

INDIA CLEAN AIR SUMMIT (ICAS) 2024

The Participatory Future of Air Quality Management

26–30 August 2024

Venue: Sheraton Grand Bangalore Hotel at Brigade Gateway, Bengaluru

AGENDA

Day 0/Training Day CAMS-Net Monday, 26 August 2024		
Time	Session name	Speaker/Moderator name
8:00 AM–9:00 AM Onsite registration and badge pickup (Pre-function Area)		
9:00 AM–1:00 PM	Demonstration of air quality information tools (SIM-Air and emissions inventory)	Dr Sarath Guttikunda, Founder and Director, Urban Emissions
	From sensing to sending data: Integrating hardware and firmware for low-cost sensors	Mr Ronak Sutaria and Dr Kevin Joshi, Respirer Living Sciences Pvt Ltd <i>(Venue: Jupiter)</i>
1:00 PM–2:15 PM Lunch (Sheraton)		
2:15 PM–4:15 PM	Let's talk data! (Air quality data bootcamp)	Ms Garima Raheja, PhD Candidate, Columbia University, Lamont-Doherty Earth Observatory
		Dr Saumya Singh, Assistant Professor, Indian Institute of Forest Management, Bhopal, India
4:15 PM–4:30 PM Tea break and poster mounting (Pre-function Area)		
4:30 PM–6:30 PM	Empirical models for spatial air quality assessment	Dr Albert Presto, Research Professor, Department of Mechanical Engineering, Carnegie Mellon University
6:30 PM–8:30 PM Dinner (Sheraton)		

All sessions are being held in the Grand Ballroom, unless otherwise specified.

Day 1 CAMS-Net Tuesday, 27 August 2024		
Time	Session name	Speaker/Moderator name
8:00 AM–9:00 AM Onsite registration and badge pickup (Pre-function Area)		
9:00 AM–9:50 AM	Opening plenaries: South–South–North collaboration towards clean air for all	Moderator: Prof Dan Westervelt, Lamont Associate Research Professor, Columbia University, Lamont-Doherty Earth Observatory
		Prof V Faye McNeill, Professor and Vice Chair, Department of Chemical Engineering, and Professor, Department of Earth and Environmental Sciences, Columbia University
		Dr R Subramanian, Head, Air Quality Sector, CSTEP
		Dr Allison Hughes, Senior Lecturer, University of Ghana
9:50 AM–10:00 AM Tea break		
10:00 AM–11:30 AM	Which air pollution monitor? Ranking low-cost sensors and the path to standardised testing	Moderator: Ms Swagata Dey, Policy Specialist, Atmospheric Composition Observations, Air Quality Sector, CSTEP
		Dr Mike Giordano, Executive Director, AfriqAir
		Ms Emil Varghese, Senior Analyst, Atmospheric Composition Observations, Air Quality Sector, CSTEP
		Mr Adrian Arfire, Metrology Engineer, Airparif (<i>Virtual</i>)
11:30 AM–1:00 PM	Towards clean air for all: Measuring air pollution in your neighbourhood	Moderator: Dr Anindita Dutta
		Dr Saumya Singh, Assistant Professor, Indian Institute of Forest Management, Bhopal
		Ms Garima Raheja, PhD Candidate, Columbia University, Lamont-Doherty Earth Observatory

All sessions are being held in the Grand Ballroom, unless otherwise specified.

