

MMS Meeting: May 12th, 2015 at 12 pm PDT (via Conference Call)

In attendance:

[Kara Gately](#) (MMS Co-Chair), NOAA National Tsunami Warning Center
Alaska: [Dmitry Nicolski](#) (MMS Co-Chair), University of Alaska, Fairbanks
Washington: [Tim Walsh](#), Washington Department of Natural Resources
US Virgin Islands: [Roy Watlington](#), Scientist Emeritus
Hawaii: [Kwok Fai Cheung](#), University of Hawaii
California: [Rick Wilson](#), California Geological Survey
Gulf Coast: [Juan Horriilo](#), Texas A&M University at Galveston
East Coast: [Jim Kirby](#), University of Delaware
East Coast alternate: [Stephan Grilli](#), University of Rhode Island
[Marie C Eble](#), NOAA Pacific Marine Environmental Laboratory
U.S. Geological Survey: [Stephanie Ross](#), USGS Science Center, Menlo Park, CA
[Alyssa Pampell](#), Texas A&M University at Galveston
[Pat Lynett](#), University of Southern California

Meeting Minutes: (Notes provided by Stephanie Ross, Marie Eble, and Kara Gately)

Kara: Some people had difficulties accessing the shared documents for today's meeting... Did people find the Google invitation for the meeting (with shared documents) useful or should we just stick with the group email with documents attached? One person said probably just stick with email, two said they could read both and didn't have a preference.

Agenda Item 1: Creation of the 2015 summer meeting agenda

(Discussion of draft agenda circulated prior to meeting)

Rick: requests modification of agenda... 1) Hope to move the discussion of USGS and NTHMP to Wed. morning for half an hour. One outcome of the USGS-NTHMP discussion at SSA recently is to hold a workshop attached to NTHMP meeting and it would be good to have that discussed before the joint meeting.

Kara: okay with moving both that and the source characterization discussion to Wed. and move Landslide Workshop discussion to Thursday. Okay with Jim Kirby.

Rick: Regarding the joint MMS-MES discussion. How will the mapping discussion be different at the MMS meeting than at the joint meeting?

Kara: just an update at the joint meeting.

Rick: requests modification of agenda... change 1:45 Wed. topic to "Transition from Mapping to preparedness and response" for clarity. Kara agrees.

Kara: is the time enough for the landslide discussion (about an hour)? Jim: yes.

Dmitry: landslide workshop Wednesday? Or USGS collaboration and tsunami source on Wednesday or Thursday?

Kara: Landslide tsunami workshop on Thursday; All USGS and tsunami source discussions moved from Thursday to Wednesday.

- Joint MMS/MES meeting envisioned as a round table discussion with outcome. MES has requested a document on information about all models in laymen terms. MMS will come up with a DRAFT document in advance of the joint meeting with MES.
- Agenda now allows for time at the end of the last day for unfinished business. (It was later suggested that we could use this time space for tsunami inundation benchmark presentations to MMS)

Agenda Item 2: Tsunami Currents Benchmarking Workshop Proceedings Update

A Microsoft Word Template was developed for consistency in individual papers and sent to modelers on April 26th – request for completion in 5 weeks, expecting 10 weeks. => Deadline for gathering papers is end of June

Draft Summary Report Update by Pat Lynett: Student working on graphics and bringing it all together. Some issues with the data and comparisons on Benchmark #1, specifically, the best way to present and summarize the results in a fair and reasonable manner is still under review. The rest is progressing well. Benchmark #2 results will provide the bulk of the document. Draft report should be out for comment in a few weeks. Output won't change much from second day of workshop. Complete draft within next 2 weeks. About a month later have a draft journal paper. Currently, there are three model reports submitted so far. A peer-reviewed journal article is also in the works, and anyone who wants to be a co-author MUST get their individual model report completed before the end of June.

A steering committee for help with written proceedings was created. Members prior to the meeting included: Rick W., Kara G., Dmitry N., and Pat L. Kara requested for additional members to volunteer for the steering committee. Additional members now include: Tim W., Jim K., Juan H., and Stephan G. Members of the steering committee should expect a Draft Summary Report for review in approximately 2 weeks and be prepared to help develop an introduction piece for the Tsunami Currents Workshop Proceedings.

