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| WEATHER CLIMATE WATER | **World Meteorological Organization****COMMISSION FOR WEATHER, CLIMATE, WATER AND RELATED ENVIRONMENTAL SERVICES AND APPLICATIONS****Second Session**17 to 21 October 2022, Geneva | **SERCOM-2/Doc. 5.5(5)** |
| Submitted by:Chair 17.X.2022**APPROVED** |

**AGENDA ITEM 5: TECHNICAL REGULATIONS AND OTHER TECHNICAL MATTERS**

**AGENDA ITEM 5.5: Climate services**

# Climate Data Requirements and Solutions

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## DRAFT DECISION

## Draft Decision 5.5(5)/1 (SERCOM-2)

### Climate Data Requirements and Solutions

**The Commission for Weather, Climate, Water and Related Environmental Services and Applications**, having considered the [conclusions](https://community.wmo.int/activity-areas/climate/meetings/fourth-meeting-standing-committee-climate-services-sc-cli-4) provided by the Standing Committee on Climate Services on climate data requirements and solutions, **decides:**

(1) To highlight the crucial importance of high-quality time-series data for describing, understanding, researching and predicting the climate system — including climate variability and change — and its Earth System dimensions and linkages in support of climate services for sustainable development and the well-being of societies;

(2) To reflect the following climate data-related priorities in its work programme:

(a) To sustain efforts for the rescue and digitisation of climate records as an ongoing operational activity;

(b) To make use of modern and inter-operable data management systems, and climate analysis and application tools;

(c) To promote the use of state-of-the-art methodologies and techniques in assessing climate data stewardship to achieve high-level data maturity for climate purposes;

(d) To streamline and rationalise the collection of climate data — including the reinstatement of the decadal cycle for the collection of World Weather Records (WWR) for the decade 2021-2030 — to ensure timely collection, exchange and archival of critical datasets including monthly CLIMAT and DAYCLI reports, Climatological Standard Normals, WWRs, National Climate Monitoring Products and data on high-impact events underpinning climate monitoring and climate watch activities, as well as to specifically foster the integration of the CBS Lead Centres for GCOS into the new WMO structures and strengthen their role in ensuring and supporting the aforementioned tasks according to their TOR *[Germany]*;

(e) To mainstream climate data and its analyses in the WMO priority initiatives including the WMO contribution to the UNFCCC process, the WMO-led ‘Early Warnings for All’ initiative and the WMO Cataloguing of Hazardous Events;

(3) To request the Standing Committee on Climate Services to collaborate with other SERCOM Standing Committees, appropriate INFCOM Standing Committees, the Research Board, Regional Associations and other relevant bodies to facilitate the implementation of the above climate data requirements and priorities, and its reflection in WMO regulatory material;

(4) To request the SERCOM Management Group to ensure that these priorities are properly reflected in the SERCOM work programme and to report its implementation status at the next SERCOM session.

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Decision justification: The [outcomes of the Standing Committee on Climate Services (5-7 April 2022)](https://wmoomm.sharepoint.com/sites/wmocpdb/eve_activityarea/Forms/AllItems.aspx?id=%2Fsites%2Fwmocpdb%2Feve%5Factivityarea%2FClimate%2FSC%2DCLI%2D4%2FReport%2DSC%2DCLI%2D4%2Epdf&parent=%2Fsites%2Fwmocpdb%2Feve%5Factivityarea%2FClimate%2FSC%2DCLI%2D4&p=true&ga=1)

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See SERCOM-2/INF. 5.5(5) for more information.