



KAMARAJ IAS ACADEMY
Only IAS Academy by Grandson of "Perunthalsivam Kamarajar"

Mission Mausam

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Why in news?

The Union Cabinet approved “**Mission Mausam**” to enhance *India’s ability to predict and respond to extreme weather events* and the impacts of climate change.

About:

‘**Mission Mausam**’ is designed with an **outlay of Rs.2,000 crore** over **two years**.

To be chiefly implemented by the **Ministry of Earth Sciences**.

It is envisaged to be a *multi-faceted and transformative initiative* to tremendously **boost India's weather and climate-related science, research, and services**.

It will help to better **equip stakeholders, including citizens and last-mile users, in tackling extreme weather events** and the impacts of climate change.

The ambitious program *will help broaden capacity and resilience across communities, sectors, and ecosystems in the long run*.

The mission's focus will include **improving observations and understanding for providing highly accurate and timely weather and climate information** across temporal and spatial scales, including :

§ *monsoon forecasts,*

§ *alerts for air quality,*

§ *extreme weather events and cyclones,*

§ *weather interventions for managing fog, hail, and rain, etc.,*

§ *capacity building and generating awareness.*

Critical elements of Mission Mausam will include:

1 *The deployment of next-generation radars and satellite systems with advanced sensors and high-performance supercomputers,*

2 *The development of improved Earth system models and a GIS-based automated Decision Support System for real-time data dissemination.*

Three institutes of the Ministry of Earth Sciences:

Kamaraj IAS Academy

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1The India Meteorological Department,

2The Indian Institute of Tropical Meteorology, and

3The National Centre for Medium-RangeWeather Forecasting

will *primarily implement Mission Mausam*.

These institutions willbe supported by other MoES institutions (*Indian National Centre for Ocean Information Services, National Centre for Polar and Ocean Research, and National Institute of OceanTechnology*), along with collaborating national and international Institutes, Academiaand Industries, furthering India's leadership in weather and climate sciences andservices.