- Early June
 - Final draft Summary Report completed
 - Draft Introduction being developed
- End of June
 - First draft of journal paper. Circulate among authors, and submit to journal.
- Early July
 - Draft of complete workshop report, including all authors' chapters and introduction

Agenda Item 3: Maritime Mapping and Modeling Guidance

Kara: Reminder that **feedback from MMS members is needed** on the document. If you're short on time, just review the Mapping & Modeling section and provide feedback on that, as we are looking to have all feedback and comments from MMS incorporated into the document in advance of the 2015 summer meeting as well as have that section of the document finalized by September 2015. Rick will re-send the current version (circa November) out to the group.

Rick: will update the Maritime Guidance document in the next 2-3 weeks and redistribute. The updated version will include: examples from recent Oregon maritime guidance work, offshore safety areas information, tsunami currents model benchmark workshop information and how to integrate into model qualification, products which adequately capture areas where eddies may be generated and travel to, (i.e. work with modeler to identify these areas and figure out a catch-all to handle model shortcomings).

Agenda Item 4: Come up with, and document, a method for giving new inundation benchmarked models a NTHMP stamp of approval

(Discussion of process)

Kara: thinking that somewhere on our website, we could have the steps to BM future models.

Steps:

- a. Complete BM 1,4,6,9
- b. Create a paper to document results.
- c. Present to MMS. How to do this? Webinar? Presentation to MMS?

Stephan: discussed this after the workshop with tiger team. In future, people would have to create a paper, maybe present to tiger team? Need a metric? This may not have been put into the proceedings.

Randy LeV may have done it afterward. There was a subgroup?

Kara: a subgroup would be okay if MMS is okay with a subgroup.

Jim: group has to say that it passed muster, in some fashion, so need a presentation to all of MMS.

Kara: So, have a simple doc on our webpage documenting the steps. Then after everyone has a chance to review, have an MMS call and/or vote by email. If accepted, new models would be added to the:

1. ["NTHMP Benchmarked tsunami models" document](#)
2. And an addendum document to the [Proceedings and results of the 2011 NTHMP Model Benchmarking Workshop](#) (Addendum document still to be created)

Kara: Would this be a circulation of the modeling results paper to MMS with time for review and questions? Or do we need a presentation to the group with discussion...

Tim: after Galveston: everyone was involved. Could lose value of the discussion if it's spread out.

Fai: a presentation would be good. Then the committee could discuss. Rick agreed.

RW: Hong Kie Thio is trying to get his model validated. He may have talked with Juan about getting Matlab results so he can make comparisons. Juan, have you discussed with HKT?

Juan: yes, but don't recall details. Hong Kie asked and received the results from Matlab.

Kara: so we should make that available as part of the process.

Dmitry: we could put into the summer meeting a slot where people could present new models if they have them

Fai: We should involve Rocky when discuss models because NOAA does not endorse or approve models. Rocky referred to the proceedings as validation and wouldn't give Fai an endorsement. Fai will fwd email from Rocky to Kara.

Summary: Kara will send out a draft document to the group for this in the next 2 weeks. Conclusion is that anyone seeking to benchmark their inundation model and receive MMS approval must complete the following steps:

1. Complete Inundation BP1, BP4, BP6 and BP9
2. Write a paper to document the experiments and results
3. Present results via webinar or in person to MMS

Then,

4. MMS votes on acceptance, if approved
 - a. the new model will be added to the ["NTHMP Benchmarked tsunami models" document](#)
 - b. And an addendum document to the [Proceedings and results of the 2011 NTHMP Model Benchmarking Workshop](#) (Addendum document still to be created)

Other Business

Kara: Regarding the joint MMS-MES meeting agenda, MES has requested a document from MMS for laymen's terms on tsunami models. This will probably include information from the ["NTHMP Benchmarked tsunami models" document](#) master list of accepted models, but make it clearer, more generalized, and easier to read.

Meeting adjourned 12:40PM PDT.