



**Barcelona
Supercomputing
Center**
Centro Nacional de Supercomputación



The EC-Earth Earth community Earth System Model. Advancing climate assessment through supercomputing applications

EC-Earth General Assembly

8-11 June 2026

Barcelona Supercomputing Center

PROGRAM



Day 1 – Monday 8 afternoon

13:00	REGISTRATION	Zoom Link: https://rediris.zoom.us/jc/95207966278 Room: BSC Auditorium level -1
		Chair: Valentina
14:00–14:15		Welcome
14:15–14:45	Francisco Doblas-Reyes	What does it take to make climate projections an operational activity? (invited)
14:45–15:00	Chiara Ventrucchi	Interactions between ocean heat uptake and climate feedbacks in EC-Earth4-FAST
15:00–15:15	Chuncheng Guo	Earth system modelling of idealised overshoot scenarios in EC-Earth3-ESM
15:15–15:30	Jan Streffing	Status of AWI-ESM3-VEG-HR for CMIP7
15:30–16:00		Coffee break
		Chair: Vladimir
16:00–16:15	Joakim Kjellsson	EC-Earth4-ESM at high resolution
16:15–16:30	Raffaele Bernardello	Response of the Earth system to large-scale CDR under future overshoot scenarios: A multi-model activity-driven exercise
16:30–17:30	WG BREAKOUT SESSION	Zoom Link: https://rediris.zoom.us/jc/95207966278
Land/Vegetation	EC-Earth4	PALEO
17:30 – 18:00		MARENOSTRUM VISIT
18:00	WELCOME COCKTAIL	

Day 2 – Tuesday 9

08:30	REGISTRATION	Zoom Link: https://rediris.zoom.us/jc/95207966278 Room: BSC Auditorium level -1
	WORKING GROUP REPORTS	Chair: Lina
08:30–09:00		Registration
09:00–09:30	Alex Winkler	Adapting Machine Learning for Atmosphere-Biosphere Coupling in Earth System Models (invited)
09:30–09:50	Shuting Yang (DMI)	Steering group/EC-Earth: progress overview
09:50–10:00	Philippe Le Sager (KNMI)	Technical WG activities report
10:00–10:10	Twan van Noije (KNMI)	Atmospheric Composition WG report
10:10–10:20	Jorge/Dorothee	Ice-Sheet WG report
10:20–10:30	Lars/Andrea	Land and Vegetation WG report
10:30–10:40	Valentina/Raffa	Ocean WG report
10:40–10:50	Jost von Hardenberg	Tuning WG report
10:50–11:00	Qiong Zhang	Paleo WG report
11:00–11:30		Coffee break
		Chair: Marios
11:30–12:00	Enric Ponce de León RES OFFICER	Advanced computing resources for your research through RES (invited)
12:00–12:20	Adrian Hill	OpenIFS: past, present and open-source future!
12:20–12:35	Renata Coppo	Adapting EC-Earth4 for Deep-Time Applications: Implementation and Evaluation of an Early Eocene Configuration
12:35–13:40		Lunch
		Chair: Montse
13:45–14:15	Wilco Hazeleger	EC-Earth: inside out, outside in (invited)
14:15–14:30	Klaus Wyser (SMHI)	CMIP7 results with EC-Earth3-ESM
14:30–14:45	Mario Acosta	From CMIP6 to CMIP7: a globally coordinated effort on computational and energy metrics
14:45–15:45	Jost von Hardenberg	Plenary Session on Tuning
15:45–16:15		Coffee Break
16:15–16:35	POSTER PITCH PRESENTATIONS	All poster authors, 1-3 mins each
16:35–17:35		POSTER SESSION
16:35–17:35	WG BREAKOUT SESSION	Zoom Link: https://rediris.zoom.us/jc/95207966278
SG Meeting	Technical	Tuning
20:00		Dinner at Pomarada https://pomarada.com/

Day 3 – Wednesday 10

		Zoom Link: https://rediris.zoom.us/jc/95207966278 Room: BSC Auditorium level -1
Chair: Chiara		
09:00–10:00	Klaus	Plenary Session on CMIP7
10:00–10:30	BSC EDI UNIT	Invited Talk
10:30–10:45	Gilbert/PA/Xavier	Streamlining EC-Earth at BSC: Workflow orchestration, HPC optimization, and data management
10:45–11:15		Coffee break
Chair: Eneko		
11:15–11:30	Etienne Tourigny	EC-Earth licensing: past, present, future?
11:30–11:45	Katherine Power	Orbital forcing modulates hemispheric energy balance and preconditions the 4.2 ka hydroclimate event.
11:45–12:00	Lianghai Wu	HAMM7 in EC-Earth4: evaluation of aerosol and cloud properties with 20-year AMIP run.
12:00–12:15	Luna Hiron	Lagrangian icebergs in EC-Earth 4
12:15–12:30	Montserrat Costa Surós	The role of aerosol-sensitive primary ice nucleation and secondary ice production in modulating mixed-phase clouds in EC-Earth4
12:30–12:45	Roberto Bilbao	Update on predictions
12:45–13:45		Lunch
Chair: Namy		
13:45–14:00	Vladimir Lapin	Status of Ocean Tuning Experiments
14:00–14:15	Valerio Lembo	Updates on EC-Earth's commitment to TIPMIP-OCEAN simulations
14:14–14:30	Kai Keller	Replicability of Earth System Models
14:30–14:45	Erik J Schaffernicht	Carbon fluxes as proxy for Earth system feedback to physical and biogeochemical forcing changes in marine and terrestrial processes
14:45–15:00	Marios Chatziparaschos	Developments of dust emissions and ice nucleation in mixed-phase clouds in EC-Earth4
15:00–15:30		Coffee
15:30–16:30		Report from WGs
16:30–17:30	FINAL REMARKS	

Day 4 – Thursday 11

09:00–12:00	HANDS-ON TRAINING	Joakim, Jorge, Vladimir, Philippe Zoom Link: https://rediris.zoom.us/jc/95207966278 Room: 1.2.1 (level 1)
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Hands-on Training Session
on EC-Earth4

A 3-hour hands-on training session to learn:

- How to run EC-Earth4,
- How to build and run EC-Earth4 in a container environment.

10:30–11:00	Coffee break
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Contacts:

For technical issues,
please contact:

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