



DAY 1 : 1st of March 2018

09:00 – 09:20	Arrivals
09:20 – 09:30	Welcome Address
09:30 – 09:45	Victor Tsai - <i>California Institute of Technology, United States</i> A simple physics-based improvement to the positive degree day model
09:45 – 10:00	Andreas Bauder - <i>VAW, ETH Zurich, Switzerland</i> Winter Accumulation Measurements using multi-offset GPR
10:00 – 10:15	Nicolas Champollion - <i>IGE, Univ. Grenoble Alpes, France</i> Glacier mass loss commitment limits influence of climate change mitigation on glaciers
10:15 – 10:30	Sophie Schiavone - <i>UMR 6049 ThéMA, Université de Franche Comté, Besançon, France</i> 10 years of monitoring in the Austre Lovén glacier basin (Svalbard): results, and perspectives
10:30 – 11:00	Break
11:00 – 11:15	Mauro Werder - <i>VAW, ETH Zurich, Switzerland</i> The roughness of englacial R-channels as determined by laboratory and numerical experiments
11:15 – 11:30	Melchior Grab - <i>VAW, ETH Zurich, Switzerland</i> Surveying the ice volume and bedrock topography with helicopter-borne GPR – toward a complete inventory of Swiss glaciers
11:30 – 11:45	G. J. Church - <i>Laboratory of Hydraulics, Hydrology and Glaciology, ETH Zürich</i> Rhône Glacier proglacial lake outlook and englacial reflectivity analysis using combined ground penetrating radar and seismic geophysical analysis
11:45 – 12:00	Florent Gimbert - <i>IGE, Univ. Grenoble Alpes, France</i> Validating glacier sliding theories from observations at a natural scale
12:00 – 12:15	Loris Compagno - <i>VAW, ETH Zurich, Zurich, Switzerland</i> The reappearance of a crashed airplane on Gauligletscher
12:15 – 12:30	Tristan Brauchli – <i>EPFL, Lausanne, Switzerland</i> Influence of Slope-Scale Snowmelt on Catchment Response Simulated With the Alpine3D Model
12:30 – 14:00	Lunch
14:00 – 14:15	Martin Funk - <i>VAW, ETH Zurich, Switzerland</i> Ice Break-off at the Weissmies North Face
14:15 – 14:30	Fabrizio Troilo - <i>Fondazione Montagna sicura, Courmayeur, Aosta Valley, Italy</i> Ice-Rock Avalanche risk assessment on the Brenva Glacier (Courmayeur, Aosta Valley, Italy)
14:30 – 14:45	Joseph Shea - <i>University of Northern British Columbia, Prince George, Canada</i> Melt rates of buried stagnant ice
14:45 – 15:00	Martina Barandun - <i>Department of Geosciences, University of Fribourg, Fribourg, Switzerland</i> Region-wide estimate of annual glacier mass balance for Central Asia from 2000 to 2017
15:00 – 15:15	Emmanuel Thibert - <i>Université Grenoble Alpes, Irstea, UR ETNA, France</i> Causes of glacier melt extremes in the Alps since 1949
15:15 – 15:30	Gabriela Collao-Barríos - <i>IGE, Univ. Grenoble Alpes, France</i> Patagonian surface mass balance sensitivity to regional climatic changes
15:30 – 15:45	Neil Rosborough - <i>Queen's University Belfast, School of Natural and Built Environment, Belfast, UK</i> Correlations of modelled threshold melt temperatures and remotely sensed glacier variables
15:45 – 17:30	Break and Poster Session

DAY 2 : 2nd of March 2018

08:45 – 09:00	Magnús Már Magnússon - <i>Secretary General IGS Cambridge, UK</i> The IGS in a changing world
09:00 – 09:15	Elena Bertoni - <i>Uppsala University, Sweden</i> Into the bowels of the Mandrone glacier (Alps, Italy)
09:15 – 09:30	Reinhard Drews - <i>Univ.Tuebingen, Germany</i> Actively evolving subglacial conduits and eskers initiate ice shelf channels at an Antarctic grounding line
09:30 – 09:45	Fabien Maussion – <i>Innsbruck, Austria</i> The Open Global Glacier Model (OGGM): a new community model for glacier dynamics applicable at the global scale
09:45 – 10:00	Olaf Eisen - <i>Alfred Wegener Institut, Germany</i> Extreme spatial variability of crystal fabric in Alpine ice core
10:00 – 10:15	Olivier Gagliardini - <i>IGE, Univ. Grenoble Alpes, France</i> Influence of an increasing surface melt over decadal timescales on land terminating outlet glaciers
10:15 – 10:45	Break
10:45 – 11:00	Mattia Callegari - <i>Eurac Research, Institute for Earth Observation, Bolzano, Italy</i> Alpine glacier monitoring through satellite virtual constellations
11:00 – 11:15	Philipp Malz - <i>Department of Geography and Geosciences, University of Erlangen-Nürnberg, Germany</i> Elevation Changes and Geodetic Mass Balance of Glaciers in High Asia
11:15 – 11:30	Luca Davaze - <i>IGE, Univ.Grenoble Alpes,France</i> A new algorithm to automatically derive the glacier end-of-summer snowline from optical satellite images
11:30 – 11:45	Frank Paul - <i>Department of Geography, University of Zurich, Zurich, Switzerland</i> Using Sentinel 2 and the ArcticDEM to create a new glacier inventory for Franz-Josef-Land, Russian Arctic
11:45 – 12:00	Michael Imhof - <i>VAW, ETH Zurich, Switzerland</i> Modelled and reconstructed ice surface elevation of the Rhine Glacier during the Last Glacial Maximum
12:00 – 12:15	Benjamin Lehmann - <i>Institute of Earth Surface Dynamics, Faculty of Geosciences and Environment, University of Lausanne, Lausanne</i> Surface exposure dating and ice-extent reconstruction in the Mont Blanc massif (Mer de Glace)
12:15 – 13:45	Lunch
13:45 – 14:00	Christoph Mayer - <i>Geodesy and Glaciology, Bavarian Academy of Sciences and Humanities, Munich, Germany</i> Mass balance conditions of Fedchenko Glacier, Pamir Mountains, a case study for investigating different input parameters
14:00 – 14:15	Marlene Kronenberg - <i>Department of Geosciences, University of Fribourg, Switzerland</i> Historical and recent firn investigations on Abramov glacier, Kyrgyzstan
14:15 – 14:30	Fanny Brun - <i>IGE, Univ. Grenoble Alpes, France</i> Ice cliffs cannot explain the 'debris-cover anomaly': a case study on Changri Nup Glacier, Nepal, Central Himalaya
14:30 – 14:45	Christian Vincent - <i>IGE, Univ. Grenoble Alpes, France</i> Why do the dark and light ogives of Forbes bands have similar surface mass balances?

