

2018 AGENDA

INTERAGENCY FLOOD RISK MANAGEMENT COMMUNITY OF PRACTICE TRAINING SEMINARS

CROSSROADS OF OPPORTUNITY

MAY 1 - 4, 2018

Indiana Government Center-South | Indianapolis, Indiana

TUESDAY, MAY 1, 2018

1:00 – 2:00 PM

Auditorium

TRAINING OPENING & KEYNOTE

UNDERSTANDING FLOOD RECOVERY FACTORS, WHY WE DO WHAT WE DO

Welcome and opening from **Bryan Langley**, Indiana Department of Homeland Security Executive Director, **Col. Antoinette Gant**, Louisville District Commander, and **Mr. Mark Roupas**, Deputy Chief, Office of Homeland Security, Directorate of Civil Works.

Dr. Sam Brody, a professor at Texas A&M at Galveston, will share his perspectives as both a flood risk researcher and someone who experienced Hurricane Harvey first hand. He will emphasize the importance of our work and why aligning plans with perceptions is a key part of the emergency management cycle and effective flood risk management.

2:00 – 3:00 PM

Auditorium

2017 EXPERIENCE CASE STUDIES

Butte County (CA) **Sheriff Kory Honea** will describe his experience during the 2017 Oroville Dam spillway emergency and provide thoughts on what worked, what surprised him, and information he found most useful as the event unfolded. **Steve Fitzgerald**, Chief Engineer with the Harris County Flood Control District in Texas, will share his thoughts on the difference between managing for floods that can be imagined, and those - like Hurricane Harvey - that reset your perceptions and demand out of the ordinary approaches.

3:00 – 3:30 PM

BREAK

Interagency flood risk management efforts poster session in the main hallway.

3:30 – 4:30 PM

Auditorium

IMPLEMENTATION OF RESILIENT STRATEGIES: MOVING FORWARD — WHERE DO WE GO FROM HERE?

Building on the previous session, panelists from the 2017 Experience Case Studies session will join USGS Landslide Hazards Program Coordinator **Jonathan Godt** and Florida State Floodplain Manager/National Flood Insurance Program Coordinator **Steve Martin** to discuss how we can improve disaster response and mitigation from a professional perspective. Panelists will present their perspectives on what can be done differently to better implement resilient strategies at all levels of government to improve mitigation for future flood events.



THE 2018 INTERAGENCY FLOOD RISK MANAGEMENT COMMUNITY OF PRACTICE TRAINING SEMINARS WILL:

Expand knowledge of new and continuing flood risk management team members.

Strengthen skills necessary for repeatable and achievable interagency successes in flood risk management.

Enhance capacity to deliver integrated and adaptive approaches to flood risk management.



4:30 – 5:30 PM

EXERCISE #1: CHALLENGES AND OPPORTUNITIES FOR INTERAGENCY COLLABORATIVE EFFORTS TO MANAGE FLOOD RISK

Participants will select one of the topics listed below to join a discussion on challenges and opportunities for interagency collaboration to enhance flood risk management at home. Participants will share best practices related to preparation and mitigation activities or response and recovery efforts that promote resiliency. The session will conclude with teams identifying one or two potential interagency team efforts in their state. Further development of the identified interagency effort will be the focus of Exercises #2 (Wednesday) and #3 (Thursday).

DISCUSSION TOPICS:

1. **Inundation Mapping** – Conference Room A
2. **Storm Surge and Sea Level Rise** – Conference Room C
3. **Data and Information Integration and Sharing** – Conference Room 2
4. **Managing Flood Risk after Wildfires** – Conference Room 4
5. **Levee Risk Communication** – Conference Room 5
6. **Regional Watershed Planning** – Conference Room 12
7. **Flood Warning System Improvements** – Conference Room 14
8. **Floodplain Management Planning** – Conference Room 17
9. **Updating or Integration of Hazard Mitigation Plans** – Conference Room 18
10. **Nonstructural Assessments** – Conference Room 19
11. **Nature-based Flood Risk Management Strategies** – Conference Room 22
12. **Flood Preparedness Planning** – Conference Room 29

6:30 PM

NO HOST INFORMAL GATHERING

Socialize and mingle with your flood risk management partners at the RAM Restaurant & Brewery at 140 South Illinois Street.

