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<tr>
<th>Time</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
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<tr>
<td>08:30</td>
<td>Registration from 08:00</td>
<td>Invited talk on Icelandic glaciers</td>
<td>Pavla Dagsson Waldhauser</td>
<td>Dino Zardi</td>
<td>Hálfdán Ágústsson</td>
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<tr>
<td>08:45</td>
<td>Welcome</td>
<td></td>
<td>Nikolas Aksamit</td>
<td>Chantal Staquet</td>
<td>Alexandre Paci</td>
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<tr>
<td>09:00</td>
<td>Invited talk on Icelandic volcanoes</td>
<td></td>
<td>Jim Steenburgh</td>
<td>Alec Van Herwijnen</td>
<td>Julian Quimbayo-Duarte</td>
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<tr>
<td>09:15</td>
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<td>Byung-Gon Kim</td>
<td>Federico Garavaglia</td>
<td>Hans-Stefan Bauer</td>
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<tr>
<td>09:30</td>
<td>Dale Durran</td>
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<td>James Curtis</td>
<td>Jean-Philippe Vidal</td>
<td>Gert-Jan Duine</td>
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<tr>
<td>09:45</td>
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<td>Florentin Damiens</td>
<td>Hans-Stefan Bauer</td>
<td>Marco Falocchi</td>
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<tr>
<td>10:00</td>
<td>Alexander Gohm</td>
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<td>Maximiliano Viale</td>
<td>Jutta Metzger</td>
<td>Daniel Martinez-Villagrassa</td>
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<td>10:15</td>
<td>Lukas Umek</td>
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<td>Mario Marcello Miglietta</td>
<td>Matthieu Le Lay</td>
<td>Kathrin Baumann-Stanzer</td>
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<tr>
<td>10:30</td>
<td>Coffee &amp; Poster P1</td>
<td>Coffee &amp; Poster P3</td>
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<td>10:45</td>
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<tr>
<td>11:15</td>
<td>Christoph Kruse</td>
<td>Samantha Smith</td>
<td>Matteo Buzzi</td>
<td>Joan Cuxart</td>
<td>Dave Whiteman</td>
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<tr>
<td>11:30</td>
<td>Martina Tudor</td>
<td>Nikola Bacic</td>
<td>Xiaohua Yang</td>
<td>Charles Chemel</td>
<td>Branca Ivan-can-Picek</td>
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<td>11:45</td>
<td>Maria Vittoria Guarino</td>
<td>Yoo-Jun Kim</td>
<td>Iris Odak Plenkovic</td>
<td>Lorentzo Giovannini</td>
<td>Benedikt Bica</td>
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<td>Stefano Serafin</td>
<td>Gang Zhang</td>
<td>Damian Wojcik</td>
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<td>Andrew Ross</td>
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<td>Haraldur Ólafsson</td>
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<td>14:00</td>
<td>Hans Volkert</td>
<td>Howard Bluestein</td>
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<td>Ioana Colescu</td>
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<td>Georg Mayr</td>
<td>Bianca Adler</td>
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<td>Richard Rotunno</td>
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<td>Evelyne Richard</td>
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<td>16:30</td>
<td>Gregor Skok</td>
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<td>Kent Moore</td>
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<td>17:45</td>
<td>Reception in Reykjavik City hall</td>
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<td>Presidential reception</td>
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<td>Optional evening excursion if weather permits</td>
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Coffee & Poster times: P1, P3, P5, P7
### Oral presentations:

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<tr>
<td>O1.1</td>
<td>Guðmundsson</td>
<td>Magnús Tumi</td>
<td>An invited talk on Icelandic volcanoes</td>
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<td>O1.2</td>
<td>Durran</td>
<td>Dale</td>
<td>The influence of an isolated ridge on a mid-latitude cyclone and upper level jet.</td>
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<tr>
<td>O1.3</td>
<td>Damiens</td>
<td>Florentin</td>
<td>An adiabatic Foehn effect</td>
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<tr>
<td>O1.4</td>
<td>Gohm</td>
<td>Alexander</td>
<td>Penetration and interruption of Alpine foehn (PIANO): Description of upcoming field experiment</td>
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<td>O1.5</td>
<td>Umek</td>
<td>Lukas</td>
<td>Penetration and interruption of Alpine foehn (PIANO): preliminary high-resolution numerical simulations</td>
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<td>O1.6</td>
<td>Kruse</td>
<td>Christopher</td>
<td>Broad spectrum mountain waves</td>
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<tr>
<td>O2.1</td>
<td>Tudor</td>
<td>Martina</td>
<td>Influence of surface roughness on downslope windstorms and mountain waves</td>
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<td>O2.2</td>
<td>Guarino</td>
<td>Maria Vittoria</td>
