

Agendas

[ARP] Atlantic Region Panel

DAY 2 - Tuesday 23, 2025

13:30 - 15:00

13:30 Welcome and aims - *Regina Rodrigues*

13:40 Introductions for new members - *All*

14:00 Feedback from CLIVAR SSG - *Regina Rodrigues*

14:15 Report on foci: AMOC + discussion - *Laura Jackson, Olga Sato, Aixue Hu, Ben Moat, Feili Li*

14:30 Report on foci: Ocean Climate Risk incl. Marine heatwaves - *Regina Rodrigues, Tannecia Stephenson*

14:45 Report on foci: Tropical Atlantic + discussion [\[PIRATA\]](#)- *Hyacinth Nnamchi, Philip Tuchen*

15:30 - 17:00

15:30 Invited talks (15 min each)

- *Peter Brandt*
- *Emil Stanev*

16:00 Individual presentations by ARP members (5 min each) - *All*

16:30 Plans for 2026 - *Regina Rodrigues*

- Terms of reference for ARP foci; plans for more regular meetings
- Plans to continue TBI focus? Coordination with other panels?
- Upwelling systems focus?
- Coordinated sessions
- Papers
- Atlantic blog: volunteers
- Projects to consider for endorsement

16:50 Upcoming membership changes - *All*

16:55 Close + next meeting - *Regina Rodrigues*

[IORP] Indian Ocean Region Panel

DAY 2 - Tuesday 23, 2025

09:30 - 9:40

Introduction to IORP, welcome guests and members

Shikha Singh, Janet Sprintall (Online)

09:40 - 10:30

5 minute talks + 2 min Q&A = 7 min each - *Shika Singh, Janet Sprintall (Online)*

- Emergence of IOD-like warming pattern in observations (includes Q&A) - *Lu Dong*
- *Ivonne Radjawane*
- *Gerry Salamena*
- *Zheng Wang*

Discussion on ITF TT

11:00 - 12:00

5 minute talks + 2 min Q&A = 7 min each *Intan Nurhati, Marie Alexandrine Sicre (Online)*

- *Marie-Alexandrine Sicre (Online)*
- *Intan Nurhati*
- *Sujata Murty*
- *Jens Zinke*

Setting up an IO Paleo Task Team (TT)

Discuss Terms of reference (ToR)

12:00 - 12:20 Progress in set up of ToR etc for Coastal TT - *Tammy Morris (Online), Pattabhi (Online), Bernardino, Eric Raes*

12:20 - 12:30 IORP Business, membership, new TTs - *Shikha Singh*

[PRP] Pacific Region Panel

DAY 2 - Tuesday 23, 2025

9:30 - 10:30

9:30 General introduction, round table

9:35 - 10:05 Discussion on the threats on the Observing System and possible actions

- Threats on the TPOS (3-5') - *Sophie Cravatte*
- How GOOS/OOPC could help (3-5') - *Weidong Yu (Online)*
- Argo deployments, contributions, possible opportunities (3-5') - *Peter Oke*
- Discussion: what can we do as a CLIVAR panel? - *All*

10:10 - 10:30 Collaboration with Pacific countries, in particular Pacific islands

- Cooperation with PISCES (3-5') - *Antonietta Capotondi*
- PCOOS and the SPC: Role and possible actions with CLIVAR (3-5') - *Jerome Aucan*
- Discussion on the reinforcement of the collaboration with Pacific countries, in particular Pacific Islands - *All*

11:00 - 12:30

11:00 SSG feedbacks on the CLIVAR PRP activities: discussion on how best to reply to recommendations

11:30 Update on WGs and ENSO webinars

12:00 Update on the workshop next year to be organized the week before the JpGU-AGU Joint Meeting, 20-22 May 2026, in Tokyo, Japan

15:30 - 17:00 TBI/PRP/CDP: TROPICS WG session

The cross-panel session will include introductions from the TROPICS, TBI and PATAC groups followed by Q&A and a brainstorming exercise to identify key knowledge gaps and research priorities that we should address in those areas, with further discussions to explore pathways forward. This session will be in person only.

