

Building a Climate Resilient National Capital Region

Preparing for Climate Change Requires Regional Coordination

The Washington, DC area is already experiencing the effects of climate change, including more frequent extreme weather events, rising temperatures, and recurring flooding. Climate scientists project that these changes will continue and impact residents and workers; real estate assets; business, government, and institutional operations; and natural resources. Further, Washington's core holds a unique concentration of federal buildings, irreplaceable cultural and historic treasures, and nationally-significant monuments and landscapes.

Federal, regional, and local organizations now have an opportunity to work together, share technical information, and collaborate on climate adaptation strategies tailored to the National Capital Region. Stewardship of the region's resources requires coordinating policy, tools, information, and expertise with others. Many federal, regional, and local agencies are individually exploring climate adaptation strategies for land, buildings, transportation and infrastructure. However, no single entity can address all its climate change risks without working with other area organizations.

Help Your Agency Prepare: Attend Upcoming Webinars and Workshops

Starting this fall NCP, GSA, NASA, MWCOG, and the Smithsonian Institution are sponsoring free invitation-only webinars and workshops to assist your agency's climate adaptation planning and improve regional coordination.

Webinars

- Agency point of contact orientation on scope and activities
- Climate science and expected regional climate change impacts

Collaborative Workshops

- Series 1: Built Environment
- Series 2: Workforce, communities, and the natural environment

Participants will be equipped to:

- Understand what climate trends and risks to expect.
- Assess organizational impacts.
- Explore a range of adaptation responses/actions.
- Prioritize appropriate action and develop near- and long-term adaptation strategies.
- Incorporate climate criteria into existing workforce, built environment, and natural resources management plans.

Participants will also:

- Learn from climate experts.
- Gather best practices in climate adaptation strategies
- Learn how other organizations' climate adaptation efforts relate to their own.
- Help identify needed information and available resources.

"We've got to build smarter, more resilient infrastructure that can protect our homes and businesses, and withstand more powerful storms..."

"We'll partner with communities seeking help to prepare for droughts and floods..."

"And we'll also open our climate data and NASA climate imagery to the public..."

President Barack Obama, speech on climate change at Georgetown University, June 25, 2013



Flooding in Washington's monumental core (above) and Old Town Alexandria (below) damaged buildings, disrupted operations, and required substantial investments for repair and protection.



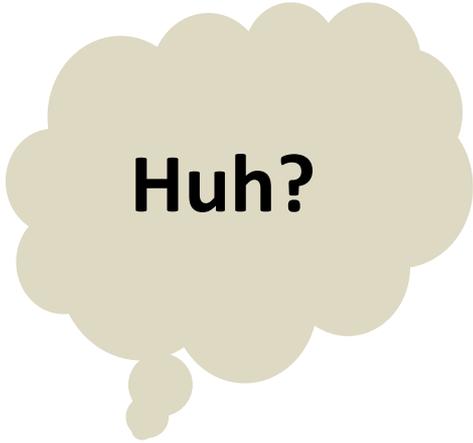
For more information visit:
www.npc.gov/climate

Orientation Webinar Scope & Activities

Kim Toufectis (NASA)
Christina Hudson (SAIC/Leidos)

September 12, 2013





You are your organization's point of contact!

?????

How did I get so lucky?

Today's Agenda

- Introduce core planning team
- Share a vision
- Announce upcoming webinars and workshops
- Let you know how you (and others) can participate
- Answer questions

Core Planning Team



National Capital Planning Commission (NCPC) – Amy Tarce



GSA – Ann Kosmal and Robin Snyder



NASA – Kim Toufectis and Sam Higuchi



Metropolitan Washington Council of Governments (MWCOCG) – Amanda Campbell



Smithsonian Institution – Ann Trowbridge



Vision:

**Climate resilient National Mall and
National Capital Region (NCR)
for future generations.**

How?