		Prof Kofi Amegah, Project Lead, Breathe Accra, and Associate Professor, Senior Member, University of Cape Coast
		Dr Provat Kumar Saha, Associate Professor, Department of Civil Engineering, Bangladesh University of Engineering and Technology (<i>Virtual</i>)
1:00 PM–2:30 PM Lunch (Sheraton)		
2:30 PM–4:00 PM	Advanced data analytics for hyper-local air pollution action	Moderator: Dr Nidhi Malik, Consultant, Air Quality Sector, CSTEP
		Prof Dan Westervelt, Lamont Associate Research Professor, Columbia University, Lamont-Doherty Earth Observatory
		Dr Nirav Lakinwala, Senior Associate, Air Quality Sector, CSTEP
		Mr Mrinmoy Chakraborty, The University of British Columbia
		Dr Sathish Swaminathan, Postdoctoral Fellow, Columbia University
4:00 PM–4:15 PM Tea break		
4:15 PM–5:45 PM	Breakouts sessions	Dr Albert Presto (Topic: Gas sensor performance), Research Professor, Department of Mechanical Engineering, Carnegie Mellon University
		Mr Ronak Sutaria (Topic: Industrial fugitive and fence-line emissions monitoring), Founder and CEO, Respirer Living Sciences Pvt Ltd (Venue: Jupiter)
5:45 PM–6:30 PM Poster viewing time (Pre-function Area)		
6:30 PM–8:30 PM CAMS-Net dinner (Sheraton)		

All sessions are being held in the Grand Ballroom, unless otherwise specified.

Day 2 CAMS-Net Wednesday, 28 August 2024		
Time	Session name	Speaker/Moderator name
8:00 AM-9:00 AM Onsite registration and badge pickup (Pre-function Area)		
9:00 AM-10:30 AM	Sensor applications	Moderator: Dr Jessica Seddon, Co-Founder, The Institutional Architecture Lab
		Dr Carl A Malings, Assistant Research Scientist, NASA Earth Science Applied Sciences (<i>Virtual</i>)
		Dr Sarath Guttikunda, Founder and Director, Urban Emissions
		Mr Jason Gu, Chief Technology Officer, Sensit Technologies
		Ms Victoria Owusu Tawiah, Kwame Nkrumah University of Science and Technology
10:30 AM-10:40 AM Tea break		
10:40 AM-11:00 AM	Special address	Introduction by Ms Swagata Dey, Policy Specialist, Atmospheric Composition Observations, Air Quality Sector, CSTEP Special address by Dr Kalyan Rudra, Chairman, West Bengal Pollution Control Board
11:00 AM-1:00 PM	Health and productivity through clean air at home and the workplace	Moderators: Dr R Subramanian, Head, Air Quality Sector, CSTEP, and Mr Kunal Jagdale, Senior Associate, Climate, Environment and Sustainability Sector, CSTEP
		Prof V Faye McNeill, Professor and Vice Chair, Department of Chemical Engineering, and Professor, Department of Earth and Environmental Sciences, Columbia University
		Dr Yashkumar Shukla, Center Head and Principal Researcher, CARBSE
		Mr Guruprakash Sastry, Associate Vice President, Head – Climate action, Infosys

All sessions are being held in the Grand Ballroom, unless otherwise specified.

		Mr Ronak Sutaria, Founder and CEO, Respirer Living Sciences Pvt Ltd
		Dr Sameer Patel, Assistant Professor, Indian Institute of Technology Gandhinagar
1:00 PM–2:30 PM Lunch (Sheraton)		
2:30 PM–4:30 PM	South Asia community of practice for air sensors: Building a network of young professionals	Moderator: Ms Swagata Dey, Policy Specialist, Atmospheric Composition Observations, Air Quality Sector, CSTEP
		Mr Shriram Manogaran, Portfolio Manager – Data, Clean Air Fund
		Mr Rajesh Shenoy, Head, Artificial Intelligence and Digital Platforms Sector, CSTEP
		Mr Ronak Sutaria, Founder and CEO, Respirer Living Sciences Pvt Ltd
		Ms Akanksha Priyadarshini, Co-Founder, Aurassure
		Dr Sofiya Rao, Principal Project Scientist, CAS, Indian Institute of Technology Delhi
		Dr Debashis Chakraborty, Sr Scientist, West Bengal Pollution Control Board
4:30 PM–5:30 PM	CAMS-Net closing session: Way forward	Prof Dan Westervelt, Lamont Associate Research Professor, Columbia University, Lamont-Doherty Earth Observatory
		Prof V Faye McNeill, Professor and Vice Chair, Department of Chemical Engineering Professor, Department of Earth and Environmental Sciences Columbia University
		Dr R Subramanian, Head, Air Quality Sector, CSTEP

All sessions are being held in the Grand Ballroom, unless otherwise specified.

