

Programme of the 25th AGM

Thursday, 24 March 2022

09:00	Welcome	
09:15	General information	
09:30	M.M. Magnusson	How did the IGS survive the pandemic
09:45	<i>R. Ambrosini et al.</i>	<i>Mountain glacier biodiversity show temporal and spatial trends at a global scale(online)</i>
10:00	<i>A. Crosta et al.</i>	<i>Microplastics contamination of supraglacial debris differs among glaciers with different anthropic pressure (online)</i>
10:15	<i>B. De Felice et al.</i>	<i>Occurrence of microplastics on glaciers from Northern and Southern hemisphere (online)</i>
10:30-11:00	Coffee break	
11:00	G. Traversa et al.	Glacier foreland characterization in Lombardy region, North Italy
11:15	J. Reinthaler, F. Paul	On the use of high resolution web map services for mapping Little Ice Age glacier extents
11:30	D. Farinotti et al.	Towards an Alpine landscape without glaciers - full of lakes?
11:45	L. Stucchi et al.	Hydrological modelling in support of studying retire of alpine glacier. The case of study of Forni glacier, in Italian Alps of Valtellina
12:00-13:00	Lunch	
13:00-14:00	Short Poster presentations	
14:00	S. Franke et al.	Radio-echo sounding and satellite observations inform about recent and past processes at the ice-sheet base of Jutulstraumen drainage basin (Antarctica)
14:15	<i>S. Lenius et al.</i>	<i>Age-depth distribution at the Beyond EPICA deep ice-core drill site and influence of the basal ice unit on dynamic behavior (online)</i>
14:30	E. Mantelli et al.	Layer geometry as a constraint on the physics of sliding onset
14:45	<i>N. Dematteis et al.</i>	<i>Evidences of Bedrock Forcing on Glacier Morphodynamics (online)</i>
15:00-15:30	Coffee break	
15:30	<i>F. Oraschewski et al.</i>	<i>Investigating the deeper internal stratigraphy of alpine glaciers using a phase coherent radar (online)</i>
15:45	P.E. Egli et al.	Subglacial channels, climate warming and increasing frequency of alpine glacier snout collapse
16:00	A. Pohle et al.	Using artificial moulins to characterise englacial R-channels
16:15	F. Paul et al.	Three different glacier surges at a spot: What satellites observe and what not
16:30	R. Bhambri	Surge glaciers and associated hazards in the Karakoram
16:45-17:45	Live Poster Session	

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09:00	General information	
09:15	A. Voordendag et al.	A long range permanent TLS system at Hintereisferner (Austria) - possibilities for glacier mass balance measurements
09:30	L. Nicholson	A glacier group within the TEAMx (Multi-scale transport and exchange processes in the atmosphere over mountains) programme and experiment?
09:45	P. Perret et al.	Reconstruction and numerical simulation of ice avalanches from the Grandes Jorasses glaciers (Italy)

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10:00	<i>F. Brun et al.</i>	<i>Multi-temporal elevation changes of Fedchenko Glacier, Tajikistan (1928-1958-1980-2010-2017-2019) (online)</i>
10:15	C. Vincent, E. Thibert	Do the temperature index models provide a linear response of annual mass balances to air temperature and precipitation?
10:30-11:00	Coffee break	
11:00	<i>N. Singh, L. Montagnani</i>	<i>Tree isotopic records suggest seasonal importance of moisture dynamics over glacial valleys of the Central Himalaya (online)</i>
11:15	S. Balasubramanian et al.	The surprising weather conditions favoring Icestupas
11:30	D. Brombierstäudl et al.	Aufeis: A neglected cryosphere component in the Trans-Himalaya of Ladakh
11:45	S. Mohd et al.	Towards understanding catchment hydrology: an application of a temperature index-based coupled surface/subsurface hydrological model in Stok catchment, Ladakh Himalaya
12:00-13:00	Lunch	
13:00	<i>J. Abermann et al.</i>	<i>A centennial perspective of glacier-climate change in West Greenland (online)</i>
13:15	T.Y. Chen	Big Data for Alpine Glaciology in a Changing Climate
13:30	<i>J. Bolibar et al.</i>	<i>Nonlinear sensitivity of glacier mass balance to future climate change unveiled by deep learning (online)</i>
13:45	<i>A. Kellerer-Pirklbauer et al.</i>	Long-term evolution and present conditions of a large rock glacier system at Bjørneø Island, SW Greenland (online)
14:00	<i>B. di Mauro et al.</i>	<i>Multispectral and thermal UAV surveys of the Zebrù glacier (Ortles-Cevedale group) (online)</i>
14:15-14:30	Coffee break	
14:30	<i>A. Securo et al.</i>	<i>Structure from Motion and Ground Penetrating Radar for reliable mass balance and volume estimation of ice in caves (online)</i>
14:45	A. Groos, N. Brand	Atmospheric sounding of the boundary layer over alpine glaciers using fixed-wing UAVs
15:00	O. Eisen et al.	30 years of surface snow accumulation measurements at Neumayer station, Antarctica
15:15	E. Miles, F. Pellicciotti	Progress in resolving surface mass balance patterns in the Pamirs from remote sensing
15:30	<i>I. Hansche, W. Schöner</i>	<i>A new initiative to present the cryosphere monitoring in Austria to stakeholders and the public (online)</i>
15:45-16:00	Closing of meeting	

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Posters

J.A.N. Shokory, S.N. Lane	Debris covered glacier mapping and drivers of glacier debris-cover development in the Afghan Hindu Kush Himalaya
F. Fuso et al.	Projection of snow cover in Lombardy Alps under climate change scenarios
L. Mondardini et al.	Local variability of small Alpine glaciers: Thoula glacier geodetic mass balance reconstruction (1991-2020) and analysis of volumetric variations
F. Troilo et al.	Basal thermal regime investigations at Whymper hanging Glacier (Aosta Valley - Italy)
M. Rückamp, C. Mayer	3D Modelling of Debris-Covered Glaciers
A. Lambrecht et al.	Investigating snow melt at a high alpine glacier plateau
W. Hagg et al.	GLOF hazard assessment by hydrodynamic modelling: a case study in Bhutan
T. Dobler et al.	Detection of potentially highly crevassed areas by a minimum of geometric information - a parameter based approach on Vernagtferner
C. Sommer	Constraining regional glacier thickness estimates with retreat observations in the European Alps
A. Ishaq et al.	Dry and wet snow: snow line altitudes in Upper Hunza, Pakistan
L. Nicholson	Girls on Ice Austria
A. Wendleder et al.	Seasonal evolution of supraglacial lakes on Baltoro Glacier from 2016 to 2020
G. Doppiu et al.	The Glac-UP system
T. Seehaus et al.	FAU Glacier Portal: Freely available Sentinel-1 glacier velocities data base