

Conference on Input-Output Analysis

for

Indian and the World Economy

The Energy and Resources Institute

New Delhi, India

17 December 2007



KEIO 150
Design the Future

150th Anniversary in 2008

<http://www.teriin.org>

TERI (The Energy and Resources Institute) and the G-SEC (Global Security Research Institute) of Keio University announce that the conference on 'Input-Output Analysis for Indian and the World Economy' will be held on 17 December 2007 at TERI, New Delhi, India.

Background

TERI and G-SEC have been collaborating on a project titled 'Sustainability of the Indian and the World Economy' since September 2006.

While India is witnessing modernization and economic growth, there has been a decline in the country's environmental and ecological health. To address this situation, India is devising strategies for harnessing its vast human resource and seeking scientific and technological innovations for sustainable development. Clearly, solutions to India's diverse problems cannot be provided by a single scientific discipline. The analytical framework to deal with these complex problems must be practical and multidisciplinary. An input-output analysis, with detailed sector classifications, is the most appropriate approach for this purpose. Input-output models of one or more economies are often used to analyse alternative scenarios about the future in an integrated and systematic way. Many industrial ecologists and engineers use input-output models for life cycle assessments to evaluate not only the direct effects but also the full, economy-wide impact of alternative technologies that govern the use of energy and materials. An advantage of these frameworks is the ability to represent new structural relationships rather than only extrapolating from past ones.

Keeping this in mind, input-output tables for environmental analysis for the years 1993/94 and 1998/99 and input-output models for Indian and the world economy were developed.

http://www.gsec.keio.ac.jp/index_e.html

Goal of the Conference

The goal of the conference is to promote and stimulate exchange of ideas among economists, engineers, government officials, and policy-makers. The focus will be on input-output analyses and related models for sustainable development of the Indian and the world economy. Conference proceedings will be published.

Topics

The topics for discussion at the conference will be as follows.

- Input-Output Tables of India
- Input-Output Tables for Environmental Analysis
- Application of Input-Output modeling

Date

17 December, 2007 (9:30 - 17:15)

The reception service will start on 9:00.

Venue

TERI, Darbari Seth Block, IHC Complex, Lodhi Road,
New Delhi - 110 003, INDIA

Registration Fee

Free

Related Links

http://www.teriin.org/events_inside.php?id=18321

For Further Information and Registration

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PROGRAM (Tentative)

9:30-10:00

Opening Remarks

Megha Shukla (TERI)

Kazushige Shimpo (G-SEC)

Keynote Address

R. K. Pachauri, Director-General, TERI

Heizo Takenaka, Director-General, G-SEC

Session 1: Input-Output Tables of India

Chaired by Kazushige Shimpo (G-SEC)

10:00-10:45 *Compilation Issues of IOTT in India*

Ramesh Kolli (CSO)

A. C. Sharma (CSO)

10:45-11:30 *Compilation Issues in Input-Output Tables of India*

M. R. Saluja (IDF)

Bhupesh Yadav (IDF)

11:30-11:45 **Coffee Break**

Session 2: Input-Output Tables for Environmental Analysis

Chaired by Kaushal K. Saxena (IIT, Kanpur)

11:45-12:30 *Making Input-Output Tables for Environmental Analysis for Indian Economy*

Kazushige Shimpo (G-SEC)

Koichi Hikita (G-SEC)

Satoshi Nakano (G-SEC)

Megha Shukla (TERI)

Asako Okamura (G-SEC)

12:30-13:15 *Applications of the Environmental Input-Output Analysis*

Hitoshi Hayami (G-SEC)

13:15-14:00 **Lunch**

Session 3: Application of Input-Output Modeling

Chaired by Hitoshi Hayami (G-SEC)

14:00-14:45 *Industrial Structure, Technical Change and Water Pollution: A Study in Input-Output Framework*

Kaushal K. Saxena (IIT, Kanpur)

Aparna Mishra (IIT, Kanpur)

14:45-15:30 *Energy and GHG Modeling in Input-Output Framework*

Kakali Mukhopadhyay (McGill University, Canada)

Debesh Chakraborty (Jadavpur University, Kolkata)

15:30-15:45 **Coffee Break**

15:45-16:30 *Energy Balancing and an Energy Analysis of Indian Input-Output Accounts*

Shonali Pachauri (IIASA, Austria)

16:30-17:15 *Input-Output Modeling for Scenario Analysis of the Indian Household Energy Use*

Kazushige Shimpo (G-SEC)

Megha Shukla (TERI)

Asako Okamura (G-SEC)

Closing

Kazushige Shimpo (G-SEC)