

TUESDAY, FEBRUARY 28, 2017

THE 2017 INTERAGENCY FLOOD RISK MANAGEMENT WORKSHOP WILL:

- n Unify our interagency flood risk management team.
- n Share repeatable and achievable interagency successes in flood risk management.
- n Enhance interagency capacity to deliver integrated and adaptive approaches to flood risk management.

1:00 – 2:30 PM

Auditorium

LEADERSHIP & WORKSHOP OPENING

Mark Roupas, USACE Deputy Director of the Office of Homeland Security and Director of the National Flood Risk Management Program

Mr. Mark Roupas will open the 2017 Interagency Flood Risk Management Workshop by welcoming participants, laying out the objectives and his expectations for the week, highlighting some recent Flood Risk Management and Silver Jackets successes, and identifying the challenges that lie ahead.

CHANGE & ADAPTATION

Catherine O'Connor, Director of Engineering of the Metropolitan Water Reclamation District of Greater Chicago

Dr. Catherine O'Connor will provide a practitioner perspective on how the Chicago landscape has been transformed given flooding and water quality challenges. The City of Chicago built canals, 109 miles of deep tunnels, 16 billion gallons of storage, and the area continues to be devastated by flooding. She will use a current situation in Robbins, Illinois to demonstrate how today's solutions to these same challenges are different than those of the past and what's driving them.

2:30 – 3:00 PM

BREAK

3:00 – 4:30 PM

Auditorium

COMMUNITY ADAPTATION: MAKING TOUGH DECISIONS PRE- AND POST-DISASTER

Dr. Sandra Knight, Research Engineer in the Center for Disaster Resilience, University of Maryland, will moderate a session focused on community actions before and after hazardous events and lead a discussion focusing on the obstacles and opportunities present pre- and post-disaster. Speakers will provide a sampling of adaptation opportunities for communities in response and recovery, with time for questions and discussion to follow.

Mr. Dennis Knobloch, City of Valmeyer, will discuss Valmeyer, Illinois' decision to move the town to nearby bluffs overlooking what is now known as "Old Valmeyer."

Ms. Tracy Haag, Missouri Department of Natural Resources and Missouri Flood Risk Partners, will describe the decisions faced by the Meramec River Communities near St. Louis after the area was heavily impacted by flooding of the Meramec River during the Winter of 2015-16.

Ms. Christine Morris, City of Norfolk, will discuss the persistent threat from stormwater/high tide flooding, plus the continual threat of a big storm event, faced by the community of Norfolk, VA.

TUESDAY, FEBRUARY 28, 2017 (CONTINUED)

4:30 – 5:30 PM

REGIONAL TEAM WORKING TIME

Participants will self-organize by regions to focus on regional topics of interest. Suggested topics are available on the one-page handout. Please select the region that is most applicable to your work/area of responsibility.

PACIFIC REGION: Cafeteria

SOUTHWEST: Cafeteria

MIDWEST/UPPER MISSISSIPPI: Auditorium

GREAT LAKES: Cafeteria

ATLANTIC COAST: Cafeteria Conference Room

GULF COAST/LOWER MISSISSIPPI: USACE Conference Room

6:00 – 8:00 PM

INFORMAL ICE-BREAKER (NO HOST)

Over/Under Bar & Grill
911 Washington Avenue

Informal ice-breaker at the close of the day for participants to meet new and greet old friends and colleagues.

WEDNESDAY, MARCH 1, 2017

7:30 – 8:30 AM

OPTIONAL: SIDE MEETINGS/OPTIONAL TOPICS

Spaces will be available for teams to conduct side meetings or host short optional sessions on topics of interest to workshop participants.

Have a topic of interest to other participants? Fill out a form at the Registration Desk and we'll assign a room and share your topic.

8:30 – 9:00 AM

OBSERVATION SCIENCE AND TECHNOLOGY INNOVATION FOR THE CHANGING LANDSCAPE

Auditorium

Remote sensing from airborne and satellite platforms with hyperspectral, LiDAR and SAR (synthetic aperture radar) capabilities are among a host of innovations increasingly available and useful to guide emergency management – mitigation, response and recovery. Near real-time observations relevant to flood depth and extent are being collected and merged with data sets on land use and land cover change, surface water, and elevation.