Poster session Programme

Azzoni et al.	
Bonnefoy-Demongeot et al.	A century of volume changes for Glacier Blanc (Ecrins Range, French Alps) from historical maps and aerial photogrammetry
Colluci R. et al.	
Condom et al.	Spatio-temporal variability of the precipitation into the Arve catchment at Chamonix (Northern French Alps)
Delaney et al.	Subglacial sediment discharge from Gornergletscher: measurements and modeling
Deschamps-Berger et al.	Measuring mountainous snowpack thickness with Pléiades high resolution stereo-images
Duvillard et al.	Damages on high-mountain infrastructure in the french Alps: a warning sign on the permafrost fast degradation?
Egli et al.	Detection of subglacial channels with Ground Penetrating Radar : a study at Glacier d'Otemma, Switzerland
Förster et al.	Applying the ice flow model Úa to the Alpine region: first simulations of Rhonegletscher
Gottardelli et al.	A research about the water volume resource of the debris-covered glaciers in the Aosta Valley
Gräff et al.	High Frequency Pressure Oscillations at the Bed of Rhonegletscher
Gregor et al.	Plans for improving the OGGM ice thickness inversion module with a 2D shallow ice dynamic model
Groos et al.	The potential of low-cost UAVs and open-source photogrammetry software to obtain high-resolution glacier surface information: an example from the Kanderfirn (Swiss Alps)
Huwald et al.	Local Surface Mass Balance in East Antarctica
Irrazaval et al.	Stochastic subglacial drainage model for data assimilation
Lambrecht et al.	Glaciological investigations at Fedchenko Glacier, Pamir Mountains
Lefauconnier et al.	Sixty years of glacier mass balances in Svalbard
Lüthi et al.	Calorimetric in-situ determination of the unfrozen water content in glacier ice
Marsy et al.	Monitoring rock glacier by optical stereoscopic "time-lapse" device
Mercenier et al.	Modeling ice break off at the glacier front
Mourrey et al.	The effects of climate change on high mountain environments : evolution of mountaineering routes in the Mont Blanc massif over half a century
Nanni et al.	Seismic observations of the subglacial environment and implications for the physics of glacier sliding. Preliminary results and perspectives on the Argentiere glacier (Mt Blanc).
Nelly et al.	
Nigrelli et al.	Monitoring rock and debris temperature in the Bessanese glacial basin: the RiST project",
Oberrauch et al.	The Upper Grindelwald Glacier as indicator for Holocene climate variability?
Peinke et al.	Analysis of cone penetration tests in snow with X-Ray tomography
Ravelin et al.	Multi-parameter monitoring of the construction and evolution of a snow bridge over a crevasse on an Alpine glacier
Reveillet et al.	Relative performance of empirical and physical models in assessing the seasonal and annual glacier surface mass balance of Saint-Sorlin glacier (French Alps)
Smiraglia et al.	For a better understanding of the glacier and environment evolution: glaciological trails around the Italian Alps
Sommer et al.	Glacier elevation and mass change in South America from TanDEM-X and SRTM C-band DEMs
Styllas et al.	Mediterranean perennial snowfields and ice bodies on the brink of extinction. The story of Mount Olympus, Greece
Van Dongen et al.	Monitoring of multi calving glaciers using long-range UAVs in Northwest Greenland
Vernesi et al.	The CALICE project: Calibrating Plant Biodiversity in Glacier Ice
Viani et al.	Different approaches to modeling the hydro-glaciological behavior of the Arve catchment at Chamonix during the last decades (Northern French Alps)
Walter et al.	Using terrestrial radar interferometry to analyse calving activity
Wirbel et al.	Modelling debris transport within glaciers

To France (Lyon) / Switzerland (Geneva)

