



International Conference on 'Ensemble Methods in Modelling and Data Assimilation (EMMDA)'

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Why in News

An international conference on "Ensemble Methods in Modelling and Data Assimilation (EMMDA)" is being organised by the **National Centre for Medium-Range Weather Forecasting (NCMRWF)** from 24th -26th February 2020 in Noida.

- The Conference provides a platform for discussions and deliberations on the present status, future prospects and optimum use of **Ensemble Prediction System (EPS)**.
- Ensemble Prediction Systems (EPS) are **Numerical Weather Prediction (NWP)** systems that allow one to estimate the uncertainty in a weather forecast as well as the most likely outcome.
- India has recently operationally implemented two global EPS which have the highest resolution in the world and also a regional EPS of horizontal resolution 4km which covers the Indian region.
- The **Ministry of Earth Sciences (MoES)** provides weather and climate services to various users round the year and on a 24/7 basis. Both operational and research aspects for these services are implemented through its constituent units like Indian Meteorological Department (IMD), NCMRWF, Indian Institute of Tropical Meteorology (IITM), Pune and Indian National Centre for Ocean Information Services (INCOIS), Hyderabad.

National Centre for Medium-Range Weather Forecasting

- The National Centre for Medium-Range Weather Forecasting (NCMRWF) is a **centre of excellence in weather and climate modelling under the Ministry of Earth Sciences**.

- The mission of the Centre is to continuously develop advanced numerical weather prediction systems, with increased reliability and accuracy over India and neighbouring regions through research, development and demonstration of new and novel applications, maintaining the highest level of knowledge, skills and technical bases.
- It is located in **Noida, Uttar Pradesh.**

Source: PIB