WEDNESDAY, MAY 2, 2018

7:30 – 8:30 AM

EARLY BIRD TOPICS

Limited reserved space and common spaces will be available for teams to conduct side meetings or host short optional sessions on topics of interest to workshop participants. If you have a topic to discuss or would like a room, please see the registration desk.

8:30 – 9:00 AM

MORNING WELCOME, RECAP AND DIRECTIONS FOR THE DAY

Auditorium

Welcome and opening from **Mr. Ray Alexander**, SES, USACE Headquarters Director of Contingency Operations and Homeland Security. Orientation to the day’s agenda.

9:00 – 10:00 AM

FIRST STEPS: HOW TO COLLABORATE IN RECOVERY

Auditorium

Panel will share multiple perspectives on and examples of collaboration in recovery after a disaster event, including approaches to leveraging lessons learned and planning for improved collaboration in the next disaster. Presentations and discussion will focus on keeping the momentum for mitigation going after the event, which is critical for changes that lead to risk reduction. Challenges include dealing with infrastructure in highly urbanized settings, where there is economic and political pressure for quick recovery actions that can minimize mitigation. The required actions for proper long-term planning can be obvious, but difficult to accomplish. Panelists include:

- **Ms. Hibba Haber**, USACE North Atlantic Division Readiness & Contingency Operations
- **Ms. Mary Moran**, Indiana Department of Homeland Security
- **Mr. Kenny Hale**, Morgan County, Indiana
- **MODERATOR: Mr. Terry Zien**, USACE St. Paul District

10:00 – 10:30 AM

BREAK

Interagency flood risk management efforts poster session in the main hallway.

10:30 – 11:15 AM

BREAKOUT SESSION: PARTNERSHIPS IN THE FIELD — COLLABORATIVE TOOLS, TECHNIQUES, AND APPROACHES FOR FLOOD RISK MANAGERS

Auditorium

DATA, MODELS, AND TOOLS: **Mr. Stephen Brown**, USACE Albuquerque District, and **Mr. J. Carver Struve**, National Aeronautics and Space Administration (NASA)

Mr. Brown will discuss a pilot project effort that collaborates with the Civil Air Patrol to acquire high resolution aerial imagery. Mr. Struve will describe the tools and data NASA has available to support response and recovery efforts, sharing examples of its application during Hurricanes Harvey, Irma, and Maria.

Conference Room A

NONSTRUCTURAL APPROACHES: **Mr. Kelly Stallworth**, Town of Estes Park, Colorado, and **Mr. Brian Rast**, USACE Kansas City District

Mr. Stallworth and Mr. Rast will discuss a flood event that impacted the town of Estes Park, Colorado, the nonstructural assessment conducted for the town, and planned next steps for implementing nonstructural flood risk management solutions.

Conference Room B

LEVEES AND DAMS: **Mr. Cory Haberman**, USACE Rock Island District, and **Mr. Christian Ritz**, Natural Resources Conservation Service (NRCS)

Mr. Haberman will describe how MICA (Mobile Information Collection Application) has been used to monitor levee conditions through collaborative data input and data sharing during emergency responses. Mr. Ritz will discuss how DamWatch® has supported collaborative risk management to monitor dams during flood events.

Conference Room C

RISK COMMUNICATION: **Mr. Chris Baker**, Public Awareness and Communications Team, USACE Dam and Levee Safety Programs, and **Ms. Linda Manning**, The Council Oak

Ms. Manning will discuss the different aspects of risk communication needed after the discovery of a sunny day floodwall failure in Port Arthur, TX prior to Hurricane Harvey.

**11:15 AM – 12 PM BREAKOUT SESSION: PARTNERSHIPS IN THE FIELD — COLLABORATIVE TOOLS, TECHNIQUES, AND APPROACHES FOR FLOOD RISK MANAGERS**

Repeat of 10:30 – 11:15 breakout sessions and topics, in the same rooms.

12:00 – 1:30 PM LUNCH**1:30 – 3:00 PM EXERCISE #2: INTERAGENCY “WORLD CAFÉ” – CONNECTING WITH FLOOD RISK MANAGEMENT PARTNERS**

Conference Rooms A/B/C

Participants will explore the variety of agency programs, resources, and technical expertise available to tackle interagency flood risk management team activities. Participants will self-rotate through stations to learn about agency programs and tools, and identify partner resources to leverage as part of the interagency effort identified by the team during Exercise #1.

