

ICAM 2017 programme

	Monday	Tuesday	Wednesday	Thursday	Friday
08:30	Registration from 08:00	Invited talk on Icelandic glaciers	Pavla Dagsson Waldhauser	Dino Zardi	Hálfdán Ágústsson
08:45	Welcome		Nikolas Aksamit	Chantal Staquet	Alexandre Paci
09:00	Invited talk on Icelandic volcanoes	Jim Steenburgh	Alec Van Herwijnen	Julian Quimbayo-Duarte	Mireia Udina
09:15		Byung-Gon Kim	Federico Garavaglia	Hans-Stefan Bauer	Daniel Martinez-Villagrasa
09:30	Dale Durran	Curtis James	Jean-Philippe Vidal	Gert-Jan Duine	Marco Falocchi
09:45	Florentin Damiens	Maximiliano Viale	Nora Helbig	Francesco Comola	Jutta Metzger
10:00	Alexander Gohm	David Kingsmill	Mimi Hughes	Yasmin Markl	Kathrin Baumann-Stanzer
10:15	Lukas Umek	Mario Marcello Miglietta	Matthieu Le Lay	Andrea Montani	Guðrún Nína Petersen
10:30	Coffee & Poster P1	Coffee & Poster P3	Coffee	Coffee & Poster P5	Coffee & Posters P7
10:45			Günther Zängl		
11:00					
11:15	Ron Smith	Samantha Smith	Matteo Buzzi	Joan Cuxart	Dave Whiteman
11:30	Martina Tudor	Nikola Besic	Xiaohua Yang	Charles Chemel	Branca Ivancan-Picek
11:45	Maria Vittoria Guarino	Yoo-Jun Kim	Iris Odak Plenkovic	Lorenzo Giovannini	Benedikt Bica
12:00	Stefano Serafin	Ron Smith	Damian Wojcik	Tiphaine Sabatier	Closing
12:15	Andrew Ross	Adriana Bailey	Haraldur Ólafsson	Martin Piringer	
12:30	Lunch	Lunch	Lunch, Group photo, Excursion and Dinner	Lunch	
12:45					
13:00					
13:15					
13:20					
13:45	Weather forecast	Weather forecast		Weather forecast	
14:00	Hans Volkert	Howard Bluestein		James Doyle	
14:15	David Muraki	Max Menchaca		Brigitta Goger	
14:30	Ioana Colfescu	Ulrike Romatschke		Nevio Babic	
14:45	Christopher Kruse	Miguel A. C. Teixeira		Manuela Lehner	
15:00	Georg Mayr	Bianca Adler		Zeljko Vecanaj	
15:15	Richard Rotunno	Kristian Horvath		Ivana Stiperski	
15:30	Coffee & Poster P2	Coffee & Poster P4		Coffee & Poster P6	
15:45					
16:00					
16:15	Evelyne Richard	Vanda Grubisic		Eric P. Kelsey	
16:30	Gregor Skok	Bart Geerts		Kristian Ingvaldssen	
16:45		Kent Moore		Luca Panziera	
17:00		Byoung-Choel Choi		Marco Gabella	
17:15				Andre Pattantyus	
17:30	Reception in Reykjavík City hall			Ian Renfrew	
17:45				Sascha Bellaire	
18:00			Presidential reception		Optional evening excursion if weather permits

Oral presentations:

