



Nuestra ref.: 22736/2020/S/CMP

16 de diciembre de 2020

Anexos: 2 (disponibles en inglés solamente)

Asunto: Estaciones de observación centenarias de la Organización Meteorológica Mundial

Finalidad: Presentar información de hasta cinco estaciones de observación a largo plazo (centenarias) con la mayor brevedad posible, pero **no más tarde del 15 de febrero de 2021**, para su evaluación con fines de reconocimiento por parte de la Organización Meteorológica Mundial

Estimado señor/Estimada señora:

Quisiera señalar a su atención la [Resolución 7 \(EC-72\)](#) — Versión actualizada del mecanismo de reconocimiento de estaciones de observación climática a largo plazo, cuya finalidad es destacar la importancia de las estaciones de observación a largo plazo y fortalecer el suministro de sus metadatos y datos de observación. Hasta la fecha, la Organización Meteorológica Mundial (OMM) ha reconocido 234 estaciones centenarias ubicadas en las 6 Regiones de la Organización y en la Antártida. Para ayudar a mantener en funcionamiento las estaciones de observación centenarias es preciso destacar que esos recursos propician la investigación científica y entrañan un gran valor para la sociedad y, con ese fin, los Miembros han organizado actividades en las redes sociales, así como diversos actos de celebración a escala local y nacional, cuya acogida ha sido sumamente positiva. La OMM está resuelta a proseguir con la iniciativa de reconocimiento de las estaciones de observación centenarias y estudia fórmulas que permitan ampliar el mecanismo de reconocimiento a fin de que también tenga en cuenta emplazamientos de observación de parámetros hidrológicos y marinos, así como aquellos que recaban otros datos significativos de naturaleza geofísica.

En el [sitio web de la iniciativa](#) puede obtener información sobre el mecanismo de la OMM para el reconocimiento de las estaciones de observación a largo plazo y consultar las listas de las estaciones reconocidas y de las estaciones candidatas, así como los criterios de reconocimiento.

Quisiera contar con su colaboración en esta importante iniciativa y le invito a que presente información de hasta cinco estaciones de observación a largo plazo (estaciones candidatas adicionales) de su país o territorio que cumplan los nuevos criterios señalados en el [anexo 1](#). La presente invitación está destinada a estaciones candidatas (incluidas estaciones de observación en altitud) de Servicios Meteorológicos e Hidrológicos Nacionales (SMHN) y de otros operadores de estaciones.

A los Representantes Permanentes de los Miembros ante la OMM

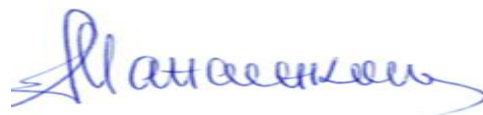
Copias: Asesores Hidrológicos

La Junta Consultiva de la OMM para el Reconocimiento de las Estaciones de Observación a Largo Plazo evaluará las respuestas y formulará recomendaciones que se someterán a la consideración del Consejo Ejecutivo en su 73ª reunión (abril de 2021). La OMM publicará en su sitio web certificados y un modelo normalizado de placa metálica o de cobre para cada estación reconocida (para que cada Miembro fabrique la suya, si así lo desea), y también transmitirá por correo electrónico toda esa información.

Le agradecería que enviara su respuesta **no más tarde del 15 de febrero de 2021**. Sírvase utilizar la versión actualizada de la plantilla que figura en el [anexo 2](#) para cada estación de observación individual (se puede descargar una versión en WORD del [sitio web](#) indicado con anterioridad*).

Para obtener información adicional al respecto, sírvase ponerse en contacto con el señor Omar Baddour, jefe de la División de Servicios de Monitoreo del Clima y Políticas Climáticas, y con el señor Peer Hechler, funcionario científico de la misma División, mediante la dirección wcdmp@wmo.int.

Le saluda atentamente.



