

National Mission for Strategic Knowledge on Climate Change

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Source: PIB & Ministry of Science & Technology

National Mission for Strategic Knowledge on Climate Change is one of the eight missions under the National Action Plan on Climate Change. The Mission Aims to create a comprehensive knowledge system that informs and supports climate change action in India with the help of research and communication-based actions.

Objectives of the mission

- Formation of knowledge networks among the existing knowledge institutions engaged in research and development relating to climate science and facilitate data sharing and exchange through a suitable policy framework and institutional support
- Establishment of global technology watch groups with institutional capacities to carry out research on risk minimized technology selection for developmental choices
- Development of national capacity for modeling the regional impact of climate change on different ecological zones within the country for different seasons and living standards
- Establishing research networks and encouraging research in the areas of climate change impacts on important socio-economic sectors like agriculture, health, natural ecosystem, bio-diversity, coastal zones, etc.
- Generation and development of the conceptual and knowledge basis for defining the sustainability of

development pathways in the light of responsible climate change-related actions

- Providing an improved understanding and awareness of the key climate processes and the resultant climate risks and associated consequences
- Complementing the efforts under the other national missions, strengthen indigenous capacity for the development of appropriate technologies for responding to climate change through adaptation and mitigation and promote their utilization by the Government and societies for sustainable growth of economies
- Creating institutional capacity for research infrastructure including access to relevant data sets, computing and communication facilities, and awareness to improve the quality and sector-specific scenarios of climate change over the Indian subcontinent.
- Ensuring the flow and generation of human resources through a variety of measures including incentives to attract young scientists to climate science
- Building alliances and partnerships through global collaboration in research & technology development on climate change under International and bilateral S&T cooperation arrangements