

COLLOQUIUM BY JOHN VANDENBERG

Connecting Research, Risk Assessment and Policy: Application to Air Quality Management

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Bio:

Dr. Vandenberg is National Program Director of the Human Health Risk Assessment program, and Director of the Research Triangle Park Division of the National Center for Environmental Assessment (NCEA), at the US Environmental Protection Agency. He has over 30 years of experience in environmental health risk assessment and is responsible for leadership, planning and oversight of EPA's Integrated Science Assessments for the major (criteria) air pollutants and Integrated Risk Information System (IRIS) assessments for high priority hazardous air pollutants, and for development of new risk assessment methodologies. In 2006, he was elected Fellow of the Society for Risk Analysis and in 2013 he was recipient of the Statesmanship Award, the highest award conferred by EPA's Office of Research and Development. He is an adjunct professor at the Nicholas School of the Environment at Duke University and received his B.A from the College of Wooster, Ohio, and the MS and PhD from Duke University in biophysical ecology.

Abstract:

Air quality management provides the greatest benefits to public health of any regulatory program in the United States. Based on a legal foundation that has rapidly evolved, a system of coordinated measures to attain and maintain acceptable air quality has been developed using a structured framework for air quality management. Quite different programs have been developed under this framework to address the unique characteristics of ozone, particulate matter and the other major air pollutants, to reduce risks from hazardous air pollutants, and to address acid rain concerns. In this presentation, an evaluation of these different programs will demonstrate how the research, assessment, and policy communities can work in concert to protect public health and the environment.