Mainstreaming Climate Change Across Sectoral Domains through the Community of Practice on Climate Change (Cop-CC)

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Kerala State Level Action Plan on Climate Change

- Identified 127 key priority activities of adaptation/mitigation options under nine sectors
  1. Agriculture
  2. Animal Husbandry
  3. Fisheries and Eco system
  4. Forestry and Biodiversity
  5. Water Resources
  6. Human Health
  7. Energy
  8. Urban Front and Transport
  9. Tourism

- Budgetary estimation: INR is 1170.4 Crore for a five-year period

Board strategies to address climate change in Kerala
- Sustainable Management Activities
- Promote Research and Development Activities
- Policy Reforms
- Capacity Building and Strengthening
Key Policies and Institutionalisation

- State Level Steering Committee;
- Bring climate perspective in state budget and planning;
- Access to climate finance;
- Local Action Plan on Climate Change for Local Self Governments;
- District Plan;
- Climate Change Cell;
- Climate Change Cell Focal Team Members;
- Climate resilient health sector;
- Coastal vulnerability assessment;
- Capacity Building
Why Community of Practice on CC?

- Multiple climate risks and its impacts across sectors
- Need for cross-sector coordination, convergence and knowledge networking
- Time and cost effective mechanism to continuously engage
- Peer learning through sharing and discussing information's
Conceptualizing CoP

- Improved capacities of departments / agencies for planning better adaptation initiatives
- Need to translate and assimilate knowledge to initiate effective actions on climate change.
- Develop an appropriate capacity building strategy that capitalizes on the skills, resources and knowledge capital of the state, with an aim to improving responses to climate change
- Opportunity to capitalize on this ecosystem to address the climate action strategies
- Based on C4P framework
Structure of CoP-CC

CoP-CC Initiated

Priorities for CoP-CC identified in consultation with DoECC and Line Departments

Moderator supported by CCIP

CCC Focal Team Members

FTMs participate in the Discussion

Time-sensitive responses to individual CCCFTMs

Panel of external experts provide knowledge support

DISCUSSION FORUM

Response time

FTMs participate in the Discussion

Time-sensitive responses to Dept. requests

Department/Legislative Q&A

MODERATOR documents and consolidate DISCUSSION SUMMARY with additional inputs from expert in pre-designed templates

1-week timeline

Outcome - Capacity building and building a resource pool of climate champions within the government system; Individual and organisation development, interdisciplinary convergences

Outputs - Knowledge Products
## C4P framework CoP-CC

<table>
<thead>
<tr>
<th>DIMENSION</th>
<th>FUNCTIONS</th>
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<tbody>
<tr>
<td>CONTENT</td>
<td>Related queries, practices, methods, approaches and frameworks</td>
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<td></td>
<td>Peer-reviewed papers and</td>
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<td>Knowledge products</td>
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<tr>
<td>CONVERSATION</td>
<td>Face to Face or online discussion</td>
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<tr>
<td>CONNECTIONS</td>
<td>Co-create knowledge products including strategies, frameworks</td>
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<td>and approaches through new connections developed.</td>
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<td>CONTEXT</td>
<td>Helps in understanding the nuances of sector/domain level</td>
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<td>constraints and opportunities. Facilitates collaboration,</td>
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<td>debottlenecking.</td>
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<td>PURPOSE</td>
<td>Defined by department or state-level priorities in climate change</td>
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Objectives of CoP-CC

- Shaping Governments response to climate change in multiple sectors
- Aid the development of knowledge frameworks, sensitise on climate finances, approaches and methodologies in climate adaptation
- Enable sharing of best practices, lessons learned, guidelines, approaches, methods, tools and innovations to conceive, drive and mainstream climate actions in BAU scenarios
- Cultivate climate champions in the system who will catalyse planning, budgeting and implementation of climate actions
- Better inter-agency coordination of climate actions
CoP enabled more effective mainstreaming of climate change across sectors

- **Virtually-located**
  Blending technology to make the CoP time and cost effective in peer-to-peer coordination

- **Technology-centric**
  Uses email and social media to provide a shared repository of information

- **Knowledge-based**
  A peer network of CCCFT members from government departments whose interaction will co-create knowledge and good practices

- **Role-based**
  It is not position or person centric but rather more of a open and intellectual forum
## Benefits

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<th>LEVEL</th>
<th>BENEFITS</th>
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<tr>
<td><strong>INDIVIDUAL</strong></td>
<td>Provide access to new knowledge</td>
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<td>Add value to professional profiles</td>
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<td>Nurtures interdisciplinary perspectives for trouble shooting and change management skills</td>
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<tr>
<td><strong>ORGANIZATIONAL</strong></td>
<td>Generate knowledge and encourage skill development</td>
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<td>Facilitate rapid responses to service needs and problems of citizens</td>
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<td>Disseminate valuable information and transfer best practice</td>
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<td>Capacity building and mentoring climate leaders</td>
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Key Challenges in rolling out the CoP

- Coordination
- Use of new platform
- Getting used to technology
- Maintain code of conduct
- Lack of documentation
- Attitudinal change
Ensuring Sustainability

- Regular updation on discussion topics
- Mutual technical support
- Forum for multi sectoral discussions and sharing of topics
- Migrating to new platforms with more participation
- Bringing in climate perspective in their day to day work
- Offering peer popularity through publications
- Bringing in experts
Questions to audience

• Q1- What similar institutional mechanisms exist in other countries or provinces that play a similar role? (Their, roles, functions, challenges and successes)

• Q2- Do you have suggestions on how to ensure the further horizontal integration of this CoP into sectoral domains?
Thank you
Talking points

- Key policies and institutions in place for mainstreaming of climate change in sectoral domains
- Reason for the formation of the Community of Practice
- Objectives of the CoP.
- Highlights, achievements or signs that this CoP has enabled the more effective mainstreaming of climate change across sectors.
- Key challenges that faced in enabling this cross sectoral mechanism and
- Ways in which the sustainability of this institution are being ensured
Kerala Macro Profile

- Geographical area : 38,863 Sq Km
- Soil types :10 -derived from the laterite base
- Agro climatic zones: 12
- River basins: 44
- Sub basins : 1750
- Mini watersheds: 4452
- Only about 37% of the area is suitable for irrigation
- Forest occupies around 28%
- Western Ghats boarder the state
- Agriculture and forest sectors together - over 84 % of the land area
- Revenue districts: 14
- >47% of state population in Urban area
Probable impacts of climate change in Kerala

• Higher temperature, rates of evaporation and transpiration
• Location-specific higher/ lower precipitation and shifting pattern of monsoon
• Increased surface runoff during monsoon causing floods and decreased summer flow
• Soil erosion leading to degradation of soils, siltation of water bodies and canals, and reduction in capacity and reservoirs
• Higher rates of soil moisture depletion and faster drier up of soil
• Higher rates of groundwater depletion, and declining water table
• Drying up / shrinking of ponds, tanks, lakes, wells etc.
• Increased incidence of droughts, floods and landslide
• Sea level rise in the low lying areas along the coastal areas of the state.
• Change in sea waves and tidal inundation
• Salinity intrusion/ ingress into surface and groundwater in coastal areas
• Coastal erosion
• Changes of virulence and disease pattern especially vector borne and water borne diseases.
• Increase energy demands and subsequent impacts on climate sensitive infrastructure.
Capacity Building of Climate Change Cell Focal Team Member

- Trainings
- Orientations
- Sensitization
- Seminars
- Workshops
- Meetings
- WhatsApp
- Community of Practice