INDIA CLEAN AIR SUMMIT 2024

Date: 26–30 August 2024

Venue: Sheraton Grand Bangalore Hotel at Brigade Gateway, Bengaluru

With the launch of the National Clean Air Programme (NCAP) in 2019, India has taken several measures to improve air quality and reduce the resulting health impacts.

To further the cause of **clean air for all**, the Center for Study of Science, Technology and Policy (CSTEP) announces its flagship event on air pollution *India Clean Air Summit (ICAS) 2024*. The sixth edition of ICAS is based on the central theme *The Participatory Future of Air Quality Management* to drive collaborative action on air pollution in India and will be held from 26 to 30 August 2024.

This year, CSTEP is partnering with the Clean Air Monitoring and Solutions Network (CAMS-Net) for the sessions being organised from 26 to 28 August under the theme *South–South–North Collaborations Towards Clean Air for All*.

The joint event aims to bring together multiple agencies and representatives from government bodies, think tanks, academia, citizens, funding agencies, and on-ground implementation partners to discuss and devise measures to improve outdoor and indoor air quality. This platform provides an opportunity for countries in the Global South, such as India, Ghana, Rwanda, Kenya, and Nigeria, to gain insights from successes in the Global North countries such as the United States and France (South–North) and from each other (South–South).

Air pollution sensors can be a vital part of the fight against air pollution. However, data quality remains an important concern. Assessing the performance of air sensors against reference-grade monitors, the ultimate quality assurance check, has been limited. Air Quality Sensor Performance Evaluation Center (AQ-SPEC), the AirParif Airlab Microsensors Challenge, the air quality Sensor Evaluation and Training centre for West Africa (Afri-SET), and CSTEP's India Sensor Evaluation and Training (Indi-SET) centres have been established to independently evaluate commercially available sensors. At ICAS + CAMS-Net 2024, we shall look at their successes and challenges and chart the path to wider acceptance of air sensors for air quality management.

We will also look at applications to identify neighbourhood-scale pollution hotspots, fill in data gaps in rural or unmonitored regions where little to no monitoring infrastructure exists, facilitate fence-line monitoring of industrial emissions, and improve air quality at home and workplaces. Further, we shall bring together upcoming researchers from across India to discuss a new community of practice for better knowledge sharing to improve our mutual understanding on the effective use of low-cost sensors.

ICAS 2024 will cover a wide range of topics on air quality management to answer critical questions, including emission inventories (what are the sources of air pollution in your city?), air quality modelling (how much do local sources vs regional or transported pollution contribute to air pollution?), source apportionment (is there ground evidence on such sources and their contributions?). We shall hear from experts on how we can combine climate action with clean air

action, as these twin challenges share many of the same causes. For example, diesel engines in buses, trucks, and generators emit both carbon dioxide and black carbon. Sustainability solutions will highlight efforts to tackle climate-warming air pollution that can lead to climate and air quality win–wins. As we approach the time to revise India's Nationally Determined Contributions (NDCs) for climate goals and the next iteration of NCAP, we shall look at ways to harmonise the key governance structures to yield greater clean air benefits.

Finally, the event will provide an opportunity to be inspired by and learn from air quality champions making a difference in their own ways towards clean air for all.

Join us at ICAS 2024!

For more details on the event, please visit: https://cstep.in/event-details.php?id=2775

About CSTEP: The Center for Study of Science, Technology and Policy (CSTEP) is one of India's leading think tanks, with a mission to enrich policymaking with innovative approaches using science and technology for a sustainable, secure, and inclusive society. Our current work is anchored in the grand challenges of our time, namely, Clean Energy Transition, Clean Air for All, and Sustainable and Secure Future for all. Our work focuses on ensuring that our ideas are borne out of evidence and implementable at scale.

About CAMS-NET: The Clean Air Monitoring and Solutions Network (CAMS-Net) is a National Science Foundation-funded project aimed at creating an international "network of networks" that will facilitate the exchange of knowledge, ideas, and data in order to improve the usage and application of low-cost sensor air quality data. Based at Columbia University, in collaboration with Carnegie Mellon University and Washington University at St Louis, CAMS-NET offers a unique platform for South–South–North collaboration on an equal footing.

About ICAS: Since its inception in 2019, the India Clean Air Summit (ICAS) has emerged as a platform for the community working on improving air quality in India, including government, academia, civil society organisations, and citizens, to collaborate and discuss important issues around air pollution.