



## **Recommendations**

### **1. Capacity Building and Awareness Program**

- a. Introduce “Climate Variability and Change” in school level curriculum: Science, Impact, Adaptation and Mitigation [Action: IMS, State Education Department]
- b. Development of theme-based short term training program on Climate Change for undergraduate and post-graduate level like 2-3 weeks SERB Schools [Action: IMS, CAOS, IITs, Universities/Institutions]
- c. Set up inter-disciplinary academic centers on Climate Change and sustainable development [Action: IMS, DST, MoES, MoEFCC]
- d. Short term facilitation programs for Administrators, Managers, NGOs, Media persons etc. on Climate Change issues [Action: IMS, NGOs, Institutions]
- e. Orientation program for Parliamentarians, legislators and peoples’ representatives [Action: IMS, NGOs, Institutions]
- f. Public awareness on Climate Change issues through articles in regional language magazines, newspapers and Mass Media with examples/illustrations [Action: IMS, NGOs, Institutions]
- g. Contribution of materials on Climate Change issues for “Exhibition on Wheels/Science Centers” for public awareness [Action: IMS, NGOs, NCSM]
- h. The present ‘Environmental Science/Studies’ paper taught in graduation level should provide thrust on Climate Change issues [Action: IMS, Universities, Educational Institutions, UGC, AICTE, MHRD]

### **2. Impact Analysis and Vulnerability Assessments in the sectors such as Water Resource, Farming (Agriculture), Health, Infrastructure and Ecosystem, with special reference to Coastal Regions** [Action: IMS, MoES, MoEFCC, ISRO, DST, SERB, R&D and Academic Institutions]

- a. Statistical downscaling of CORDEX data to District level
- b. Performance evaluation, degree of reliability and uncertainty (Coastal regions) in CORDEX products
- c. CORDEX-user workshop by IITM, MoES

**NATIONAL SYMPOSIUM ON TROPICAL METEOROLOGY:  
CLIMATE CHANGE AND COASTAL VULNERABILITY**

Venue: S O A University, Bhubaneswar, Odisha, India  
Date: 18<sup>th</sup> to 21<sup>st</sup> December 2016

**TROPMET 2016**  
Organized By



- d. Collection, quality control, consistency and reliability test of Data on various sectors strongly influenced by Climate Change
- e. Micro-zonation on physical, social and economic Vulnerability/Risk
- f. Developing risk indices and vulnerability maps for the use by Administrators , Managers, NGOs, Stake-holders and public at large

**3. Development of a Research project on Climate Change and Coastal Vulnerability:**

[Action: IMS, MoES, MoEFCC, ISRO, DST, SERB, R&D and Academic Institutions]

- a. A Pilot site along Odisha coast to study the impact and assessment of Climate Change on various sectors such as Water resources, Farming, Health, Infrastructure and Ecosystem
- b. Multi-disciplinary research team may be involved in developing and implementing adaptation and mitigation strategies for sustainable coastal zone.
- c. Similar projects may be undertaken in other coastal regions

**4. Proceedings of the symposium will be published after proper review process [Action: IMS]**