

# Climate Change Programme (CCP) of DST

*Major Initiatives for providing  
support to R&D Projects*

# Eight National Missions

- National Solar Mission
- National Mission for Enhanced Energy Efficiency
- National Mission on Sustainable Habitat
- National Water Mission
- National Mission for Sustaining the Himalayan Eco-system
- National Mission for a Green India
- National Mission for Sustainable Agriculture
- National Mission on Strategic Knowledge for Climate Change

**Launch of CCP-DST Programme on  
“Building Human and institutional  
capacities”**

# Human and institutional capacities in the thrust areas of climate change research

- Support under following broad categories of programmes which must be built around an existing lead institution/ organization/ agency working in the country-
  - a. Creation of **NEW CENTRES OF EXCELLENCE** on Climate Change (in network or full-fledged mode)
  - b. **STRENGTHENING OF EXISTING INSTITUTIONS** through major R&D projects in specific area of climate change
  - c. Major **HUMAN CAPACITY BUILDING PROGRAMME** in climate change

# Broad areas of research in climate change

- Climate Change Science including Modelling
- Climate Change Adaptation
- Climate Change Mitigation
- Climate Change Impact on
  - Water Resources
  - Glaciers
  - Biodiversity
  - Agriculture
  - Ocean and Marine Ecosystem
  - Coastal and Island Vulnerability Including Sea Level Rise
  - Social-Economic Vulnerability and Livelihood
  - Himalayan Ecosystem
  - Human Health
- Green Technologies
- New and Renewable Energy Options
- Outreach/ Public Awareness on Climate Change related aspects
- Any other relevant area related to Climate Change

# Procedure followed for inviting the proposals

- To bring objectivity and transparency in the selection process, **SCOPUS DATA** have been used to identify top 30 institutions in the country which are working on climate and climate change related aspects
- They were invited to submit the proposal under broad categories defined in previous slides
- 29 proposals from 21 institutions were received

# Steps followed in the Processing of Project Proposals

<b>STEP-I</b>	<b>PEER REVIEW</b> by nationally/ internationally known experts
<b>STEP-II</b>	Assessment by a <b>REVIEWER'S PANEL</b>
<b>STEP-III</b>	Presentation by PIs, Review and Recommendation by the <b>EXPERT COMMITTEE</b>
<b>STEP-IV</b>	Overall Assessment and Recommendation by <b>STEERING COMMITTEE</b>

## Projects Supported under CCP/DST so far

- Out of 29 Project Proposals received, 11 Projects are provided support
- Out of 11, 2 Projects are launched as Centres of Excellence.
- Remaining 9 will be scaled up after review at the end of 2<sup>nd</sup> year



# Projects Recommended for support by EC

1	<b>NIO</b> (Sea Level Rise)	6	<b>IIT, Delhi</b> (Regional Climate Modeling)
2	<b>NBRI</b> (Forest Ecosystem)	7	<b>BSIP</b> (Quaternary CC for Glaciers)
3	<b>DU</b> (CC Adaptation and Resource Management)	8	<b>IRMA, Anand</b> (Sustainable Livelihoods)
4	<b>IARI</b> (CC and Agriculture)	9	<b>TNAU, Coimbatore</b> (CC Adaptation in Agri.)
5	<b>NIO</b> (Ocean acidification)		

# Projects Recommended for support by Steering Committee

1	<b>IIT, Bombay</b>	A Centre of Excellence on Climate Change (Climate Change Studies Centre)
2	<b>ICRISAT, Hyderabad</b>	Centre of Excellence on CC Research for Plant Protection

# **NMSKCC: Major Initiatives in the Pipeline**

- Launch of **Second Phase** of Programme on “ Building Human and Institutional Capacities”
- Creating **Suitable Framework** for
  - Public-Private-Partnerships
  - Technology Watch Groups
  - Professor Chairs
  - Training of Research Professionals
  - International Cooperation

# NMSHE: Major Initiatives in the Pipeline

- Creation of new and strengthening of existing Knowledge institutions
- Human Capacity Building  
Programme: (e.g;. Indo-Swiss joint Programme on Glaciology)
- Collation and Compilation of Traditional Knowledge
- Annual reports on Eco system health Status

# Some Encouraging Developments

- National Data Sharing and Access Policy (NDSAP)
- Preparation for Establishment of a National Centre for Himalayan Glaciology, Mussoorie
- Bi-lateral Cooperation with a few countries (Norway, Switzerland, UK, etc) on Capacity Building in Glaciology
- Regional Cooperation Framework on Himalayan Ecosystem (Collaboration with ICIMOD)
- Identification of R&D Institutions in the Himalayan Region

# Forthcoming Consultations for Formulating Major R&D Projects

- **Brainstorming Meeting** with PIs to explore possibility of setting up a few “Network R&D Projects” on 12 Nov., 2011 at JNU.
- **Meeting on PPP** with Industries: December, 2011
- Meeting for setting up of **Technology Watch Groups**

# Forthcoming Consultations with Stakeholders of NMSHE and NMSKCC

- **State-level Consultations** on **NMSHE** to begin by mid Nov.2011 [Regional level consultation followed by state-centric discussions]
- **National Stakeholder Meeting** on **NMSKCC** in mid-January,2012 at JNU
- **National Stakeholder Meeting** on **NMSHE** in Mid-March,2012

**Thank You**