		Dr Albert Presto, Research Professor, Department of Mechanical Engineering, Carnegie Mellon University
	Certificate distribution for poster presentations	Moderator: Ms Anshika Srivastava, Senior Associate, Policy Development and Assessment, Air Quality Sector, CSTEP (Distributed by Dr R Subramanian and Prof Dan Westervelt)
5:45 PM–6:30 PM Poster viewing time (Pre-function Area)		
6:00 PM–7:00 PM: Onsite registration and badge pickup (Pre-function Area)		
7:00 PM–8:30 PM	ICAS inaugural session	Moderator/Host: Dr R Subramanian, Head, Air Quality Sector, CSTEP
		Dr Jai Asundi, Executive Director, CSTEP
		Shri Gaurav Gogoi, Honourable Member of Parliament, Lok Sabha
		Smt Aparajita Sarangi, Honourable Member of Parliament, Lok Sabha <i>(Virtual)</i>
		Dr Santosh Harish, Program Officer, Open Philanthropy
	Official launch of CSTEP's policy brief on ex-situ mechanisms for stubble management	Keynote Adress: Prof Adarsh Pal Vig, Chairman, Punjab Pollution Control Board
		Presentations by Ms Swagata Dey, Policy Specialist, Atmospheric Composition Observations, Air Quality Sector, CSTEP Mr Umang Bhola, Senior Consultant, GDi Partners Ms Kurinji Kemanth, Program Associate, CEEW
8:30 PM onwards ICAS dinner (Sheraton)		

All sessions are being held in the Grand Ballroom, unless otherwise specified.

Day 1 ICAS Thursday, 29 August 2024		
Time	Session name	Speaker/Moderator name
9:00 AM–10:00 AM Onsite registration and badge pickup (Pre-function Area)		
10:00 AM–10:05 AM	Introduction	Dr R Subramanian, Head, Air Quality Sector, CSTEP
10:05 AM–10:15 AM	Welcome remarks	Ms Priya Shankar, India Director, Climate and Environment Program, Bloomberg Philanthropies
10:15 AM–11:30 AM	Plenary panel: The participatory future of air quality management in India	Moderator: Dr R Subramanian, Head, Air Quality Sector, CSTEP
		(Tentative) Government of Karnataka Representative
		Dr Soumya Swaminathan, Principal Advisor, Ministry of Health and Family Welfare; former Chief Scientist, WHO; and Chairperson, M S Swaminathan Research Foundation (<i>Virtual</i>)
		Prof Kalpana Balakrishnan, Associate Dean (Research) and Director; WHO Collaborating Center for Occupational and Environmental Health; ICMR Centre for Advanced Research on Air Quality, Climate and Health; Department of Environmental Health Engineering, Sri Ramachandra University
11:30 AM–1:00 PM	Unlocking the secrets of the air you breathe: Source apportionment and emissions	Moderator: Ms Emil Varghese, Senior Analyst, Atmospheric Composition Observations, Air Quality Sector, CSTEP
		Dr Shweta Yadav, Assistant Professor, Department of Environmental Sciences, Central University of Jammu

All sessions are being held in the Grand Ballroom, unless otherwise specified.