Orals	Surname	Firstname	Title
O1.1	Guðmundsson	Magnús Tumi	An invited talk on Icelandic volcanoes
O1.2	Durran	Dale	The influence of an isolated ridge on a mid-latitude cyclone and upper level jet.
O1.3	Damiens	Florentin	An adiabatic Foehn effect
O1.4	Gohm	Alexander	Penetration and interruption of Alpine foehn (PIANO): Description of upcoming field experiment
O1.5	Umek	Lukas	Penetration and interruption of Alpine foehn (PIANO): preliminary high-resolution numerical simulations
O2.1	Smith	Ron	Broad spectrum mountain waves
O2.2	Tudor	Martina	Influence of surface roughness on downslope windstorms and mountain waves
O2.3	Guarino	Maria Vittoria	Mountain wave turbulence in the presence of directional wind shear over the Rocky Mountains
O2.4	Stefano	Serafin	A simple model for the amplitude of lee waves on the boundary-layer inversion
O2.5	Ross	Andrew	Wake formation in the lee of a small but high island: modelling and observations
O3.1	Volkert	Hans	Mountain waves and cloud bands: case studies of 21 May 1937 and 1 February 2014 within a long research tradition
O3.2	Muraki	David	Gravity waves generated at small Rossby number by large amplitude topography
O3.3	Colfescu	Ioana	Detection of gravity waves across the Snaefellsnes Peninsula: A case study
O3.4	Kruse	Christopher	Mountain wave attenuation and momentum deposition in sheared environments
O3.5	Mayr	Georg	The community foehn classification experiment
O3.6	Rotunno	Richard	Origin of the lee-side hydraulic jump
O4.1	Richard	Evelyne	Heavy Precipitation and Flash Flood Events over Eastern Pyrennes
O4.2	Skok	Gregor	Forecast verification of precipitation and wind in complex terrain
O5.1	Jóhannesson	Tómas	An invited talk on Icelandic glaciers
O5.2	Steenburgh	Jim	The Enhancement of Lake-Effect Precipitation over the Tug Hill Plateau during the Ontario Winter Lake-effect Systems (OWLeS) Field Program
O5.3	Kim	Byung-Gon	Characteristics of Easterly-Induced Snowfall in the Yeongdong region of Korea
O5.4	James	Curtis	Simulations of convective flash flood events in southern Switzerland
O5.5	Viale	Maximiliano	Orographic effects of the subtropical and extratropical Andes on precipitating clouds
O5.6	Kingsmill	David	Terrain-trapped airflows and orographic rainfall along the coast of northern California: Horizontal and vertical structures of kinematics and precipitation
O5.7	Miglietta	Mario Marcello	Role of the orography in the generation of a tornadic supercell in the Mediterranean
O6.1	Smith	Samantha	Use of a sub-grid orographic rain enhancement scheme in the MetUM
O6.2	Panziera	Luca	Dual-pol radar based hydrometeor classification: analysis of orographic precipitation mechanisms
O6.3	Kim	Yoo-Jun	Study on characteristics of snow crystal from the two-layer cloud structure in Yeongdong region of Korean Peninsula
O6.4	Smith	Ron	Numerical Study of Physical Processes Controlling Summer Precipitation over the Western Ghats Region

O6.5	Bailey	Adriana	Precipitation scavenging effects on Mt. Washington cloud chemistry
O7.1	Bluestein	Howard	The environment of orographic wave clouds in the lee of the Colorado Front Range (and Oklahoma)
O7.2	Menchaca	Max	The Influence of Mountain-Forced Waves on the Atmospheric Kinetic Energy Spectrum
O7.3	Romatschke	Ulrike	Photogrammetric analysis of rotor clouds observed during T-REX
O7.4	Teixeira	Miguel A.C	Trapped lee waves at an inversion in flow over axisymmetric hills: theory and laboratory measurements of the drag
O7.5	Adler	Bianca	The impact of upstream flow on the boundary layer in a valley – observations and high-resolution simulations
O7.6	Horvath	Kristian	Observational and numerical analysis of pulsations and turbulence in a bora downslope windstorm event
O8.1	Grubisic	Vanda	Atmospheric rotors, downslope windstorms and severe turbulence in a deep long valley
O8.2	Geerts	Bart	Radar kinematic information as surrogate for isentropes in stratiform orographic storms
O8.3	Moore	Kent	The impact of resolution on the representation of wind field in the vicinity of large Greenlandic fjords
O8.4	Choi	Byoung-Choel	Observation plans of ICE-POP2018 and the preliminary results
O9.1	Dagsson Waldhauserova	Pavla	Impact of Icelandic volcanic dust on cryosphere
O9.2	Aksamit	Nikolas	Coherent structures in the alpine atmospheric surface layer coupled with blowing snow response
O9.3	Van Herwijnen	Alec	Investigating time scales in the meteorological forcing on snow avalanche activity
O9.4	Garavaglia	Federico	MODIS snow cover data for calibration and evaluation of hydrological models in French mountainous regions
O9.5	Vidal	Jean-Philippe	Hydrometeorological reconstruction of snow-influenced streamflow series in France since 1871
O9.6	Helbig	Nora	Parameterizing surface wind speed in complex topography for coarse-scale models
O9.7	Hughes	Mimi	Dynamical downscaling overcomes deficiencies in gridded precipitation products in the Sierra Nevada, California
O9.8	Le Lay	Matthieu	Glacio-hydrological modelling on few alpine catchments: from recent past simulation to scenarios of future evolution.
O10.1	Zängl	Günther	Cooling by melting snowfall in Alpine valleys: could its predictability get improved in the near future?
O10.2	Buzzi	Matteo	Real time bias correction of very high resolution weather forecasting models for nowcasting in complex terrain
O10.3	Yang	Xiaohua	Sub-kilometer modelling in operational NWP for areas with complex orography
O10.4	Odak Plenkovic	Iris	Wind speed analog-based predictions in complex topography
O10.5	Wojcik	Damian	Anelastic and compressible EULAG solvers for limited-area numerical Alpine weather prediction in the COSMO consortium
O10.6	Ólafsson	Haraldur	Mountains and meteorological and climatological extremes in Iceland
O11.1	Zardi	Dino	Experimental validation of a modelling chain simulating the dispersion of pollutants from the incinerator of Bolzano (Italy)
O11.2	Staquet	Chantal	On the relationship between atmospheric dynamics and PM10 concentration in the Arve Valley around Passy
O11.3	Quimbayo-Duarte	Julian	Impact of along-valley orographic variations on the dispersion of passive tracers in a stable atmosphere: an idealized study.
O11.4	Bauer	Hans-Stefan	Investigation and evaluation of atmospheric processes in orographic terrain applying the WRF model with very high resolution: examples from selected cases
O11.5	Duine	Gert-Jan	Influence of horizontal grid spacing in mountainous terrain on simulated planetary boundary layer depths in large-scale transport models
O11.6	Comola	Francesco	Large eddy simulation of snowfall preferential deposition over complex topography
O11.7	Rotach	Mathias	The spatial variability of the temperature structure in a major east-west oriented valley in the Alps
O11.8	Montani	Andrea	Limited-area ensemble forecasts during Sochi-2014 Winter Olympics: multi-model vs single-model approach

