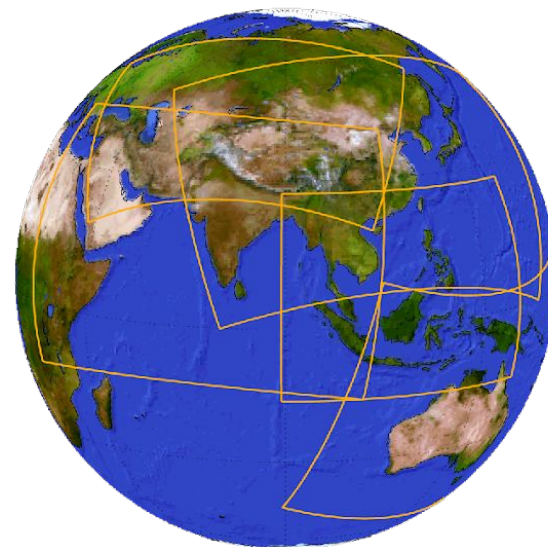
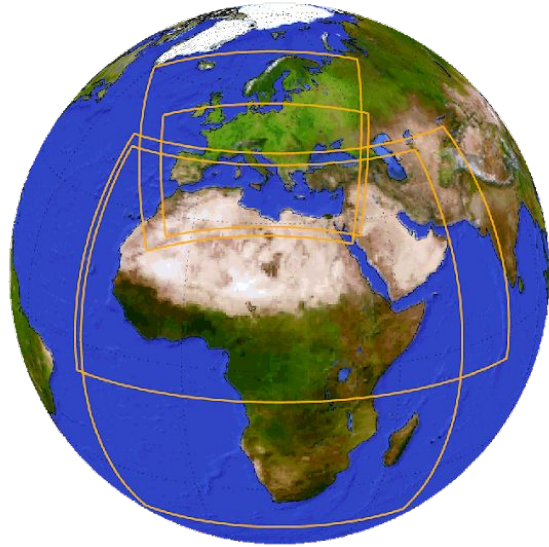
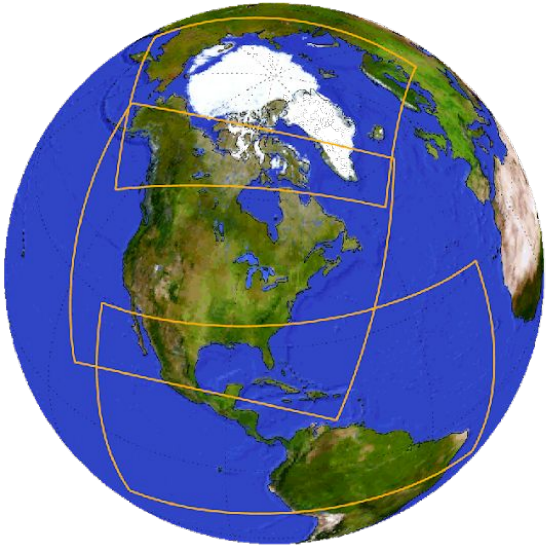


CORDEX International Workshop on Coordinated Regional Projection Research and Synthesis


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ICTP, Trieste
12-15 May 2026

Workshop Aims and Objectives

To bring together scientists involved in the CORDEX community to **agree on, coordinate, and draft the contribution of the CORDEX scientific community to the literature relevant for the next IPCC AR7 report, with a coordinated global vision of regional evaluation and projection.**

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Focus

- Reflect the rapidly evolving landscape of regional climate modeling though based on a new generation of regional climate model projections (CORDEX-CMIP6), ensembles produced by AI-based regional climate emulators.
 - Highlight recent scientific advances and improved understanding achieved over recent years, including
 - Developments in high-resolution regional climate simulations,
 - Process-based evaluation,
 - Attribution of regional climate change,
 - Uncertainty assessment.
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Workshop Expected Outcomes

Draft outlines of number of cross-domain manuscripts focused on topics such as:

