

## **Presentation Title:** Perceptions of Warning Information Sources From a Global Dataset



**George Karagiannis, CEM** is the Risk and Resilience Director at the International Coalition for Sustainable Infrastructure. George has been an emergency manager for 17 years and has worked in seven countries in Europe and Asia. He previously was the Director of the Engineering Leadership Group at Resilience First, the world's largest not-for-profit business resilience network, with a membership of over 600 global companies. From 2019 to 2022, he was Greece's Deputy Secretary-General for Civil Protection. From 2016 to 2019, he was Technical Officer at the European Commission Joint Research Center. He teaches emergency and crisis management at universities in France and Greece. George earned his Doctorate in Environmental Science and Engineering from Saint-Etienne School of Mines in France. He also holds degrees in Civil Engineering, Disaster Management and Business Administration, and was the first international alumnus of FEMA's Vanguard Executive Crisis Leaders Fellowship. He has been a Certified Emergency Manager since 2019, was a Scholarship Commission Member from 2021 to 2022, served in the Certification Exam Development Panel in 2022, and is currently a Certification Commissioner.

**Emma Pearlstone** is a strategic engagement professional with experience advancing climate adaptation, urban resilience, and climate migration initiatives. She most recently served as a Technical Advisor for the Coalition for Disaster Resilient Infrastructure, where she developed national government guidance on managing extreme heat in public transport systems. Previously, she led strategic outreach at the International Rescue Committee, driving advocacy for humanitarian response efforts during the East Africa drought and Türkiye-Syria earthquakes. From 2018 to 2022, she held roles at the World Resources Institute, a global climate and development research institute. While at WRI, she managed engagement for the Global Commission on Adaptation, working to elevate the political visibility of adaptation and accelerate action worldwide. She later contributed to the Sustainable Cities Center, supporting local governments to integrate resilience strategies into urban planning. Emma holds a Master of Science in Disaster Risk and Resilience from University College London and a Bachelor of Arts in Political Science and International Development from Tulane University.



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### **About the Presentation**

How do people get information about impending disasters, and which information sources and communications pathways do they trust most? The Protective Action Decision Model suggests that warning recipients need to be exposed to information sources to receive warnings and that people differ in their preferences of and access to information sources and communications pathways. Despite a growing body of research on warning behavior, little is still known about which factors affect people's preference of and trust to warning information sources.

In this presentation, we draw on the Lloyd's Register Foundation World Risk Poll, a biennial, global risk perception survey. The 2021 survey was administered by Gallup in 120 countries, translated in more than 100 languages, and elicited upwards of 125,000 responses.

We first explore how the preferred and most trusted warning information sources and communications pathways vary across the world. Then, we investigate which demographic, cultural, socio-economic, and experiential factors affect the selection of and trust to warning information sources, using inferential statistical analysis. We will present the results of a mixed-effects, multi-level regression model to elucidate how strongly the variability lies within or across countries. Last, we focus on the United States, and we describe how people's selection of trust toward warning information sources varies in the country and by socio-demographic and disaster experience.