**WMO candidate centennial observing station self-assessment template**

**for hydrological observing stations**

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 -> Self-assessment templates for nomination of candidate stations ->Hydrological stations.
* Station operators are invited to consider filling the template in English language in order to accelerate the recognition assessment.
* The correctness of the information provided in the template is under the sole 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 should 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.
1. **Current HYDROLOGICAL station information**

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

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

1. **Mandatory criteria – HYDROLOGICAL stations**

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| --- | --- | --- |
| **Criteria** | **Compliance (Yes/No)** | **References / Remark** |
| 1. The observing station was founded at least 100 years ago, observing regularly (at least monthly) at least one hydrological element since then (element(s) to be listed in the References/Remark column) and is in operation as an observing station at the date of nomination.
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| 1. Periods of inactivity of the observing station shall not exceed 10 %.
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| 1. The minimum historic station metadata for the full duration of station operation shall contain actual or derived geographical coordinates including elevation, basin area, known changes of station name and/or station identifier, identified hydrological element(s) and its unit(s) as well as the measurement methods and observing schedule.
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| 1. Any known observing station relocation or change in the measurement technique have not significantly affected the hydrological time-series data.

*Notes: Documented data homogenization for the observing station is considered compliant with criterion 4. Major river modifications upstream to the hydrological observing station, which changed the drainage area of the river basin (by bringing in or diverting water courses across water divides) or major changes to water use or land use upstream to the hydrological observing station, which significantly altered the hydrological regime at the point of observation, shall be flagged to the Advisory Board and may rule out recognition as centennial observing station.* |  |  |
| 1. All historic observational data and metadata have been digitally archived or will be rescued. Members shall share their plans for data rescue, if applicable.
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| 1. The observing station shall be operated according to WMO observing standards according to the [*Manual on the WMO Integrated Global Observing System*](https://library.wmo.int/index.php?lvl=notice_display&id=19223) (WMO-No. 1160), the [*Technical Regulations Volume III Hydrology*](https://library.wmo.int/index.php?lvl=notice_display&id=10700) (WMO-No. 49), the [*Guide to Hydrological Practices*](https://library.wmo.int/index.php?lvl=notice_display&id=543) (WMO-No. 168) and the [*Manual on Stream Gauging*](https://library.wmo.int/index.php?lvl=notice_display&id=540) (WMO-No. 1044).

*Note: Explanatory information shall be provided for those stations that do not meet current WMO observing standards.* |  |  |
| 1. 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 their results shall be well documented.

*Note: A brief description of the routine quality procedures at the observing station shall be provided.* |  |  |
| 1. Members shall do their utmost to maintain nominated stations according to the above recognition criteria.
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| 1. Historic observation data and metadata have been or will be made available for scientific research, according to [Resolution 1 (Cg-Ext(2021))](https://library.wmo.int/doc_num.php?explnum_id=11113#page=9) – WMO Unified Policy for the International Exchange of Earth System Data. Members shall share their plans for data availability, if applicable.
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