



Webinar on
**Air Quality under
South-South Cooperation:**

What Works for Developing Countries, through
the Lens of Science, Technology and Governance?

Tuesday, 22nd December, 2020
@ 3:30 p.m GMT+5

With one in nine deaths globally attributed to poor air quality, the United Nations states that poor air is the single greatest environmental health risk of the post-modern era. The World Health Organization notes with rising concern that 98% of all cities in developing countries with populations larger than 100,000 face air quality beyond acceptable health limits. It is, therefore, critical for the Global South to take account of rapid urbanization and institute urban planning measures to secure their populations against worsening air quality. The apparent North-South Divide in air quality and the associated public health burden is exacerbated by fundamental sustainable development challenges facing the South - resource constraints, inability to generate data, gaps along the science-policy nexus, lax policy formulation and implementation, and over-reliance on carbon-based development.

Air quality is a cross-cutting issue for the Global South, as evidenced by the United Nations 2030 Agenda for Sustainable Development. It links directly to multiple Sustainable Development Goals: Health (Goal 3); Affordable and Clean Energy (Goal 7); Industry, Innovation and Infrastructure (Goal 9); Sustainable Cities (Goal 11); Responsible Production and Consumption (Goal 12); Climate Action (Goal 13); and Partnership for the Goals (Goal 17). Simultaneously, the Paris Agreement promotes climate mitigation, which can realize co-benefits for public health in

developing countries, with air quality improvements built into the framework of de-carbonization pathways. For countries in Global South require putting continual efforts towards raising the level of awareness among policy makers, the private sector and civil society.

COMSATS Centre for Climate and Sustainability (CCCS) in the partnership of Islamic World Educational, Scientific and Cultural Organization (ICESCO) holding a webinar on 22nd December 2020 with the aim to elucidate newer efforts to increase awareness, foster connectivity and implement solutions in developing countries on air pollution and work with partners in the Global South to chart the way forward for this decade.



Meeting Link:

[https://us02web.zoom.us/j/88005497749?](https://us02web.zoom.us/j/88005497749?pwd=dWltQjFvWHA2b1R0cWdsb2drUndGZz09)
[pwd=dWltQjFvWHA2b1R0cWdsb2drUndGZz09](https://us02web.zoom.us/j/88005497749?pwd=dWltQjFvWHA2b1R0cWdsb2drUndGZz09)

Meeting ID: 880 0549 7749 **Passcode:** 571158

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PANELISTS



Mr. Johann Antoine



Dr. Eric Zusman



Dr. Hassen KCHIH



Prof. Jalal Halwani



Dr. Alayni Foued



Prof. Jacob Ademola Sonibare



Mr. Abid Omar



Prof. Gabriel Filippelli

Mr. Johann Antoine

Mr. Johann Antoine is a Research Scientist at the International Centre for Environmental and Nuclear Sciences (ICENS) where he has been for over 16 years. He is the section head of the Nuclear Analytical Laboratory and an operator of the SLOWPOKE-2 nuclear reactor specializing in neutron activation analysis (NAA) of biological, environmental and food research. He is the co-author of several peer-reviewed journal articles, conference publications, technical reports and two book chapters as well as a frequent reviewer for several high-impact international journals. He is currently a counterpart for the International Atomic Energy Agency (IAEA) Regional project RLA7023- Evaluation of the components of atmospheric aerosols in urban areas to improve air pollution and climate change management.

Dr. Eric Zusman

Dr. Eric Zusman is a senior policy researcher/area leader at the Institute for Global Environmental Studies in Hayama, Japan. Dr. Zusman holds a bachelors degree in Mandarin Chinese from Rutgers University, a dual Master's Degree in public policy and Asian studies from the University of Texas at Austin and a Ph.D. in political science from the University of California, Los Angeles. He has published books and articles on water scarcity, air pollution regulation, environmental law, multilevel governance, sustainability transitions, low carbon development and the Sustainable Development Goals. He is currently serving as a lead author for the sixth assessment report of the Intergovernmental Panel on Climate Change (Chapter 17).

Dr. Hassen KCHIH

Dr. Hassen KCHIH is an Air Quality Monitoring Senior Engineer currently serving as Ambient Air Monitoring Section Head at Environmental Protection and Control Department (EPCD), Royal Commission Jubail and Yanbu (RC), Kingdom of Saudia Arabia. He has 18 years of experience in Ambient Air Quality Monitoring and Stack testing. Dr.Hassen specializes in Technical Management of Air Quality Monitoring Stations according to USA-EPA standards and operating the Meteorological stations, Air Quality Reporting, and QA/QC Validation. He provides a technical advice and recommendations to execute the

overall air quality monitoring program requirements including sampling, testing and interpretations of data and reporting. He earned his Ph.D. from University of Tunis in the area of Air Quality Analysis.

Prof. Jalal Halwani

Professor Jalal Halwani a well-recognized Lebanese expert in water and environment with more than 25 year's experiences in capacity building and institutional development related to water and environment in Lebanon.