Dr. David Greene, NASA Earth Sciences Program and **Mr. John Dorman**, North Carolina Department of Public Safety will present on the emerging tools to observe, monitor, understand and describe flood risk situations.

WEDNESDAY, MARCH 1, 2017 (CONTINUED)

9:00 – 10:00 AM

Auditorium

THE CHANGING LANDSCAPE

Participants may join a detailed discussion and demonstrations of tools or products related to factors that influence changes in flood risk or how risk should be managed in the Riverine, Coastal, and Urban landscapes.

Participants will be able to choose one of three landscape-focused tracks with interagency presentations and discussion:

RIVERINE FLOOD RISK (Auditorium)

Mr. Terry Zien, USACE St. Paul District: Moderator

Dr. Beth Faber, USACE Hydrologic Engineering Center

Ms. Chanel Mueller, USACE MVP

Dr. Katie Skalak, USGS

COASTAL FLOOD RISK (Cafeteria Conference Room)

Ms. Linda Manning, Council Oak: Moderator

Dr. Kate White, USACE Institute for Water Resources

Ms. Tucker Mahoney, FEMA

URBAN FLOOD RISK (USACE 4th Floor Conference Room)

Mr. Doug Bellomo, USACE Institute for Water Resources: Moderator

Mr. Brad Winters, Illinois Department of Natural Resources

Mr. Phetmano Phannavong, Washington DC Department of Energy and Environment

10:00 – 10:30 AM

BREAK

10:30 AM – 12:00 PM

Auditorium

ADAPTATION IN A CHANGING ENVIRONMENT

Speakers will provide a brief overview of the factors and trends driving change in flood risk management and discuss how local, state, and federal institutions are adapting to these changing conditions through modifications to policies, guidance, and plans, with a moderated discussion to follow. The session will be moderated by **Ms. Sheri Moore**, USACE Institute for Water Resources.

Ms. Kelli Higgins-Roche, New York State Department of Environmental Conservation

Mr. Iain Hyde, Colorado Chief Resilience Officer

Mr. Todd Tucker, FEMA Region 7

12:00 – 1:00 PM

LUNCH

1:00 – 2:30 PM

Auditorium

UNDERSTANDING AND INTEGRATING NATURAL FEATURES IN FLOOD RISK MANAGEMENT SOLUTIONS

Speakers will share examples applying the breadth of “green” flood risk management strategies, including natural and nature-based features, green infrastructure, nonstructural measures, etc. Participants will learn about successful on-the-ground applications of nature-based or green infrastructure flood risk management strategies and identify program and partnership opportunities to integrate these strategies into state and community flood risk management programs. Session will be moderated by **Mr. Patrick O’Donnell**, USACE South Atlantic Division.

Mr. Nathan Woiwode, The Nature Conservancy

Ms. Roberta Vogel-Leutung, EPA Region 7

Dr. Todd Bridges, USACE Engineer Research & Development Center (ERDC)

WEDNESDAY, MARCH 1, 2017 (CONTINUED)

2:30 – 3:00

BREAK

3:00 – 4:00 PM

BUILDING EFFECTIVE OUTREACH PROGRAMS

This breakout session offers four tracks for learning about successful and/or innovative communication and engagement efforts, with particular focus on efforts that motivate others to take action leading to flood risk reduction.

HOW TO DEVELOP AN EFFECTIVE OUTREACH ENGAGEMENT STRATEGY (Auditorium)

Ms. Manuela Johnson, Indiana Department of Homeland Security

Ms. Mary Weidel, USACE Institute for Water Resources, Collaboration and Public Participation Center of Expertise

LESSONS FROM SOCIAL SCIENCE: HELPING ENSURE THAT OUTREACH EFFECTS CHANGE* (USACE 4th Floor Conference Room)

Ms. Susan Durden, USACE Institute for Water Resources: Moderator

Dr. Denna Geppi, NOAA's Office of the Chief Economist

Mr. Jason Needham, USACE Risk Management Center

Ms. Sarah Devaney-Ice, FEMA, Federal Insurance and Mitigation Administration, Risk Management Directorate

EXTREME EVENT - HANDS-ON SERIOUS GAMING (Cafeteria)

