

**Meeting Title** NTHMP Mapping and Modeling Subcommittee

**Purpose** MMS Project updates

**Location:** Teleconference

**Date** Tues, 2 October 2019

**Participants** Jon Allan, Diego Arcas, K. Fai Cheung, Corina Forson, Daniel Eungard, Kara Gately, Stephan Grilli, Chip Guard, Juan Horillo, Jim Kirby, Stephanie Ross, Kelly Stroker, Kelly Carignan, Rick Wilson, Victor Huerfano, Carrie Garrison-Laney, Elizabeth Vanacore Maher

**Introductions (Attendee list taken at start of meeting)**

**Agenda**

1. DEM update + new DEM needs (All)
2. Sediment transport workshop discussion (All)
3. Others

**DEM development Update plus CY20 needs (All):**

Jon - reminded the group to begin thinking about DEM needs for CY2020.

Kelly C - provided a status update on ongoing activities. Noted that under the Coastal Act, DEM development is underway for multiple sites in the Gulf region and along the southern eastern seaboard.

Noted, that if conversions are needed, NCEI can help with that.

Tiles being developed for the Gulf, had been completed.

Other areas being worked on are along the Oregon and Washington coasts.

Corina – Mentioned that WA has just taken delivery of new lidar for the northern half of the outer coast. Hoping that these data can be integrated into the new WA DEM being developed for CY2019.

Jon – Any initial thoughts in terms of immediate sort of needs?

Victor – Requested assistance from NCEI with a version of lidar (DEM) that includes the built environment (buildings etc). Has a student working on modeling.

Kelly S will touch base with Victor to explore further.

Corina – mentioned that WA is interested in re-doing the SW WA outer coast. Noted that lidar is planned to be collected next year, such that timing wise it could be available late next year. Goal is to include newer data, plus extend modeling further up rivers.

**Action Item(s) - Ongoing. MMS members to think about DEM needs for CY2020.**

**Sediment Transport Workshop Planning (All):**

Jon – reminded the group of the need to keep moving forward with planning for an initial tsunami sediment transport workshop. A small working group was established at the SLC meeting but have yet to meet.

Stephen – Reminded the group of the proposed approach that is being discussed. Phase 1 would consist of an initial focused workshop on the state of the art for doing sediment transport modeling caused by tsunamis, where experts would be meet to explore topics such as the state of the art in modeling and in

benchmarking and what's available. Phase 2, would come much later and would be focused on actual model benchmarking.

Jon - Goal is to have this planning group then meet ASAP to begin scoping out Phase 1, since proposals for new work will take place in January.

Jim – noted that he and Stephan will be at a meeting together for 10 days in October, the plan would be to hash out some ideas then, and then meet with a broader planning group in late October (after the 25th). As a reminder the planning group consists of Jim, Stephan, Fai, Dmitry, Juan, Stephanie, Carrie and Diego; Jon to sit in.

Rocky – reminded the group about limitations for funding travel (non-federal government employees; federal government employees would have to fund their own travel. Cannot provide funding for international travel). Overall approach though for such a meeting would be the same as what's been implemented in the past.

Stephanie – noted that in order to get USGS participation, they need advance warning.

Jon – *Timeline for hosting such a meeting would be ~ January 2021 at the earliest.*

**Action Item(s)** - Ongoing. Jim/Stephan to work with Jon/Marie/Rocky to organize an initial planning meeting for late October.

**Other Topics:**

**Landslide guidance document (Jim)** – Jon reminded folks to review the document. Marie had sent a link to a google drive, where the document is stored:

<https://drive.google.com/open?id=1tau4GNTFraYEff8XdhuMjv-fbyxbiNfP>

- Task: Review the landslide guidance document by October 31.
- Jim – noted that there were several questions throughout the document needing answers... if you know the actual answers, please, please go ahead and share them.

**Action Item(s)** – MMS to review the Landslide Guidance document by October 31.

**MeteoTsunami guidance document (Juan)** – Work on the guidance document is mostly complete. Juan to discuss meteotsunami climatologies and guidance with Philip and Chin Wu next, refine the guidance document and then submit to MMS for review.

**MMS Terms of Reference (Jon)** – Jon gave a brief overview of a request from Rocky to review and update the MMS Terms of Reference. Jon and Marie to send the revised version to the MMS for their review. Responses needed by the end of the month.

*Addendum: Document was sent to the MMS for review on Friday, October 4<sup>th</sup>. MMS co-chairs request a turnaround by no later than October 25<sup>th</sup>. CC members have been asked to vote by email on the document.*

**Action Item(s)** – MMS to review the Terms of Reference document by October 25 and provide an email vote.

**Other discussions -**

**Corina:** asked Stephanie about any updates to the Powell Center workshop?

**Stephanie:** Continuing to work on it (weekly tag-ups). Reminded group of the forthcoming Pacific meeting (no date yet)... won't be considering Cascadia or Alaskan sources as part of this workshop.

**Diego:** Mentioned a source workshop coming up soon (November) for the Columbia Peru region, as part of the Pacific Tsunami Warning System. Bringing about 25 experts from the region as well as international experts to explore sources for the following areas: Colombia, Colombia, Ecuador.

**Jon:** Question on Pacific sources workshop. What is the plan for dealing with Cascadia and Alaska sources as a distant event for the Pacific area? How will that eventually be incorporated?

**Stephanie:** No clear plan right now.

**Rick:** Mentioned that they could potentially hold a future workshop to incorporate these results.

**Stephanie:** noted the separate Cascadia Powell Center workshop planning is ongoing. Hoping to have resolved sources ~2021. These data could then be incorporated into the Pacific Islands sources around then.

**Jon:** asked Rick about the status of the maritime guidance web page and the source database he has been developing.

**Rick:** Nothing has been accomplished since SLC.

**Kelly S:** Mentioned that NCEI is still a possibility to eventually store the source database that Rick has been collating...just not sure yet about next steps. Will need guidance from the group and especially Rick.

**Rick:** suggested that several folks involved in these activities should meet with Kelly to discuss further.

**Next Meeting:** To be scheduled