



APPLICATE.eu

Advanced prediction in
polar regions and beyond

General Assembly 2019 and Early Career Event

28 January - 1 February 2019

ECMWF Shinfield Rd, Reading RG2 9AX, United Kingdom

Monday 28 January 2019

Time	Session	Chair/Speaker	Room
13:00 – 14:00	Lunch		ECMWF Canteen
	Check-in	Luisa Cristini (AWI)	Foyer
14:00 – 14:30	Welcome and introduction	Thomas Jung (AWI)	Lecture hall
		Peter Bauer/ Irina Sandu (ECMWF)	
14:30 – 16:00	Science talks 1	Chair: Irina Sandu (ECMWF)	Lecture hall
14:30 - 14:45	Diagnostics for assessing changes in the mid-latitude atmospheric dynamics	Julien Cattiaux (CNRM)	
14:45 - 15:00	Preliminary assessment of the northern mid-latitude atmospheric circulation simulated by CNRM-CM6.1	Thomas Oudar (CNRM)	
15:00 - 15:15	Challenges in climate model evaluation	François Massonnet (UCL)	
15:15 - 15:30	Impact of atmospheric circulation bias on deep Arctic Ocean circulation in a coupled climate model	Claudia Hinrichs (AWI)	
15:30 - 15:45	Recent developments with the multi-layer snow scheme for the snow on land	Gabriele Arduini (ECMWF)	
15:45 - 16:00	APPLICATE in the context of SAON/IASC Arctic data management activities	Øystein Godøy (MET Norway)	
16:00 – 16:30	Coffee Break		Foyer
16:30 – 18:00	Guest talks	Chair: Halldór Jóhannsson (Arctic Portal)	Lecture hall
16:30 – 16:45	Blue Action modelling activities	Steffen Olsen (DMI)	
16:45 – 17:00	ALERTNESS	Jørn Kristiansen (Met Norway)	
17:00 – 17:15	SPICES	Beena Balan Sarojini (ECMWF)	
17:15 – 17:30	Toward user-relevant seasonal forecasts of Arctic sea ice: The FRAMS project	Bill Merryfield (ECCC)	
17:30 – 17:45	Starting the dialogue on risk in the Arctic	John Wardman (AXA XL)	
17:45 – 18:00	Logistics for Day 2		Lecture hall
18:00 – 19:30	Ice breaker & Poster session		Foyer

Tuesday 29 January 2019

Time	Session	Chairs/Speakers	Room	
9:00 – 10:30	Breakout sessions 1	WP1: Weather and Climate Model Evaluation	Len Shaffrey (University of Reading/NCAS)	Room 1
		WP2: Enhanced weather and climate models	Gunilla Svensson (Stockholm University)	Room 5
		WP3: Atmospheric and oceanic linkages	Doug Smith (Met Office)	Large Committee Room
10:30 – 11:30	Group photo			
	Posters with coffee		Foyer	
11:30 – 13:00	Science talks 2	Chair: Helge Drange (University of Bergen)	Lecture hall	
11:30 – 11:45	The interaction between the Arctic and the mid-low latitudes: Atmospheric pathways identified from analyses of coupled and uncoupled seasonal relaxation experiments	Kunhui Ye (AWI)		
11:45 – 12:00	Northern Hemisphere atmospheric response to Arctic summer sea ice loss in the CNRM-CM6 model	Svenya Chripko (CERFACS)		
12:00 – 12:15	Initial results from the Polar Amplification MIP	Rosie Eade (Met Office)		
12:15 – 12:30	Impact of regionally increased CO2 concentrations in coupled climate simulations	Tido Semmler (AWI)		
12:30 – 12:45	The impact of Arctic observations on ECMWF NWP forecasts	Heather Lawrence (ECMWF)		
12:45 – 13:00	Improving Met Office seasonal predictions of Arctic sea ice using assimilation of CryoSat-2 thickness	Ed Blockley (Met Office)		
13:00 – 14:00	Lunch			ECMWF Canteen
14:00 – 15:30	Breakout sessions 2	WP4: Support for Arctic Observing system design	François Massonnet (UCL)	Room 1
		WP5: Improved predictive capacity	Pablo Ortega (BSC)	Large Committee Room
		WP6: Data and HPC Management	Øystein Godøy (MET Norway)	Room 5
15:30 – 16:30	Posters with coffee		Foyer	
16:30 – 18:15	Science talks 3	Chair: Gunilla Svensson (Stockholm University)	Lecture hall	
16:30 – 16:45	Statistical predictability of Arctic sea ice area and volume anomalies: identifying predictors and optimal sampling locations	Leandro Ponsoni (UCL)		
16:45 – 17:00	Development of sea ice forecast errors in a seasonal forecast system with EC-Earth	Ruben Cruz-Garcia (BSC)		
17:00 – 17:15	A NWP model inter-comparison of surface weather parameters during the Year of Polar Prediction Special Observing Period Northern Hemisphere	Morten Køltzow (MET Norway)		
17:15 – 17:30	Improving the representation of sea ice variability and seasonal prediction	Eduardo Moreno-Chamarro (BSC)		
17:30 – 17:45	Increased impact of Arctic observations during Scandinavian blocking episodes	Jonathan Day (ECMWF)		
17:45 – 17:55	Overview of outreach and communication activities	Halldór Jóhannsson (Arctic Portal)		