[SORP] CLIVAR/CliC/SCAR Southern Ocean Region Panel

DAY 2 - Tuesday 23, 2025

13:30 - 15:00

Opening and self-introduction

- Presentation of SORP including finances by co-chairs (~ 10 min)
- SORP member self introductions (2 slides max, 5 min incl. Q&A each, ~ 45 min), both on site and remote participants.
- Mapping out participation in other panels, expertise, coordination, activities

Operation of SORP

- Monthly telecons
- In person meetings (around conferences, business meetings)
- Communication within SORP
- Membership: Recruitment for this year
- New co-chair for beginning 2027

15:30 - 17:00

SORP Activities Part 1

- SOFIA - *Ariaan Purich*
- PROS4SORP Webinars
- Review cross-shelf heat paper - *Channing Prend*
- Polar heat workshop - *Carolina Dufour*

DAY 4 - Thursday 25, 2025

14:00 - 15:30 SORP Activities Part 2

- Antarctica InSync - *Alexander Haumann*
- Discussion on proposed new SORP activities related to InSync and IPY

16:00 - 17:30 - Cross-panel meeting SORP/NORP/OMDP

[OMDP] Ocean Model Development Panel

DAY 2 Tuesday 23, 2025

13:30 - 17:00

OMDP overview (15 min) - *Manita Chouksey*

Invited guest talk 1 (15 min): Energetically consistent climate modelling - *Carsten Eden*

Invited guest talk 2 (15 min): Indian Ocean simulation in a suite of global and a regional model - *Hasibur Rahman*

Regional downscaling topic discussion (15 min)

Updates on Ocean Model Intercomparison Project (OMIP) Working Group (15 min)

OMDP participation in the Polar Heat Workshop 2026

Update on OMDP webinars

Talk by GSOP co-chair (15 min): Engagement with GSOP - Peter Oke

Discussions

*including coffee break 15:00-15:30

[MP] CLIVAR/GEWEX Monsoons Panel

DAY 2 Tuesday 23, 2025

15:30 - 17:00

Opening remarks - *Thea Turkington*

Updates from Working Groups (WG)

Updates from the International Monsoons Project Office

Discussion on pressing monsoon research (questions to be sent separately)

Discussions on involvement in GPEX and its Working Groups activities

Discussions on the proposed MP's new Observational-cum-Modelling project planned to be submitted to CLIVAR/GEWEX/WCRP for approval/funding

Open Discussion on the ongoing MP & WG activities - *All*

[CDP] Climate Dynamics Panel

DAY 2 Tuesday 23, 2025

13:30 - 15:00

CDP 2026 Annual workshop (updates, if any)

CDP research foci and intersection with other CLIVAR panels and WCRP lighthouse activities

- Confronting high-resolution Earth-system models with observations: Complement and expand on WCRP Digital Earths km-scale Hackathon by exploring whether similar activities can be developed focusing on mesoscale-resolving high-resolution coupled climate simulations e.g. EERIE and MESACLIP datasets.
- APARC-CLIVAR joint discussion and potential for the 2027 joint CPD annual workshop: discuss the potential for a co-organized workshop between CDP and APARC on a topic of common interest.

Open Discussion

[GSOP] Global Synthesis and Observations Panel

DAY 2 Tuesday 23, 2025

11:00 - 12:30

11:00 Welcome and Introduction to GSOP - *Peter Oke*

11:05 Tidal mixing signatures observed from high-resolution sea surface temperature data - *Raden Dwi Susanto*

11:15 An Ensemble-based Coupled Reanalysis of the Climate from 1860 to the Present (CoRea1860+) - *Yiguo Wang*

11:25 The CNR-ISMAR historical ocean reanalyses - *Chunxue Yang*

11:35 Biogeochemical modelling of the Southern Ocean - *Angela Kuhn*

11:45 Comparison of reanalyses and satellite-based sea surface salinity products in the North Atlantic - *Aida Alvera*

11:55 SynObs Flagship Activities - *Yosuke Fujii*

12:05 Metrics for Observing System Experiments: demonstrating Argo impacts on regional analyses - *Peter Oke*

