

Meeting Minutes

Mitigation & Education Subcommittee Meeting | May 11, 2016

National Tsunami Hazard Mitigation Program

1. Evacuation approaches resources and studies; Online map compilation and hazard assessment summary

The group discussed an online platform for accessing local maps and hazard assessment summaries across the states and territories for access by the public. The Mitigation & Education Subcommittee (MES) will take an incremental approach to implementation starting with a two-pager on the National Tsunami Hazard Mitigation Program (NTHMP) website or on tsunamizone.org until a technical platform is identified. Christa Rabenold, NOAA sent out a follow-on email outlining the project needs.

2. Update on post-tsunami protocols

Laura Kong, NOAA, briefed on the March WG-DIAP meeting (Working Group for Disaster Impact Assessments and Plans: Weather and Water Data, within Office of the Federal Coordinator for Meteorological Services and Supporting Research's Federal Committee for Meteorological Services and Supporting Research, Interdepartmental Committee for Meteorological Services and Supporting Research, OFCMS/FCMSSR/ ICMSSR). The update of the National Plan for Disaster Impact Assessments: Weather and Water, for Federal Agencies will have a Tsunami Protocol Annex. ITIC will consult with other agencies in FY17 to finalize the Annex. As States develop their plans, they will link to the Federal Agency plan to ensure a coordinated effort.

Kevin Richards, Hawaii Emergency Management Agency briefed on the new Hawaii Tsunami Survey Program (HTSP). The HTSP will leverage existing plans, policies, and resources for the collection and sharing of tsunami impact data. The protocol will follow the guidance of the US Protocol, with ITIC Director serving as the event liaison and coordinator between HI-EMA / County officials, and the Survey teams. HTSP will build upon the long-standing Hawaii Tsunami Observer Program to implement a coordinated data collection and data sharing plan that covers both Hawaii-based and incoming scientists and researchers.

Kevin Miller, Cal OES briefed that earthquake clearing house plans will fold in post-tsunami protocols. The concept is to form regional teams to arrive on the coast in the event of a tsunami and integrate into the existing structure of the clearinghouse.

3. Updates on tsunami mitigation in Oregon

Althea Rizzo, Oregon OEM is developing a tsunami comic book with Dark Horse Comics scheduled to release in September 2016. She presented on the tsunami online education

module targeting the hospitality industry. Participants are provided a certificate on completion. 100 people have used the module thus far.

The [“Waves” video](#) is provided to hotels to play in lobby, on in-room channels, and to link within confirmation emails to guests. This can be used by anyone outside of Oregon as well. Rocky Lopes suggested to include an article on the topic in TsuInfo Alert newsletter.

Althea is conducting the Island Mapping project to identify populations isolated by a Cascadia Subduction Zone event. The data will be available for local planning purposes.

Oregon OEM’s Tsunami way-finding project was completed in four communities. Walkouts were conducted on March 11th. Of the four communities, three received five signs, one received four signs. Thermal plastic was melted on road bed to raise awareness of the inundation zone. Thermal plastic lasts longer than pain in coastal conditions. The city managers were included in the project development. Oregon OEM provided the signs and the local communities installed them. The Oregon Department of Geology and Mineral Industries (DOGAMI) gave GPS points of inundation zones to designate sign locations. Althea will send information to Rocky for distribution to the group. Further way-finding research is being conducted to investigate signage lighting and ways of marking the route that goes beyond the blue sign. The paper is available for [download here](#).

Oregon OEM will host a Tsunami Conference Dec 7-8, 2016.

4. HAZUS Tsunami Module Update

Cynthia McCoy, FEMA Region X provided an update on the HAZUS tsunami module. The project team is working to integrate the tsunami hazard module into the HAZUS program – a loss estimation tool that operates off of the ArcGIS mapping platform. The project is focused on AK, HI, and WA in its current phase. The intention is to provide one of two options to the user: bring in real-time generation of data or a library of options of previously run scenarios. Currently the module is being tested in areas with good terrain and building stock data. Results will be compared against historic events. Several scenarios will be developed to simulate an asteroid induced tsunami for a NASA workshop. The tsunami module will be integrated with the HAZUS version released in (approximately) second quarter of FY17. Kevin Miller, Kevin Richards, Maximilian Dixon, and Althea Rizzo would like find out more about being a beta user. Cynthia will forward names to the HAZUS modernization team for potential involvement of beta users. Testing will be at end of this year or early next year.

5. Maritime Guidelines Course of Action

Kevin Miller briefed on the Maritime Mapping Guidance. The MES should review the document ahead of summer meeting (for a copy reply to this email). Mapping and Modeling Subcommittee representatives will attend to work with MES. We will conduct a working session to further develop the guidance in addition to a smaller team for additional development.

6. Summer Meeting Agenda Development

Kevin Miller indicated the MES would like a core group to assist with continuing development of the summer MES Meeting agenda. We will query for an initial teleconference, anticipating 1-2 phone calls, then follow up by email as needed for consensus on a summer meeting agenda for our three day meeting.

- We are accepting additional agenda items and looking for folks to formulate the agenda
- As the date gets closer we will ask for presentations at the end of June as well as planning a dinner
- Logistical information will be posted to the NTHMP website

Asked for volunteers. Rocky Lopes, Kevin Richards, and James Waddell volunteered (in addition to MES Co-Chairs Laura Kong, Gala Gulacsik, and Kevin Miller). Kevin will send a query email to schedule the first meeting during the next two weeks.

7. How are we going to communicate (e.g. email, basecamp, etc.)?

Kevin Miller indicated we would like a way to communicate about projects relevant to the MES. Basecamp was mentioned as a file-sharing, project management, communications project management tool available online. This may be supported by FEMA, and has worked well for other projects. Chayne Sparagowski mentioned "Slack" as another tool used by the IAEM ETC group and provided some examples. There were generally no objections to testing one of these options out, other than potential access restrictions by government agencies. The tool selected will depend on the support provided to cover the cost. This is something we will test out, using this summer as a trail period.

Kevin Miller asked for additional items, questions (none were presented), and thanked everyone, adjourning the meeting after approximately 12:05 PDT.