

Symposium on

India's Low-carbon Future: National, Subnational and Sectoral Roadmaps

14 February 2025 | 10:00 AM - 5:00 PM | Bangalore International Centre, Bengaluru



Background Note:

India is at a pivotal moment in its climate action journey. The imminent update to its Nationally Determined Contributions (NDCs) in 2025, coupled with the implementation of roadmaps across key sectors outlined in the Long-Term Low Emission Development Strategy (LT-LEDS), underscores the need for robust and inclusive modelling frameworks. This symposium aims to bring together leading experts to discuss the state of modelling approaches, identify critical gaps, and chart pathways for collaboration to strengthen India's climate resilience and ambition.

India's update to the Nationally Determined Contributions (NDCs) in 2025 and its Long-Term Low Emission Development Strategy (LT-LEDS) must lay out robust, scalable, and inclusive modelling approaches to align climate action with developmental goals. This symposium provides a platform for experts, modellers, and researchers to:

- **Review** current modelling practices in India and globally.
- **Identify** key gaps in modelling across global, subnational, and sectoral levels.
- **Collaborate** on pathways to advance modelling practices and tools to address India's unique challenges.

The discussions aim to enhance India's preparedness for its NDC update and accelerate the implementation of sectoral roadmaps for energy, transport, industry, and land use.

Agenda:

Date: 14/02/2025

Venue: Library, Bangalore International Centre, Bengaluru

10:00 AM – 10:30 AM

Inaugural Session

- **Welcome Address:**
 - **Ulka Kelkar**, Executive Director, Climate Economics and Finance Program, WRI India
 - **Jai Asundi**, Executive Director, CSTEP
 - **Keynote Address:**
 - **Prof. M.V. Rajeev Gowda**, Ex-Member of Parliament, Rajya Sabha
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10:30 AM – 12:30 PM

Session 1: Current Approaches in Modelling

Objective: Highlight ongoing modelling practices and their contributions to India's climate goals.

- **Speakers:**
 - **Pim Vercoulen, Managing Economist, Cambridge Econometrics:** How can Global modelling approaches like E3ME-FTT lay out context for climate action?
 - **Dr. Amir Akther, Research Fellow, University of Exeter:** How can Global modelling approaches like E3ME-FTT lay out context for climate action?
 - **Aparna Sundaresan, Senior Analyst, CSTEP and Krithika Ravishankar, Senior Analyst, CSTEP:** Modelling India's Sustainable Future: Energy & Economy
 - **Arpan Golechha, Program Manager, WRI India:** Economy-wide Modelling for India's low-carbon development pathways
 - **Dr. Shashi Jain, Associate Professor, IISc:** Financial Models for Valuing Flexibility in the Energy Transition
 - **Dr. Varun Jyothiprakash, Senior Program Manager, WRI India:** IDEEA model - Sub-national and Sectoral Modelling
- **Facilitator:** Anasuya Gangopadhyay, Senior Associate, CSTEP

12:30 AM – 2:00 PM Lunch

2:00 PM – 3:30 PM

Session 2: Gaps in Modelling – Global, Subnational, and Sectoral

Objective: Identify and analyse key challenges and gaps in existing modelling frameworks

- **Panel Discussion Topics:**
 - **Global Gaps:** Incorporating global trends and technologies into local models.
 - **Subnational Gaps:** Challenges in regional data integration and granularity.
 - **Sectoral Gaps:** Addressing modelling limitations in energy, transport, land-use, and industrial sectors.
- **Moderator: Dr. Manu Mathai (Director of Research, WRI India)**
- **Panelists: Veena Srinivasan (Executive Director, WELL Labs)*, Shweta Srinivasan (Senior Specialist, Energy Transition, India Climate Collaborative), Tanya Kak (Climate and Environment Portfolio Lead, Rohini Nilekani Foundation), Dr. Shreekanth Gupta (Associate Professor, Delhi School of Economics), Ramya Natarajan (Research Scientist, CSTEP), Pim Vercoolen (Managing Economist, Cambridge Econometrics)**
**TBC*

3:30 PM – 4:00 PM

Concluding Session: Key Takeaways and Roadmap for Collaboration

Objective: Summarize discussions and outline actionable steps

- **Closing Remarks: Chandrakiran L, Analyst, CSTEP**

4:00 PM – 4:30 PM Afternoon Tea