**Build upon science-informed
planning and decision making and
sound risk management.**

An aerial photograph of Washington, D.C., showing the U.S. Capitol building in the foreground with its prominent white dome, the National Mall with its green lawns and yellow paths, and the Washington Monument in the background. The city's architecture and greenery are visible throughout the scene.

Objectives of the Resilient National Capital Effort

1. Build capacity, capability and confidence
2. Create networks and partnerships
3. Encourage proactive adaptation planning

We are all trying to figure out how to:

- Acquire useful climate information
- Address current climate-related risks
- Characterize future climate risks
- Develop long-term, strategic adaptation strategies
- Integrate climate considerations into plans, decision-making processes and culture
- Avoid reinventing the wheel

.....with our organization's
MISSION and GOALS in mind.

Planned Interactions (REVISED 9/19/2013)

9/12: POC
Orientation

9/20, 10-Noon Webinar: Climate Science Intro

9/26, 9-11am Webinar: Characterize Risks

10/23, COB: Vulnerabilities
“homework” due

September

October

November

December

10/30 all-day Workshop:
Risks and Vulnerabilities

~12/2-12/4 Workshop: Adapting Built Systems

Events continue in 2014...

Climate Science Intro Webinar

Friday, September 20, 2013
10 – Noon EST

- **Cynthia Rosenzweig, Ph.D.**,
Leader of Climate Impacts
Research Group at NASA's
Goddard Institute for Space
Studies and Co-Chair New York
City Panel on Climate Change
- **Olga Dominguez**, Assistant
Administrator, NASA
Headquarters, Office of Strategic
Infrastructure

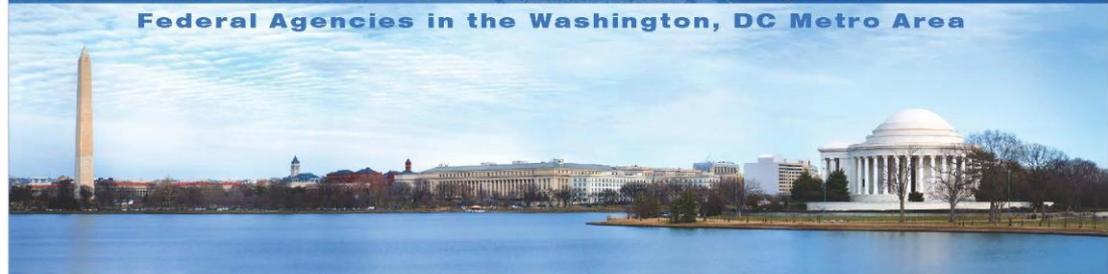
➤ **Review NASA
DC Climate Handout**

**Building a Climate Resilient
National Capital Region**

National Aeronautics and Space Administration



ADAPTING TO A CHANGING CLIMATE
Federal Agencies in the Washington, DC Metro Area



NASA DC Climate Handout available:
www.ncpc.gov/climate

Characterize Risks

Webinar

Wednesday, September 25, 2013
10 – Noon EST

- Set up Storyline - It's **2065...**
 - **2 climate variables:**
 - *Increasing temperatures*
 - *Sea level rise & flooding*
 - **Built assets**
- **Review method to capture common risks / vulnerabilities and current activities**



Vulnerabilities
“Homework”

- ❑ Start thinking about who should be involved and attend this Webinar:
 - Ability to teach others within organization to prepare for:
 - **Top 4 Risks due 10/23/13**
 - **Vulnerability Sharing Workshop on 10/30/13**
 - Familiar with your organization:
 - Impacts and experiences thus far
 - How impacts have been addressed
 - Planned activities

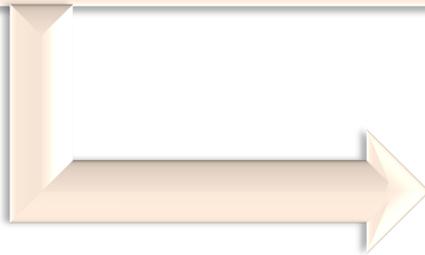


Vulnerabilities “Homework”

