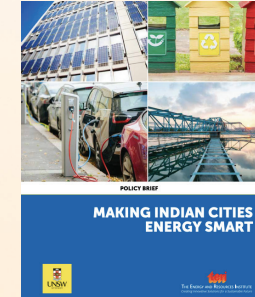- Tech Camp with the US Department of State and UN Habitat to strengthen the capacity of India and Afghanistan in addressing their urban challenges and preparing for the future with entrepreneurial and problem-solving skills.
- Regional Policy Dialogues in association with the Royal Embassy of Denmark in India and the IUC/Global Compact of Mayors, South Asia, on making liveable cities
- Global presence at Habitat III, Quito, and World Urban Forum (WUF), Kuala Lumpur, to align with and facilitate implementation of SDG 11 for cities and New Urban Agenda

Towards a Policy for Climate Resilient Infrastructure and Services in Coastal Cities
The policy brief brings out a discussion on the policy and regulatory requirement to foster climate resilient infrastructure and services planning, particularly for coastal cities in India.

MAKING INDIAN CITIES ENERGY SMART

Knowledge Creation and Dissemination

We conduct training programmes and workshops on urban policy and governance, climate resilience, and urban infrastructure and services for engaging diverse stakeholders such as elected representatives, administrative officers, research professionals, academia and students.

POLICY BRIEFS AND WORKING PAPERS:

Mainstreaming Urban Resilience: Lessons from Indian Cities
The policy brief document launched by TERI and NIUA at the World Urban Forum 10 focusses on mainstreaming urban resilience in policy and planning, data-driven decision-making, strengthening capacities, and building partnerships for enabling development of resilient cities.

Making Liveable Cities: Challenges and Way Forward for India
This policy brief documents key recommendations on urban planning frameworks, strengthening local urban governance, financing and implementation mechanisms, urban innovation, and strengthening partnerships.

Making Indian Cities Energy Smart
Smart Energy Management (SEM) in different sectors and strategies to interlink these sectors in order to achieve integrated SEM in Indian cities.

State level Engagement for Mainstreaming Urban Climate Resilience – Goa and Uttarakhand
The working paper and the policy briefs outline the emerging opportunities to foster climate-resilient development and provides recommendation for the formulation of a specific new policy pertaining to urban climate resilience.

KEY RECOGNITIONS

National

- Centre of Excellence in Urban Development, Ministry of Urban Development, Government of India
- Empanelled Consulting Firm for Smart City Mission and Empanelled Training Agency for AMRUT, Government of India
- Member of Advisory Committee for National Mission on Sustainable Habitat (NMSH), Government of India
- Sustainability Partner to new capital township of Amaravati, Andhra Pradesh with Andhra Pradesh Capital Region Development Authority (APCRDA)
- Expert Member of the study group on Environment for National Capital Region Planning Board (NCRPB)

International

- Member of Advisory Committee for Global Covenant of Mayors , South Asia, funded by European Union
- Anchor Institute for Asia Hub of Global Energy Network for the Urban Settlements (GENUS), a UN-Habitat facilitated network
- Centre of Excellence for Global Network on Energy for Sustainable Development (GNESD), a United Nations Environment Programme (UNEP) facilitated knowledge network
- Member of Working Group in Asia Pacific Ministerial Conference on Housing & Urban Development (APMCHUD) for disaster resilience and climate change
- National Partner to the Asian Cities Climate Change Resilience Network (ACCCRN)
- Member of Global Resilience Research Network (GRRN), pioneered by Global Resilience Institute (GRI), Northeastern University, Boston, MA

Centre for Urban Planning and Governance

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KEY PARTNERS AND CLIENTELE

- Ministry of Housing and Urban Affairs (MoHUA), Government of India
- National Institute of Urban Affairs (NIUA)
- State Governments - Goa, Uttarakhand, Himachal Pradesh, Andhra Pradesh, Odisha, Maharashtra
- The Rockefeller Foundation
- United States Agency for International Development (USAID)
- U.S. Department of State
- Asia-Pacific Network for Global Change Research (APN)

- The Royal Embassy of Denmark
- International Urban and Regional Cooperation (IURC)
- Asian Development Bank (ADB)
- International Institute for Environment and Development (IIED)
- City Development Initiative for Asia (CDIA)
- Global Network on Energy for Sustainable Development (GNESD)

ABOUT US

The Energy and Resources Institute (TERI) is a not-for-profit research organization working in India and globally in the fields of energy, environment and sustainable development.
The Centre for Sustainable Mobility (CSM) at TERI carries out research to **help create sustainable, resilient, and 'smarter' cities.** With the emphasis on cities globally, the Centre conducts **urban policy analysis, sustainable urban planning, capacity building, and knowledge creation.** Since its inception, the Centre has been providing technical support and advisory to multiple cities across the country in planning for sustainable and smart urban development, including preparation of Smart City Proposals. We have also been conducting modelling and geo-spatial assessments on energy-environment related aspects and exploring climate change implications vis-à-vis urban growth and associated demands and challenges in India. We have a multidisciplinary team of research professionals trained in **urban planning, infrastructure & transport planning, environment planning, environment studies & resource management, economics, and architecture.**