<td>Mountain wave turbulence in the presence of directional wind shear over the Rocky Mountains</td>
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<td>O2.3</td>
<td>Stefano</td>
<td>Serafin</td>
<td>A simple model for the amplitude of lee waves on the boundary-layer inversion</td>
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<td>O2.4</td>
<td>Ross</td>
<td>Andrew</td>
<td>Wake formation in the lee of a small but high island: modelling and observations</td>
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<td>O2.5</td>
<td>Volkert</td>
<td>Hans</td>
<td>Mountain waves and cloud bands: case studies of 21 May 1937 and 1 February 2014 within a long research tradition</td>
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<td>O2.6</td>
<td>Muraki</td>
<td>David</td>
<td>Gravity waves generated at small Rossby number by large amplitude topography</td>
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<td>O2.7</td>
<td>Colfescu</td>
<td>Ioana</td>
<td>Detection of gravity waves across the Snaefellsnes Peninsula: A case study</td>
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<td>O2.8</td>
<td>Kruse</td>
<td>Christopher</td>
<td>Mountain wave attenuation and momentum deposition in sheared environments</td>
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<tr>
<td>O2.9</td>
<td>Mayr</td>
<td>Georg</td>
<td>The community foehn classification experiment</td>
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<td>O2.10</td>
<td>Rotunno</td>
<td>Richard</td>
<td>Origin of the lee-side hydraulic jump</td>
</tr>
<tr>
<td>O3.1</td>
<td>Richard</td>
<td>Evelyne</td>
<td>Heavy Precipitation and Flash Flood Events over Eastern Pyrenees</td>
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<tr>
<td>O3.2</td>
<td>Skok</td>
<td>Gregor</td>
<td>Forecast verification of precipitation and wind in complex terrain</td>
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<td>O3.3</td>
<td>Jóhannesson</td>
<td>Tómas</td>
<td>The Enhancement of Lake-Effect Precipitation over the Tug Hill Plateau during the Ontario Winter Lake-effect Systems (OWLeS) Field Program</td>
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<tr>
<td>O3.4</td>
<td>Kim</td>
<td>Byung-Gon</td>
<td>Characteristics of Easterly-Induced Snowfall in the Yeongdong region of Korea</td>
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<td>James</td>
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<td>Orographic effects of the subtropical and extratropical Andes on precipitating clouds</td>
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<td>O3.7</td>
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<td>David</td>
<td>Terrain-trapped airflows and orographic rainfall along the coast of northern California: Horizontal and vertical structures of kinematics and precipitation</td>
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<td>O3.8</td>
<td>Miglietta</td>
<td>Mario Marcello</td>
<td>Role of the orography in the generation of a tornadic supercell in the Mediterranean</td>
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<td>Smith</td>
<td>Samantha</td>
<td>Use of a sub-grid orographic rain enhancement scheme in the MetUM</td>
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<td>O3.10</td>
<td>Panzieria</td>
<td>Luca</td>
<td>Dual-pol radar based hydrometeor classification: analysis of orographic precipitation mechanisms</td>
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<tr>
<td>O3.11</td>
<td>Kim</td>
<td>Yoo-Jun</td>
<td>Study on characteristics of snow crystal from the two-layer cloud structure in Yeongdong region of Korean Peninsula</td>
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<tr>
<td>O3.12</td>
<td>Smith</td>
<td>Ronald</td>
<td>Numerical Study of Physical Processes Controlling Summer Precipitation over the Western Ghats Region</td>
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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 downsampling overcomes deficiencies in gridded precipitation products in the Sierra Nevada, California

O9.8 Le Lay Matthieu 
Glaico-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
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<td>12.1</td>
<td>Cuxart</td>
<td>Joan Evolution of the temperature profile during the life-cycle of a valley-confined cold-pool in the Pyrenees</td>
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<tr>
<td>12.2</td>
<td>Chemel</td>
<td>Charles Local and non-local controls on a persistent cold-air pool in the Arve River Valley</td>
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<tr>
<td>12.3</td>
<td>Giovannini</td>
<td>Lorenzo The thermally driven wind system of the Adige Valley in the Alps</td>
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<tr>
<td>12.4</td>
<td>Sabatier</td>
<td>Tiphaine Wintertime circulation in the Chamonix-Mont-Blanc valley from scanning wind lidar measurements (Passy-2015 field experiment) and numerical simulations</td>
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<tr>
<td>12.5</td>
<td>Piringer</td>
<td>Martin Boundary-layer profiling with ceilometers in complex terrain</td>
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<td>12.6</td>
<td>Doyle</td>
<td>James Trailing Mountain Waves</td>
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<tr>
<td>12.7</td>
<td>Goger</td>