12:10 Discussion – plans, scope, next steps

12:25 Closing Remarks - *Aida Alvera*

[TBI] Tropical Basin Interaction Research Focus

DAY 2 Tuesday 23, 2025

11:00 - 12:30 TBIMIP Session

Presentations:

- a. "Tropical Basin Interactions in CESM2 Pacemaker Experiments" - *Chunzai Wang*
- b. "Examining ENSO skill degradation in the SINTEX-F2 pacemaker hindcast experiments" - *Ingo Richter*

Current data sharing

Toward publishing TBIMIP output on the ESGF

Papers to be prepared by the TBIMIP group

13:30 - 15:00 RF TBI Session

Updates from the 4 Working Groups

Prepare outline for TBI review paper and assign writing tasks

Discuss the legacy of RF TBI

Schedule TBI webinar series

DAY 4 Thursday 25, 2025

11:00 - 12:30 Breakout Session 3: Indo-Pacific Ocean, Climate, and Linkage (TBI RF, PRP, IORP joint-session)

- Indonesian Throughflow Monitoring Program: Past, Present, and Future - *Dwi Susanto*
- Drivers of Indo-Pacific upper ocean heat and freshwater variability: A synthesis of coral proxies and ocean models - *Sujata Murty*
- Tropical basin interactions in changing climates since the Last Glacial Maximum - *Yuko Okumura*
- Interactions between Pacific and Indian Ocean interannual variability - *Malte Stuecker*
- Discussions

[TBI] Tropical Basin Interaction Research Focus

DAY 4 Thursday 25, 2025

16-00 - 17:30 TBI Open Session

Future perspectives for TBI research (*Wenju Cai* and *Jin-Yi Yu*, ~10 min each)

Brief highlights from the RF TBI activities, organized along the four RF TBI Working Groups.

- TBIMIP - *Ingo Richter*
- Interbasin LIM - *Shoichiro Kido*
- Toward a pantropical observation system - *Ingo Richter on behalf of Greg Foltz*
- Paleo reanalysis or similar - *Noel Keenlyside / Yuko Okumura*

Discussion on the RF TBI legacy

[MHWs] Marine Heatwaves in the Global Ocean Research Focus

DAY 2 Tuesday 23, 2025

11:00 - 12:30 RF Meeting

Short presentations from all the members (5 min each)

Discussion on future activities

DAY 4 Thursday 25, 2025

14:00 - 15:30 Open Session

- Summary of marine heatwaves presentations at CLIVAR Symposium - *Antonietta Capotondi*
- Drivers of marine heatwaves in different regions – *Neil Holbrook*
- Biogeochemical extremes and their interactions with physical extremes – *Nikki Lovenduski*
- Marine heatwaves at the coasts – *Katie Smith*
- Discussions

[TROPICS] TBI-PRP-CDP Cross Panel Meeting

DAY 2 Tuesday 23, 2025

15:30 - 17:00

Introduction: goals, session structure, introduction of speakers (5 min) - *Malte Stuecker*

Three presentations (15 min each, including 3 min Q&A)

- TROPICS Working Group - *Mat Collins*
- PATAC Working Group - *Andrea Taschetto*
- TBI Research Focus - *Ingo Richter*

Breakout exercise (20 min)

- Aims (5 mins) - *Malte Stuecker, Ingo Richter, and Andrea Taschetto* (5min)
- Discussion (15 min) - Brainstorm gaps in each area

Closing (5 min) - *Malte Stuecker*

[OMDP- PRP] session

DAY 4 - Friday 26, September

13:30 - 14:30

Opening - Round-table Introductions 5 min

Brief overview of PRP and of its Working Groups - 10 min

Brief overview of OMDP - 10 min

Regional Modelling initiative - *OMDP* - 10 min

Discussions on combined analysis, topics of common interest (Pacific biases, etc) - 20 min

Actions and Closing meeting 5 min

[SORP/OMDP/NORP] Cross-panel meeting

DAY 4 Thursday 25, 2025

16:00 - 17:30

Round of introductions (5 min)

Name, affiliation, panel

Part 1 - Regional modelling (30 min)

- Presentation of CLIVAR-CORDEX - *Angélique Melet* (5 min)
- Discussion on regional modelling in polar regions, including both regional models and global models with regional refinement and focus on the poles: what exists already? What is missing? (30 min)

Part 2 - Ocean Model Intercomparison Project (OMIP) (30 min)

- Presentation of OMIP - *Gokhan Danabasoglu* (5 min)
- Discussion on what OMIP could focus on in polar regions (important questions to address, analyses, etc) and whether new observations will be available for model evaluation through Antarctica InSync (30 min)

Part 3 - Joint activities between NORP, SORP and OMDP (25 min)

- Advertisement of the Polar heat workshop in Glasgow (Feb. 28 - Mar. 1st, 2026)
- Joint modelling efforts in polar regions: discussion on what to prioritize in ocean modelling (e.g. resolution), OSSEs to guide the planning of the next IPY
- Organisation of joint activities: summer school, workshop, review or white papers

[ECRs Session] Early Career Researchers Session

DAY 4 Thursday 25, 2025

Chaired by Shikha Singh and Philip Tuchen

14:00 - 15:30 Open to all career stages

- Welcome
- Roundtable introduction
- Introduction to the ECR Session, CLIVAR, and ECRs in CLIVAR
- Mentoring talks:
 - Dr. Chris Lennard - University of Cape Town (WCRP Academy)
 - Dr. Masa Kageyama - LSCE (CLIVAR Scientific Steering Group)
 - Prof. Francois Engelbrecht - University of the Witwatersrand (CLIVAR Scientific Steering Group)
- Interactive discussions (sharing experiences and challenges)

16:00 - 17:30 For ECRs, mentoring from senior scientists is welcome

- Brainstorming on current and future challenges in ocean and climate science

- Design and draft the research proposal and the proposal for a CLIVAR ECR panel

**Side Event: Enhancing International Ocean-Climate Research Collaboration
in a Changing Climate**

DAY 4 Thursday 25, 2025

Facilitators: Agus Santoso, Xiaopei Lin, Fei Chai, Juliet Hermes

14:00 - 15:30

- Introduction
 - OceanObs'29
 - Global Ocean Summit and Global Ocean Research Union
- Sea Level Rise and WCRP - *Hindumathi Palanisamy*
- Coordinated efforts for detecting and understanding ocean oxygen change and links to heat and carbon - *Lijing Cheng*
- Enhancing international collaboration with the palaeoclimate community - *Jens Zinke*
- Discussions

16:00 - 17:30

- Strengthening International Collaboration through Ocean Observations: Lessons from Indonesia and the Data Buoy Cooperation Panel - *Nelly Florida Riama*
- Strengthening Ocean-Climate Research in the Bay of Bengal: Regional Collaboration for a Changing Climate - *Mohan Kumar Das*
- 2nd Cooperative Study of the Kuroshio and its Adjacent Regions (CSK-2) *Xiaopei Lin*
- Discussions

Side Event - Interactive Session:
"Inclusive Innovation for Ocean and Climate Observations"

DAY 5 Friday 26, 2025

Moderator - Juliet Hermes

Welcome and Introductions (10 min)

Scene-Setting Presentations and Discussion (40 min)

- *Patrick Gorringe* will frame the global need for accessible, scalable technologies, drawing examples from FVON, scuba-based monitoring, CoastMap, and ocean colour initiatives.
- *Faruq Khadami* will present a low-cost observation system for aquatic environments that uses AI-powered camera vision to detect floating debris, distinguishing plastics from other waste and classifying debris by size. This approach has strong potential for application in rivers, estuaries, and coastal waters, where pollution monitoring is most urgent (3 minute video),

- *Lizzie Murray* will explain why surfers are a vital part of this story – how surfboard sensors close key coastal data gaps and how the surfing community is uniquely positioned to champion ocean stewardship.
- *Rip Curl / Professional Surfer* will zoom into the issues at Kuta Beach, sharing lived experience of environmental pressures and the potential role of sport in driving solutions.
- *Local Indonesian voices* (youth or community representative) will add personal perspective, sharing how ocean changes are felt daily and how local participation in monitoring offers empowerment and impact.

Closing Activity: “Science in Motion” (30 min) - *Lizzie Murray, Rip Curl*
Immersive demonstration on the beach.