

Climate Data Service Portal

March 25, 2021

In news : Secretary, Ministry of Earth Science inaugurated Climate Data Services Portal of IMD on World Meteorological Day

About Climate Data Services Portal

- **Developed by:** The portal has been developed by the scientists of the National Data Centre (NDC) at the Climate Research and Services (CRS) office of IMD, Pune.
- The IMD Pune office is the sole custodian of all meteorological data of the country and is presently home to continuous observations, now available digitally, since 1900.
- Portal has over a century-old meteorological data. This data can be accessed by forecasters, researchers, students and the general public.
- It complements **fully automated climate data management process from real-time data acquisition to expeditious data dissemination**
- The Portal serves as an integrated platform to render weather and climate services of India Meteorological Department, Ministry of Earth Sciences.
- This central hub functions as a repository to acquire and disseminate the climate data of the Indian sub-continent region.
- This is enabled by automatic ingestion and first level quality control management in addition to monitoring, messaging / mailing response and acceptance.

The major components of the portal are listed below:

- Real-Time monitoring of weather observations recorded by IMD Observatories.
- Encapsulated IMD Metadata Portal, other reports and dashboards

- Online access to meteorological data through Data Supply Portal.
- Free download facility for Gridded Temperature and Rainfall Data of India.
- Climatological Tables, Extremes and Normal.
- Information on Monsoon Rainfall and Cyclone frequencies.
- Data analytics and info graphics.

World Meteorological Day

- World Meteorological Day is observed every year on March 23 to highlight the importance of the role that people and their behaviour play in protecting Earth's atmosphere.
- **The theme** of World Meteorological Day 2021 is "**The Ocean, Our Climate and Weather.**"
- This day also commemorates the establishment of the World Meteorological Organization (WMO), which is an intergovernmental body, on March 23, 1950.
- The organisation originated from the International Meteorological Organization (IMO), the idea of which is rooted in the Vienna International Meteorological Congress 1873. WMO was then established by the ratification of the WMO convention in 1950 after which the organisation became a specialised agency of the United Nations (UN) in 1951.
- The headquarters of WMO are located in Geneva, Switzerland.