

WG			
Tuesday, 9 July 2024: Plenary			
Time (CEST)	Presentation	Presenter	Attendance
09.00-09.30	Registration		
<i>Opening Statements &amp; Introductions</i>			
09.30-09.45	<p><b>Welcoming Remarks &amp; Opening Statements</b></p> <p><i>Professor Sarah Jones</i> <i>President, DWD</i></p> <p>Chris Hewitt <i>Director, Climate Services Branch, WMO</i></p>		In-person
09.45-10.10	Introduction to the Workshop	Omar Baddour (WMO)	Online
10.10-10.20	Structure & Agenda	Claire Ransom (WMO)	In-person
10.20-10.30	Logistics	Markus Ziese (DWD)	In-person
10.30-11	<i>Coffee/screen break (ice-breaker activity)</i>		
<i>Session 1: Physical science</i>			
11-11.15	Potential Future Physical Indicators	John Kennedy (WMO)	In-person
11.15-11.30	Operational Attribution	Blair Trewin (BoM)	In-person
11.30-11.45	Physical Data Gaps	Markus Ziese (DWD)	In-person
<i>Session 2: Climate action</i>			
11.45-12.00	Climate Action Progress Indicators	Judit Hecke (New Climate Institute)	In-person
12.00-12.15	Climate Finance Indicators	Baysa Naran (CPI)	In-person
12.15-12.30	Renewable Energy Indicators	Tobias Fuchs (DWD)	In-person
12.30-13.00	Group Discussion		Hybrid
13.00-14.00	<b>Lunch</b>		
<i>Session 3: Collaboration</i>			
14.00-14.30	Socio-economic Impact Data	FAO/UNHCR/IOM	Online
14.30-14.45	United in Science	Lauren Stuart (WMO)	In-person
14.45-15.00	State of Water Resources	Sulagna Mishra (WMO)	In-person
15.00-15.15	IPCC	Mxolisi Shongwe (IPCC)	In-person
15.15-15.45	<i>Coffee/screen break</i>		
15.45-16.15	National SoC Reports	Patricia/Joyce (KMD) Sena A. (BMKG)	In-person
16.15-16.45	Other groups & discussion		Hybrid
<b>Closing</b>			
16.45-16:55	Wrap-up/Summary	John Kennedy (WMO)	In-person
16.55-17.00	Looking Ahead: Day 2	Claire Ransom (WMO)	In-person
17.00-17.30	<i>Optional Tour of GPC</i>	Markus Ziese (DWD)	In-person

Wednesday, 10 July 2024: Working Groups				
Time (CEST)	Group	Facilitator(s)	Note-taker	Hybrid Coordinator
09.00-10.45	Working Group 1	John K.	Peer H.	Claire R.
09.00-10.45	Working Group 2	Blair T.	Peter S.	Markus Z.
10.45-11.00	<i>Coffee break &amp; switch groups</i>			
11.00-12.45	Working Group 1	John K.	Peer H.	Markus Z.
11.00-12.45	Working Group 2	Blair T.	Peter S.	Claire R.
12.45-13.45	<i>Lunch</i>			
13.45-14.15	<i>Side event: Improving Data Visualization (ESRI &amp; ECMWF)</i>			
14.15-15.45	Working Group 3	Peer H. & Lauren S.	Atsushi G.	Claire R.
14.15-15.45	Working Group 4	Alvaro S. & Sena A.	Awatif TBC	Markus Z.
15.45-16.00	<i>Break &amp; switch groups</i>			
16.00-17.30	Working Group 3	Peer H. & Lauren S.	Atsushi G.	Markus Z.
16.00-17.30	Working Group 4	Alvaro S. & Sena A.	Awatif TBC	Claire R.

Thursday, 11 July 2024: Plenary			
Time (CEST)	Presentation	Presenters	Attendance
09.00-09.45	Working Group 1	John & Peer	In-person
09.45-10.30	Working Group 2	Blair & Peter	In-person
10.30-11.00	<i>Coffee break</i>		
11.00-11.45	Working Group 3	Peer H., Lauren S., Atsushi G.	In-person
11.45-12.30	Working Group 4	Alvaro S., Sena A., Awatif	In-person
12.30-13.30	<i>Lunch</i>		
13.30-13.45	Moving Forward: SoC Strategy	Omar B. & Peer H.	In-person/Online
13.45-14.15	Policy brief: proof of concept	Claire R.	In-person
14.15-15.30	Group Discussion	All	Hybrid
15.30-16.00	<i>Closing</i>		
16.00-16.15	Summary & Next Steps	John K.	In-person
16.15-16.30	Closing Remarks	Chris H.	Online

### Working Group 1: **Indicators**

- Physical Indicators:
    - o From initial list of new indicators: what is most feasible/practical to include?
  - Climate action progress indicator(s)
    - o Finance, energy transition, vulnerability: what is most feasible/practical to include?
  - Socio-economic impact indicators
    - o Food security, displacement, health, environment, loss & damage,
    - o What possible indicator(s) could aggregate impacts *globally*?
    - o What should be left to national or regional levels, especially considering data quality?
    - o How to attribute impacts to climate?
  - **Deliverable:** Short list of recommended indicators
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### Working Group 2: **Emerging Challenges**

- Paris Agreement Thresholds
    - o What are the existing methodologies and challenges on tracking 1.5° & 2°?
    - o What are the issues around communicating 1.5° & 2°?
    - o **Deliverable:** How should this information be included in the SoC?
  - Open science questions: *Antarctic sea ice, tipping points, AMOC...*
    - o What is the status of (each) question?
    - o **Deliverable:** Consideration of WMO/WCRP/IPCC position paper to be updated on annual basis on progress made on answering
  - Attribution: Long-term & operational
    - o What are the opportunities & challenges of each?
    - o **Deliverable:** Recommendations on how to make best use of both
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### Working Group 3: **Synergy with other groups**

*IPCC, WMO Flagship Reports (United in Science, State of Water Resources, Climate Services) Task Team on 1.5°, World Bank, etc.*

- How can we align timelines, datasets, review mechanisms, branding, etc. especially considering the need to produce ahead of COP/UNGA?
  - **Deliverable:** Workplan/agreement on policy brief structure
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### Working Group 4: **Capacity Development**

- How can we better utilize existing tools, mechanisms, and infrastructure to improve global, regional, & national communication?
  - o Data visualization, mapping
  - o Real-time reporting (records, dashboard, "Hub")
- How can we better engage Met Services, global and regional entities (C3S/GPCC/NOAA) (RCCs, Regional Training Centers, RCOFs)?
  - o How can tools be exported at national level?
- What's missing/needed to implement tools, especially at the national level?
- **Deliverable:** List of available tools/training plans, strategy for better engaging Met Services