

**MEETING OF THE
ADVISORY COMMITTEE ON WATER INFORMATION'S (ACWI)
SUBCOMMITTEE ON HYDROLOGY (SOH)
12:30 p.m. – 3:30 pm, Eastern Standard Time
Thursday Feb 6, 2014**

Location: *US Army Corps of Engineers, Headquarters (GAO building)
Conference room 6N71 441 G Street Washington DC 20548*
The facility is near the Judiciary Square Red-Line Metro Stop
*Please arrive in the USACE-HQ Lobby no later than 1215PM with Official Driver's
License or Federal Picture ID badge.*
Click on link for [directions](#).

Remote Instructions:

1. Please join meeting via PC: <https://www.webmeeting.att.com>
Meeting Number(s): 8773361839 or 6366510008
ACCESS CODE: 7993540
*Note: PC weblink for meeting will be open around 10-15 minutes prior to the
meeting. Please allow ample time to setup your computer.*
2. After connecting via computer, please dial the toll-free conference line: (877) 336-1839
USA Caller Paid/International Toll: (636) 651-0008
ACCESS CODE: 7993540 #

I. Final Agenda (subject to SOH Approval)
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| 1. Welcome and Background on SOH (5 mins) | Victor Hom |
| 2. Words from our Host (10 mins) | Chandra Pathak |
| <ul style="list-style-type: none">• <i>Logistics: Facilities, Emergency Exits, Internet Access</i>• <i>Introduction of Special Guests from USACE, Their Special Roles and Activities</i>• <i>Areas of USACE Mutual needs for SOH consideration</i> | |
| 3. Roll-Call (Remote Participants/In-Person Attendees) | SOH Members and Guests |
| <ul style="list-style-type: none">• <i>Please see registered attendees.</i> | |
| 4. Review and Approval of Agenda (2 mins) | Victor Hom |
| 5. Approval of the October 2013 Meeting Summary (2 mins) | Robert Mason |
| 6. Status of Action Items from Prior Meetings (5 mins) | Victor Hom |
| 7. Feature Presentation (~60 mins) | (1:05 – 2:05 PM) |
| <ul style="list-style-type: none">• <i>Guest Introduction</i> Victor Hom• Engineering Guidance Frame Work for Inland Hydrology Considering Climate Change
<i>Dr. David Raff, U.S. Army Corps of Engineers Institute of Water Resources</i>• <i>Questions/Answers/Discussion</i> All | |

8. **Announcements (10 mins)**

- [ASCE-EWRI 9th Weather Radar and Hydrology International Symposium](#)
Washington, DC April -7-10, 2014 Chandra Pathak
- [10th Annual Hydrologic Ensemble Prediction Experiment \(HEPEX\)](#)
College Park, MD - June 24-26, 2014 Victor Hom
- *Business Report (FERC)* Sam Lin
- *Business Report (NWS), See NWS Newsletter* Email from Victor Hom

BREAK (2:15 – 2:30 PM)

9. **News from the SOH Workgroups (30 mins)**

- *HFAWG, ESEWG, HMWG (Business Reports)* Will, Tom, and Claudia

10. **Review Actions and Plans for next SOH meeting (15 mins)**

Victor Hom

- *Next Meeting: Thursday May 1, 2014 from 1230PM to 330PM EDT (Tentative)*
- *Location: TBA*
- *Guest Speaker Topics? Suggestions? ACWI-SWRR? Hurricane Sandy?*

11. **Meeting Adjourn (Around 3:30 pm)**

II. Registered Attendees via [weblink](#)

SOH Member s, SOH WG, and Guests		Organization	Participation
David	Bylsma	US Environmental Protection Agency (USEPA)	<i>(In-Person)</i>
Siamak	Esfandiary	FEMA	<i>(In-Person)</i>
Claudia	Hoefl	U.S. Dept. of Agriculture, Natural Resources Conservation Service (NRCS)	<i>(In-Person)</i>
Victor	Hom	NOAA / National Weather Service	<i>(In-Person)</i>
Sam	Lin	Federal Energy Regulatory Commission (FERC)	<i>(In-Person)</i>
Chandra	Pathak	U.S. Army Corps of Engineers (USACE)	<i>(In-Person)</i>
Benjamin	Pratt	National Hydrologic Warning Council (NHWC)	<i>(In-Person)</i>

David	Raff	U.S. Army Corps of Engineers (USACE)	<i>(In-Person)</i>
Thomas	Nicholson	Nuclear Regulatory Commission	<i>(In-Person)</i>
Robert	Mason	U.S. Geological Survey (USGS)	<i>(In-Person)</i>
David	Wells	US Environmental Protection Agency (USEPA)	<i>(In-Person)</i>
Don	Woodward	Global Ecosystems Corporation	<i>(In-Person)</i>
SOH Member s, SOH WG, and Guests		Organization	Participation
Martin	Becker	Becker	<i>(phone)</i>
Lichuan	Chen	NOAA	<i>(phone)</i>
Doug	Clemetson	U.S. Army Corps of Engineers (USACE)	<i>(phone)</i>
Jerry	Coffey	OMB	<i>(phone)</i>
Melissa	Collard	CA Division of Water Resources	<i>(phone)</i>
Mike	Eberle	U.S. Forest Services	<i>(phone)</i>
Ted	Engman	NASA	<i>(phone)</i>
Ian	Ferguson	U.S. Bureau of Reclamation	<i>(phone)</i>
Larisa	Ford	U.S. Bureau of Land Management (USBLM)	<i>(phone)</i>
David	Goodrich	U.S. Dept. of Agriculture, Agricultural Research Service (ARS)	<i>(phone)</i>
Bill	Kappel	AWA	<i>(phone)</i>
Julie	Kiang	U.S. Geological Survey (USGS)	<i>(phone)</i>
Dongsoo	Kim	NOAA	<i>(phone)</i>