Urban Climate Resilience
- Risk & vulnerability assessments
- Climate resilience strategies
- Policy research on mainstreaming climate resilience
- Capacity building

Liveable Cities
- Environmental sustainability and enhancing quality of life
- Mainstreaming policy & governance frameworks
- Capacity building for Smart Cities Mission & AMRUT

OUR SERVICES

Our work in the urban development sector can be broadly classified into the following categories:

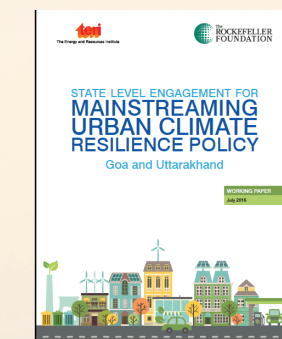**Research and Policy Analysis** for improved and informed policy making.

Strategic Planning to help Urban Local Bodies (ULBs) in developing liveable cities that are sustainable, smart and climate resilient.

Capacity Building and Stakeholder Engagement to enhance capability of various stakeholders to address urban issues.

Knowledge Creation and Dissemination to bridge existing knowledge gap and facilitate exchange of ideas.

Research and Policy Analysis

Through research and policy analysis, we target to inform policy, regulations and institutional mechanisms to foster sustainable urban development.

Urban Living Lab on Sustainable and Smart Cities in India
TERI, with support from the Royal Danish Embassy (RDE), established India's first Urban Living Lab (ULL) in Panaji, Goa. The objective was to develop and integrate global and local sustainable solutions that would enable the smooth implementation of the Smart Cities Mission by the Ministry of Housing and Urban Affairs (MoHUA), Government of India.

Knowledge Partner for Urban Living Lab in Indian Cities
The purpose of TERI as Knowledge Partner was to provide knowledge inputs on the Strategic and Policy directions for Urban Living Labs as well as the overall urbanization and government implementation mechanisms for sustainable and smart cities.

State-level Engagement for Mainstreaming Urban Climate Resilience
TERI conducted a state-level engagement and policy research programme in Goa and Uttarakhand with support from the Rockefeller Foundation under its Asian Cities Climate Change Resilience Network (ACCCRN) initiative. The objective was to facilitate a dialogue among state governments regarding urban climate resilience in cities and formulate a policy roadmap to achieve the same.

E-Certificate Course on Mainstreaming Urban Climate Action
TERI in collaboration with the European Union, International Urban and Regional Cooperation (IURC) developed an e-course on 'Mainstreaming Urban Climate Action''. The self-paced course aims towards institutionalization of information, knowledge and tools on urban climate action.

Climate Resilient Infrastructure and Services
As part of United States Agency for International Development's (USAID) Climate Change Resilient Development Programme, the study focused on addressing the impact of sea level rise on infrastructure and services in two Indian cities – Panaji and Vishakhapatnam. It involved development and demonstration of an urban infrastructure inventory to support climate resilience planning efforts of coastal cities.

Strategic Planning

We provide cities with technical and capacity building assistance for developing sustainable, smart and resilient cities.

City Resilience Strategy for Telangana ULBs
TERI conducted an advanced climate risk and vulnerability assessment of Telangana ULBs, resulting in identification of entry points for new climate resilient practices and strategic recommendations to strengthen the urban infrastructure.

Consultancy Services for Technical Assistance Under the CITIIS
In consortium with E&Y, TERI is providing transversal expertise to the 'City Investment to Innovate, Integrate and Sustain (CITIIS)' project developed by the Smart Cities Mission, MoHUA. High level expertise will be given to support smart city SPV on sectoral and cross-cutting topics, such as urban resilience, biodiversity, climate change, gender mainstreaming, etc.

Smart City Proposal for Dharamshala
TERI provided technical assistance to Dharamshala Municipal Corporation in preparation of its Smart City Proposal (SCP) to participate in the Smart Cities challenge of the Government of India. Dharamshala was successfully selected in Fast Track Challenge of the Smart Cities Mission for implementation of the SCP and was granted funding from the Government of India.

Capacity Building and Stakeholder Engagement

We conduct training programmes and workshops on urban policy and governance, climate resilience, and urban infrastructure and services for engaging diverse stakeholders such as elected representatives, administrative officers, research professionals, academia and students.

Capacity-Building Programmes

- Webinar series on 'Mainstreaming Urban Climate Action' in collaboration with the EU IURC, focussed on building the capacity and knowledge of urban practitioners to address climate change impacts in cities.
- Capacity building session on how cities can embed resilience within their urban planning as part of NIUA's Urban Thinker's Campus
- Australia-India Knowledge Exchange workshop to address the urban challenges and discuss inputs to policies on smart energy management for Indian cities.
- Training programmes in 4 states of India on urban climate resilience supported by Asia-Pacific Network for Global Change Research (APN)