

# Training on

## Integrated Assessment For Air Pollution and Greenhouse Gas Mitigation in India using GAINS Model

### 5-DAY WORKSHOP (September 13-17, 2021)

#### Speakers

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#### About

TIFAC is organizing a training workshop on 'Integrated Assessment of Air Pollution and GHG Mitigation in India' in collaboration with IIASA, Austria, IIT New Delhi and NEERI, Nagpur. The aim of the workshop is to provide an in-hand experience on integrated assessment approach to mitigate the air pollution and associated co-benefits of GHGs emission reduction using Greenhouse Gas and Air Pollution Interactions and Synergies (GAINS) model developed by IIASA.



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for Applied Systems  
Analysis, Austria



Indian Institute of  
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Council for Scientific  
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# Detailed Programme

## DAY-1

- The science-policy interface on cost-effective air quality Management (AQM) planning
- The GAINS model: Learning the toolbox

## DAY-2

- The GAINS Methodology: Activities, sectors, and controls
- Application of GAINS Model for scenario analysis of air quality management: A case study for Delhi

## DAY-3

- Air pollution and Health Impacts in India
- Air quality and health impacts in the GAINS model
- PM<sub>2.5</sub> Source Apportionment in Southeast Asia and application of air quality modelling

## DAY-4

- Air Pollution and Emission Inventory
- Cost-effective analysis of air quality management in the GAINS model

## DAY-5

- Ambient Air Quality Monitoring System (AAQMS) and Source Apportionment (SA) Network
- Emission Inventory preparation and Scenario Development for GAINS model application in air quality management framework
- Presentation by the participants followed by feedback discussion

## About TIFAC

**Technology Information, Forecasting and Assessment Council (TIFAC), an autonomous organization under the Department of Science and Technology (DST), GoI was established in 1988. TIFAC is a think tank within the government setup that looks up to technologies on the horizon, assesses the technology trajectories, and supports technology innovation in select areas of national importance.**



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