

August 29–31, 2023



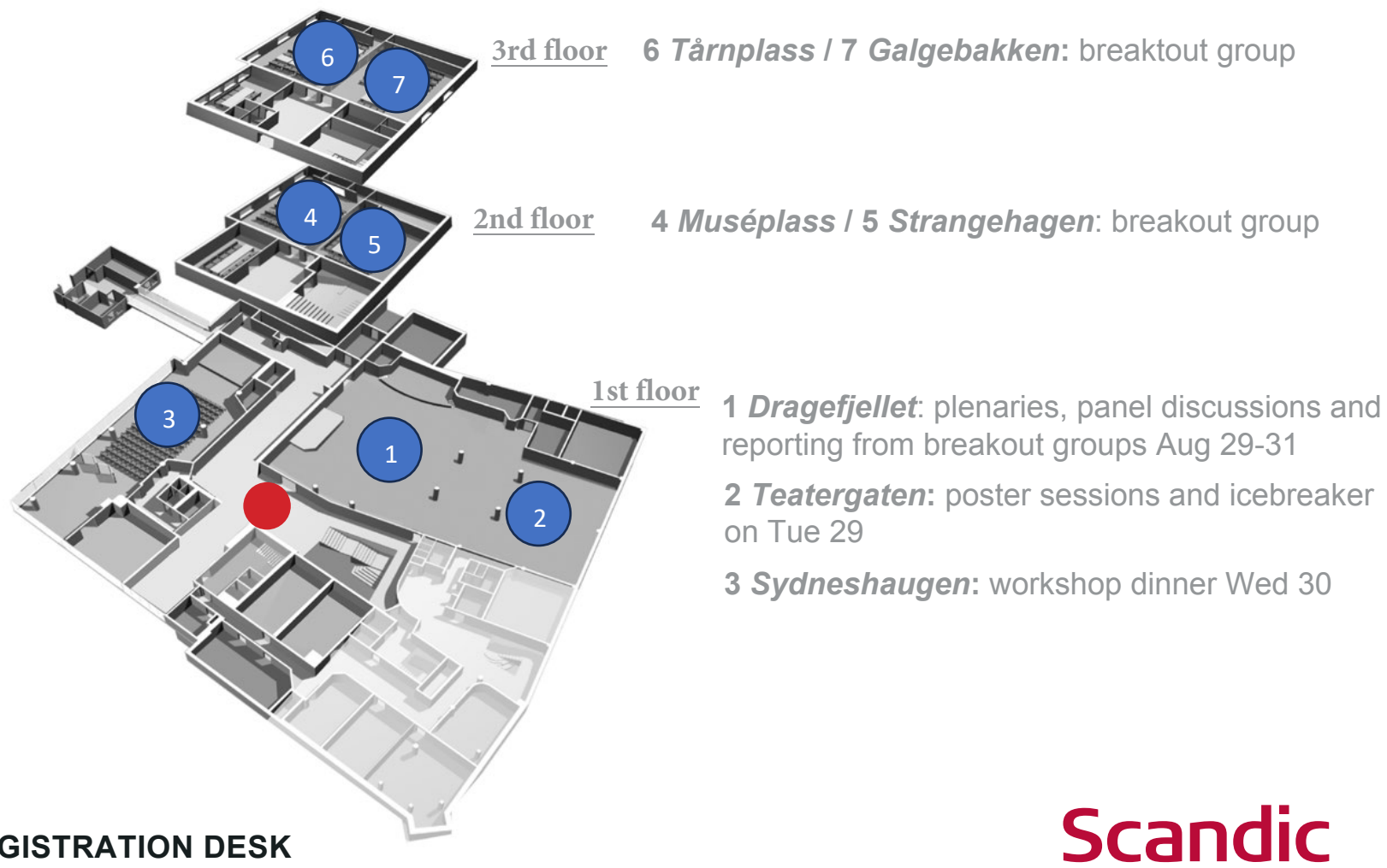
BERGEN, NORWAY

VII Convection Permitting
Climate Modeling Workshop

PROGRAM

As of 28 August 2023

LOCATION of the ACTIVITIES at the VENUE



All times are Central European Summer Time (CEST)

