



## TECHNOLOGY INFORMATION, FORECASTING AND ASSESSMENT COUNCIL (TIFAC)

# TRAINING WORKSHOP ON INTEGRATED ASSESSMENT OF AIR POLLUTION AND GREENHOUSE GAS MITIGATION IN INDIA

A 5 days online training programme | September 13-17, 2021

Please register for participation @ [www.tifac.org.in](http://www.tifac.org.in)

Participation fee Rs.15000/-

## ABOUT TRAINING WORKSHOP

TIFAC is organizing a training workshop on 'Integrated Assessment of Air Pollution and GHG Mitigation in India' during September 13-17, 2021, in association with IIASA, Austria, IIT New Delhi, and NEERI, Nagpur. Air pollution has caught the attention of the public and policymakers, but a considerable gap still exists in the general understanding regarding the health impacts of air pollution especially in the Indo Gangetic Plain (IGP) region, considering the wide range of air pollution sources, pollution transport, exposure patterns, and the region's complex geography. The high burden of air pollution in India and its substantial adverse impact on output could impede India's overall economic development and social wellbeing unless they are addressed as a priority. Investments in state-specific air pollution control strategies and measures are needed to reduce the significant adverse health and economic impact of air pollution across India. An integrated assessment approach to mitigate the air pollution at the city level is the need of the hour to understand the cost implication and co-benefits in terms of associated GHGs emission reductions. The participants of the workshop would have an in-hand experience on the GAINS model developed by IIASA.

## GAINS MODEL

A cost-effective emission control strategies that simultaneously tackle local air quality and GHGs so as to maximize benefits at all scales.

It provides simulation of the costs, health and ecosystems benefits of user-defined packages of emission control measures;

Cost-effectiveness analysis to identify least-cost packages of measures that achieve user-defined policy targets

Cost-benefit assessments that maximize (monetized) net benefits of policy interventions.

## WORKSHOP DELIVERABLES

Insight into the methodology and practical hands-on experience to users of IIASA's GAINS model.

Use of GAINS model for estimation and projection of emissions of air pollutants and GHGs, costs of emission control strategies, and the resulting environmental impacts.

To facilitate the design of emission control strategies that balance emission control measures across the various sources in the most cost-effective way.

Assessment of risk associated with air pollution on human health in India.

Understanding of the associated environmental and health impacts of air pollution control measures and enhance role of integrated assessment in decision making process.

Exploring available cost-effective control measures.

## PROSPECTIVE PARTICIPANTS/BENEFICIARIES

- SCIENTISTS
- POLICYMAKERS
- ECONOMISTS
- HEALTH PERSONNEL
- AGRICULTURE SCIENTIST
- INDUSTRY
- NGOS
- CIVIL SERVANTS
- REPRESENTATIVES OF CENTRAL AND SPCB & REGULATORY AUTHORITIES
- REPRESENTATIVES FROM STATE NODAL AGENCIES
- RESEARCHERS INVOLVED IN AIR POLLUTION & CLIMATE CHANGE STUDIES
- ACADEMICIANS AND CONSULTANTS