Each organization identifies top 4 risks

- Built asset
- Climate variable
- Current and planned activities

DUE Wednesday, October 23, 2013



Risks and Vulnerabilities Workshop

Wednesday, October 30, 2013

8:30 – 4:30

NCPC

- Review consolidated risks / vulnerabilities
- Collectively agree on common risks
- In groups, develop topics to address in Adaptation Strategies Workshop (**Dec 2013**)

Adapting Built Systems

Workshop

1-2 days - December 2 - 4, 2013

GSA

**Focus: Built asset topics identified by groups at
Risks & Vulnerabilities Workshop**

- What are adaptation strategies for long-term sustainability?
- How can we invest wisely together?
- What are the priority activities that should take place:
 - immediately?
 - by the end of 2016?
 - by the end of 2030?Both for your agency/org and with the other participant orgs?

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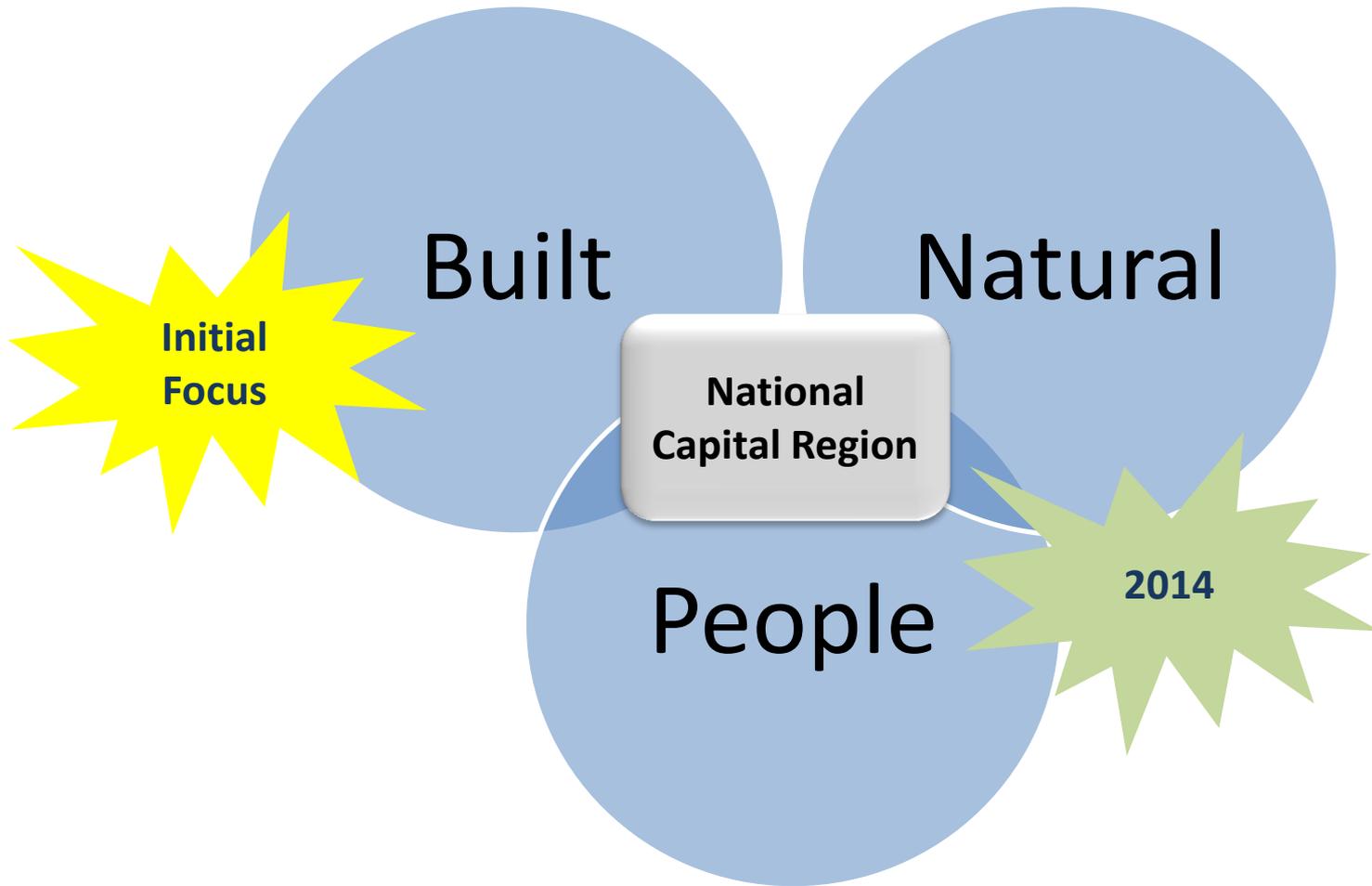
December