Day 1: TUESDAY 29 AUGUST	
08:00-09:00	REGISTRATION
09:00-09:15	WELCOME & INTRODUCTION. S. Sobolowski & A. Prein
PLENARY 1: Mountainous & High-Latitude Regions	
09:15-09:45	Keynote: <i>Convection Permitting to Snow Drift Resolving and Back Again.</i> Ethan Gutmann , NCAR
09:45-10:00	<i>First Ensemble of Kilometre-Scale Simulations of a Hydrological Year over the Third Pole.</i> Emily Collier , University of Innsbruck
10:00-10:15	<i>Historical and future changes in extreme snowfall in coastal and mountainous areas in Japan.</i> Hiroaki Kawase , Japan Meteorological Agency
10:15-10:30	<i>Mechanisms of precipitation in the Peruvian Andes: ENSO and extremes.</i> Emily Potter , University of Sheffield
10:30-11:00	COFFEE BREAK
PLENARY 1 (cont.)	
11:00-11:30	Keynote: <i>Land-Atmosphere Interactions at High Northern Latitudes.</i> Lena M. Tallaksen , University of Oslo
11:30-11:45	<i>Physically based separation of annual maximum precipitation in convection-permitting climate projections.</i> Andreas Dobler , Norwegian Meteorological Institute
11:45-12:00	<i>The influence of land cover on rain-on-snow climatology over Norway.</i> Priscilla Mooney , NORCE & BCCR
12:00-12:15	<i>Do kilometer-scale climate models really perform better over complex topography?</i> Basile Poujol , Sorbonne Université
12:15-13:30	LUNCH (75 min)
PLENARY 2: Extremes & Impacts	
13:30-14:00	Keynote: <i>Using European CPMs and observations to understand changes to weather extremes and their impacts.</i> Hayley Fowler , Newcastle University
14:00-14:15	<i>The role of Tibetan Plateau Vortices in extreme precipitation events in the Tibetan Plateau region.</i> Julia Curio , University of Gothenburg
14:15-14:30	<i>Analyses of strong wind events in km-scale climate simulations over Germany.</i> Michael Haller , Deutscher Wetterdienst
14:30-14:45	<i>Extreme precipitation events during dry years as depicted by the set of FPS-SESA convection-permitting simulations.</i> Maria Laura Bettolli , University of Buenos Aires
14:45-15:00	<i>More extreme land surface states contribute to the intensification of organised convection in a convection-permitting climate projection.</i> Conni Klein , UK Centre for Ecology and Hydrology
15:00-15:30	COFFEE BREAK
15:30-17:00	PANEL DISCUSSION: Mountainous & High-Latitude Regions Nikolina Ban , University of Innsbruck/ Priscilla Mooney , NORCE/ Deliang Chen , University of Gothenburg/ Hiroaki Kawase , Japan Met
17:00-19:00	POSTER SESSION & ICEBREAKER
END of DAY 1	

DAY 2: WEDNESDAY 30 AUGUST	
08:00	REGISTRATION
PLENARY 3: Model Development	
09:00-09:30	Keynote: <i>On the need of a coordinated Convection Permitting regional climate modelling development strategy over the CORDEX domains.</i> Erika Coppola , Abdus Salam Intitute, Centre for Theoretical Physics
09:30-09:45	<i>Progress in Tibetan Plateau Climate System Model (TPCSM) Development.</i> Xiaogang Ma , Tsinghua University
09:45-10:00	<i>Exploring land surface interactions in convection-permitting simulations for Europe.</i> Kate Halladay (remote) , Met Office Hadley Centre
10:00-10:15	<i>How strong is land-atmosphere coupling in global storm-resolving simulations?</i> Junhong Lee , Max Planck Institute for Meteorology
10:15-10:30	<i>The ITCZ in convection-resolving climate models.</i> Christoph Schäer , ETH Zurich
10:30-11:00	COFFEE BREAK
PLENARY 4: CPCM for Society, adaptation planning and mitigating risks	
11:00-11:30	Keynote: <i>CPM for Society and Managing Risk.</i> Jason Evans , University of New South Wales
11:30-11:45	<i>NUKLEUS – Developing Prototype Services from Convection-Permitting Climate Data.</i> Kevin Sleck , Climate Service Center Germany
11:45-12:00	<i>Merging convection permitting modelling results with CMIP6 to produce scenarios for local precipitation extremes for the Netherlands.</i> Geert Lenderink , KNMI
12:00-12:15	<i>First Rains: Putting CPMs to the test for S2S onset forecasts.</i> Neil Hart , University of Oxford
12:15-12:30	<i>Exploiting new 100y km-scale projections to gain understanding of future changes in local weather extremes.</i> Elizabeth Kendon (remote) , Met Office Hadley Center
12:30-13:30	LUNCH (60 min)
13:30-15:00	PANEL DISCUSSION: <i>Data access, accessibility, and equitability in CPCM research</i> Nils Wedi (remote) , ECMWF/ Eleni Karachaliou (remote) , Aristotle University of Thessaloniki, Christopher Lennard , University of Cape Town/ Jesus Fernandez , CSIC-Universidad de Cantabria
15:00-15:30	COFFEE BREAK
15:30-17:00	PANEL DISCUSSION: <i>What have we learned from CPCM modelling and what is next?</i> Ruby Leung , PNNL/ Cristopher Schäer , ETH Zurich/ Stefan Sobolowski , NORCE & BCCR/ Andreas Prein , UCB/ Elizabeth Kendon (remote) , Met Office/ Alex Hall (remote) , UCLA
17:00-18:00	POSTER SESSION
END of DAY 2	
19:30-22:30	WORKSHOP DINNER at SYDNESHAUGEN

DAY 3: THURSDAY 31 AUGUST

BREAKOUT GROUPS

09:00-10:30	Room Dragefjellet Group 1: <i>Integration of Earth System and human components</i> Moderator: Klaus Goergen	Room Muséplass & Stranghagen Group 2: <i>CPCM for society - linking to VIACS and others</i> Moderator: Kevin Sieck	Room Tårnplass & Galgebakken Group 3: <i>What should this community prioritize over the next 5 years?</i> Moderator: Erika Coppola
10:30-11:00	COFFEE BREAK		
PLENARY 5			
11:00-11:45	Reports from breakout groups		
11:45-12:15	<u>Motivation for next workshop</u> <i>"Weather-Climate interactions"</i> Kristen Rasmussen , Colorado State University		
12:15-12:30	CLOSURE		
12:30-13:30	LUNCH (60 min)		
13:30-17:00	SOCIAL ACTIVITY (TBA)		

VII CPCCM2023 is sponsored by:

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