Purpose:
The State of the Climate reports are among WMO's flagship products, done on annual and multi-year timescales at global and regional levels. To ensure the quality and relevance of these reports, the Climate Monitoring and Policy (CMP) team is planning to host an international workshop on the State of the Climate Modernization in summer 2024. This "Write-Shop" is being held as a preparatory meeting ahead the workshop and to make recommendations on the structure and participation. The write-shop workplan includes the following:

In DAY 1 the first plenary session includes presentations for setting the stage and discussions on high-level aspects of the State of the Climate Monitoring and prospect for its future.

In DAY 2, the workplan includes two Thematic Sessions (TS1, TS2) to be addressed by two Working Groups (WG1, WG2). The purpose of thematic sessions is to deliver documents for consideration by the IWSCM24. For each thematic session, there will be a moderator assisted by the Secretariat to guide the WGs in producing their respective deliverables.

In DAY 3 a concluding plenary session will be held for reporting the WGs deliverables and finalizing the documents.

WORLD
METEOROLOGICAL
ORGANIZATION

DAY 1: 8 November

Plenary Session (PL1) Stage setting, general background of the existing State of the Climate reports and other reports from global, regional, and national institutions.

Lead: John Kennedy, assisted by Omar Baddour

AM Presentations:

9:00: Opening Remarks – Chris Hewitt and Mark Majodina

9:15: State of the Climate Reports – John Kennedy and Blair Trewin

10:00: Coffee Break

10.15: Other Groups
- IPCC Structure and Working Groups – Mxolisi Shongwe
- BAMS State of the Climate – Jessica Blunden
- GCOS Essential Climate Variables – Caterina Tassone

11:00 Break

11.15: WMO Reports
- United in Science – Lauren Stuart
- State of Climate Services – Veronica Grasso/Nakiete Nsemo
- State of Water Resources – Sulagna Mishra

12:00 LUNCH

13:30: Group discussion:
- Content/Relevance
- Contributors
- Audience and communication aspects
- Resources
- Review
- Day 2 logistics, working group guiding questions and deliverables

Deliverables:
- DEL-1: Paper raising fundamental questions such as on the benefit of continuing the current scheme of global and regional reports.
- DEL-2: Scenarios for future directions

DAY-2: 9 November

Participants will split into three groups to work in two Thematic Sessions TS1 on Monitoring Headline Global Climate Indicators and TS2 on Monitoring High Impact Events.

TS1: Monitoring Headline Global Climate Indicators
Moderator: Jessica Blunden, assisted by Atsushi Goto

- Are the current indicators sufficient and appropriate?
- WMO Climate Data Dashboard, other dashboards
- Consistency with IPCC (estimating warming, baselines, uncertainty estimates)
- Frequency for updating the indicators (weekly, monthly, quarterly etc.)

Deliverables:

- DEL-3: List of potential candidates for new headline climate indicators
- DEL-4: Proposals for their monitoring on various timescales, the role of WMO and other institutions, monitoring & review

TS2: Monitoring High Impact Events
Moderator: Blair Trewin, assisted by José Alvaro

- Tools for data collection and analysis
- New perspectives for using crowdsourced data, big data, satellite data, others.
- Criteria, thresholds, and categorization of events

Deliverables:

- DEL-5: White paper on the opportunities for moving from annual summaries to near real time monitoring
- DEL-6: Description of potential benefits and technical challenges

DAY-3: 10 November

Plenary Session (PL2) - Concluding Session
Lead: John Kennedy, assisted by Omar Baddour

Deliverables:

- DEL-7: Reports from WGs and finalization of the documents produced by the thematic sessions
- DEL-8: Recommendations for the structure of and participants at the International Workshop on State of the Climate Modernization (DEL-10)

	AM	PM	Deliverables
DAY 1	PL1 PL1	PL1 PL1	DEL-1 DEL-2
DAY 2	TS1 TS2	TS1 TS2	DEL-3, DEL-4 DEL-5, DEL-6
DAY 3	PL2	PL2	DEL-7 DEL-8