O12.1	Cuxart	Joan	Evolution of the temperature profile during the life-cycle of a valley-confined cold-pool in the Pyrenees
O12.2	Chemel	Charles	Local and non-local controls on a persistent cold-air pool in the Arve River Valley
O12.3	Giovannini	Lorenzo	The thermally driven wind system of the Adige Valley in the Alps
O12.4	Sabatier	Tiphaine	Wintertime circulation in the Chamonix-Mont-Blanc valley from scanning wind lidar measurements (Passy-2015 field experiment) and numerical simulations
O12.5	Piringer	Martin	Boundary-layer profiling with ceilometers in complex terrain
O13.1	Doyle	James	Trailing Mountain Waves
O13.2	Goger	Brigitta	How essential are 3D shear effects for the representation of the turbulence kinetic energy (TKE) structure in an Alpine valley?
O13.3	Babic	Nevio	Characteristics of the spectral gap in a valley convective boundary layer
O13.4	Lehner	Manuela	Spatial variations in the diurnal cycle of turbulent fluxes in an east-west oriented valley
O13.5	Vecenaj	Željko	Integral length scales in atmospheric surface boundary layers
O13.6	Calaf	Mark	Dependence of similarity theory on turbulence anisotropy
O14.1	Kelsey	Eric P.	The Impact of Mount Washington on the Vertical Structure of Temperature and Moisture and the Height of the Boundary Layer
O14.2	Ingvaldsen	Kristian	Impact of higher boundary temperatures on simulations of atmospheric ice accretion on structures during the 2015-2016 icing winter in West-Norway
O14.3	Panziera	Luca	Daily and sub-daily extreme rainfall over the Swiss Alps: a climatology
O14.4	Gabella	Marco	Multi-sensor precipitation estimation in the Alps: challenges and opportunities
O14.5	Pattantyus	Andre	US Army Research Lab's Meteorological Sensor Array
O14.6	Renfrew	Ian	The causes of foehn warming in the lee of mountains
O14.7	Bellaire	Sascha	On forecasting snow surface temperature in complex alpine terrain
O15.1	Ágústsson	Hálfdrán	Examples of applications of mesoscale meteorology in the complex orography of Norway
O15.2	Paci	Alexandre	The Cerdanya-2017 field experiment: an overview of the campaign and a few preliminary results
O15.3	Udina	Mireia	Downslope windstorms, mountain waves, orographic precipitation and associated processes analysis during 10-17 January 2017 in The Cerdanya-2017 field experiment
O15.4	Martinez-Villagrasa	Daniel	The Cerdanya Cold Pool Experiment 2015 (CCP15): a field campaign study of the cold pool in the largest pyrenean valley
O15.5	Falocchi	Marco	Lidar observations and high-resolution modelling of a wind jet at the exit of the Isarco Valley (Italy)
O15.6	Metzger	Jutta	Periodic wind systems in the Dead Sea valley – first comprehensive measurements of their characteristics and evolution
O15.7	Baumann-Stanzer	Kathrin	Long-range transport to summits north, south and at the Eastern Alpine divide – an outstanding Sahara dust event
O15.8	Petersen	Guðrún Nína	Gap wind and wakes in SE-Iceland on 18 October 2016
O16.1	Whiteman	Dave	Interactions of a mesoscale katabatic flow with a small crater basin to produce cold and warm air intrusions, flow bifurcations and a hydraulic jump
O16.2	Ivancan-Picek	Branka	Processes leading to heavy precipitation over north-eastern Adriatic during the HyMeX SOP1
O16.3	Bica	Benedikt	INCA analysis and nowcasting as part of the international collaborative experiments for the PyeongChang Olympic and Paralympic Games 2018 (ICE-POP 2018)

