

23 OCTOBER 2024 | 1:00 PM ET

Science & Society Dialogues Series

Intersections between Science & Society and Atmospheric Sciences

Members of the AGU Science and Society section often work at the intersection of another of AGU's sections. This jointly-organized webinar highlights the ways in which research in atmospheric sciences is informed by connections between science and society. This will be an online panel discussion with three researchers whose work bridges science and society and atmospheric sciences.



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Jan-Michael Archer University of Maryland

Jan-Michael Archer is an anti-capitalist, anti-imperialist labor organizer and PhD Candidate at the University of Maryland School of Public Health. He has worked on several projects employing low-cost sensors and community-engaged methods to collaborate with residents in environmental justice communities who are regularly overburdened by toxic air pollution. More recently, Jan has focused on cumulative impacts policy with a goal of promoting more rigorous multi-pollutant monitoring and stricter air permitting regulation.

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Genie Lorenzo University of Miami

Genie Lorenzo recently completed an Atmospheric Sciences PhD at the University of Arizona and is now a postdoctoral associate at the University of Miami where she studies aerosol particles and cloud data from ground sensors, aircraft, and satellites. Genie is from the Philippines, where she worked with Manila Observatory on air quality and extreme weather research and where she learned to connect science to everyday life. Genie hopes that sharing her research with the general public, especially disadvantaged communities and students, will foster communal engagement and growth in appreciation and responsibility over our shared atmosphere.



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Katelyn Rediger Colorado State University

Katelyn is a fourth year PhD candidate in the department of Chemistry at Colorado State University in Fort Collins, Colorado. Katelyn was a part of a field campaign in Mineola, NY in the summer of 2023 where she spent six weeks doing online atmospheric measurements. Her research is based on analysis of this dataset to better understand anthropogenic influences on air quality in a marine urban environment– asking, more particularly, if household cleaning, personal care and other consumer products are emitted at high enough concentrations to compete with other, more traditional emissions from the transportation sector, industry and the ocean. In her free time, Katelyn likes to bake, dance, bike, and spend time with her rabbit, Luna.



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Gaige Kerr
George Washington University

Dr. Gaige Kerr (he/him) is an Assistant Research Professor and Professorial Lecturer in the Department of Environmental and Occupational Health at George Washington University. His research portfolio focuses on environmental health and equity issues associated with emissions and ambient air pollution.



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