17:55 – 18:05

Overview of clustering activities

Thomas Jung (AWI)

18:05 – 18:15	Logistics for Day 3	Lecture hall
19:30 – onwards	Conference dinner @ Côte Brasserie: 9 The Oracle Centre, The Riverside – Reading, RG1 2AG	

Wednesday 30 January 2019

Time	Session	Chairs/Speakers	Room
9:00 – 10:30	Breakout sessions 3: Cross-cutting themes	Maximising impact (including remote talk by Mark Payne (Aqua DTU))	Halldor Johannsson (Arctic Portal), Rym Msadek (CERFACS) Large Committee Room
		Case studies (including talk by Jennifer Ross (University of Sheffield))	Dragana Bojovic (BSC), Marta Terrado (BSC) Room 1
		Clustering	Luisa Cristini (AWI), Jonny Day (ECMWF) Room 5
10:30 – 11:15	Posters with coffee		Foyer
11:15 – 13:00	Final plenary session Reports from breakout sessions and plenary discussion (5' presentation + 5' discussion each) Wrap-up and closing	Chair: Thomas Jung (AWI)	Lecture hall
13:00 – 14:00	Lunch		ECMWF Canteen
	Executive Board meeting (members only)	Thomas Jung (AWI)	Large Committee Room

Early Career Scientists Event

30 January – 1 February 2019

Wednesday 30 January 2019

14:00 – 15:30	Early career scientists' research presentations I	Gerlis Fugmann (APECS/AWI)	Council room
15:30 – 16:00	Posters with coffee		Foyer
16:00 – 17:30	Early career scientists' research presentations II	Andrea Schneider (APECS/UIT)	Council room
18:00 – onwards	Social Activities (Sightseeing, Climbing Centre, Bar)		

Thursday 31 January 2019

Time	Session	Chairs/Speaker	Room
9:00 – 10:00	How to enjoy writing your next paper?	François Massonnet (UCL)	Council room
10:00 – 11:00	Why computing may be more relevant for advancing science than you think	Peter Bauer (ECMWF)	Council room
11:00 – 12:00	Networking coffee		Foyer
12:00 – 13:00	Making sense of the mess: How to keep your research project on track	Luisa Cristini (AWI)	Council room
13:00 – 14:00	Lunch		ECMWF Canteen
14:00 – 15:30	Moving the iceberg: achieving co-production in climate services – part 1	Dragana Bojovic (BSC), Marta Terrado (BSC)	Council room
15:30 – 16:30	Networking coffee		Foyer
16:30 – 18:00	Moving the iceberg: achieving co-production in climate services – part 2	Dragana Bojovic (BSC), Marta Terrado (BSC)	Council room
18:00 – 19:00	Health break		
19:00 – onwards	Social dinner @ Zerodegrees Microbrewery Restaurant: 9 Bridge Street – Reading, RG1 2LR		

Friday 1 February 2019

Time	Session	Chair	Room
9:00 – 10:00	Challenges related to improving weather predictions in the Arctic	Irina Sandu (ECMWF)	Council room
10:00 – 10:30	Coffee break		Foyer
10:30 – 12:00	The Copernicus Climate Change Service in action	Jean-Noel Thepaut and Cedric Bergeron (ECMWF)	Council room
12:00 – 13:00	Closing and feedback	Gerlis Fugmann (APECS/AWI)	Council room
13:00 – 14:00	Lunch and departure		ECMWF Canteen

For queries on the programme please contact APPLICATE Project Manager Luisa Cristini: luisa.cristini@awi.de

For queries on logistics please contact ECMWF Event Manager Karen Clarke: Karen.Clarke@ecmwf.int

Follow the meeting on Twitter with the hashtag: #APPLICATE2019.

APPLICATE General Assembly 2019 and Early Career Event are kindly offered by  ECMWF



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