

Indian Institute of Tropical Meteorology (IITM)

Press Release

AI and Climate

IITM signs collaboration with CMCC (Italy) to advance climate modeling and research using AI/ML



Highlights:

- MoU Signed between IITM, Pune and CMCC, Italy to Advance AI-Driven Climate and Weather Research
- Interdisciplinary collaboration between the two nations to enhance predictive capabilities and accelerate AI-driven advancements in climate science.
- MoU was formally executed on 23rd January 2026 by Director, IITM, Pune, India and President, CMCC, Italy.
- MoU is w.e.f. 23rd January 2026 for five years.
- This MoU is the outcome of the international workshop on “Machine Learning Applications in Climate and Ocean Science,”, 11–12 February 2025 at IITM Pune

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23.1.2026; IITM Pune: The Indian Institute of Tropical Meteorology (IITM), Ministry of Earth Sciences, Government of India, and the Euro-Mediterranean Center on Climate Change (CMCC), Italy, have signed a Memorandum of Understanding (MoU) to strengthen collaborative research in climate modeling, weather prediction, and ocean science using Artificial Intelligence (AI) and Machine Learning (ML).

The MoU follows the successful international workshop on “Machine Learning Applications in Climate and Ocean Science,” held in Pune from 11–12 February 2025. The workshop brought together leading scientists from Italy and India to explore next-generation AI and ML applications in meteorology, oceanography, and climate research. The event served as a milestone in fostering interdisciplinary collaboration between the two nations to enhance predictive capabilities and accelerate AI-driven advancements in climate science.

(To know more about the international workshop: Read Press Release [India-Italy-Workshop-11-12Feb2025.pdf](#))

The MoU aims to formally establish a collaborative framework between IITM and CMCC, enabling joint research initiatives, knowledge exchange, and scientific cooperation at the highest international standards. The partnership is designed as a non-financial, expertise-driven collaboration that encourages independent, interest-based research from both institutions.

The agreement was formally executed on 23rd January 2026 by Dr. Suryachandra A. Rao, Director, IITM and Prof. Antonio Navarra, President, CMCC, Italy. The MoU will remain in force for five years from the date of signing.

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