facilities of the TUM Research Station Friedrich N. Schwarz in Berchtesgaden, Bavaria, located in the Bavarian Alps, 160 km from Munich.

Course Description

The 2024 ABBY-Net Summer School trains young scientists in interdisciplinary approaches to energy and ecosystem research. The course will focus on resource-management issues in a comparative context of German and Canadian settings, and the impact of conventional and renewable energy systems 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 Bavaria and Alberta.

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



Participation and Registration

A participation fee of €200 is required for the Summer School. This fee covers accommodation, meals, transfers to and from Berchtesgaden, and field tours. Attendance is limited and subject to selection by the ABBY-Net Program Committee. *Financial support for participants may be available. Please see website.*

Please apply online at <http://www.abby-net.org>.

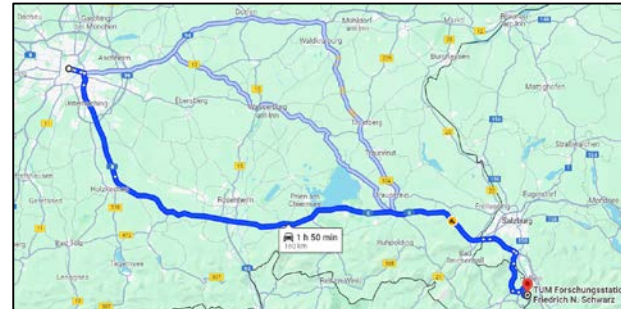
Canadian deadline for applications is March 31st, 2024.

German deadline for applications is April 30th, 2024.

Venue and Directions



The Summer School will be hosted at the TUM Research Station Friedrich N. Schwarz in Berchtesgaden, close to the Austrian border. All participants will also board and lodge at the Research Center, an energy neutral research facility, which has only been opened in 2019. Transport to the facility will be provided.



Program Committee

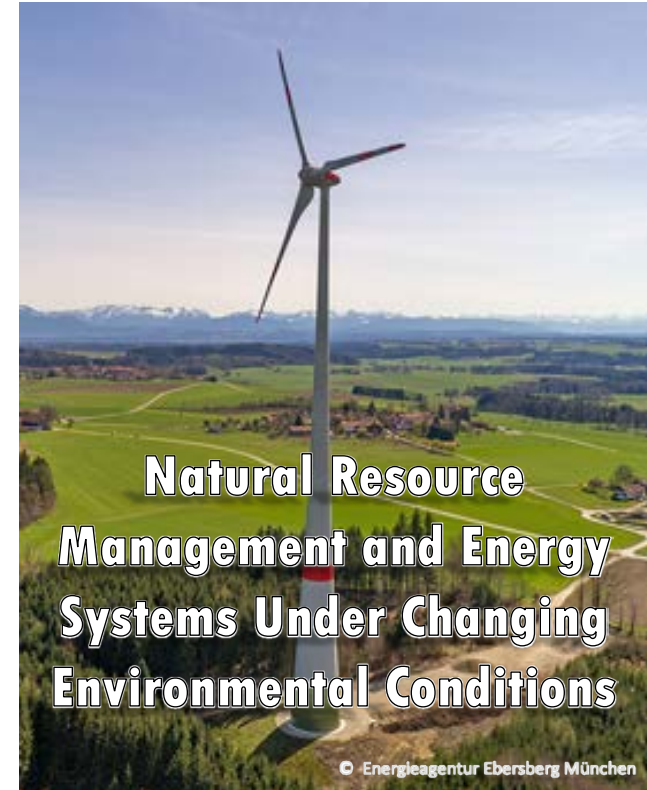
Thomas Baumann (TUM), Joule Bergerson (UCalgary), Jürgen Karl (FAU), Scott Ketcheson (UAthabasca), Julia Linke (UCalgary), Ralf Ludwig (LMU), Bernhard Mayer (UCalgary), Annette Menzel (TUM), Pierre Mertiny (UAlberta), Petr Musilek (UAlberta), Matthias Schubert (LMU)