Dra. Elena Manaenkova
por el Secretario General

* Haga clic en "WMO Recognition mechanism" (Mecanismo de reconocimiento de la OMM) y, a continuación, en "Self-assessment template for nomination of candidate stations" (plantilla de autoevaluación para la designación de estaciones candidatas).

UPGRADED CRITERIA FOR WMO RECOGNITION OF CENTENNIAL OBSERVING STATIONS

Note: EC-72, in September 2020, endorsed upgraded recognition criteria, which aim at strengthening the provision of station metadata and observational data of WMO Centennial Observing Stations ([Resolution 7 \(EC-72\)](#)). The upgraded recognition criteria are provided below (modifications highlighted in bold and/or strikethrough) and are reflected in the updated self-assessment template (Annex 2).

An additional note has been added to the introductory notes on the self-assessment template: Station operators shall assign a WIGOS Station Identifier to all nominated stations and populate OSCAR (<http://oscar.wmo.int>) with the minimum station metadata according to criterion 3 below.

Mandatory criteria

- (1) The observing station was founded at least 100 years ago, observing at least one meteorological element since then, and is in operation as an observing station at the date of nomination.
- (2) Periods of inactivity of the observing station shall not exceed 10%.
- (3) The minimum historic station metadata for the full duration of station operation shall contain actual or derived geographical coordinates including elevation, known changes of station name and/or station identifier, identified meteorological element(s) and its unit(s) as well as the observing schedule(s).
- (4) Any known observing station relocation or change in the measurement technique have not significantly affected the climatological time-series data. *Note: Documented data homogenization for the observing station is considered compliant with criterion 4.*
- (5) All historic observational data and metadata have been digitally archived or will be rescued. Members ~~are requested to~~ **shall** share their plans for data rescue, if applicable.
- (6) The observing station shall be operated according to WMO observing standards according to the Manual on the WMO Integrated Global Observing System (WMO-No. 1160) and the Guide to Instruments and Methods of Observation (WMO-No. 8). *Note: Explanatory information ~~should~~ shall be provided for those stations that do not meet current WMO observing standards.*
- (7) The current environment of the observing station has been classified or will be classified according to the siting classification defined in the Guide to Instruments and Methods of Observation (WMO No. 8). Members ~~are requested to~~ **shall** share **(i) the results of metadata attached to the siting classification in the appropriate WMO metadata repository (currently OSCAR) or (ii) their plans to classify the observing station, if applicable** ~~for the nomination process and any future re-nomination.~~
- (8) The observed and measured data shall be subject to routine quality control procedures according to current WMO guidelines and practices. The quality control processes as well as its results shall be well documented. ***Note: A brief description of the routine quality procedures at the observing station shall be included in the References/Remarks column.***
- (9) Members shall do their utmost to maintain nominated stations according to the above recognition criteria.

- (10) Historic observation data and metadata have been made available for scientific research, consistent with [Resolution 40 \(Cg-XII\)](#) - WMO Policy and Practice for the Exchange of Meteorological and Related Data and Products Including Guidelines on Relationships in Commercial Meteorological Activities, and [Resolution 60 \(Cg-17\)](#) - WMO Policy for the International Exchange of Climate Data and Products to Support the Implementation of the Global Framework for Climate Services, or will be made available. Members shall share their plans for data availability, if applicable.

Desirable criteria:

~~(a) Free and unrestricted data access [definition cf. Resolution 40 (Cg-XII)], should be granted to the data including respective metadata.~~

~~(b) Observing station time series data should be subject to quality control.~~

~~(c) Observing station time series should be subject to homogeneity testing and homogenization, if applicable. Note: Important for any centennial observing station is that the distribution of its observed data allows testing homogeneity and that possible breaks in the series are distributed in a way that the time series can be homogenized. A sufficient number of neighboring stations will facilitate the homogenization procedure. It is fundamental to preserve the original data before any further treatment. In case of homogenization the original as well as the homogenized series shall be stored.~~

