



*International Baltic Earth Winter School for Young Scientists on
“Earth System Science for the Baltic Sea Region”
23 – 27 March 2026, Tallinn, Estonia*

Second Announcement

8th International Baltic Earth Winter School
for Young Scientists on
“Earth System Science for the Baltic Sea Region”.
23 – 27 March 2026, Tallinn, Estonia

Co-organized by
Tallinn University of Technology and University of Tartu
under the umbrella of Baltic Earth (www.baltic.earth)



We invite PhD students and early career scientists from the Baltic Sea region to the Baltic Earth Winter School on “Earth System Science for the Baltic Sea Region”

The interdisciplinary school will provide a comprehensive overview of ongoing Earth system research in the Baltic Sea region, offering participants valuable insights into the current state of knowledge. A primary objective is to assist attendees in making informed future career choices within this field of study. Additionally, the school aims to create a collaborative environment where participants can build professional networks and foster friendships with peers and experts in the field.

The 8th Baltic Earth Winter School will explore processes and variability across scales, from micro to global, and from short-term to climate timescales. The curriculum will cover all components of the Earth system, including the atmosphere, ocean, sea ice, land surface, and terrestrial and marine ecosystems. This holistic approach will also incorporate the anthroposphere, examining human impacts on climate and the environment. A diverse group of instructors from various scientific backgrounds, representing institutions across the Baltic Sea region and the EU, will introduce PhD students and early career scientists to their research topics in an accessible format. The program will feature lectures on theory, observational methods, and modelling techniques, complemented by discussions on cutting-edge topics in Earth system science and current knowledge gaps.

All participants will present their research through short talks or poster sessions, receiving valuable feedback from peers and instructors. This interactive approach encourages active engagement and fosters academic growth. Upon successful completion of the course, participants will be awarded certificates acknowledging their participation and achievements.



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The Venue: Park Inn by Radisson Central Tallinn, Studio 1
Narva 7c, Tallinn, Estonia

Draft Program: Start on Monday at 09:00, end on Friday at 13:00.

Day	Mon 23/03	Tue 24/03	Wed 25/03	Thu 26/03	Fri 27/03
9:00-10:30	Registration Welcome Introduction	Matthias Gröger (IOW): Climate extremes in the Baltic Sea region	Taavi Liblik (TalTech): Baltic Sea, physical oceanography, observations	Sven-Erik Enno (EUMETSAT, tbc): Satellite remote sensing of extreme weather	Jamie Jenkins (UH): Wild cards in the Baltic Sea – are we ready for the unexpected?
Break 10:30-11:00					
11:00-12:30	Piia Post (UT): Introduction to the climate system	Velle Toll (UT): Climate physics, radiation processes, and clouds	Karol Kulinski (IOPAN): Baltic Sea biogeochemistry	Sander Rikka/ Rivo Uiboupin (TalTech): Remote sensing of physical processes in the Baltic Sea	Discussions Closing
Lunch 12:30-14:00					
14:00-15:30	Markus Meier (IOW): Climate change and the Baltic Sea	Kirsti Jylhä (FMI): Climate services for adaptation	Sirje Sildever (TalTech): Baltic Sea ecosystem: diversity and analysis methods	Ilja Maljutenko (TalTech): Digital Twin applications in the Baltic Sea - numerical models supporting decision making	
Break 15:30-16:00					
16:00-17:30	Julia Mindlin (UL): Method of Physical Climate Storylines	Students' short presentations and poster session	Kevin Parnell (TalTech): What causes coastal erosion? Exploring coastal geomorphology by addressing an apparently simple question	Tarmo Soomere (TalTech): Climate change reflections in wave characteristics, wave transport parameters, and water level extremes	
Break 17:30-18:00					
18:00-...	Icebreaker	Students' short presentations and poster session	Visit to the Maritime Museum		
19:00-...				Dinner	



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Participants: up to 50 people.

Registration: The Winter School welcomes PhD students and early career scientists (postdocs) from a broad range of geoscience disciplines, including environmental studies, climate science, physical geography, meteorology, oceanography (physical, chemical, and biological), hydrology, biogeochemistry, and related areas. This interdisciplinary approach ensures a rich and diverse learning environment for participants.

To apply, please submit your application, including a motivation letter, to:
secretariat@baltic.earth

Selection will be based on a "first come, first served" principle, with priority given to PhD students. Early application is encouraged to secure a place in the program.

Deadline for registration: **15 January 2026**

Funding: Participation in the Winter School is free of charge. The organizers will provide facilities, lecture materials, coffee breaks, and lunches. Participants are responsible for covering their own travel expenses. Accommodation options include the Park Inn by Radisson Central Tallinn, where single rooms are available for approximately 65 EUR per night and double/twin rooms for approximately 75 EUR per night (for two people). Additional accommodation options are also available in Tallinn city center. The doctoral school can cover accommodation for students from Estonian universities.

Organizing Team:

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The Baltic Earth Secretariat, <https://baltic.earth/>

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