

# Envisioning India's Low-carbon Future: An Interactive Session using the India Energy Policy Simulator

## ABOUT THE SESSION

The session will introduce India's climate policies and targets and explore the potential relationship between climate action, economic development, and resource-use. We will use the India Energy Policy Simulator (EPS), an open-source model with a public web interface, to simulate the impacts of different climate policies on India's greenhouse gas emissions and its economy.

## LEARNING OUTCOMES

- Understand India's emissions profile and projections until 2050 in a "Business as Usual" (BAU) scenario.
- Learn about different sectoral policies that India is implementing to support low-carbon development.
- Learn how different sectoral policies in the economy interact with each other, how they impact development indicators, co-benefits of decarbonization, and potential trade-offs involved in policy choices for planning a low carbon economy.
- Develop your own long-term low-carbon scenario for India using the model and learn how to choose policy packages and analyze outcomes in the context of those chosen policies.
- Learn about the advantages and limitations of using energy-economy modelling in informing low-carbon pathways for India.

## [Register Here](#)

For more details, contact: **Department of Humanities and Social Sciences**

**IIT Tirupati**

**Web: <https://hss.iittp.ac.in/>**

**9TH  
NOVEMBER  
2023**  
2:00 pm – 6:00 pm

Hosted at  
Dept. of HSS  
IIT Tirupati

### **Format:**

- 1.5 hour lecture.
- 2.5 hours group scenario-building exercise and discussion