

National Capitol Region Hazus User Group Conference Call

Thursday, August 25, 2016 at 7am PT / 10am ET

Leader: Cynthia McCoy, FEMA Region X – Risk Analyst - 425.487.2241 - cynthia.mccoy@fema.dhs.gov

Thanks:

- Thanks to everyone who is attending the call today and for the presenter who shared with us.
 - o Cynthia McCoy (FEMA Region X)
Hazus-MH Tsunami Model Integration, High Level Design Overview (slides 7-19)

Meeting Notes:

- **Call Details** – Meeting minutes, presentation and audio will be posted after the call (slide 2)
- **Agenda** – (slide 3)
- **Announcements** (slide 4-6)
 - o **Upcoming Hazus Courses**
 - E0317: Comprehensive Data Management for Hazus-MH August 29 –September 1, 2016
 - E0179: Application of Hazus-MH for Disaster Operations September 26 –29, 2016

EMI Hazus Course Update to Hazus-MH 3.0 and ArcGIS 10.2.2

- **Update Round 1 COMPLETE:** E313 Basic Hazus-MH& E172 Hazus-MH for Flood:
 - Courses will be ready to host during next slated occurrence in EMI Course Calendar (Fall/Winter 2016)
- **Update Round 2:** Courses ready during next slated occurrence(Spring/Summer 2017)
 - E0176: Hazus-MH for Floodplain Managers
 - E0317: Comprehensive Data Management for Hazus-MH
 - E0179: Application of Hazus-MH for Disaster Operation
 - E0296: Application of Hazus-MH for Risk Assessment
 - E0170: Hazus-MH for Hurricane
 - E0174: Hazus-MH for Earthquake
- o **9th Annual Hazus Conference 2016** - Charleston, SC
 - November 7 –9, 2016
 - **Theme:** *'Achieving Disaster Resilience through Hazus Innovation'*
 - **Conference registration website is up:** www.hazusconference.com
 - Registration is open through **November 1, 2016**
- o **Geospatial Resources and Natural Hazard News**
Smart Communities Innovation Challenge
“foster transformational approaches to improving the productivity and efficiency of mobile field workers” across all levels of government. Full information about the grant as well as the full grant description are available here: <http://go.esri.com/mobile-grant>

USDA Forest Service Geospatial Training

<http://fsweb.geotraining.fs.fed.us/www/index.php>

Webinar Recording -Introduction to the Spatial Statistics Toolbox in ArcGIS (Eric Pimpler)

<http://geospatialtraining.us12.list->

[manage.com/track/click?u=114af1648b1b32ceafef9b43a&id=07a88a7596&e=9193bca405](http://geospatialtraining.us12.list-manage.com/track/click?u=114af1648b1b32ceafef9b43a&id=07a88a7596&e=9193bca405)

- **Presentation** - Hazus-MH Tsunami Model Integration, High Level Design Overview (slides 7-19)
 - Incorporating the HazusTsunami Methodology (FEMA, 2013)
 - Release Contents – March 2017 – Hazus 4.0
 - Operate on Arc GIS 10.4
 - Require 64 Bit System, Windows 7.0, 8.0 or 10.0 Operating Systems
 - Testing : December 2016 / January 2017
 - Please contact Cynthia McCoy if interested: Cynthia.mccoy@fema.dhs.gov
 - Primary Areas of Risk for Creating Study Regions
 - 72 Counties in the 5 Very High Risk States (AK, CA, HI, OR and WA)
 - 5 High tsunami risk Territories (Guam, American Samoa, Commonwealth of Northern Mariana Islands, Puerto Rico and the U.S. Virgin Islands)
 - As determined by the National Tsunami Hazard Mitigation Program (NTHMP)
 - Hazard Type
 - Near Source Tsunami -Combined tsunami & earthquake impacts
 - Distant Tsunami -Tsunami impacts only
 - Required for Analysis
 - Maximum Inundation Depth (ft)
 - Maximum Momentum Flux (ft³/sec²)
 - Casualty Model
 - leverage the USGS Pedestrian Evacuation Analyst tool
 - Estimating travel time in minutes along road network
 - Probability of Casualties and Fatalities
 - Input Data:
 - Time of day and year
 - Average walking speed
 - Function of evacuation route grade (DEM) and demographics (age and gender)
 - EQ damage assessment
 - Evaluation of Community Preparedness
 - Future releases of the Tsunami Model will include
 - Essential Facilities
 - Displaced Households and Shelter
 - Debris Analysis (inventory and methodology gaps)
 - Lifelines/Infrastructure (inventory and methodology gaps)
 - Development of training courses, technical and user manuals

- **Visualization of the Month**

- Living Atlas of the World Analytics : Esri Drought Tracker <http://livingatlas.arcgis.com/drought/>
 - Temporal –15 years of data, Trends over time, Map points in time
 - How successful is this at communicating hazard risk?
 - Can be used in coordination with the National Agriculture Specifics dataset
 - Use Crop Layers, broken down by land use
 - Similar tracking and data analytics could be used to illustrate the annual risk of riverine flooding from snowmelt, forest fires, etc.
 - Could compare flood frequencies or gauge output over time

- **Available Outreach Materials & Hazus Contacts** – (Slides 21-22)

Related Documents/Links:

- This Month's Slide Deck with Audio Recording:
http://www.usehazus.com/uploads/forum/August2516_NationalCapitolRegionHUG_Presentation_FINAL.pdf
- All NCR HUG Recordings:
<http://www.freeconferencecalling.com/Recordings/Podcast.aspx?bridge=697620&accountid=1116753>

Useful Links:

[Hazus Download Page](#) on the Map Service Center

[User Release Notes](#) for Hazus-MH 3.0

[Hazus Modernization Factsheet](#)

[Dasymetric Data Overview](#) and [Flyer](#)

[Hazus-MH 2.1 Technical and User Manuals](#), the most current technical documentation for Hazus

[Hazus Online Download Tutorial and Quick Reference Guide](#)

[Foundation Height Flyer](#)

[Virtual and EMI Course listings flyers are now up on fema.gov](#)

[Check to see if you qualify for HazusProfessional or Practitioner Certification](#)

Hazus Outreach team email:

- New: hazus-outreach@riskmapcds.com

Next Call: Thursday, October 27, 2016 at 10AM ET / 7AM PT (**NO SEPTEMBER CALL**)

- Conference # 1-302-202-1110
- Pass code # 697620
- Risk Assessment Presentation: TBD
- How to Presentation: TBD