

Cooperating Technical Partners – ASFPM CTP subcommittee Monthly Call – Feb 10, 2025

Attendees: Alan Luloff, Joanna Rohlf, Dave Guignet and Laura Algeo.

CTP webinars

Webinar options for after March 2025: [items in italics are comments from previous calls.]

Hydrology is a component of H&H modeling that has significant uncertainty. There has been some discussion recently on steady vs. unsteady flow modeling. Michigan had raised some concerns about a FEMA plan to use unsteady flow modeling on some streams in Michigan due to correlation to existing state regulations. We discussed that if we are going to do a webinar on this topic that should be at the basic level. We would like to have a call prior to the webinar to go over the content to confirm that it is at the appropriate level. Mark Forest is a potential speaker. Alan reached out to Mark Forest and he could be a speaker in the May June timeframe. Laura indicated that Andy Bonner and Dave Rosa are also potential speakers. A webinar on watershed modeling may also be an option. Laura indicated that Andy could weave that in.

Andy Bonner has presented an introduction to hydrology at EMI. Jon Janowicz is now with USGS and could also be a speaker.

Alan also contacted Matt Occhipinti with the State of Michigan. They have concerns regarding unsteady flow modeling because it accounts for storage behind culverts. These culverts are often blown out during flood events. Their concern is that there could be development downstream that were built taking in to account the storage and when the culvert is blown out it would be impacted.

Downscaling Regional Climate Change Precipitation Projects

Laura indicated that North Carolina has recently published some FIRMs. While the FIRMs do not include future conditions, the state has posted some data on their website that provides information on future conditions. Tom Langan (tomlangan@ncdps.gov) is a contact.

Alan contacted Tom and he indicated that they have developed a guidance document related to rain-on-grid 2D modeling associated with Base Level Engineering (attached).

CTP conversation in New Orleans

The CTP Conversation is listed in the program. The CTP Conversation is from 3-5 pm on Monday. From 4 to 5 it conflicts with the ASFPM general meeting. Brooke is a co-chair of the M&ES committee. Committee co-chairs are supposed to attend the membership meeting. Now that Brooke is serving on the ASFPM Board, she will need to attend the general membership meeting.

We could again have some presentations in the first hour and then have breakout session in the second hour. Laura could again provide a presentation. We could also have a presentation on funding options some entities are using (e.g. stormwater utilities).

We will work to ensure that the meeting room is set up as auditorium seating. The room setups will be worked on in March.

We want to provide people an opportunity to indicate what they are struggling with and provide a venting option.

We may need to provide improved support for communities and discuss how to tailor the message to communities. These challenges that are occurring does not change the risk to communities. This may require a larger role for CTPs working with communities.

For break-out sessions

No Rise Analysis could be one.

2D modeling could be one topic. Laura indicated that to get full coverage across the nation FEMA feels that need to go to 2D modeling. What kinds of data can be delivered with 2D modeling (velocity and fluvial) is also an option.

Joanna indicated that all counties in Kansas in progress are 2D modeling. They are taking a long time. Some communities are using 12 hour vs 24 hour rain events.

Joanna is working on potential sites for the CTP social. Having the event on Tuesday evening went well in St. Lake City. Depending on event site availability we will shoot for having the event again on Tuesday.

EMI course in April

Need 15 to hold class – have 9 signed up so far. If they do not have enough to hold the event they could use the materials to do some webinars.

CTP subcommittee Co-chair

We discussed finding a replacement for Dave since he is retiring in July. We could ask for volunteers at the CTP conversation.

AL 2/17/2025