3:00 – 3:30 PM BREAK

Interagency flood risk management efforts poster session in the main hallway.

3:30 – 5:00 PM LOCAL PRIORITIES: HOW DOES FLOOD RISK MANAGEMENT COMPARE?

Auditorium

A panel of local government representatives will describe where and how flood risk management falls within the broader priorities of a local jurisdiction, and techniques to more successfully leverage local priorities to achieve flood risk management objectives. Panelists includes:

- **Mr. John Zakian**, City of Minot, North Dakota
- **Mr. Dave Canaan**, Charlotte-Mecklenburg Storm Water Services, North Carolina
- **Mr. Brad Jackson**, City of Tulsa Engineering Services Department, Oklahoma
- **MODERATOR**: Ms. Rachel Orellana, P.E., USACE Sacramento District

5:30 PM OPTIONAL SELF-LED FRM-FOCUSED WALKING TOUR

Explore downtown Indianapolis with a self-led FRM-focused walking tour.

THURSDAY, MAY 3, 2018**7:30 – 8:30 AM EARLY BIRD TOPICS**

Limited reserved space and common spaces will be available for teams to conduct side meetings or host short optional sessions on topics of interest to workshop participants. If you have a topic to discuss or would like a room, please see the registration desk.

8:30 – 9:00 AM MORNING WELCOME, RECAP AND DIRECTIONS FOR THE DAY

Auditorium

Orientation to the day's agenda.

9:00 – 10:00 AM INTEGRATING PLAN DEVELOPMENT WITH REGIONAL RESILIENCY

Auditorium

This panel of local government, State government, and Federal agency representatives will discuss how plans have been developed and implemented, as well as the benefits of having those plans and potential areas for improvement found during plan implementation. Panelists include:

- **Mr. J.P. Carsons**, Louisville Metropolitan Sewer District (KY)
- **Mr. Gavin Smith**, State of North Carolina
- **Mr. Chris Judge**, U.S. Department of Homeland Security
- **MODERATOR**: **Mr. Brandon Brummett**, USACE Louisville District

10:00 – 10:30 AM BREAK

Interagency flood risk management efforts poster session in the main hallway.

10:30 AM – 12 PM EXERCISE #3: DEVELOPING INTERAGENCY FLOOD RISK MANAGEMENT ACTIVITIES

Teams will scope their interagency flood risk management effort using relevant resources and information learned during the training seminar and compiled during the two previous exercises. Teams will brief fellow teams about their interagency flood risk management effort and solicit feedback.

1. **Alaska, Idaho, Oregon** – Conference Room 25
2. **Alabama, Florida, Georgia** – Conference Room 29
3. **Arkansas, Tennessee, Mississippi** – Conference Room 2
4. **California, Nevada, Utah** – Conference Room 17
5. **Colorado, Wyoming** – Conference Room 8
6. **Connecticut, Maine** – Conference Room 9
7. **District of Columbia, Maryland, Pennsylvania** – Conference Room 1
8. **Delaware, New Jersey** – Conference Room 6
9. **Iowa, Illinois** – Conference Room 7
10. **Indiana, Kentucky, Ohio** – Conference Room 22
11. **Massachusetts, New Hampshire** – Conference Room 26
12. **Michigan, Minnesota, Wisconsin** – Conference Room 4
13. **North Carolina, South Carolina, Virginia** – Conference Room 18
14. **North Dakota, South Dakota, Montana** – Conference Room 19
15. **New Mexico, Oklahoma, Texas** – Conference Room 14
16. **New York, Vermont** – Conference Room 5

For USACE Districts without State partners in attendance, please participate in one of the sessions where your District plays a Silver Jacket Support role to a state.

12:00 – 1:30 PM LUNCH



1:30 – 3:00 PM

INTEGRATED PLANNING: BUILDING ON OPPORTUNITIES

Auditorium After reconvening in the auditorium, we will break out for four concurrent topic-focused sessions. Each breakout session will highlight the integration of planning and execution to improve flood risk management and resiliency. The four break-out topics include:

Conference Room A **DATA, MODELS, AND TOOLS – UNMANNED AERIAL VEHICLES AND AUGMENTED REALITY: Mr. Siavash Beik**, Christopher B. Burke Engineers, and **Mr. Jeff Frey**, U.S. Geological Survey Indiana Water Science Center

Mr. Frey will discuss the use of augmented reality tools in the USGS stream gage program, and other applications. Mr. Beik will describe how the use of unmanned aerial vehicles (UAVs) enhanced the collection of data on the Yellow River Initiative in the Kankakee River Basin in Indiana.

