



WMO OMM

World Meteorological Organization
Organisation météorologique mondiale
Organización Meteorológica Mundial
Всемирная метеорологическая организация
المنظمة العالمية للأرصاد الجوية
世界气象组织

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Ref.: 10521/2021-17 S/CMP

Our ref.: 10521/2021/S/CMP/CLINO
Annex.: 1 (available in English only)
Subject: CLINO Regional Consultations

10 May 2021

Dear Sir/Madam,

I wish to inform you that the Commission for Weather, Climate, Water and Related Environmental Services and Applications (SERCOM), at its first session, Part II (February 2021) endorsed the proposal for launching the calculation and the World Meteorological Organization (WMO) collection of the Climatological Standard Normals for the base period 1991-2020.

The WMO collection process will be started by a separate WMO call for the necessary information later this year. The Secretariat, in close collaboration with SERCOM's Expert Team on Data Requirements for Climate Services (ET-DRC), offers a series of online regional consultations to facilitate the calculation and submission of Climatological Standard Normals. A concept note, including the schedule for the regional consultations, is provided in the [annex](#) to this letter.

The regional consultations will be run as TEAMS or ZOOM meetings. I kindly invite you to send email addresses of your staff wishing to attend the consultations to wcdmp@wmo.int (subject: CLINO [country or territory]) **by 10 June 2021**. A confirmation email will be sent to confirm receipt of your notification.

I wish to thank you for your continued support to the WMO activities.

Yours faithfully,

Dr Elena Manaenkova
for the Secretary-General

To: Permanent Representatives of Members with WMO
cc: Hydrological Advisers

Concept note: WMO Regional consultations on calculating and submitting Climatological Standard Normals 1991-2020

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Introduction:

Globally collected and compiled in a standard format, the Climatological Standard Normals provide a powerful standard climate data set for various applications, including for: (i) global and regional climate monitoring, (ii) validation and calibration of climate models used for climate predictions and projections, (iii) development of various atlases which underpin climate resources assessments, such as renewable energy potential, (iv) underpinning climate statistics relevant for water management, agriculture, investment strategies, climate-related health risk assessment, buildings and infrastructure standards, and others.

Definitions and general and methodological guidance on the calculation of Climatological Standard Normals are available in (i) the [WMO Technical Regulations, Volume I – General Meteorological Standards and Recommended Practices](#) (WMO-No. 49), (ii) the [Manual on the High-quality Global Data Management Framework for Climate](#) (WMO-No. 1238), (iii) the [Guide to Climatological Practices](#) (WMO-No. 100) and (iv) the [WMO Guidelines on the Calculation of Climate Normals](#) (WMO-No. 1203).

WMO data collection procedure and timeline (cf. Decision 6 (SERCOM-1(II)):

1. A WMO call for submission of Climatological Standard Normals 1991-2020 including detailed format specifications and collection approach will be launched in July 2021;
2. Collection period of Climatological Standard Normals 1991-2020: 1 October 2021 to 31 March 2022;
3. Collection assessment report to EC-75;
4. WMO call for late submissions of Climatological Standard Normals 1991-2020 in July 2022;
5. Collection period of late submissions of Climatological Standard Normals 1991-2020: 1 October to 31 December 2022;
6. Publication of (preliminary*) Climatological Standard Normals 1991-2020 in 2023 and final collection report Cg-19.

**Subject to data quality considerations.*

Regional consultations:

A series of online regional consultations will be arranged by the Secretariat in close collaboration with SERCOM's Expert Team on Data Requirements for Climate Services (ET DRC) to promote the calculation of Climatological Standard Normals 1991-2020 and to facilitate the exchange of information among NMHSs in order to underpin the Normals' calculation and WMO collection processes.

Dates:

Region	Language	Date	Time
RA I	English	15 June 2021	1000–1130 Geneva time (0800-0930 UTC)
RA I	French	16 June 2021	1000–1130 Geneva time (0800-0930 UTC)
RA II	English	17 June 2021	0900-1030 Geneva time (0700-0830 UTC)
RA VI	English	22 June 2021	1000–1130 Geneva time (0800-0930 UTC)
RA VI and RA II	*Russian	23 June 2021	1000–1130 Geneva time (0800-0930 UTC)
RA V	English	24 June 2021	0700-0830 Geneva time (0500-0630 UTC)
RA III	*English, Spanish	29 June 2021	1530-1700 Geneva time (1330-1500 UTC)
RA IV	*English, Spanish	30 June 2021	1530-1700 Geneva time (1330-1500 UTC)

* *Subject to availability of resources*

Agenda: Opening, Presentation on calculating and submitting CLINO 1991-2020 (WMO/ET DRC), Open discussion, Summary and Closure

Participants: NMHS managers and technicians responsible for CLINO calculation

Resource persons (proposed): ET DRC including Mr Denis Stuber and Mr Jose Guijarro, Mr Peer Hechler (WMO)
