



Universität
Rostock



Traditio et Innovatio



**International Baltic Earth Winter School for Young Scientists on
"Earth System Science for the Baltic Sea Region"
27 - 31 March 2023**

co-organized by
Leibniz Institute for Baltic Sea Research Warnemünde (IOW), University of Rostock and
International Baltic Earth Secretariat at Helmholtz-Zentrum Hereon
under the umbrella of Baltic Earth (baltic.earth)

Draft Agenda

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**TAL
TECH**



Day	Mon 27/3	Tue 28/3	Wed 29/3	Thu 30/3	Fri 31/3	
09:00-10:30 (2 x 45 min)	Markus Meier: Introduction	Karol Kulinski: Biogeochemistry of the Baltic Sea	Hans von Storch: Detection and attribution	Markus Meier: Climate variability of the Baltic Sea region	Marcus Reckermann: Human impacts and their interaction in the Baltic Sea region	
Break 10:30-11:00						
11:00-12:30 (2 x 45 min)	Urmaz Lips: Submesoscale dynamics in the Baltic Sea	Gregor Rehder: Carbon cycle of the Baltic Sea	Matthias Gröger: Climate extremes	Elinor Andrén: History of the Baltic Sea since the last deglaciation	Discussion about knowledge gaps and summary	
Lunch break 12:30-14:30						
14:30-16:00 (2 x 45 min)	Hans Burchard: Modeling turbulence in the ocean	Bronwyn Cahill: Light, Heat and Carbon Cycling in the Baltic Sea	Martin Stendel: Three centuries of weather observations on board of Danish ships	Jeromé Kaiser: Reconstruction of the natural climate variability of the past 10,000 years		
Break 16:00-16:30						
16:30-18:00 (2 x 45 min)	Poster session by the students	Susanne Kratzer: Ocean color remote sensing	Ralf Weisse: Storm surge physics and storm surge climate - From global scales to the Baltic Sea	Kari Hyytiäinen: Long-run scenarios of drivers and pressures in the Baltic Sea region		

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