

# 2023 WORKSHOPS

The goal of the 2D workshops is to develop and provide technical training to state agencies, local officials and local technical community to assist in the transition from 1D to 2D Flood Risk Identification and NFIP Floodplain Management.

Eight CEC's are provided for the HEC-RAS 2D and PC-SWMM workshop. Nine CEC's are provided for the Risk MAP workshop.

## http://bit.ly/MOSEMAOutreach



- new 2-D models Continuity of synergy from Risk MAP
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- Continuity of synergy from Risk MAP

These workshops will be hands-on computer classes showcasing DFIRM and Risk MAP Products with participants performing coordinated analysis on their communities' datasets resulting in specific actionable results for their community. These workshops will also include experience utilizing the Hazard Mitigation Profile Tool. Continuing Education Credits will be obtained for the workshop attendees through ASFPM.

- deliverables
- Understanding of the NFIP floodplain versus the results of the 2-D hydraulic models
- Continued building of partnerships through education and utilizing comments to assist policy changes

#### Training will include:

- Description and explanation of model development hydrology and hydraulics
- User Guide for basic needs of the floodplain managers and engineers to determine floodplain management answers from existing models
- Process to modify models for 3 typical floodplain management scenarios
- Lead the development of LOMR for modifications
- Facilitate a discussion of issues and concerns for follow up post training.

#### deliverables

- Understanding of the NFIP floodplain versus the results of the rain on grid 2-D hydraulic models
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### To Register Contact:

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Twelve laptops will be provided at each workshop. Attendees may also bring their own laptop. The workshop materials, software and licenses will be on a flash drive and attendees can keep the thumb drives. If attendees bring their own laptop, the requirements are below:

### **Equipment materials:**

This is an interactive workshop in which participants should bring a laptop if possible. Details below:

A computer with the following specifications:

HEC-RAS 6.4.1

You must download, install, and activate the software prior to the workshop. We will have a copy also available but to install you will need to have administrative rights.

- Software Location HEC-RAS Version 6.4.1
- <u>https://www.hec.usace.army.mil/software/hec-ras/download.aspx</u>



Hands-on exercises and potentially other software will be installed during the workshops on your laptop. Please ensure you have such rights or know the administrator's log-in procedures.

- Microsoft Windows 10, 8, 7, Vista, or XP (SP2) operating system (Must be a 64-bit Operating System)
- Microsoft .NET 4.5 framework
- Minimum physical memory: 4 GB
- Minimum free disk space: 16 GB
- Minimum screen resolution: 1600 x 900 pixels

We strongly recommend a 15" or larger screen, with a resolution between 1600x900 pixels and 1920x1200 pixels and text size set to 100%. This will enable the exercise instructions and the software to be displayed on the screen side-by-side.

- Microsoft Excel (usually part of Microsoft Office)
- Earbuds/headphones and audio jack (for additional help videos)
- A 2-button mouse with wheel (strongly recommended)

