

Minutes of NTHMP M&M Subcommittee Meeting

NTHMP Annual Meeting Pasadena, CA

Meeting began at 1:30 PM Tuesday 26 January 2010.

In attendance: Rick Wilson (CA), Aurelio Mercado (PR), Roger Hansen (AK), Timothy Walsh (WA), Rob Witter (OR, Co-chair), Susan McLean (NOAA, Co-chair), Bill Knight (TWC), Juan Horrillo (GOM), Stephan Grilli (ATLEC), John Goeke (AS-PAC), Al Javois (USVI), Lisa Taylor* (NGDC), Chris Walsh* (GA), Aggeliki Barberopoulou* (CA), Vasily Titov* (PMEL), Costas Synolakis* (CA). * denotes non-voting members and guests

Agenda:

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|--|---------------------------|
| Welcome & Introductions | Sue McLean and Rob Witter |
| Review 2009-2010 Milestones & Budget | Sue McLean |
| Finalize Mapping & Modeling Guidelines | Rob Witter and MMS |
| Spring Meeting Agenda, Location, Dates | Sue McLean |
| Scope of Modeling Workshop | Rob Witter and Sue McLean |
| New Business | Sue McLean |
| Update MMS Action Items | Rob Witter and Sue McLean |

Welcome & Introductions: Sue McLean and Rob Witter welcomed all to the Annual MMS meeting and briefly reviewed the agenda. Attendees introduced themselves. The MMS is especially pleased to welcome new members Stephan Grilli, representing the Atlantic / US East Coast for Jim Kirby, John Goeke, representing American Samoa and the Pacific Islands, and Al Javois, representing the U.S. Virgin Islands. The MMS representative for Hawaii was unable to attend. With this new representation, the MMS has reached its full complement of 12 members.

Milestones and Budget:

Susan McLean reported on the final cost of the MMS Spring Meeting (held in Boulder April 2009). MMS budgeted \$20,000 for the meeting and the final cost was \$20,656. Jenifer Rhoades has been briefed and will address this directly with NGDC.

MMS funding for 2010 was approved out of contingency funding and includes two new items in addition to the original request of \$20K for the MMS Spring Focus meeting: 1) Organize and host an NTHMP Tsunami Model Benchmark Workshop in 2010 and 2) Develop 4 high resolution DEMs based on the National Priority List. The Spring meeting will address the following:

- Task 1.3 *Establish benchmark procedures for models*,
- Task 1.4 *All NTHMP-funded model code shall be open source*, and
- Task 1.5 *Develop guidelines to establish areas of inundation for non-mapped / low hazard areas*

There was considerable discussion related to Task 1.4. Questions primarily related to the intended community (all or NTHMP modelers), the level of support, and the wide range of options for sharing. The MMS agreed to request (and received) clarification on Task 1.4 at the briefing before the Coordinating Committee on Wednesday 27 January. Common issues related to citation and versioning (perhaps through a version control system) will be addressed at the spring meeting. [Note: Per direction from Vicki Nadoski, chair of the NTHMP CC, all NTHMP-funded model code will be publically available, but provided with no requirement for support. **Action: Update CC on this issue by March 2010.**]

| Task Name | NTHMP Performance Metric Supported | Requested Funds |
|---|--|---|
| Spring 2010 Annual MMS Meeting and Fall 2010 Benchmark Workshop | | |
| 1.3 Establish benchmark procedures for models | All NTHMP-funded models will meet established standards by 2012 | \$60K (MMS focus meeting & Benchmark Workshop – Travel to be Executed within NOAA) |
| 1.4 All NTHMP-funded model code shall be open source | Ensure NTHMP-funded model code is shared | |
| 1.5 Develop guidelines to establish areas of inundation for non-mapped and low hazard areas | Provide guidance to regions for which no inundation maps exist concerning tsunami threatened areas | |
| DEM Development Carried Out by NGDC | | |
| Develop high-resolution DEMs for 4 communities | Develop inundation maps for all communities with high tsunami hazard | \$150K |
| Total <u>Contingency</u> Funding Request for 2010 (Approved) | | \$210K |

Finalize Mapping & Modeling Guidelines

The MMS reviewed the latest (December) draft of the Guidelines from the working group established at the April 2009 meeting. All issues were addressed in the Modeling section and most issues were addressed in the Mapping section. In the interest of time, the few remaining issues related to classification of items as “guidelines” or “best practices” in the Mapping section were delegated to Rob and Sue. The final document will be distributed to the MMS for review before passing on to the MES and the CC. **Action: Complete revisions and send to CC for review** (Rob & Sue)

Action: Review and evaluate metadata “suggested topics” outline before Spring meeting (All)

Spring Meeting Agenda, Location, Dates

The MMS Spring meeting will be held in Boulder, CO for 2.5 days in early April. Rob Witter will send out a doodle poll to determine when the meeting will occur between 5-16 April. These dates were selected to avoid conflicts with the Tsunami Warning Tests (March 23), (???) meeting April 21-23, and the on-set of field season in May. **Action: Finalize dates for Spring Meeting** (Rob – Doodle poll)

Scope of Modeling Workshop

MMS has been tasked with hosting a Benchmark Modeling Workshop in 2010 to enable MMS modelers to benchmark their models against accepted NTHMP standards (NOAA TR PMEL 135). A small working

group, composed of Stephan Grilli, Juan Horrillo, Vasily Titov, Costas Synolakis, a modeler from Alaska (TBD), and at least one of the co-chairs will work to define the initial conditions, problems to be solved, recommend means of assessing results, and ensuring the required material to enable benchmarking is identified and available on the PMEL web site. The MMS is recommending the Workshop occur between mid-September and early November. The Working group will identify dates and venue. There are no special requirements for the venue other than a normal meeting facility in a central location, easy to reach, and affordable. There is no additional funding within the MMS to support work leading up to the Workshop, however there is funding to support travel expenses related to the Workshop. **Action: Schedule and hold first meeting of working group** (Juan/Stephan?)

New Business

1. NOAA Co-chair position (Sue McLean): This meeting marks two years, and the default rotation date, for Sue McLean as the NOAA Co-chair of the MMS. Possible NOAA replacements for this position have indicated that they may not be in a position over the coming year to devote the needed time to the MMS. Sue offered to continue in the co-chair position for one additional year. The MMS agreed to recommend the extension, pending CC approval. Bill Knight offered to assume the co-chair if the CC did not approve. Rob Witter will present to the CC on 28 January. [NOTE: The CC approved a 1-year extension]
2. California Tsunami Observers (Rick Wilson): Due to the lateness of the meeting, Rick was unable to fully brief the proposal distributed to the MMS prior to the meeting related to the establishment of a cadre of pre- and post-event tsunami teams to observe, collect, and process perishable event data. The MMS generally felt that, while the proposal had merit, it did not wish to request funding under this project proposal to help California develop guidelines for other states/territories to use. However, the MMS would be interested in providing assistance if California developed guidelines and best practices on its own.

Meeting adjourned at 6 PM

Minutes drafted by Susan McLean

Minutes reviewed and approved by attendees 19 February 2010