

31st Nordic Meteorological Meeting – NMM31
 Reykjavík, 18-20 June 2018
 University of Iceland, Stakkahlíð campus

Monday 18 June		
08:30		Registration
08:45		Welcome
09:00-10:30	O1	Numerical weather prediction and forecasting I Chair: Haraldur Ólafsson
09:00 Invited	O1.1	Plans for surface processes and surface data assimilation in HARMONIE-AROME Patrick Samuelsson (Swedish Meteorological and Hydrological Institute)
09:30	O1.2	Polar lows in ECMWF versus Arome Arctic Matilda Hallerstig (MET Norway & ECMWF) & Linus Magnusson (ECMWF)
09:45	O1.3	Comparison of AROME-Arctic and satellite-derived sea ice albedo Viivi Kallio (Finnish Meteorological Institute), Yuri Batrak (MET Norway), Teresa Valkonen (MET Norway), Ekaterian Kurzeneva (Finnish Meteorological Institute), Laura Rontu (Finnish Meteorological Institute) & Terhikki Manninen (Finnish Meteorological Institute)
10:00	O1.4	The effect of SST and roughness on the meridional moisture transport and precipitation of extratropical cyclones Nina Karusto (Finnish Meteorological Institute)
10:15	O1.5	WOD – Operational and On Demand weather forecasts Ólafur Rögnvaldsson (Belgingur Ltd.), Joao Hackerott (Belgingur Ltd.), Karolina Stanislawska (Belgingur Ltd.) & Logi Ragnarsson (Belgingur Ltd.)
Coffee break		
11:00-12:30	O2	Numerical weather prediction and forecasting II Chair: Hálf dán Ágústsson
11:00 Invited	O2.1	Probability forecasts: quantifying uncertainty in forecasts Marko Laine (Finnish Meteorological Institute)
11:30	O2.2	Improved prediction of ship-icing for application in operational weather forecasting Eirik Mikal Samuelsen (MET Norway)
11:45	O2.3	Cold-season thunderstorms and aviation Robert Mäkitie (Finnish Meteorological Institute),
12:00	O2.4	Upgraded physiography databases over Iceland for the NWP model HARMONIE-AROME Bolli Pálmason (Icelandic Meteorological Office)

12:15	O2.5	TBA Elín Björk Jónasdóttir (Icelandic Meteorological Office)
Lunch		
13:45		Weather forecast
14:00-15:30	O3	Extreme weather Chair: Sibylle von Löwis
14:00 Invited	O3.1	Extreme weather in Northern Europe Andrea Vajda (Finnish Meteorological Institute)
14:30	O3.2	Three extreme dust storms in Iceland Pavla Dagsson-Waldhauserova (Agricultural University of Iceland & Czech University of Life Sciences Prague), Haraldur Ólafsson (University of Iceland & Icelandic Meteorological Office) & Ólafur Arnalds (Agricultural University of Iceland)
14:45	O3.3	Surface fluxes at Gufuskálar in Iceland Geoffrey Dumont (Icelandic Meteorological Office & University of Iceland)
15:00	O3.4	Observations of a breaking mountain wave Guðrún Nína Petersen (Icelandic Meteorological Office), Stephen Mobbs (National Centre for Atmospheric Science), Haraldur Ólafsson (University of Iceland & Icelandic Meteorological Office) & Ioana Colfescu (National Centre for Atmospheric Science)
15:15	O3.5	Current research in aviation meteorology – “stratospheric” overview Björn Sævar Einarsson (Icelandic Meteorological Office)
Coffee break		
16:00-16:45	O4	Climate and climate change Chair: Guðrún Nína Petersen
16:00	O4.1	Climate effect from anthropogenic aerosol emissions on Arctic regions Kalle Nordling (Finnish Meteorological Institute), Joonas Merikanto (Finnish Meteorological Institute), Petri Räisänen (Finnish Meteorological Institute), Petteri Uotila (University of Helsinki), Declan O’Donnell (Finnish Meteorological Institute) & Hannele Korhonen (Finnish Meteorological Institute)
16:15	O4.2	The structure of extra-tropical cyclones in a warmer climate Victoria Sinclair (University of Helsinki), Päivi Haapanala (University of Helsinki), Jouni Räisänen (University of Helsinki), Mika Rantanen (University of Helsinki) & Heikki Järvinen (University of Helsinki)
16:30	O4.3	Examples of how to provide climate services to the public Hanne Heiberg (MET Norway) & Inger Hanssen-Bauer (MET Norway)
16:45	O4.4	How about your temperature-trend preferences? Trausti Jónsson (Icelandic Meteorological Office)
17:00	A short walk or a bus ride to the Icelandic Meteorological	
17:30	Icebreaker & visit to the monitoring room	