Ms. Keri Stoeber, Koshland Science Museum, National Academy of Sciences

BEYOND THE NORM: INNOVATIVE COLLABORATIVE OUTREACH PROCESSES AND TOOLS (Cafeteria Conference Room)

MODERATOR: **Mr. Tony Krause**, USACE Omaha District

Ms. Hannah Sanger, City of Pocatello, Idaho

Mr. Mark Slauter, Virginia Department of Emergency Management

Mr. Hunter Merritt, USACE Sacramento District

4:00 – 4:30 PM

OBSERVATIONS FROM OUTREACH BREAKOUTS & DAILY WRAP-UP

Auditorium

Participants will share observations in a facilitated discussion of the Building Effective Outreach Programs breakouts followed by the daily wrap-up.

4:30 – 5:30 PM

PARTICIPANT-ORGANIZED INTERAGENCY FLOOD RISK MANAGEMENT TOPICS

Spaces will be available for participant-identified and organized interagency flood risk management topics. Topics may be identified in advance of the workshop or organized on-site.

Have a topic of interest to other participants? Fill out a form at the Registration Desk and we'll assign a room and share your topic.

6:30 PM

SILVER JACKET TEAM VIDEO VIEWING (OPTIONAL)

Over/Under Bar & Grill,
911 Washington Avenue

Workshop Premiere of the Indiana and Idaho Silver Jackets teams' video productions "OVER, UNDER, GONE – The Killer In Our Rivers" and "So, You're a Floodplain Manager?" Dinner and drink options available at the screening.

* FOR MORE INFORMATION, PLEASE SEE:

"Risk Communication and Behavior: Best Practices and Research" - <http://www.performance.noaa.gov/wp-content/uploads/Risk-Communication-and-Behavior-Best-Practices-and-Research-Findings-July-2016.pdf>

"AGuide to Public Alerts and Warnings for Dam and Levee Emergencies" - https://silverjackets.nfrmp.us/Portals/0/doc/WarningGuidebook_USACE.pdf?ver=2015-08-10-213008-520

THURSDAY, MARCH 2, 2017

7:30 – 8:30 AM

OPTIONAL: SIDE MEETINGS/OPTIONAL TOPICS

Spaces will be available for teams to conduct side meetings or host short optional sessions on topics of interest to workshop participants.

Have a topic of interest to other participants? Fill out a form at the Registration Desk and we'll assign a room and share your topic.

8:30 – 9:00 AM

MORNING WELCOME, RECAP AND DIRECTIONS FOR THE DAY

Auditorium

9:00 – 10:00 AM

SEEING IS BELIEVING: EXAMPLES OF SUCCESSFUL INTEGRATION

Auditorium

This session offers interagency examples of efforts that bridge divides—across agencies, within the flood risk management lifecycle, and among diverse goals and objectives—demonstrating how an expanded approach can yield opportunity for expanded benefits. The session will be moderated by **Lisa Bourget**, USACE Institute for Water Resources.

Mr. Ken Hendrickson, EPA Region 3

Mr. Michael Krehely, USACE New Orleans District

Mr. Stephen Scissons, USACE Albuquerque District

10:00 – 10:30 AM

BREAK

10:30 AM – 12:00 PM

SILVER JACKETS TEAM TIME

Auditorium

Session will open with an introduction to the Interagency World Café and a series of short presentations highlighting its offerings.

Individual Silver Jackets teams meet to review the **Team Assessment and Strategic Outlook worksheet** completed before the workshop (i.e., strengths, challenges, opportunities and external concerns) to identify opportunities and partners that might assist the team in achieving its strategic goals. Teams will use this information to seek partners during the Interagency World Café and plan post-workshop actions.

Silver Jackets teams should meet in the following assigned meeting spaces:

AUDITORIUM, AUDITORIUM BALCONY AND 3RD FLOOR LOBBY AND BREAK ROOM AREAS

CT, DC, DE, MA MD, ME, NH, NJ, NY, PA, RI, VA, VT

CAFETERIA CONFERENCE ROOM AND CAFETERIA

CO, ID, KS, MO, MT, ND, NE, OR, SD, WA, WY

USACE CONFERENCE ROOM (4TH FLOOR), ELEVATOR LOBBY AND BREAK ROOM AREAS

IA, IL, IN, KY, LA, MI, MN, MS, OH, TN, WI, WV

6TH FLOOR CONFERENCE ROOM (ROOM 6.208), ELEVATOR LOBBY AND BREAK ROOM AREAS

AR, OK, TX

7TH FLOOR CONFERENCE ROOM (ROOM 7.207)

