

## **Academic Training Workshops**

**2007**

### **Planning Commission of India, New Delhi**

In its first initiative through bilateral and interdisciplinary collaboration, a highly successful brainstorming workshop on "Economic, Societal and Environmental Benefits provided by the Indian Forests" was held in April 2007 in New Delhi. Following this a project Development Meeting in the area of Land use and Land use Change was held at the Planning Commission of India during November 2007 to share and include all aspects and perspectives, identify key issues and to develop a strategy for collaborating with each other and IIASA to get a broader understanding of the issues and work together to identify policies and scenarios in this important area.

**2009**

The National Institute of Science, Technology & Development Studies (NISTADS), New Delhi : A 5-day training workshop on "Mathematical Modelling" was organized by the National Institute of Science Technology and Development Studies (NISTADS) in joint collaboration with TIFAC, IIASA in Delhi during February 2009.

**2010**

### **Indian Institute of Forest Management (IIFM), Bhopal**

A two-day workshop on Ecological Modelling was organized jointly by TIFAC & IIASA at the Indian Institute of Forest Management (IIFM), during January 28-29, 2010. The workshop was primarily planned & designed towards imparting specialized skills in ecological modelling for Indian participants practicing Indian foresters, forest policy planners, senior forestry researchers and others.

### **International Institute for Population Sciences, Mumbai**

An IIPS-IIASA-TIFAC Seminar on "Demography: International Perspective and Challenges for India" was held at International Institute for Population Sciences (IIPS) Mumbai during February 12-13, 2010. The seminar focused on issues related to mortality and morbidity, demographic dividend, demographic models, data and measurement, issues related to HIV/AIDS and some infectious diseases as well as urbanization, development and environment.

### **Institute for Social and Economic Change (ISEC), Bangalore**

A five-day workshop with intensive training on Multi-state demography was organized in partnership with ISEC, Bangalore during November 09-13, 2010. The purpose was to introduce multistate population projection methodology with PDE (Population-Development-Environment) projection software and demonstrate Visual Basics for Application (VBA) as a tool for developing multistate population projection model.

### **Madras School of Economics, Madras (2010) TIFAC-MSE-IIASA**

A modelling Workshop on Land Use Planning was held at Madras School of Economics, Chennai on April 15-16, 2010 to deliberate on several cutting-edge methodological issues to develop modeling expertise to analyze issues related to food security.

### **Technology Information, Forecasting and Assessment Council (TIFAC), New Delhi**

An international workshop on Water Resource Management and Sustainability was organized by TIFAC on September 03-04, 2010. The workshop aimed at facilitating exchange of countries' experiences on the regulatory, institutional, technical and social and development aspects connected with the application and implementation of national policies/strategies and plans on water so as to realize the IIASA Strategic Plan in methodological, applied and integration aspects on water.

### **International Training Programme on Air Pollution Management, Pune (2010)**

## **2011**

### **CEPT University, Ahmedabad**

A workshop on Regional Air Pollution and Greenhouse Gas Mitigation was organized in partnership with CEPT University, Ahmedabad on January 27-28, 2011. The workshop offered an insight into the methodology and practical hands-on experience on IIASA's GAINS (Greenhouse Gas Air pollution Interactions and Synergies) model for integrated assessment of air pollutants & greenhouse gases, environmental control strategies for air pollutants and associated environmental & health impacts.

### **National Institute of Hydrology (NIH), Roorkee**

A workshop on Integrated Water Resources Management Strategy for Water Scarce Bundelkhand Region in India was organized at National Institute of Hydrology, Roorkee on December 06-07, 2011 to discuss the complexities and issues involved in the integrated water resource management, and deliberate on the tools and techniques as well as innovative approaches required in developing effective water management solutions in water-scarce Bundelkhand region in India.

## **2012**

### **National Environmental Engineering Research Institute (NEERI), Nagpur**

A five-day workshop on Economic Development and Atmospheric Pollution was organized at National Environmental Engineering Research Institute (NEERI), Nagpur on February 06-10, 2012. The workshop offered insight into the methodology and practical hands-on experience of IIASA's GAINS model so as to analyze and process data for the whole air pollution cycle at national and regional level.