- Updates on new regional climate model (RCM) projections
- High-resolution simulations for different CORDEX domains
- Multi-model ensemble approaches and uncertainty quantification
- Downscaling added value and model evaluation
- Observational datasets for model validation
- Process-based evaluation and diagnostics
- Representation of climate extremes (heatwaves, heavy rainfall, droughts)
- Improved understanding of regional climate feedbacks
- AI-based regional climate downscaling and emulators
- Emerging research priorities in regional climate science

Workshop Agenda

Tuesday, 12 May 2026

08:30 - 09:00

Registration Formalities

Upon arrival, Visitors NOT staying in the ICTP Guest Houses, are kindly requested to complete registration formalities at the Adriatico Guest House (Lobby). The Registration Desk will be open in the morning starting from 8:30.

09:00 - 09:15

Representatives from CORDEX-domains : Overview of the Workshop aims and expected outcomes

09:15 - 20:30

Short (15 min + 5 min for questions) presentations with ongoing activities and proposed domain-specific topics (including domain Gaps) – propose papers for specific domain topics

09:15 **Africa 15'**

Speaker: Christopher Lennard

Material: 

09:30 **Central Asia 15'**

Speaker: Ali Shaukat

09:45 **South East Asia 15'**

Speaker: Faye Cruz

10:00 **South Asia 15'**

Speaker: Mandira Singh Shrestha, Lalu Das, Thazhe Purayil Sabin

10:15 **East Asia 15'**

Speaker: Cha Dong Hyun

Material: 

10:30 **Coffee Break 30'**

11:00 **Europe 15'**

Speaker: Claas Teichmann

11:15 **North America 15'**

Speaker: Dominique Paquin, Daniela Jacob

Material: 

11:30

Central America 15'

Speaker: Tereza Cavazos, Hugo Hidalgo

Material: 

11:45

South America 15'

Speaker: Rosmeri Porfirio da Rocha, Maria Laura Bettoli

12:00

Australasia (remote) 15'

Speaker: Marcus Tatcher

Material: 

12:15

Polar (remote) 15'

Speaker: Priscilla Mooney

12:30

Lunch Break 1h30'

14:00

Overview of the status of the CORDEX CORDEX-CMIP6, CORE2 and CORDEX emulators 1h0'

Speaker: Jesus Fernandez, Josè Manuel Gutierrez, Erika Coppola

15:00

SAT stocktake of cross domain topics and brief discussion for BOG preparation 30'

15:30

Coffee Break 15'

15:45

BOGs1,2,3 for particular cross domain topic brainstorming. Expected outcome: proposed ideas for a paper 1h0'

16:45

Back to plenary for general discussion - BOG outcomes - 3 cross-domain papers 45'

Two slots of 30' to allow rotation

18:30

Welcome Reception 2h0'

All Participants are cordially invited to the Welcome Reception.

Wednesday, 13 May 2026

09:00 - 17:30

09:00 **BOGs 4,5,6 for particular cross domain topic brainstorming 1h30'**

Two slots of 30' to allow rotation

10:30 **Group Photo 10'**

10:40 **Coffee Break 20'**

11:00 **Back to plenary for general discussion - BOG outcomes - 3 cross-domain papers 45'**

11:45 **Plenary discussion around the proposed papers 45'**

12:30 **Lunch Break 1h30'**

14:00 **Writing teams Part 1 1h30'**

- *Draft preparation of the proposed papers*
- *Identify teams and the leader + responsible of reporting the following up of the papers*
- *Outline of the paper*
 1. *Figures*
 2. *Data needs*
 3. *Timeline*

