

Vigyan Samachar: MoES News

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New web tool for Monitoring availability and quality of global meteorological observations

The World Meteorological Organization (WMO) and the European Center for Medium-Range Weather Forecast (ECMWF) introduced a monitor system with new web-based interfaces on 17 March 2020. The new system helps to monitor the availability and quality of global meteorological observations within the WMO Integrated Global Observation System (WIGOS).

WMO Director and the Project manager of the WIGOS Data Quality Monitoring System (WDQMS), Lard Peter Riishojgaard, said that this global integrated observing system covering weather, climate and related environmental applications, with up-to-date information about its performance is made visible to the individual operators and to the users of the data and indeed to the whole world on 24/7 basis.

A major function of the WDQMS is to compare the number of observations regularly delivered by the member states all over the world with the number of observations expected to be delivered by them. For the first time, the system is capable of collecting 6-hour quality monitoring from WIGOS monitoring centers and storing the data in the WDQMS database. The data is then collected and the statistics computed compared to the performance threshold.

The web tool has the capability to enhance their monitoring capabilities by comparing their data coverage and quality statistics with those of other numerical weather prediction centers. This enables all national meteorological services to receive real-time feedback on the availability, use and quality of their observations.

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