

## **SPEAKERS:**

**Donald "Don" Boesch, PhD:** *President, University of Maryland Center for Environmental Science; Professor, Marine Science, UMD; Chair, National Research Council's Ocean Studies Board.*

**Antonio "Tony" Busalacchi, Jr., PhD:** *Director, University of Maryland (UMD) Earth System Science Interdisciplinary Center; Professor, UMD Department of Atmospheric and Oceanic Science; Chair, UMD Council on the Environment; Chair the National Research Council's Board on Atmospheric Sciences and Climate.*

**Ray Najjar, PhD:** *Professor of Oceanography, Department of Meteorology, Pennsylvania State University.*

**Wade Smith, PhD:** *Environmental Scientist, Noblis, Inc.*

**Julia Koster, AICP:** *Director, Intergovernmental Affairs Planning Division, National Capital Planning Commission.*

**Kambiz Agazi,** *Environmental Coordinator, Fairfax County, VA*

**Laurens van der Tak, P.E., D. WRE:** *Vice President, Principal Water Resources Engineer, and Deputy Director for Water Resources and Ecosystems Management, CH2M HILL; Chair, AWWA Climate Change Committee.*

**Jessica Grannis,** *Staff Attorney and Adjunct Professor, Harrison Institute for Public Law at Georgetown University Law Center*

**Robert Kalafenos,** *Environmental Protection Specialist, Sustainable Transport and Climate Change team, Office of Natural Environment, Federal Highway Administration.*

**Stuart Freudberg,** *Director of Environmental Programs, Metropolitan Washington Council of Governments*

# CLIMATE IMPACTS SYMPOSIUM

MAY 21, 2012



A WORKSHOP FOCUSING ON THE PLANNING IMPLICATIONS  
OF POTENTIAL CHANGES IN PRECIPITATION PATTERNS,  
SEA LEVEL RISE, FLOODING, AND WATER QUALITY  
IN THE NATIONAL CAPITAL REGION



**CLIMATE IMPACT SYMPOSIUM  
MONDAY, MAY 21, 2012 -AGENDA AND SPEAKERS**

**DATE:** Monday, May 21<sup>st</sup>, 2012  
**TIME:** 10 am-3 pm  
**LOCATION:** Metropolitan Washington Council of Governments (COG), Board Room 3rd Floor

[COG's Climate Impact Symposium & RSVP](#)  
*Please RSVP by May 16th*

*Note: This event is intended for COG's members and affiliates. Others may attend on a space-available basis.*

**QUESTIONS TO BE ADDRESSED:**

What are actual data trends telling us and what do modeling results predict about the effects of climate change in the metropolitan Washington region?

How can climate trends be incorporated into water, land use, and transportation planning in the region?

What are the next steps moving forward to improve climate resilience in the region?

**10:00 AM**

**WELCOME REMARKS**

Stuart Freudberg, Metropolitan Washington Council of Governments

**10:15 AM**

**MORNING SESSION: CLIMATE CHANGE IN THE REGION**

What are actual data trends telling us and what do modeling results predict about the effects of climate change in the metropolitan Washington region?

**Dr. Don Boesch, Center for Environmental Science, University of Maryland**

Overview of the evidence base for global and national trends in temperature, precipitation, and sea level, and implications for the Chesapeake Bay/Potomac watersheds.

**Dr. Antonio Busalacchi, Earth System Science Interdisciplinary Center (ESSIC), University of Maryland**

Overview of climate modeling tools, and potential applicability for downscaling results to the Chesapeake Bay/ Potomac watersheds.

**Dr. Ray Najjar, Pennsylvania State University (PSU)**

Summary of climate change impacts expected in the Mid-Atlantic and the Chesapeake Bay, and precipitation projections analyzed for the state of Pennsylvania.

**Dr. Wade Smith, Noblis**

Review of what modeling predicts for sea level rise, storm surge, and stream flooding in the Potomac.

**NOON**

**LUNCH PRESENTATION: Julia Koster, National Capital Planning Commission** Federal Government research, planning and decision-making: A focus on potential flooding in the Downtown Washington Area.

**1:00 PM**

**AFTERNOON SESSION: PLANNING IMPLICATIONS TO MULTIPLE SECTORS**

Moderator: Kambiz Agazi, Environmental Coordinator, Fairfax County, VA

How can climate trends be incorporated into water, land use, and transportation planning in the region?

**Laurens van der Tak, CH2M Hill**

The impact of changing precipitation patterns and tide levels on drainage and stormwater management design in Alexandria, and implications for the COG region.

**Jessica Grannis, Georgetown Climate Center**

Feasible land use strategies to address sea level rise in VA, DC and MD.

**Robert Kafalenos, US DOT Federal Highway Administration**

Potential mid-Atlantic impacts of climate change on transportation infrastructure and implications transportation planning.

**2:30 PM**

**DISCUSSION AND CONCLUSIONS**

What are the next steps moving forward to improve climate resilience in the region?