Conference Room B **NONSTRUCTURAL APPROACHES AND WORKING WITH NATURE: Ms. Beth Burgess**, Department of Planning and Zoning for Howard County, Maryland; **Mr. Jason Bernagros**, U.S. EPA Office of Research and Development; **Mr. Chris Haring**, USACE Engineer Research and Development Center

Ms. Burgess will address needs, concerns, and potential partnerships associated with mitigating flood risks for historic structures. Mr. Bernagros will highlight how a Smart Growth Implementation Assistance initiative can mitigate flooding by working in tandem with proposed improvements to conventional drainage infrastructure, while addressing water quality concerns and quality of life. Mr. Haring will overview ongoing research and coordination efforts regarding natural and nature based features, including level of uncertainty regarding flood risk management benefits.

Conference Room C **LEVEES AND DAMS: Ms. Catherine Sanders**, USACE Kansas City District; **Mr. Terry Zien, P.E.**, CFM, USACE St. Paul District; **Mr. Daniel Carthel**, Natural Resources Conservation Service (NRCS), National Water Management Center

Ms. Sanders will discuss current work under the National Levee Database program with a focus on opportunities for state, tribal, and other partner involvement. Mr. Zien will describe work done to apply two alternative methods for identifying non-levee structures that are functioning as levees in the context of meeting community needs. Mr. Carthel will describe ongoing work to identify and mitigate risks associated with aging dams through the NRCS Dam Rehabilitation Program.

Conference Room 22 **RISK COMMUNICATION: Ms. JoAnn Combs CFM, MPM** and **Ms. Ashley Stephens CFM**, USACE Huntington District; **Mr. Joe Goldstein, P.E.**, USACE Los Angeles District; **Mr. Marco Ciarla**, USACE Baltimore District

Ms. Combs and Ms. Stephens will present two examples of risk communication efforts: the Upper Ohio-Shade River Regional Nonstructural Workshops to address needs of communities not included in the FEMA RiskMAP discovery process; and a flood awareness campaign to educate the public about flood risks in communities prone to severe flash flooding. Mr. Goldstein will describe work done to identify and meet the needs of levee sponsors / owners in developing strategies and tools for communicating levee-related flood risks to affected communities. Mr. Ciarla will describe the role of risk communication, community outreach, and partner collaboration in developing workable nonstructural options for addressing flash-flooding risks.

3:00 – 3:30 PM

BREAK

Interagency flood risk management efforts poster session in the main hallway.

3:30 – 4:30 PM

ADAPTATION AND RESILIENCE: LESSONS FROM CASE STUDIES

Auditorium This session will review two efforts that successfully reduced flood risk while simultaneously improving the ability to anticipate, prepare for, and adapt to changing conditions as well as withstand and recover from disruptions. **Mr. Rob Davis** of the City of Cedar Rapids will highlight notable improvements there since the devastating 2008 flood; the improvements re-energized the downtown and allowed the City to weather the 2016 flood in stride. **Mr. George Ramseur, Jr.**, will describe successful adaptation along the Mississippi Gulf Coast that includes a system-wide focus on local implementation, work with partners, and consideration of a broad suite of measures aimed at improved resiliency.

4:30 – 5:30 PM

ASPIRING TO GREATNESS: LESSONS FROM SUCCESSFUL TEAMS

Auditorium The 2017 Flood Risk Manager of the Year, Silver Jackets Coordinator of the Year, and Silver Jackets Team of the Year will share their lessons learned and best practices.

FRIDAY, MAY 4, 2018

7:30 – 8:30 AM

EARLY BIRD TOPICS

Limited reserved space and common spaces will be available for teams to conduct side meetings or host short optional sessions on topics of interest to workshop participants. If you have a topic to discuss or would like a room, please see the registration desk.

