

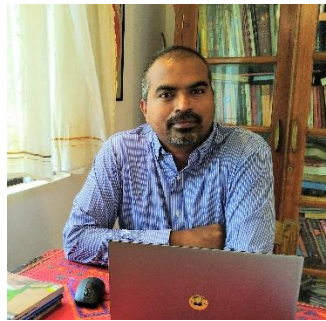
INDIAN SOCIETY FOR ECOLOGICAL  
ECONOMICS

**MASTER CLASS**

**AIR QUALITY AND EMISSIONS ANALYSIS:  
Data and Methods**

by

**SARATH GUTTIKUNDA**



Almost all the debates on air quality in India are (often) limited to big cities (like Delhi, Mumbai, and Kolkata), even though most of India's population lives in Tier-2, Tier-3, and smaller towns. There is little by way of measurements or an assessment of sources contributing to local air pollution problems or the growing health impacts associated with these pollution levels. The Air Pollution knowledge Assessment (APnA) city program, launched in 2017, is an attempt to fill this lacuna of information, with an objective to create a baseline database for air pollution in Indian cities and to inform policymakers as they chart out strategies to improve air quality. This 2-part course will cover an overview of the methodologies in assessing emissions and pollution, an overview of the results including the modeled source contributions, discussion points associated with the available information, and how we are linking these databases for public and policy dialogue in India.

**Speaker Bio:**

Dr. Sarath Guttikunda (INSEE life member) is a chemical engineer, atmospheric scientist, TED fellow, and founder of Urban Emissions (India). His main research interest is air quality analysis and finding ways to bridge the gap between science and policy. He is the developer of the SIM-air family of tools used for air pollution knowledge assessments (APnA) city program showcasing emissions, pollution, and source contribution information for 50 airsheds in India. In 2016, Dr. Guttikunda was part of the team that launched the only air quality forecast platform for all of India. He was a member of India's AQI formulation committee (2014) and WHO's air quality guidelines development group (2016-2020). He was a keynote speaker at the 8th biennial conference of INSEE in 2016. He has a Ph.D in Chemical Engineering and Environmental Policy from the University of Iowa and a B.Tech (Hons) from IIT Kharagpur.

**Important information**

**Dates:** October 15-16, 2020

**Time:** 12 noon - 1 pm

**The course is open to INSEE members.**

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**Seats are limited and registration will be on the first-come basis\***

**A non-refundable registration fee of Rs. 500 is applicable.\*\***

**Last date for registration: October 13, 2020**

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\* Preference will be given to research students and early career scholars.

\*\* Readings will be made available to registered participants before the start of the course. A certificate will be provided subject to successful completion of an assignment.