AZ, CA, NM, NV, UT

7TH FLOOR ELEVATOR LOBBY

AK, HI

7TH FLOOR BREAK ROOM AREAS

AL, MS, NC, SC

THURSDAY, MARCH 2, 2017 (CONTINUED)

12:00 – 1:00 PM

LUNCH

1:00 – 2:30 PM

Auditorium/Cafeteria

INTERAGENCY WORLD CAFÉ: EXPLORING FLOOD RISK MANAGEMENT PARTNERING OPPORTUNITIES

Participants will convene in the auditorium for an orientation to the Interagency World Café.

Interagency World Café session to feature tables hosted by representatives of topics and agency programs relevant to workshop participants. Agency and topic-focused tables will be set up in the cafeteria to facilitate one-on-one conversations; table tent signs will assist with guiding participants through the Interagency World Café. Additional spaces will be available for pop-up topic tables allowing participants the opportunity to brainstorm following discussions with agency and program representatives.

2:30 – 3:00 PM

BREAK

3:00 – 4:00 PM

Auditorium

WHAT WE WILL TAKE BACK FROM THE 2017 WORKSHOP

Participants will identify and share what they will take back from the workshop including strategies, information, and lessons learned.

4:00 – 5:00 PM

Auditorium

AWARDS AND RECOGNITION

The USACE Senior Leadership will share a closing message and recognize the 2016 Flood Risk Manager of the Year, Silver Jackets Coordinator of the Year, and Silver Jackets Team of the Year.

FRIDAY, MARCH 3, 2017

8:30 AM - 12:30 PM

CONCURRENT HANDS-ON/IN-DEPTH TOPIC SESSIONS

Four concurrent sessions will provide the opportunity for more in-depth exploration of various topics.

LOCAL FIELD TRIP HOSTED BY ST. LOUIS DISTRICT AND ITS INTERAGENCY PARTNERS

Participants will travel 30 minutes to Arnold, Missouri to tour neighborhoods impacted by the Winter 2015/2016 flood of record and learn about city plans to recover and mitigate. Space limited; pre-registration required.

HANDS-ON NONSTRUCTURAL TRAINING HOSTED BY THE NATIONAL NONSTRUCTURAL FLOODPROOFING COMMITTEE

In-classroom and on-site, hands-on nonstructural assessment training will be provided by **Mr. Randy Behm** and **Mr. Steve O'Leary**, both members of the USACE National Nonstructural Floodproofing Committee. The on-site assessment will step participants through the process of data collection (online and on-site) for determining structure characteristics, determining site conditions, and considering hydrologic conditions to identify potential nonstructural mitigation measures for implementation. Space limited; pre-registration required.



Thank you for participating in the
2017 Interagency Flood Risk Management Workshop.

Let us know about your experiences – drop off your
completed evaluation at the Registration desk.

FRIDAY, MARCH 3, 2017 (CONTINUED)

8:30 AM - 12:30 PM

CONCURRENT HANDS-ON/IN-DEPTH TOPIC SESSIONS (CONTINUED)

OVERVIEW OF EMERGENCY MANAGEMENT INSTITUTE COURSES AVAILABLE FOR INTERAGENCY PARTNERS

This workshop will offer attendees training on key floodplain management and mitigation concepts and then delve into the best way to find out the what, where and when of EMI's free floodplain management and hazard mitigation training offerings. **Mr. Todd Tucker**, FEMA, will provide a sampling of the primary courses hosted at EMI and a list of the most popular EMI courses for Floodplain Management and Hazard Mitigation students.

TRAIN THE TRAINER SESSION TO ASSIST COMMUNITIES WITH EMERGENCY ACTION PLANS

Terry Zien and **Bonnie Greenleaf**, both of USACE St. Paul District, will lead participants through a four hour workshop on how to use the Emergency Action Plan Template Guidebook developed by the Minnesota Silver Jackets with communities in participants' own state.

Sessions and field trip(s) will plan to return to the St. Louis District/Federal Building no later than 12:30 PM.