Poster presentations:

Poster	Surname	Firstname	TITLE
P1.1	Guarino	Maria Vittoria	The effects of directional wind shear on CAT generation by orographic gravity-wave breaking
P1.2	Kruse	Christopher	Comparison of resolved and parameterized orographic gravity waves over New Zealand, the Andes, and the Himalayas
P1.3	Udina	Mireia	Mountain wave events and associated rotors over the Pyrenees during The Cerdanya-2017 field experiment: observations and model simulations
P1.4	Teixeira	Miguel A.C	The importance of boundary layer friction in the representation of lee rotor onset using linear theory
P1.5	Stiperski	Ivana	Water tank experiments on stratified flow over double mountain-shaped obstacles at high-Reynolds number
P1.6	Horvath	Kristian	Numerical analysis of a ducted internal gravity-wave package causing an exceptional meteotsunami event in the Adriatic
P1.7	Álvarez	Manuel	An unexpected severe downslope wind event in Catalonia
P1.8	Nikolov	Dimitar	History of the mountain meteorology in Bulgaria
P2.1	Steenburgh	Jim	Validation of Global Ensemble Precipitation Forecasts and the Implications of Statistical Downscaling over the Western U.S.
P2.2	Steenburgh	Jim	Validation and Intercomparison of Quantitative Precipitation Forecasts from the NCAR Cloud-Permitting Ensemble and Operational Models over the Western U.S.
P2.3	Tudor	Martina	Air pressure disturbances that cause meteotsunamis
P2.4	Tudor	Martina	Sea surface temperature and forecast precipitation on the surrounding mountains
P2.5	Serafin	Stefano	Measurements and probabilistic forecasting of ice formation on wind turbines at a hilltop site in Germany
P2.6	Piotrowski	Zbigniew	Consistent implicit compressible/soundproof EULAG dynamical core for COSMO model - status and challenges
P2.7	Álvarez Téllez	Manuel	Towards an operational method to forecast snow events at low altitude in Catalonia
P2.8	Kirchgaessner	Amélie	Föhn events across the Antarctic Peninsula and their connection to local and regional meteorology
P3.1	Kingsmill	David	Terrain-trapped airflows and orographic rainfall along the coast of northern California: Long-term kinematic and precipitation characteristics
P3.2	Skok	Gregor	Comparison and optimization of radar based hail detection algorithms in Slovenia
P3.3	Smith	Ron	Isotope Fractionation and Orographic Precipitation over New Zealand
P3.4	Durran	Dale	What causes weak orographic rain shadows? Insights from case studies in the cascades and idealized simulations.
P3.5	Grubisic	Vanda	Winter precipitation efficiency of mountain ranges in the Colorado Rockies under climate change
P3.6	Viale	Maximiliano	Precipitation impacts of atmospheric rivers on the west coast of southern South America
P4.1	Gugerli	Rebecca	Using a cosmic ray sensor and weather radar composites to estimate the snow water equivalent on a Swiss glacier
P4.2	Zardi	Dino	Accuracy of high-resolution gridded precipitation and temperature datasets in the Alps: evaluation by hydrological modelling in the Adige catchment (Italy)
P4.3	Richter	Bettina	Forcing snow cover models with meteorological data to derive snow instability for avalanche forecasting
P4.4	Bellaire	Sascha	Measured and modeled snow cover properties across the Greenland Ice Sheet
P4.5	Bellaire	Sascha	On forecasting wet-snow avalanche activity using simulated snow cover data
P4.6	Ross	Andrew	The impact of foehn winds on the Larsen C ice shelf, Antarctic Peninsula