10/30 all-day Workshop:
Risks and Vulnerabilities

~12/2-12/4 Workshop: Adapting Built Systems

Events continue in 2014...

Necessary Support Systems for Any Community



Built Environment Examples

- Buildings
 - Office
 - Museum
 - Residential
 - Laboratory
- Utility systems
 - Electricity
 - Water
 - Wastewater
 - Natural gas
 - HVAC
 - Steam
- Transportation systems
 - Roads / bridges
 - Rail / Metro
 - Air travel
 - Water travel
- Government services
 - Solid waste

What to do next?

- ❑ Print out “Planned Interactions” slide (when you receive this briefing)
- ❑ Start identifying people in your organization to participate
- ❑ Identify those who might be interested in *Climate Science Intro Webinar* → forward the Outlook invite when received
- ❑ Identify 1-3 people to attend *Characterize Risks Webinar* and help with *Vulnerabilities Homework* (you will populate a spreadsheet)
- ❑ Put all Webinar and Workshop dates on your calendar and others
- ❑ If you’re not the right POC for your organization – notify Amy Tarce (NCPC) or Amanda Campbell (MWCOC)
amy.tarce@ncpc.gov acampbell@mwco.org

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Back up

List of Webinar Attendees

(alphabetical by organization)

(not part of planning team)

First Name	Last Name	Organization
Alesia	Call	Architect of the Capitol
Allan	Rowley	Arlington County
Rich	Dooley	Arlington County
Khoa	Tran	City of Alexandria
Tanya	Stern	DC Office of Planning
John	Heermans	DDOE
Phetmano	Phannavong	DDOE
Bucky	Green	EPA
Andrea	Freeburg	Federal Aviation Administration
Mark	Crowell	FEMA
Jonathan	Herz	HHS

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(not part of planning team)

First Name	Last Name	Organization
Kristen	Hamilton	NPS National Mall and Memorial Parks
Sean	Kennealy	NPS National Mall and Memorial Parks
Shirley	Harmon	PEPCO
Daniel	Collinge	US Department of the Interior
Eric	Bradley	US Department of the Treasury
Scott	Canty	US Department of the Treasury
Louis	Naber	US DOJ
Emily	Seyller	US Global Change Research Program
Ed	Murtagh	USDA
Kathryn	Zook	USDA

Core Planning Team – Contact Info

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Sam Higuchi, 202-358-0149, shiguchi@nasa.gov
- MWCOCG – Amanda Campbell, 202-962-3324,
acampbell@mwccog.org
- Smithsonian Institution – Ann Trowbridge, (202) 633-6555,
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Working with Core Planning Team – Contact Info

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 - Kim Gotwals, 919-401-4643, kimberly.b.gotwals@saic.com
 - Sarah Lynagh, 703-676-5645, sarah.b.lynagh@saic.com
- BAH –
 - Christine Mataya, 202-294-4833, mataya_christine@bah.com
 - Sarah Burgess-Herbert, 703-624-1989, burgess-herbert_sarah@bah.com