<td>Brigitta How essential are 3D shear effects for the representation of the turbulence kinetic energy (TKE) structure in an Alpine valley?</td>
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<tr>
<td>12.8</td>
<td>Babic</td>
<td>Nevio Characteristics of the spectral gap in a valley convective boundary layer</td>
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<tr>
<td>12.9</td>
<td>Lehner</td>
<td>Manuela Spatial variations in the diurnal cycle of turbulent fluxes in an east-west oriented valley</td>
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<tr>
<td>12.10</td>
<td>Vecenaj</td>
<td>Željko Integral length scales in atmospheric surface boundary layers</td>
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<tr>
<td>12.11</td>
<td>Calaf</td>
<td>Mark Dependence of similarity theory on turbulence anisotropy</td>
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<tr>
<td>13.1</td>
<td>Doyle</td>
<td>James The Impact of Mount Washington on the Vertical Structure of Temperature and Moisture and the Height of the Boundary Layer</td>
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<td>13.2</td>
<td>Pitzner</td>
<td>Kristian Impact of higher boundary temperatures on simulations of atmospheric ice accretion on structures during the 2015-2016 icing winter in West-Norway</td>
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<td>13.3</td>
<td>Bica</td>
<td>Benedikt Daily and sub-daily extreme rainfall over the Swiss Alps: a climatology</td>
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<td>13.4</td>
<td>Gabella</td>
<td>Marco Multi-sensor precipitation estimation in the Alps: challenges and opportunities</td>
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<td>Pattantyus</td>
<td>Andre US Army Research Lab's Meteorological Sensor Array</td>
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<tr>
<td>13.6</td>
<td>Renfrew</td>
<td>Ian The causes of foehn warming in the lee of mountains</td>
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<tr>
<td>13.7</td>
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<td>Benedikt On forecasting snow surface temperature in complex alpine terrain</td>
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<td>13.8</td>
<td>Ágústsson</td>
<td>Hálfdán Examples of applications of mesoscale meteorology in the complex orography of Norway</td>
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<tr>
<td>13.9</td>
<td>Paci</td>
<td>Alexandre The Cerdanya-2017 field experiment: an overview of the campaign and a few preliminary results</td>
</tr>
<tr>
<td>13.10</td>
<td>Udina</td>
<td>Mireia Downslope windstorms, mountain waves, orographic precipitation and associated processes analysis during 10-17 January 2017 in The Cerdanya-2017 field experiment</td>
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<tr>
<td>13.11</td>
<td>Martinez-Villagrasa</td>
<td>Daniel The Cerdanya Cold Pool Experiment 2015 (CCP15): a field campaign study of the cold pool in the largest pyrenean valley</td>
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<td>13.12</td>
<td>Falocchi</td>
<td>Marco Lidar observations and high-resolution modelling of a wind jet at the exit of the Isarco Valley (Italy)</td>
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<td>13.13</td>
<td>Metzger</td>
<td>Jutta Periodic wind systems in the Dead Sea valley – first comprehensive measurements of their characteristics and evolution</td>
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<td>13.14</td>
<td>Baumann-Stanzer</td>
<td>Kathrin Long-range transport to summits north, south and at the Eastern Alpine divide – an outstanding Sahara dust event</td>
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<td>13.15</td>
<td>Petersen</td>
<td>Guðrún Nina Gap wind and wakes in SE-Iceland on 18 October 2016</td>
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<td>13.16</td>
<td>Whiteman</td>
<td>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</td>
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<td>13.17</td>
<td>Ivancan-Picek</td>
<td>Branka Processes leading to heavy precipitation over north-eastern Adriatic during the HyMeX SOP1</td>
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<td>13.18</td>
<td>Bica</td>
<td>Benedikt INCA analysis and nowcasting as part of the international collaborative experiments for the PyeongChang Olympic and Paralympic Games 2018 (ICE-POP 2018)</td>
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Poster presentations:

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<tr>
<td>P1.1</td>
<td>Guarino</td>
<td>Maria Vittoria</td>
<td>The effects of directional wind shear on CAT generation by orographic gravity-wave breaking</td>
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<tr>
<td>P1.2</td>
<td>Kruse</td>
<td>Christopher</td>
<td>Comparison of resolved and parameterized orographic gravity waves over New Zealand, the Andes, and the Himalayas</td>
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<tr>
<td>P1.3</td>
<td>Udina</td>
<td>Mireia</td>
<td>Mountain wave events and associated rotors over the Pyrenees during The Cerdanya-2017 field experiment: observations and model simulations</td>
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<tr>
<td>P1.4</td>
<td>Teixeira</td>
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