

Retreat Program 2023

When: 12.09.2023 12:00 until 15.09.2023 13:00 (+ Excursion to Vernagtferner afterwards)

Where: Universitätszentrum, Gaisbergweg 5, 6456 Obergurgl, Österreich
<https://www.uibk.ac.at/uz-obergurgl/>

Day 1 (12.09.2023)

Time	Topic	
12:00 – 15:30	Arrival, registration and check-in (depending on the traffic situation on the way to Obergurgl, the start of the workshop might be slightly delayed)	
14:30 – 15:30	Welcome coffee	
15:30 - 16:00	Welcome and overview of workshop	M. Braun
16:00 – 17:30	Presentation and discussion of PhD projects: (30 min. each 20+10)	
	Surface elevation changes for the Antarctic Peninsula south of 68° S	A. Warnstedt
	Climate sensitivity of western Antarctic Peninsula ice shelves - Modeling part	L. Wagner
	State of the Perito Moreno Glacier	M. Koch
17:30 – 18:00	Introduction of new PhD students (15 min. each)	
	Mass Continuity Constraints on Ice Ablation in Greenland	D. Pyles
	Resolving seasonal ice velocity of Himalayan glaciers using SAR remote sensing	V. Thota
18:30 – 20:30	Dinner	

Day 2 (13.09.2023)

Time	Topic	
7:30 – 8:30	Breakfast	
8:30 – 10:00	Presentation and discussion of PhD projects: TP 1.1-1.3 (30 min. each 20+10)	
	Multi-frequency digital Radarsystem	L. Krabbe
	SAR Tomography	P. Schlenk
	Radargramm analysis using Deep Learning	N. Gourmelon
10:00 – 10:30	Coffee break	
10:30 - 11:00	Presentation and discussion of PhD projects: (30 min. each 20+10)	
	Ice thickness of the Antarctic Peninsula Ice Sheet	K. Shahateet
11:00 – 12:00	<u>Keynote:</u> „Historic and recent research on the cryosphere of the inner Ötztal“	W. Gurgiser (UIB)
12:00 – 13:30	Lunch	
13:30 – 15:00	Presentation and discussion of PhD projects: TP 2.1-2.3 (30 min. each 20+10)	
	Glacier outlines by means of machine learning	K. Lutz
	SAR signal penetration assessment using AI	A. Campos
	Enhance Volume to Mass conversation	A. Patil
15:00 – 15:30	Coffee break	
15:30 – 16:30	Presentation and discussion of PhD projects: (30 min. each 20+10)	
	Modelling high-mountain climate in New Zealand	E. Kropac
	Instructed Glacier Model and the Data Assimilation	O. Herrmann
16:30 – 17:30	<u>Keynote:</u> „Experimental studies on radar signal interaction with Alpine and Antarctic snow and ice“	H. Rott (ENVEO)
18:30 – 20:30	Dinner	
20:30	Fieldwork impressions	L. Krabbe ...

Day 3 (14.09.2023)

Time	Topic	
7:30 – 8:30	Breakfast	
8:30 – 10:00	<u>Keynote</u> : On the calculation of frontal ablation	F. Navarro (UPM)
10:00 – 10:30	Coffee break	
10:30 – 12:00	Financial planning, joint projects, campaign planning, future workshops, ...	all
12:00 – 12:30	Pickup of packed lunch for excursion	
12:30 – 18:00	Excursion around Obergurgl	M. Braun
18:30 – 20:30	Dinner	

Day 4 (15.09.2023)

Time	Topic	
7:30 – 8:30	Breakfast and check-out	
8:30 – 10:00	Presentation and discussion of PhD projects: TP 3.1-3.3 (30 min. each 20+10)	
	Snow drift and internal re-freezing	M. Saigger
	Deep learning in ice dynamical modelling	KC Mamta
	Mass movement in ice free areas	F. Pfluger
10:00 – 10:30	Coffee break	
11:30 – 11:30	Presentation and discussion of PhD projects: (30 min. each 20+10)	
	t.b.a.	J. Berkhoff
	t.b.a.	V. Prasad
11:30 – 12:00	Wrap-up and outlook	M. Braun T. Seehaus
12:00 – 13:00	Lunch	
13:00	Departure to Vernagt-Hut	