15:30 **Coffee Break 15'**

15:45 **Writing teams Part 2 1h45'**

Workshop Agenda

Thursday, 14 May 2026

09:00 - 17:30

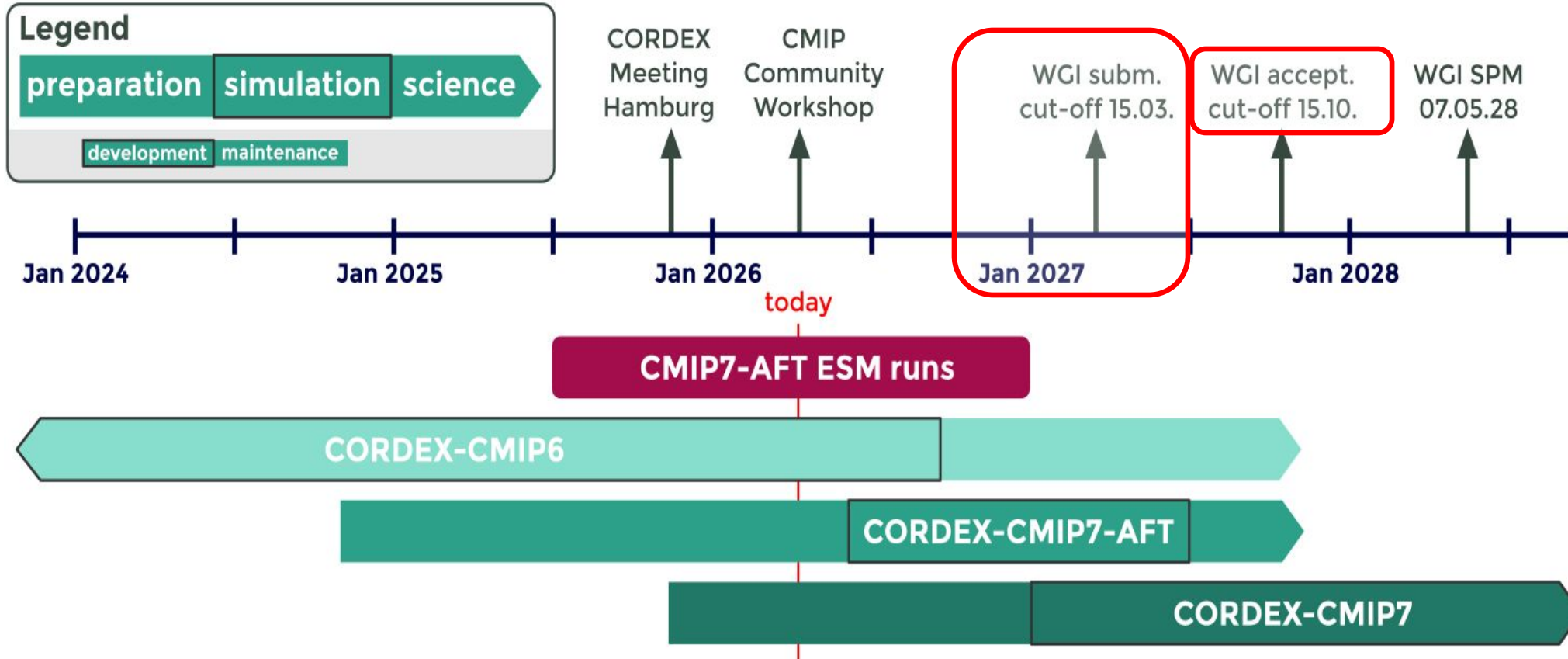
- 09:00 **Writing teams Part 2 1h30'**
- 10:30 **Coffee Break 30'**
- 11:00 **Writing teams Part 2 1h30'**
- 12:30 **Lunch Break 1h30'**
- 14:00 **Plenary: Presentations on the papers and discussion 1h30'**
 - 30 min each*
- 15:30 **Coffee Break 15'**
- 15:45 **Plenary: Presentations on the papers and discussion 1h45'**

Friday, 15 May 2026

09:00 - 17:30

- 09:00 **Wrap-up on the list of proposed papers (cross domain and domain specific) 1h30'**
 - *Pragmatic issues:*
 - o Data distribution*
 - o Organization in Google Drive*
 - o Deadlines and timelines*
 - o Following up on the writing*
 - *Updates on the status of the papers*
 - *Emerging obstacles*
- 10:30 **Coffee Break 30'**
- 11:00 **Wrap-up on the list of proposed papers (cross domain and domain specific) 1h30'**

Plans aligned with IPCC AR7



Practical information

- A shared folder is available for writing teams for each proposed manuscript

[Link](#)

- Regular (monthly) updates on the progress of the manuscripts will be scheduled