	inventory	Mr Anirban Banerjee, Senior Associate, Policy Development and Assessment, Air Quality Sector, CSTEP
		Dr Albert Presto, Research Professor, Department of Mechanical Engineering, Carnegie Mellon University
		Prof Deepika Bhattu, Associate Professor, Indian Institute of Technology Jodhpur
1:00 PM–2:30 PM Lunch (Sheraton)		
2:30 PM–4:15 PM	Air quality modelling for improved clean air action	Moderator: Mr Kaushik Muduchuru, Senior Associate, Atmospheric Composition Modelling, Air Quality Sector, CSTEP
		Dr Sarath Guttikunda, Founder and Director, Urban Emissions
		Dr Sachin D Ghude, Scientist-F Head, Indian Institute of Tropical Meteorology
		Prof Srinidhi Balasubramanian, Assistant Professor, Department of Environmental Science and Engineering, Indian Institute of Technology Bombay
		Prof Dan Westervelt, Lamont Associate Research Professor, Columbia University, Lamont-Doherty Earth Observatory
		Dr Piyush Bhardwaj, Research Scientist, Atmospheric Composition Modelling, Air Quality Sector, CSTEP
4:15 PM–4:30 PM Tea break		
4:30 PM–6:00 PM	Sustainability solutions:	Moderator: Dr Jessica Seddon, Co-Founder, The Institutional Architecture Lab

All sessions are being held in the Grand Ballroom, unless otherwise specified.

Simultaneous air quality and climate win-wins	Shri Pushyamitra Bhargav, Mayor, Indore
	Mr Martin Raiser, Vice President, South Asia Region, World Bank <i>(Virtual)</i>
	Dr Sameer Maithel, Founder, GKSPGreenotech Knowledge Solutions Pvt Ltd
	Prof Chandra Venkataraman, Professor, Department of Chemical Engineering, Indian Institute of Technology Bombay <i>(Virtual)</i>

6:15 PM–7:00 PM | Poster viewing time (Pre-function Area)

All sessions are being held in the Grand Ballroom, unless otherwise specified.

Day 2 ICAS Friday, 30 August 2024		
Time	Session name	Speaker/Moderator name
9:00 AM–10:00 AM Onsite registration and badge pickup (Pre-function Area)		
10:00 AM–11:00AM	Join the fight: Air quality champions	Moderator: Ms Nidhi Jamwal
		Shri Gaurav Singh Sogarwal, IAS, Municipal Commissioner, Gorakhpur
		Ms Rama, ASAR Social Impact Private Limited
		Dr Amit Chakraborty, Chief Environment, Tata Steel
11:00 AM–11:30 AM	TBC	
11:30 AM–1:00 PM	Harmonising climate and clean air action: Recommendations for NCAP 2.0 and NDC 2.0	Moderator: Ms Swagata Dey, Policy Specialist, Atmospheric Composition Observations, Air Quality Sector, CSTEP
		Shri Ashish Tiwari, IFS, Secretary, Environment, Forest and Climate Change Department, Government of Uttar Pradesh
		Dr Prashant Gargava, Director, NCAP
		Ms Anumita Roychowdhury, Executive Director, Research and Advocacy, Centre for Science and Environment
		Ms Aarti Khosla, Founder and Director, Climate Trends
1:00 PM–2:30 PM Lunch (Sheraton)		
2:30 PM–4:00 PM	Household air pollution: Impacts and solutions	Moderator: Shri T S Panwar, Advisor, Air Quality and Climate, CSTEP
		Mr Abhishek Kar, Senior Programme Lead, Council on Energy, Environment and Water
		Mr Roshan Wathore, Scientist, National

All sessions are being held in the Grand Ballroom, unless otherwise specified.

		Environmental Engineering Research Institute
		Prof Kalpana Balakrishnan, Associate Dean (Research) and Director; WHO Collaborating Center for Occupational and Environmental Health; ICMR Centre for Advanced Research on Air Quality, Climate and Health; Department of Environmental Health Engineering, Sri Ramachandra University (<i>Virtual</i>)
		Prof Ravindra Khaiwal, Community Medicine and School of Public Health, PGIMER (<i>Virtual</i>)
4:00 PM–4:30 PM Vote of thanks by Dr R Subramanian, Head, Air Quality Sector, CSTEP		
4:30 PM–5:00 PM High tea (Sheraton)		

All sessions are being held in the Grand Ballroom, unless otherwise specified.