

Subcommittee on Spatial Water Data

Meeting Details:

Date/Time: August 24, 2018, 1:00 - 2:00 PM Eastern Time

Location: Teleconference only (administered from USGS Headquarters, 12201 Sunrise Valley Drive, Reston, VA 20192)

Join from PC, Mac, Linux, iOS or Android: <https://zoom.us/j/7055398097>

Or Telephone:

Dial(for higher quality, dial a number based on your current location):

US: +1 669 900 6833 or +1 646 558 8665

Meeting ID: 705 539 8097

NOTE: THIS WEBEX WEB MEETING WILL BE RECORDED TO AID IN NOTE TAKING. THE NOTES ARE THE OFFICIAL MEETING RECORD.

Agenda

All Times Eastern Time Zone

1:00 - 1:05 Introductions for new attendees

1:05 - 1:25 "Marketplace" Work Group

1:25 - 1:35 Open Discussion

1:35 - 1:55 NHDPlus HR Update

1:55 - 2:00 Adjourn

Attendees

New Attendees

Candice Hopkins, USGS, ACWI Exec Sec (chopkins@usgs.gov)

Colin Smalley, USACE ()

Angelica Gutierrez, NOAA, angelica.gutierrez@noaa.gov

Returning Attendees

Al Rea, USGS (ahrea@usgs.gov)

Sara Larsen, WSWC (saralarsen@wswc.utah.gov)
Jane Schafer-Kramer, CA DWR (jane.schafer-kramer@water.ca.gov)
Adel Abdallah, WSWC (amabdallah@aggiemail.usu.edu)
Sandra Fox, AWRA (sfox@sjrwmd.com)
Sarah Brennan, NASA, Booz Allen (sarah.brennan@nasa.gov)
Terra Haxton, US EPA (haxton.terra@epa.gov)
Jennifer McGee, Wood (jenna.mcgee@woodplc.com)
Steve Kopp, Esri, skopp@esri.com
Jim Kreft, USGS, jkreft@usgs.gov
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Mike Eberle, USFS, mbeberle@fs.fed.us
Tad Slawecki, LimnoTech, tad@limno.com
Sue Buto, USGS, sbuto@usgs.gov
Kelly Bennett, kbennett@b3insight.com

1:00 - 1:05 Introductions for new attendees

1:05 - 1:25 “Marketplace” Work Group

Making data/tools/information more findable through search engines.

A concept - for a given HUC or other spatial feature, be able to link to/easily find all of the related data. Exploit NHD as a basis for organizing/finding data? Tie to Internet of Water? What's an example Google (?) search we want to have work? What should the result of the search be?

[Draft charter for group](#)

Short discussion. How to present information. Understandable. Useful form. Water quality portal station pages. How to present, e.g. which sites have nutrient analyses.

We need a “Water.gov” domain. Internet of water. Shared tools and framework?

What sort of data?

- Network linked data Index (NLDI) - where can that live?
- Current site tied to USGS organization that no longer exists (<https://cida.usgs.gov/nldi>)
- Should it be a USGS domain? Something else?

- Aspen Institute proposed establishing “Internet of Water” group that would organize. Broader than just government. That group is starting to organize.
- geoplatform.gov/inlandwaters?? This might exist now. Is it the right place to host the NLDI infrastructure
 - Based NHDPlus (V2 right now) network
 - Network navigation up/downstream
- Need a place to host indexes and tools that can be cross-organizational and can last a long time
- Reservoirs data, water use and availability data, water distribution networks, canals
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Use cases (“for water professionals”?)

- Referencing data to network
- Navigation on network
- Discovering other referenced data
- Web-based approach (rather than GIS desktop approach)

If you are interested in joining: email jkreft@usgs.gov

1:25 - 1:35 Open Discussion and Announcements

Joint Federal Interagency Sedimentation Conference (FISC) and Federal Interagency Hydrologic Modeling Conference (FIHMC) (SEDHYD). Abstracts are due **September 1st**.

The theme of this year’s conference is “Improving Resiliency and Sustainability of Watershed Resources and Infrastructure” The conference will be held in Reno, NV, June 24-28, 2019. More information on the conference and solicited themes can be found in the attached call for papers or on the [conference website](#).

National AWRA Conference Nov 4-8, Baltimore
<https://www.awra.org/meetings/Baltimore2018/index.html>
 Sessions and agenda already posted on the website

National Water Quality Monitoring Conference March 25-29, 2019, Denver
 Abstracts Due - September 14th!
<https://acwi.gov/monitoring/conference/2019/index.html>

AMS Special session on Hydrology
<https://annual.ametsoc.org/index.cfm/2019/>

Remote Sensing and Water Prediction Session:

The global scope of many remote sensing satellite platforms and products facilitates routine monitoring of water resources, deficits and extremes, and monitoring of hydrological processes in regions of sparse observational networks and across political or socioeconomic boundaries.

These remote sensing observations can be used in applications related to minimizing basin and regional risk; informing policies to enhance the sustainability of water resources, and supporting capacity building of individuals and institutions through regional programs and alliances. This session will familiarize participants with the work of GEO Global Water Sustainability (GEOGLOWS) program, which brings together experts who can contribute the knowledge to support water management by focusing on the analysis and applications of Essential Water Variables (EWVs). This session will also focus on how the data and methods from satellite remote sensors can be used to help to address the challenges associated with hydrological events across a variety of spatial scales, including interdisciplinary projects and research that address flash and river flooding, extremes associated with tropical cyclones, transboundary water monitoring and predictions, storm surge, tidal events, and impacts to coastal regions. We encourage submissions of research findings on flooding research contributing to and/or explaining the occurrence and magnitudes at any scale for any region of the world.

1:35 - 1:55 NHDPlus HR Update

Status map:

