

IMD HAS DEVELOPS MHEW-DSS

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India Meteorological Department (IMD) has indigenously developed a Multi-Hazard Early Warning Decision Support System (MHEW-DSS) which is a digital platform that automates the decision making on critical weather forecasting processes and forecast and warning services to public, Government and non- government agencies as well as specific stakeholders.

Further it integrates real-time data from satellites, radars, and ground and upper air based sensors into a centralized GIS enabled platform, replacing outdated manual workflows.

Similarly it has capability to develop and issue impact based forecast and risk-based warning for all severe weather hazards.

It also includes a public platform named Mausamgram (<https://mausamgram.imd.gov.in/>) which provides hyper local weather forecasts by entering the name of the place or Pincode of the place with the ambition of Har Har Mausam, Har Ghar Mausam (weather information to each house at any time).

Further there are specialized modules available in IMD website (<https://imdgeospatial.imd.gov.in>) for various services as listed above.

The developed DSS empowers sectors like agriculture, aviation, marine, power, surface transport and above all disaster risk reduction.

IMD received National Award for e-Governance 2025 for its project, 'Multi Hazard Early Warning Decision Support System'. For more about the project a brief document of MHEW-DSS is provided at (<https://www.youtube.com/watch?v=16fa8svv4Vo>) for easy understanding about the MHEW-DSS and its utility.

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