Tuesday 19 June		
09:00-10:30	O5	Remote sensing I Chair: Elín Björk Jónasdóttir
09:00	O5.1	Forecasting applications from groundbased active remote sensing Ewan O'Connor (Finnish Meteorological Institute & University of Reading)
09:30	O5.2	Coastal wind from Synthetic Aperature Radar Birgitte Rugaard Furevik (MET Norway & Danish Meteorological Institute), Knut Frode Dagestad (MET Norway) & Ivar A. Sejerstad (MET Norway)
09:45	O5.3	Currently available space technologies for earth system study Igor Gansvind (Scientific Geoinformation Centre Russian Academy of Science)
10:00	O5.4	TorMic-Project: Radar-based detection and forecasting tornadoes and microbursts Sevim M.-Gulbrandsen (Met Norway) & Reference group on radar (MET Norway)
10:15	O5.5	Describing the wind in a Norwegian fjord using synchronized doppler lidars Hálf dán Ágústsson (Kjeller Vindteknikk), Martin S. Grønsleth (Kjeller Vindteknikk), Ola Kaas Erikssen (Kjeller Vindteknikk, & Ove Undheim (Kjeller Vindteknikk)
Coffee break		
11:00-12:30	O6	Remote sensing II Chair: Birgitte Rugaard Furevik
11:00	O6.1	Remote sensing of sea ice Ingibjörg Jónsdóttir (University of Iceland)
11:30	O6.2	Creating a cloud-free MODIS snow cover product using spatial and temporal interpolation and temperature thresholds Justinas Kilpys (Vilnius University), Egidijus Rimkus (Vilnius University) & Silvija Pipiraté (Vilnius University)
11:45	O6.3	On the measurement of wind gusts: from traditional anemometry to new methodologies applying Doppler lidar and research aircraft measurements Irene Suomi (Finnish Meteorological Institute), Sven-Erik Gryning (Technical University of Denmark), Christof Lüpkes (Alfred Wegener Institute for Polar and Marine Research), Jörg Hartmann (Alfred Wegener Institute for Polar and Marine Research) & Ewan O'Connor (Finnish Meteorological Institute)

12:00	O6.4	The value of Doppler LiDAR systems to monitor turbulence intensity during storm events in Iceland Yang Shu (Reykjavík University), Guðrún Nína Petersen (Icelandic Meteorological Office), Sibylle von Löwis (Icelandic Meteorological Office) & David C. Finger (Reykjavík University)
12:15	O6.5	Icelandic weather and climate and the influence on the meteorological and human history Haraldur Ólafsson (University of Iceland & Icelandic Meteorological Office)
12:30		Weather forecast
12:45		Excursion to Borgarfjörður and dinner Packed lunch included

Wednesday 20 June		
09:00-10:30	O7	Observations Chair: Irene Suomi
09:00	O7.1	Development of the weather observation network of the Icelandic Meteorological Office (Icelandic Meteorological Office) Sibylle von Löwis (Icelandic Meteorological Office) & Vilhjálmur Smári Þorvaldsson (Icelandic Meteorological Office)
09:15	O7.2	Winter and high-altitude dust size distributions with the balloon-borne Light Optical Aerosol Counter (LOAC) Pavla Dagsson Waldhauserova (Agricultural University of Iceland & Czech University of Life Sciences Prague), Haraldur Ólafsson (University of Iceland & Icelandic Meteorological Office), Jean-Baptiste Renard (Université d'Orléans), Damien Vignelles (Université d'Orléans) & Nicolas Verdier (Université d'Orléans)
09:30	O7.3	Frequency and characteristics of volcanic ash and dust suspension events in Iceland Mary K. Butwin (University of Iceland & IMI), Sibylle von Löwis (Icelandic Meteorological Office), Melissa A. Pfeffer (Icelandic Meteorological Office) & Þróstur Þorsteinsson (University of Iceland)
09:45	O7.4	Changes in total ozone over Reykjavík during the late winter polar vortex seasons 1952-2018 Árni Sigurðsson (Icelandic Meteorological Office)
10:00	O7.5	Weather and impact of observations using a mobile weather app in Finland Pauli Jokinen (Finnish Meteorological Institute) & Ismo Karjalainen (Finnish Meteorological Institute)
10:15	O7.6	Changes in soil temperature Guðrún Nína Petersen (Icelandic Meteorological Office)
Coffee break		
11:00-12:30	O8	Communication of meteorology Chair: Pavla Dagsson Waldhauserova
11:00 Invited	O8.1	Scapegoat, shillishly or cicerone, the choice is yours Pererik Åberg (Swedish Television)
11:30	O8.2	Impact based warnings, training the public and getting the message across I Elín Björk Jónasdóttir (Icelandic Meteorological Office) & Helga Ívarsdóttir (Icelandic Meteorological Office)
11:45	O8.3	Impact based warnings, training the public and getting the message across II Helga Ívarsdóttir (Icelandic Meteorological Office) & Elín Björk Jónasdóttir (Icelandic Meteorological Office)
12:00	O8.4	New practis for weather warnings in Norway Solfrid Agersten (MET Norway)
12:15	O8.5	Numerical Modelling Education at the University of Helsinki Victoria Sinclair (University of Helsinki) & Heikki Järvinen (University of Helsinki)

Lunch		
13:45		Weather forecast
14:00-15:30	O9	Energy meteorology Chair: Helga Ívarsdóttir
14:00 Invited	O9.1	On recent development and challenges associated with the operation and utilization of renewable energy Øyvind Byrkjedal (Kjeller Vindteknikk)
14:30	O9.2	Wind, ice and snow load impacts on infrastructure and the natural environment Harold McInnes (MET Norway), Andreas Dobler (MET Norway), Kristian Ingvaldsen (Kjeller Vindteknikk), Bjørn Egil Nygaard (Kjeller Vindteknikk) & Svein Solberg (The Norwegian Institute of Bioeconomy Research)
14:45	O9.3	Forecasting energy wood moisture change with meteorological grid data Johanna Ruotsalainen (Finnish Meteorological Institute), Johanna Routa (Natural Resources Institute), Marja Kolström (University of Eastern Finland), Jari Lindblad (Natural Resources Institute) & Lauri Sikanen (Natural Resources Institute)
15:00	O9.4	Useful meteorological concepts from recent research Haraldur Ólafsson (University of Iceland & Icelandic Meteorological Office)
15:15	O9.5	The ICRA-2016 reanalysis for Iceland and products developed for the national power company Landsvirkjun Bolli Pálmason (Icelandic Meteorological Office)
15:30		Closing remarks

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