9:00 AM – 12 PM

CONCURRENT HANDS-ON/IN-DEPTH TOPIC SESSIONS

Waverly Field Trip hosted by the Indiana Silver Jackets Team

Meet the bus directly across the street from the Government Center South between the Marriott hotel and the Government Center Parking garage entrance.

Participants will travel 30 minutes to Waverly and visit a Living History Park and Urban Forest developed using FEMA hazard mitigation grants to buy out properties in the floodplain. Over the last 9 years, the area has changed from a community underwater to a living history park with restored/reclaimed historical structures, added walking paths (with other grant dollars), canoe/kayak portage sites, and other amenities.

Pre-registration required; space is limited. Please notify the Registration desk if you pre-registered and cannot attend.

School Branch Field Trip hosted by the Indiana Silver Jackets Team

Meet the bus directly across the street from the Government Center South between the Marriott hotel and the Government Center Parking garage entrance.

Participants will travel 30 minutes to explore the School Branch Watershed. The collaborative effort between federal (led by NRCS), state, local, and academic entities as well as conservation-minded farmers includes monitoring conservation practice implementation at the watershed, sub-watershed, and edge-of-field levels within the watershed to encourage better agricultural water management that results in improved water quality in waterways.

Pre-registration required; space is limited. Please notify the Registration desk if you pre-registered and cannot attend.



9:00 AM – 12 PM CONCURRENT HANDS-ON/IN-DEPTH TOPIC SESSIONS (CONTINUED)

- Conference Room 17 **Nonstructural Vulnerability Assessment Hands-On Training hosted by the USACE National Nonstructural Committee**
TRAINERS: Mr. Kim Gavigan, USACE Los Angeles District; Mr. Brian Rast, USACE Kansas City District; Ms. Mary Weidel, USACE Institute for Water Resources
Session participants will receive an overview of physical and nonphysical flood risk adaptive measures and then conduct vulnerability assessments for two structures off-site. The assessment will include identifying vulnerability to flooding and summarizing potential nonstructural techniques to reduce flood risk.
[Pre-registration required; space is limited.](#)
- Conference Room 18 **Storytelling Works Better than Fact Sharing hosted by FEMA**
TRAINER: Ms. Kellie Mullen, Resilience Action Partners
“In our field, it’s easy to get stuck in the data trying to solve a problem. This workshop will change your thinking. It’s time to stop leading with facts and start telling stories to drive action. This is an engaging and practical workshop that made an impact on our team.”
— Dennis Dixon, Pierce County (Washington) Planning and Public Works
This training is for anyone who wants to know how to communicate risk more effectively and persuasively. Case studies and research will be presented, demonstrating that data alone will never drive community action at the scale necessary to protect the public and property. This training will delve into the science behind our behavioral biases and decision making processes, and how to use the power of stories to overcome them. Participants will practice using stories instead of facts to deliver key risk messages.
[Pre-registration required; space is limited.](#)
- Conference Room 19 **A Day in the Life of an Infrastructure Systems Recovery Support Function (IS-RSF) Field Coordinator**
TRAINERS: Mr. Dave Apple, USACE Jacksonville District; Mr. Colton Bowles, USACE Charleston District; Ms. Hibba Haber, USACE North Atlantic Division; Ms. Alana Kuhn, FEMA
The National Disaster Recovery Framework defines how Federal agencies organize and operate to support states, Tribes and other jurisdictions affected by a disaster. Under this framework, USACE serves as the lead coordinating agency for developing an infrastructure systems recovery support strategy. This session will provide information to effectively prepare you for this role, identifying available training, reviewing the steps involved in completing this mission, and offering lessons learned and tips from experienced USACE and FEMA staff.
[Pre-registration required; space is limited.](#)
- Certified Floodplain Manager (CFM®) Exam hosted by the Indiana Silver Jackets Team**
The national examination for professional certification as a floodplain manager will be offered Friday morning. Persons interested in taking this examination must complete the application, pay the exam fee, and be pre-approved by ASFPM by 18 April.
[Pre-registration with ASFPM is required. See the Registration desk for room location.](#)

THANK YOU FOR PARTICIPATING IN THE 2018 INTERAGENCY FLOOD RISK MANAGEMENT COMMUNITY OF PRACTICE TRAINING SEMINARS. LET US KNOW ABOUT YOUR EXPERIENCES — DROP OFF YOUR COMPLETED EVALUATION AT THE REGISTRATION DESK.