

METROPOLITAN WASHINGTON COUNCIL OF GOVERNMENTS
CLIMATE IMPACTS SYMPOSIUM SPEAKERS BIOS
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DONALD BOESCH, PhD, is a Professor of Marine Science and President of the University of Maryland Center for Environmental Science. Dr. Boesch is a biological oceanographer who has conducted research in coastal and continental shelf environments along the Atlantic Coast and in the Gulf of Mexico, eastern Australia and the East China Sea. He has published two books and more than 90 papers on marine benthos, estuaries, wetlands, continental shelves, oil pollution, nutrient over-enrichment, environmental assessment and monitoring and science policy. Presently, his research focuses on the use of science in ecosystem management. He is active in extending knowledge to environmental and resource management at regional, national and international levels. He has served as science advisor to many state and federal agencies and regional, national and international programs, and has chaired numerous committees and scientific assessment teams, including the Maryland Commission on Climate Change's Scientific and Technical Working Group. Dr. Boesch served on the National Research Council's Committee that produced the report America's Climate Choices. He presently is the Chair of the NRC's Ocean Studies Board.

ANTONIO J. BUSALACCHI, JR., PhD, is Director of the Earth System Science Interdisciplinary Center (ESSIC) and Professor in the Department of Atmospheric and Oceanic Science and at the University of Maryland. He also chairs the University of Maryland Council on the Environment. Antonio J. Busalacchi received his Ph.D. degree in oceanography from Florida State University in 1982. He began his professional career that year at the NASA/Goddard Space Flight Center. His research has supported a range of international and national research programs dealing with global change and climate, particularly as affected by the oceans. In 1991, he was appointed as Chief of the NASA/Goddard Laboratory for Hydrospheric Processes, and member of the Senior Executive Service. In year 2000, he was selected as the founding director of ESSIC at the University of Maryland. Dr. Busalacchi has been involved in the activities of the World Climate Research Program (WCRP) for many years and currently is chair of the Joint Scientific Committee that oversees the WCRP. Dr. Busalacchi currently serves as chair of the NRC's Board on Atmospheric Sciences and Climate and he also serves on the Committee on the Assessment of NASA's Earth Science Program.

LAURENS VAN DER TAK, P.E., D. WRE, is a Vice President and Principal Water Resources Engineer with CH2M HILL in Silver Spring, Maryland. He is CH2M HILL's Deputy Director for Water Resources and Ecosystems Management. He serves as CH2M HILL's Technology Lead for Climate Change Adaptation services. He has 24 years experience on projects involving climate change adaptation; hydrologic, hydraulic and water quality monitoring and modeling; stormwater and watershed management; wastewater collection systems; water resource systems; and GIS applications. He is a member of AWWA, WEF, AWRA and IWA and is the Chair of AWWA's Climate Change Committee. He has a B.A. in biology and a B.S. in agricultural engineering from Cornell University, an M.S. in agricultural engineering from the University of California at Davis, and an Engineer Degree in civil engineering from the Massachusetts Institute of Technology.

JESSICA GRANNIS is the author of the *Adaptation Tool Kit: Sea-Level Rise and Coastal Land Use* published in 2011 by the Georgetown Climate Center. She is a Staff Attorney and Adjunct Professor at the Harrison Institute for Public Law at Georgetown University Law Center, which is looking at strategies to help state and local governments adapt to climate change impacts. Prior to joining the Harrison Institute, she was staff counsel for two California state agencies, the State Coastal Conservancy and the Ocean Protection Council, where she helped in the drafting of the coastal chapter of the state's adaptation strategy. She holds a bachelor's degree from the University of Chicago, a law degree from University of California Hastings, and a masters in law from Georgetown University Law Center.

ROB KAFALENOS is an Environmental Protection Specialist on the Sustainable Transport and Climate Change team, part of the Office of Natural Environment at the Federal Highway Administration. He works primarily on policy and research focused on climate change adaptation, and currently manages Phase 2 of the *Gulf Coast Study*, a research effort to assess transportation's climate vulnerability in Mobile, Alabama. He holds a Master's in Environmental Management from Duke University.

JULIA KOSTER, AICP, is the Director of Intergovernmental Affairs Planning Division for the National Capital Planning Commission. Julia Koster is a city planner with expertise in smart growth and environmental issues. Prior to joining the agency, she was the development coordinator for the Governor's Office of Smart Growth in Maryland. Ms. Koster received a master's degree in Urban Planning from the Harvard University Graduate School of Design.

RAYMOND NAJJAR, PhD, is a Professor of Oceanography with the Department of Meteorology at The Pennsylvania State University. Dr. Najjar was a member of the multi-disciplinary research team that recently undertook a Pennsylvania climate impacts assessment under the auspices of the state, and earlier served in a similar capacity with the Mid-Atlantic Regional Assessment (MARA) and the Consortium for Atlantic Regional Assessment (CARA)—projects that provided climate information to stakeholders in the Mid- and Upper-Atlantic Regions of the United States. Dr. Najjar's research ranges from the marine carbon cycle to the impact of climate change on coastal regions and their watersheds.

WADE SMITH, PhD, works for Noblis, Inc. in Falls Church, VA as an environmental scientist. His civic activities have included serving as president of McLean Hamlet Citizens, board member of the Fairfax County Federation of Citizens Associations, board member of the McLean Citizens Association, President of the Fairfax Committee of 100, president of the Bulls Neck Run Conservancy, member of the vestry of St. Thomas Episcopal Church in McLean, and board member of Samaritan Ministry of Greater Washington. He has lived in Fairfax County for 32 years. For much of that time, he worked in Tysons Corner for The MITRE Corporation and Noblis, Inc.