

## Patrons

**Dr. V. Geethalakshmi**  
Vice Chancellor, TNAU

**Johan Swinnen**  
Director General, IFPRI, USA

## Course Directors

**Dr. D. Suresh Kumar**  
Director,  
CARDS, TNAU

**Dr. Suresh Babu**  
Head, Capacity Strengthening,  
IFPRI, USA

## Participants

The four days Capacity Building Training is designed by the researchers from International Food Policy Research Institute (IFPRI), USA, and Tamil Nadu Agricultural University, India. The participants includes agricultural researchers / professionals, environmentalists, policy makers, managers, analysts, leaders' governments and non-governmental organizations from South Asian countries.

## Venue

A four days Capacity Building Training on Climate Change and Economy-wide Modelling will be held at the Centre for Agricultural and Rural Development Studies (CARDS), Tamil Nadu Agricultural University, Coimbatore - 641 003, India

## Registration Dates

Registration opens : **01.02.2024**  
Registration closes : **10.02.2024**

## Registration link:

<https://forms.gle/9YM5t1a7ZWWp2TL58>



Contact information

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# South Asia Regional Workshop on Climate Change and Economy-Wide Modelling

20.02.2024 to 23.02.2024



Organized by

**Centre for Agricultural and Rural Development Studies (CARDS)**  
Tamil Nadu Agricultural University, Coimbatore - 641 003, India

**International Food Policy Research Institute (IFPRI)**  
Washington.D.C., USA

**CGIAR Initiative on National Policies and Strategies**  
And

**Comprehensive Action for Climate Change Initiative (CACCI)**

## TNAU

Tamil Nadu Agricultural University (TNAU), a century old premier institute providing higher education in Agriculture. TNAU had its genesis from establishment of an Agricultural School at Saidapet, Chennai, Tamil Nadu, India as early as 1868 which was later relocated at Coimbatore during 1906. Tamil Nadu Agricultural University (TNAU) was established during 1971 and now celebrating Golden Jubilee Year (1971-2021). TNAU is leading agro-technology provider of India and has diverse sphere such as Research, Education regular and distance mode, Extension, Agri-business development, Market intelligence, Weather forecasting and Community Radio.

## CARDS

CARDS at TNAU is involved in conducting policy-oriented research on different issues. It has been collaborating with various national and international level organizations in different domains of research. Our alumni are occupying coveted positions in different organizations across the Globe. The Centre has mandatory functions of education, research, outreach and policy interfacing through the Departments of Agricultural Economics, Agricultural Extension and Rural Sociology, and Agricultural Rural Management.

## IFPRI

The International Food Policy Research Institute (IFPRI), established in 1975, provides research-based policy solutions to sustainably reduce poverty and end hunger and malnutrition. IFPRI provides cutting edge research and policy options on food and nutrition security to support these goals. IFPRI is working through five major impact areas, to advance our joint mission of transforming food systems for a sustainable, climate-resilient world free from hunger and malnutrition. For more than 40 years, IFPRI has collaborated with stakeholders and partners to contribute needed evidence for country- and region led policies that help ensure that all people have access to safe, sufficient, nutritious, and sustainably grown food. IFPRI maintains a strong regional and country presence to respond to demand for food policy research and deliver holistic support for country-led development.

## CACCI

In partnership with local and regional organizations in Africa, Asia, and Latin America and the Caribbean, USAID funded Comprehensive Action for Climate Change Initiative (CACCI) (led by Abt Associates and partners) works with key stakeholders at country level to meet commitments under the Paris Agreement on Climate Change. It supports the design and implementation of policies and

programmatic investments that support sustainable and inclusive growth and promote climate adaptation throughout partner country food systems.

## About the Course

The main objective is to enhance participants' abilities to assess the impact of climate change on macroeconomic aspects of the agricultural sector and to plan strategies to adapt as well as mitigate climate and weather impacts, harmonize methods of analysis, and strengthen cooperation in these efforts to devise suitable policies at the national level pertaining to the climate change arena. In the context of climate change, the Indian agricultural sector treads in a certain duality between promoting food security in response to the increasing population, but at the same time in ensuring environmental sustainability, and sustained economic growth, especially in developing countries like India. Using the Indian Social Accounting Matrix, the economy-wide effects arising out of agricultural interventions will be analyzed, keeping accord with the impacts on sectoral outputs and household incomes from the adoption of varying policy interventions. The course is partially funded by USAID, ICAR, IFPRI, CGIAR Initiative on National Policies and Strategies and CACCI as knowledge partners. This is a hybrid training course with participants from across South Asian countries. To achieve sustainable training results and create a network of climate change modelling analysts, the participants will produce relevant research outputs under the guidance of resource persons. These research outputs will be evaluated by field experts and the authors of the most impactful pieces will be invited to participate in an advanced CGE modeling training tentatively scheduled for May 2024.

## Course Details (Topics to be covered)

### Day 1

- Introduction to Economy-wide Analytical Framework
- Introduction to Input Output Table

### Day 2

- Input Output Multiplier Analysis
- Theories, Method, Simulations and Interpretation

### Day 3

- Introduction to SAM
- Construction of SAM
- Macro SAM estimation using NAS and SUT data

### Day 4

- Group Discussion and Scenario Development
- Simulation with Select Scenarios