

**Water Resources Adaptation to Climate Change Workgroup (WRACCW)
November 27 1pm ET**

Attendees:

- Bilal Ayyub (ba@umd.edu)
- Aris Georgakakos
- Adrienne Bartlewitz
- Carol Collier
- Craig Zamuda
- Deirdre Mason
- Erica Brown
- Janet Cushing
- Jeff Manning
- Jerad Bales
- Jimmy Hague
- John McShane
- Karen Metchis
- Kate White
- Lisa Engelman
- Mary Musick
- Melissa Samet
- Mike Trombley
- Mitch Heineman
- Mohammed
- Nancy Turyk
- Shana Udvardy
- Stacey Archfield

Discussion

- Jerad mentioned that the call for ACWI membership is out. The membership is with the organization and not the person. If you are interested, please contact Adrienne Bartlewitz at abartlewitz@usgs.gov.
- Karen Metchis gave an update on EPA work and the National Climate Assessment
 - Vol. II of the Fourth National Climate Assessment, Impacts, Risks, and Adaptation in the United States, was released on Friday, November 23rd.
 - Explore the report online or download it at <https://nca2018.globalchange.gov/>
 - An executive summary and PowerPoint presentation are provided for each Regional Chapter at this link: <https://nca2018.globalchange.gov/downloads>
 - Also, note the upcoming web series by Dr. Katharine Hayhoe, Global Weirding: Season 3 of the PBS Digital Series. Global Weirding will have 5 episodes on the NCA regions (two regions per episode, covering the Northeast, Southeast, Midwest, Southern and Northern Great Plains, Southwest, Northwest, Alaska and the islands). A new episode will be released every other week beginning Dec 12. The videos will

be available on YouTube and Facebook and are free for anyone to use and share, no permission needed

- The USGCRP Integrated Water Cycle Group (IWCG) is in the early stages of planning some workshops and webinars, including an expert workshop on precipitation statistics, a risk communication webinar series, and an integrated modeling workshop. We will keep members apprised of progress and chances to provide input
- Jerad Bales noted that we were still in dialogue with GCRP as to whether and how this group can provide input to the IWCG.
- EPA has published online a new manual for NPDES permit writers on how to use the new USGS Surface Water Toolbox, here: <https://www.epa.gov/npdes/low-flow-statistical-tools-handbook>
- Presentation was given by Bilal Ayyub
 - Questions:
 - In the manual did you address green infrastructure at all?
 - It is in chapter 7.
 - What are the costs associated with the green infrastructure?
 - We did do some work on this. We have some coverage on economic evaluation but it's introductory in nature.
 - Would it be possible for you to circulate the USACE report that has the economic cost/benefit information?
 - Not released yet. The focus of the report is on measuring performance for assessing resilience.
 - Has any downscaling work been done?
 - The manual has some coverage in chapter 2 and more coverage in chapter 8.
 - Do any of these standards in your presentation get into flood standards; building heights to avoid future flood?
 - Yes, they do.