Lee	Koss	U.S. Bureau of Land Management (USBLM)	<i>(phone)</i>
William	Merkel	U.S. Dept. of Agriculture, Natural Resources Conservation Service (NRCS)	<i>(phone)</i>
Quan	Quan	U.S. Dept. of Agriculture, Natural Resources Conservation Service (NRCS)	<i>(phone)</i>
David	Raff	USACE-IWR DCR	<i>(in-person)</i>
Thomas	Roberts	Virginia DCR	<i>(phone)</i>
David	Sutley	FEMA	<i>(phone)</i>
Will	Thomas	Association of State Flood Plain Managers (ASFPM)	<i>(phone)</i>

III. ACTIONS

Recurring SOH ACTIONS	Assignment	Notes
SOH Members: Review meeting summary, provide business reports, and exchange information, such as published papers, call for abstracts, and related seminars/webinars especially in the DC area or accessible on line, so that SOH Vice-Chair can incorporate into meeting summary and proceedings.	SOH Members	Quarterly
Workgroup Chairs: Submit Workgroup quarterly reports.	SOH WG Chairs	Quarterly
SOH Chair: Setup next ACWI-SOH Quarterly Meeting.	SOH Members to consider 5/1/2014 for next SO H meeting; Possible location is FERC DC or FEMA VA	Quarterly Thanks, Sam and Siamak for offering to host May meeting

<p>SOH Chair: Arrange guest speakers.</p>	<p>Members recommended better understanding of how science aspects of hydrology and climate change affects the current and future built environment . USACE to provide briefing and present at next meeting .</p>	<p>Quarterly Completed – Dr. David Raff will be presenting on February 6th on in-land hydrology; Possible Topics for May 2014 from FEMA on Hurricane Sandy Mitigation.</p>
<p>SOH Members, WG Chairs: Submit suggestions on newsletter articles.</p>	<p>SOH Member and WG Chairs</p>	<p>Bi-annual - before Annual ACWI Meeting (June/July), After incoming/ Outgoing Admin (Nov/Dec)</p>
<p>ACTIONS FROM PRIOR MEETING</p>	<p>Notes</p>	<p>Current Status</p>
<p>HFAWG to consult with DOE, LBNL and NOAA on U.S. energy section vulnerabilities to climate change (CC) and extreme weather and consider how to consider climate change into B17C.</p>	<p>Recommended by Tom Nicholson to HFAWG</p>	<p>HFAWG to consider CC impact to energy</p>
<p>HFAWG and SOH to reference President’s Climate Action Plan http://www.whitehouse.gov/sites/default/files/image/president27sclimateactionplan.pdf ,in particularly, the section in the Plan on “Providing a Toolkit for Climate Resilience”. It was noted that “One of ACWI’s other subcommittees (Hydrologic Frequency Analysis Workgroup of the Subcommittee on Hydrology) is updating Bulletin 17B but is not addressing climate change issues in this process. ACWI Climate Change Workgroup (CCW) suggested a follow-up to raise awareness of the technical work being out of step with Federal policy.”</p>	<p>Recommended by David Wells and Tom Nicholson</p>	<p>HFAWG and SOH to address CC in Flood Frequency Analyses and discuss with CCW.</p>

B17B already has the capability to add data from historical floods. The new PeakFQ includes enhancements to this capability and member organizations would like more information and a tutorial on how to more appropriately use this feature to derive a practicable estimate of the flood frequencies.	Recommended by SOH	HFAWG to consider tutorial s.
HFAWG to finalize the Testing Report and post onto the ACWI-HFAWG web site. In addition, test results concerning the 25 th percentile threshold will be provided to HFAWG members.	Recommended by SOH	Assigned to Will Thomas to complete testing report and post results
The link to the FEMA Climate Change Report is http://www.aecom.com/News/Sustainability/FEMA+Climate+Change+Report	Recommended by Siamak Esfandiary	SOH to review

NOTES:

1. For remote participants, if you have any problems in accessing the webinar or have an emergency during the day of the meeting, please email or send a text to vichom8595@outlook.com. We will try to have the lines open about 10-15 minutes before the meeting.

2. For participants visiting USACE-HQ, please arrive on Thursday after 12PM Eastern Time but no later than 1215PM and meet in the front lobby of the USACE-HQ/GAO Building. Mr. Jesse Hogan could escort us into the facility. If an emergency arises, Jesse can be contacted at 202-761-4826(Office) or 916-384-8569.(Cell)..

3. Please see PDF attachments:

- ACWI-SOH Quarterly Meeting Slides,
- David Raff's Bio and Presentation,
- FERC Business Report
- ACWI SOH Summary of 10-28-2013 Meeting