WMO CANDIDATE CENTENNIAL OBSERVING STATION SELF-ASSESSMENT TEMPLATE

Ref.: 22736/2020-1.8 S/CMP

Important notes:

- Please send the filled-in template (one template for one observing station) to wcdmp@wmo.int
- Station operators are encouraged to provide sufficient information in the 'References/Remarks' column to facilitate the assessment by the Advisory Board. Station operators are encouraged to attach additional documentation and photos to be made available publicly, however, this additional information is not core to the assessment.
- Information in the self-assessment template MUST BE TYPED (handwritten information cannot be processed). A WORD version of the template can be downloaded from <https://public.wmo.int/en/our-mandate/what-we-do/observations/centennial-observing-stations> -> WMO Recognition Mechanism -> WMO letters inviting nomination
- Station operators are invited to consider filling the template in English in order to accelerate the recognition assessment.
- The correctness of the information provided in the template is the responsibility of the station/network operator. The Advisory Board performs its assessment based on the completed template considering additional global information. The information provided by the station operator in the template will be made available publicly for user review.
- Station operators shall assign a WIGOS Station Identifier to all nominated stations and populate OSCAR (<http://oscar.wmo.int>) with the minimum station metadata according to criterion 3 below.

Current station information

Station name		
Start of observations (year)		
WIGOS Station Identifier and other current station identifiers, where available		
Station latitude and longitude ¹		
Station elevation ¹ (meter above MSL)		
Country/Place		
WMO Region		
Institution		
Name of contact person		Email address

¹ Cf. *Guide to Instruments and Methods of Observation* (WMO-No. 8) – *Coordinates of the station*

Mandatory criteria

Criteria	Compliance (Yes/No)	References / Remark
(1) The observing station was founded at least 100 years ago, observing at least one meteorological element since then and is in operation as an observing station at the date of nomination.		
(2) Periods of inactivity of the observing station shall not exceed 10 %.		
(3) The minimum historic station metadata for the full duration of station operation shall contain actual or derived geographical coordinates including elevation, known changes of station name and/or station identifier, identified meteorological element(s) and its unit(s) as well as the observing schedule(s).		
(4) Any known observing station relocation or change in the measurement technique have not significantly affected the climatological time-series data. <i>Note: Documented data homogenization for the observing station is considered compliant with criterion 4.</i>		
(5) All historic observational data and metadata have been digitally archived or will be rescued. Members shall share their plans for data rescue, if applicable.		
(6) The observing station shall be operated according to WMO observing standards according to the <i>Manual on the WMO Integrated Global Observing System</i> (WMO-No. 1160) and the <i>Guide to Instruments and Methods of Observation</i> (WMO-No. 8). <i>Note: Explanatory information SHALL be provided for those stations that do not meet current WMO observing standards.</i>		
(7) The current environment of the observing station has been classified or will be classified according to the siting classification defined in the <i>Guide to Instruments and Methods of Observation</i> (WMO-No. 8). Members shall share (i) the metadata attached to the siting classification in the appropriate WMO metadata repository (currently <i>oscar</i>) or (ii) their plans to classify the observing station, if applicable.		

Criteria	Compliance (Yes/No)	References / Remark
(8) The observed and measured data shall be subject to routine quality control procedures according to current WMO guidelines and practices. The quality control processes as well as its results shall be well documented. <i>Note: A brief description of the routine quality procedures at the observing station shall be included in the references/remarks column</i>		
(9) Members shall do their utmost to maintain nominated stations according to the above recognition criteria.		
(10) Historic observation data and metadata have been made available for scientific research, consistent with resolutions 40 and 60 ² , or will be made available. members shall share their plans for data availability, if applicable.		

² Resolution 40 (Cg-XII) – WMO Policy and Practice for the Exchange of Meteorological and Related Data and Products Including Guidelines on Relationships in Commercial Meteorological Activities; Resolution 60 (Cg-17) – WMO Policy for the International Exchange of Climate Data and Products to Support the Implementation of the GFCS