He is Professor in Water and Environment Science in Lebanese University since 1992. He is Founder and Head of Environment & Health Department since 2004, and Water & Environment Science Laboratory since 2008.

Jalal Halwani is Founder & President of the Lebanese Committee of Environment & Sustainable Development since 2004 and Legal Expert in water and environment and Independent Environmental Consultant and Certified Trainer in Lebanon and Saudi Arabia on water and environment issues.

He has been involved in air pollution, water & wastewater issues, water resources characterization, Protected Areas Management, preparation of environmental valuation studies, solid waste management. He is author of more than 50 refereed scientific papers.

Dr. Foued EL AYNI

Dr. Alayni Foued is a PhD in Chemistry (Specialized in Environment and Water quality) and Chemical Engineer with a Master degree in Industrial Chemistry. He has 18 years of professional experience in Water and Environment field at the International Center for Environmental Technologies of Tunis (CITET), the French Development Agency (AFD) and the Islamic World Educational Scientific and Cultural Organization (ICESCO). Dr.Foued EL AYNI has published several international papers in International reviews related to Water and Environmental issues and has a wide experience in teaching university students in this field.

Prof. Jacob Ademola Sonibare

Prof. Jacob Ademola Sonibare is an Air Quality Specialist, Noise Expert, Life Cycle Analyst. He received his PhD in chemical engineering from Obafemi Awolowo University, Ile-Ife, Nigeria. He has been a professor in the same department with over 18 years' experience in teaching and research. Presently, Prof. Sonibare has 80 publications in scientific journals and more than 230 technical reports resulting from his activities as a consultant on Air quality and life cycle analysis. He is a certified engineer.

Mr. Abid Omar

Mr. Abid Omar founded the Pakistan Air Quality Initiative in 2016 to engage the community in key cities of Pakistan to collect and share data using a network of real-time air quality sensors. This data has immense potential to impact environmental change. He has trained as an Engineer, and currently works as an entrepreneur by day in the fashion and textile industry.

Prof. Gabriel Filippelli

Professor Gabriel Filippelli is a bio-geochemist, focusing on the flow and cycling of elements and chemicals in the environment. This includes his work on pollutant distribution and exposure to human populations, and ways to engage communities to reduce their own exposures. He is the U.S Department of State Air Quality Fellow.

He directs the Center for Urban Health and is the editor-in-chief of GeoHealth. He has well over 100 publications, ranging from technical scientific reports to essays for broader audiences. He is funded by multiple private and federal agencies and frequently speaks on topics including climate change and children's health.

Mr. Hassaan Sipra

Mr. Hassaan Sipra is currently serving as a Senior Research Officer in Department of Management Sciences and affiliated with Centre for Climate Research and Development (CCRD) at COMSATS University Islamabad, with a focus on climate, sustainability and the environment. He holds a Master's in Environmental

Management from Yale School of Environment, and is a former Yale Law School Gruber Fellow on Global Justice and Women's Rights, a former Andrew Sabin International Environmental Fellow, and a former Environmental Defense Fund Climate Corps Fellow.

PROGRAMME



Ambassador Shahid Kamal
Head CCCS



Prof. Raheel Qamar
Head of Science & Technology Sector, ICESCO



Mr. Hassaan Sipra
Moderator



Dr. Muhammad Sharif
Advisor Science and Technology, ICESCO

03:30-03:35 - Opening Remarks by Ambassador Shahid Kamal, Head CCCS

03:35-3:40 - Message by Prof. Raheel Qamar, Head of Science & Technology Sector, ICESCO

**Technical Session
03:40-04:35 (07 min. for each panelist)**

Mr. Johann Antoine, Research Scientist, Section Head - Nuclear Analytical Lab, International Centre

for Environmental and Nuclear Sciences, University of the West Indies, Jamaica

Dr. Eric Zusman, Senior Policy Researcher, Institute for Global Environmental Studies (IGES) in Hayama, Japan

Dr. Hassan KCHIH, Head of Air Monitoring Section, Environmental Protection & Control Department (EPCD), Royal Commission Jubail and Yanbu (RC), Kingdom of Saudi Arabia

Prof. Dr. Jalal Halwani, Head of Health & Environment Master, Director of Water & Environment Lab, Lebanese University, Tripoli, Lebanon

Dr. Foued El Ayni, Environmental Expert at Directorate of Science & Technology of the Islamic World Educational, Scientific and Cultural Organization (ICESCO), Morocco

Prof. Dr. Jacob Ademola Sonibare, Professor Chemical Engineering, Obafemi Awolowo University, Nigeria

Mr. Abid Omar, Founder, Pakistan Air Quality Initiative (PAQI)

Prof. Dr. Gabriel Filippelli, Indiana University-Purdue University, Indianapolis (IUPUI), USA

04:35-5:00 - Panel Discussion

05:00-05:10 - Q&A

05:10-05:15 - Closing Remarks - Dr. Muhammad Sharif, Advisor Science and Technology, ICESCO