### **Institute of Rural Management (IRMA), Anand**

A Workshop on Adapting Rural Livelihoods to Climate Change was organized on February 14-15, 2012 at the Institute of Rural Management Anand (IRMA) aimed to discuss the systems analysis tools to model the climate change adaptation approaches for sustainable livelihoods.

## **2013**

### **Gujarat Institute of Development Research (GIDR), Ahmedabad**

A two-day workshop on Changing Land Use and Environmental Implications under the Emerging Economic and Climatic Scenarios in India: Developing Data Base and Methodology was organized with Gujarat Institute of Development Research (GIDR), Ahmedabad on March 05-06, 2013. The workshop assessed some of the important issues pertaining to the recent spurt in the diversion of land from primary sector and discussed critical constraints in moving towards an approach for land-use planning in India.

### **Technology Information, Forecasting and Assessment Council (TIFAC), New Delhi**

TIFAC-IIFM workshop on the Study on "Analyzing Forest Carbon Accounts for Sustainable Policy Options with Special Reference to Livelihood issues" was organized in TIFAC on May 15, 2013 for presentation of the draft report to the group of experts so as to finalize the report based on the feedback from the experts.

### **Technology Information, Forecasting and Assessment Council (TIFAC), New Delhi**

A one day workshop was convened with IIASA YSSPers working in India, at the Technology Information, Forecasting and Assessment Council (TIFAC) on October 18, 2013 in order to review the benefits gained by the YSSPers from the YSSP program at IIASA.

## **2014**

### **Institute for Social and Economic Change (ISEC), Bangalore**

An eight day training workshop was held at the Institute for Social and Economic Change (ISEC), Bangalore in association with TIFAC and IIASA from November 24 to December 2, 2014. The workshop developed demographic analytical skills and knowledge of multistate demography among researchers, technocrats in the government as well as Ph.D. students.

### **Jadavpur University, Kolkata**

A five day workshop dedicated to "Accounting for Ecosystem Services: Theory and Practice" was organized in collaboration with the Indian Technology Information, Forecasting and Assessment Council (TIFAC) at Jadavpur University in Kolkata from May 5-9, 2014. The workshop developed skills of researchers to account for ecosystem services.

## **2015**

**Council on Energy, Environment and Water (CEEW), New Delhi**

A one day workshop entitled “*IIASA HFC Workshop Preliminary Modelling Results and Alternate Policy Scenarios*” was organized in collaboration with the Council on Energy, Environment and Water (CEEW) and the Shakta Sustainable Energy Foundation on February 23, 2015 in New Delhi. The workshop aimed to share the detailed technical assumptions and modelling framework for different hydrochlorofluorocarbons (HCFC)/hydrofluorocarbons (HFC) emission sectors and to discuss and explore potential phase down policy pathways to leapfrog away from HFCs.

**International Society for Integrated Disaster Risk Management (IDRiM), New Delhi**

The 6th Annual Conference of the International Society for Integrated Disaster Risk Management (IDRiM 2015) was held in New Delhi during October 28-30, 2015. The theme of the conference was “Disaster Risk Reduction: Challenges and Opportunities for Sustainable Growth”. The conference covered not just the technology aspects of disaster but also touched upon the other sectors such as social and economical aspects. The conference was highly multi disciplinary in nature with high quality papers from India and also international participation.

**3 (E) Participation of Senior Researchers in IIASA activities:** IIASA along with a number of international partners had taken up the Global Energy Assessment, a major initiative seeking to redefine the global energy policy agenda-one that transforms the way society thinks about, uses, and delivers energy. Coordinated by IIASA and involving over 500 specialists from a range of disciplines, industry groups, and policy areas. This multi-year and multi-stakeholder activity was to help decision makers address the challenges of providing energy services for sustainable development throughout the world. **Several senior Indian Researchers/Stakeholders had participated in planning, steering & contributing as lead authors & contributing authors** in this major IIASA initiative including its co-Chair (Professor Anand Patwardhan of the Indian Institute of Technology, Bombay).