



TERI-APN's Capacity building program on urban climate change resilience in India

About this program

- ❑ **Supported by Asia-Pacific Network for Global Change Research (APN)**
 - ❑ APN is a network of 22 Member Country governments, including India, which promotes global change research in the region through science-based adaptation strategies, effective science and policy linkages, and capacity development.
 - ❑ The CAPaBLE programme focuses on enhancing scientific capacity in developing countries to improve decision-making in focus areas of global change and sustainable development

Objective of this program


- To sensitise the stakeholders on the impacts of climate change on cities and the need for urban climate resilience planning

Who were the stakeholders?

- Elected representatives
- Policy-makers
- City officials and Practitioners
- Students and Researchers



Larger objectives of the training programme

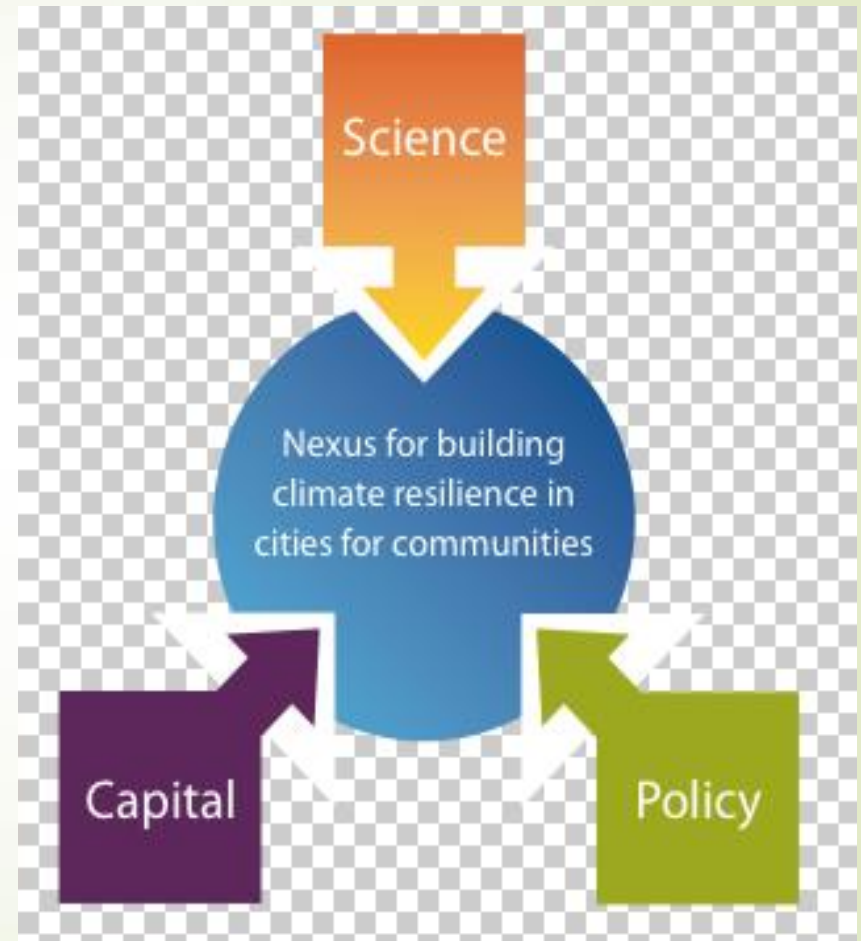
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- Capacity building of key officials on the concept of urban climate change resilience
 - Facilitation of dialogue to discuss opportunities in mainstreaming urban climate resilience agenda into planning
 - Identification of challenges that the city officials face while addressing climate change issues

What is Urban Climate Resilience?

- Prepare the cities to withstand climate change related gradual impacts like change in precipitation, temperature and sea level rise
- Equip the city equally to respond to disasters and extreme events
- Drive the city towards sustainable development encompassing environmental benefits

Why is capacity building needed?

- Lack of knowledge about climate change and measures to address them
- Strong need to equip the planning mechanisms in urban areas to withstand, adapt, and become resilient to climate change impacts
- Need to share this knowledge with urban managers and decision-makers to base their decisions



Format of capacity building program

**Elected
Representatives**

- Orientation workshop (one day)

**City officials
and
practitioners**


- Elaborative training workshop (1.5 day long)

Certificates were awarded to participants upon successful completion of the program



Training program contents



- Impact of climate change on cities
 - Climate modelling and its application in cities
 - Risk and vulnerability assessment
 - GIS techniques for climate proofing the cities
 - Policy measures for mainstreaming urban climate change resilience
 - Financing mechanisms for implementing urban resilience
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Additional focus areas or guest lectures

Odisha

- * Disaster risk reduction in urban areas
- * Integrating climate resilience into green building initiatives
- * Inventorisation of urban infrastructure assets in coastal cities

Goa

- * Conservation of ecological heritage- Sand dune restoration

Maharashtra

- * Climate resilience in building design

Uttarakhand

- * Disaster management

Student seminar

- * Role of communicating climate change
- * Integrating DRR into the resilience framework

Pedagogy

- Lectures
- Video screening
- Interactive sessions
- Group exercises



FEEDBACK & EXPERIENCE

LANGUAGE



AUDIENCE/PARTICIPANTS

Separate programs for elected representatives and city officials a good approach



Dedicated day for interaction and collective learning between elected representatives and city officials



DURATION

Focused group-technical and longer duration



Mixed group- broader issues and short duration



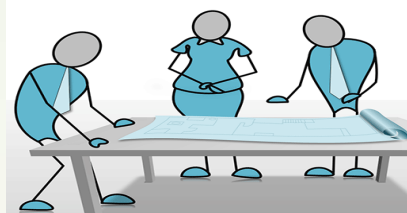
SUSTAINABILITY & REGULARITY



Regular training programs for city officials on various topics

CONTENT

- Sector specific solutions along with problems, risks and vulnerability.
- Direct examples from day to day functioning as climate change and resilience not directly linked to their daily functions.



- Avenues for more interaction of participants and discuss their roles in projects



- How to streamline their roles towards building climate resilience.
- How to bring projects that focus on building climate resilience??
- What should each department specifically do to build climate change resilience.

- New things which adds value to their functions.
- Practical and ground level implementable solutions-STPs, Biogas, Rainwater Harvesting
- Site visits and demonstrations.

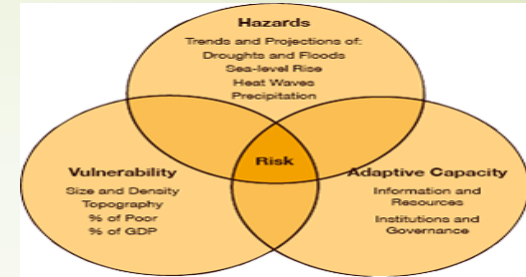


- Open to different planning department head of local bodies- Executive Engineers, Asst Engineers, Block level officers etc.
- Dedicated programs for targeted group of officials.



Students' Seminar-Feedback

- Longer duration with more technical subjects and demonstration projects
- Climate resilience and associated technical modules to be mainstreamed into their course curriculum
- Hands on training of different software and tools in the knowledge domain e.g. GIS





Next Steps

- Collaborating with more State ATIs to conduct similar training programs
- Preparing and converting these training program contents into an e-learning program
- Continuing and upscaling the seminar for students



Thank you