P4.7	Nikolov	Dimitar	Recent Tendencies in the Regime of the Snow Cover Seasonal Maxima in the Mountain Regions of Bulgaria - Preliminary Results
P4.8	porsteinsson	porsteinn	Global Cryosphere Watch
P4.9	Koh	Daehong	Characteristics of Heavy Snowfall and Snow Crystal Habits in the ESSAY (Experiment on Snow Storms At Yeongdong) Campaign in Korea
P5.1	Skok	Gregor	Nocturnal cooling in a very shallow cold air pool
P5.2	Kalthoff	Norbert	Exchange processes in the boundary layer over a mountainous island – observations and high-resolution simulations
P5.3	Price	Jeremy	LANFEX: Understanding fog behaviour in a region of small hills.
P5.4	Price	Jeremy	High resolution modelling of fog formation in complex terrain
P5.5	Lehner	Manuela	Temperature and wind speed oscillations at Arizona's Meteor Crater
P5.6	Palomaki	Ross	Meteorological observations in a valley during the 21 August 2017 solar eclipse
P5.7	Babic	Nevio	Convective plumes in a daytime valley atmosphere: Structure, scaling and flux contributions
P5.8	Hrastinski	Mario	Comparison of different configurations of the TOUCANS system of turbulence parametrizations
P5.9	Giovannini	Lorenzo	Air quality management along the Brenner corridor in the Italian Alps: the BrennerLEC project
P5.10	Duine	Gert-Jan	Greenhouse gas budgets and convective boundary layer heights in mountainous terrain
P5.11	Schmidli	Juerg	Predicting local winds in a deep Alpine valley under fair weather conditions
P5.12	Martinez-Villagrasa	Daniel	Influence of a valley exit jet on the experimental site of the BLLAST field campaign
P5.13	Stiperski	Ivana	Scale interactions in katabatic flows
P5.14	Stiperski	Ivana	Scaling the downslope flows in mountainous terrain
P6.1	Fazzini	Massimiliano	Earthquake-triggered avalanches along Central Apennines (Italy) in January 18th, 2017.
P6.2	Skok	Gregor	Objective climate classification of Slovenia
P6.3	Zoran	Maria	Carpathian mountain forest vegetation and its responses to extreme climate stressors
P6.4	Savastru	Roxana	Climate changes impacts on mountain vegetation land cover from time-series satellite imagery
P6.5	Renfrew	Ian	Meteorological controls on local and regional volcanic ash dispersal
P6.6	Fazzini	Massimiliano	Extreme temperatures in the cold air pool of the central Apennines (Italy): comparison with those of the Veneto Pre-Alps during winter 2016-17
P6.7	Fazzini	Massimiliano	Intense snowfalls of January 2017 along the central-southern Apennines (Italy), in comparisons with the 2015, 2012 and 205 events.
P6.8	Baumann-Stanzer	Kathrin	Environmental Research and Monitoring at Sonnblick Observatory
P6.9	Trapero	Laura	CLIM'PY: Characterization of the evolution of climate and provision of information for adaptation in the Pyrenees
P6.10	Martinez-Villagrasa	Daniel	BOU: a low-cost tethered balloon sensing system for monitoring the lower atmospheric boundary-layer
P6.11	Fazzini	Massimiliano	Identification of the annual 0°C and -1°C isotherms current elevation and recent altimetric trends in the Italian Eastern Alps
P6.12	Fazzini	Massimiliano	Glacial morpho-climatic system analysis of the swedish lapland using remote sensing technology
P6.13	Keil	Christian	Orography as a source of predictability of deep convection
P6.14	Ewanlen	Rufus	Strong Relationship Between Dry-Season Rainfall Over West Africa And Extratropical Disturbance.

P7.1	Dagsson Waldhauserova	Pavla	Winter and high-altitude dust size distributions with the balloon-borne Light Optical Aerosol Counter (LOAC)
P7.2	Trapero	Laura	GWOP'17: Gravity Waves, Orographic Precipitation and related processes in The Cerdanya-2017 field experiment
P7.3	Portele	Tanja Christina	How do orographic and non-orographic gravity wave events during DEEPWAVE compare in measurements and ECMWF model data?
P7.4	Metz	Johnathan	Mountain wave momentum fluxes in evolving large scale flows and complex terrain: perspectives from DEEPWAVE
P7.5	Stiperski	Ivana	Turbulence characteristics and scaling of katabatic flows on a shallow slope
P7.6	Furevik	Birgitte	Building 'extreme' bridges in complex terrain – Observing and simulating the atmospheric conditions in Sulafjorden for the E39 project of the Norwegian Public Roads Administration
P7.7	Pinty	Jean-Pierre	Sensitivity of orographic precipitation to aerosols, a HyMeX case study.
P7.8	Thorsteinsson	Sigurdur	Orographic influence of Greenland on two cyclones