ABBY-Net

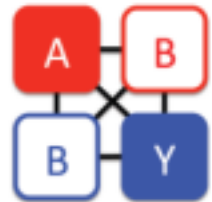
Albertan - Bavarian Research Network

Announcement for the 9th
ABBY-Net Summer School



August 10-17, 2024

TUM Research Center
Friedrich N. Schwarz
Berchtesgaden, Germany



ABBY-Net 2024 Summer School – Tentative agenda

Time/Date	in July (tbd)	Saturday, 10 August	Sunday, 11 August	Monday, 12 August	Tuesday, 13 August	Wednesday, 14 Aug	Thursday, 15 August	Friday, 16 August	Saturday, 17 August						
Where?	Online	Munich @ LMU	Excursion	Berchtesgaden	Berchtesgaden	Excursion	Berchtesgaden	Berchtesgaden	Berchtesgaden						
What?		Course program	Transfer to Berchtesgaden	Course program	Course program	Local area	Course program	Course program	Transfer to Munich						
07:00 - 08:00				Breakfast	Breakfast	Breakfast	Breakfast	Breakfast	Breakfast						
08:00 - 08:30			M2 - Field Tour - Geothermal Energy	M3 - Energy Systems	M5 - Computing Science and AI	M2 - Field Tour - Landscape and Forest Ecology	M8 - Guest Lecture	M10 - Group Work	M11 - Group Presentations						
08:30 - 09:00		Welcome								Coffee break	Coffee break	M2 - Guided tour - Exhibitions Obersalzberg	M8 - Guest Lecture	Coffee break	
09:00 - 09:30							M1 - Introductions and Course Overview								M3 - Energy systems
09:30 - 10:00		Lunch Break		Lunch Break in the field	Lunch Break	Lunch Break		Lunch Break							
10:00 - 10:30										M1 - Current state of the German Energiewende	M2 - Field Tour - Landscape Ecology and Cultural History	M4 - Environmental Systems	M6 - Practical course: LCA for Energy Systems	M8 - Guest Lecture	
10:30 - 11:00		Coffee break		Coffee break	Coffee break	Coffee break	M9 - Discussion								
11:00 - 11:30								M8 - Guest Lecture		M4 - Environmental Systems	M6 - Practical course: LCA for Energy Systems	M9 - Panel discussion	M10 - Group Work		
11:30 - 12:00		M10 - Group Work		M10 - Group Work	M10 - Group Work	M10 - Group Work	M10 - Group Work								
12:00 - 12:30								M10 - Group Work		M10 - Group Work	M10 - Group Work	M10 - Group Work	M10 - Group Work		
12:30 - 13:00		M10 - Group Work		M10 - Group Work	M10 - Group Work	M10 - Group Work	M10 - Group Work								
13:00 - 13:30								M10 - Group Work		M10 - Group Work	M10 - Group Work	M10 - Group Work	M10 - Group Work		
13:30 - 14:00		M10 - Group Work	M10 - Group Work	M10 - Group Work	M10 - Group Work	M10 - Group Work									
14:00 - 14:30							M10 - Group Work	M10 - Group Work	M10 - Group Work	M10 - Group Work	M10 - Group Work				
14:30 - 15:00		M10 - Group Work	M10 - Group Work	M10 - Group Work	M10 - Group Work	M10 - Group Work									
15:00 - 15:30							M10 - Group Work	M10 - Group Work	M10 - Group Work	M10 - Group Work	M10 - Group Work				
15:30 - 16:00		M10 - Group Work	M10 - Group Work	M10 - Group Work	M10 - Group Work	M10 - Group Work									
16:00 - 16:30							M10 - Group Work	M10 - Group Work	M10 - Group Work	M10 - Group Work	M10 - Group Work				
16:30 - 17:00		M10 - Group Work	M10 - Group Work	M10 - Group Work	M10 - Group Work	M10 - Group Work									
17:00 - 17:30	M0 - Instructional Webinar						Ice Breaker - BBQ @ Faculty of Geosciences, LMU	Arrival and guided tour @ Field Station	Dinner	Dinner	Dinner	Dinner	Dinner	Arrival to Munich	
17:30 - 18:00		Joint Dinner	Free time	Free time	M7 - Instructional Lecture: Interdisciplinary Research Proposals	Group BBQ									Free time
18:00 - 18:30															
18:30 - 19:00	Free time	Free time	Free time	Free time	Free time										
19:00 - 19:30						Free time	Free time	Free time	Free time	Free time					
19:30 - 20:00	Free time	Free time	Free time	Free time	Free time										
20:00 - 20:30						Free time	Free time	Free time	Free time	Free time					
20:30 - 21:00	Free time	Free time	Free time	Free time	Free time										