

National Capitol Region Hazus User Group Conference Call

Thursday, September 24, 2015 at 10am

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 presenters who shared with us.
 - o Jesse Rozelle- Jesse.rozelle@fema.dhs.gov (FEMA Region VIII): Hazus Earthquake Seismic Risk Assessment for Cairo, Egypt (slides 7-40)
 - o Casey Zuzak – casey.zuzak@fema.dhs.gov (FEMA Region VIII): Hazus UDF Data Preparation and Data Exporter Tool (Slides 41-51)

Speakers:

- **Call Details** – Meeting minutes, presentation and audio will be posted after the call (slide 2)
- **Agenda** – (slide 3)
- **Announcements** (slide 4-6)
 - o Hazus Courses at EMI announced through January 2016 (training.fema.gov/emiweb)
 - Next class coming up is E179 Application of Hazus-MH for Disaster Operations: September 28-October 1, 2015
 - EMI Hazus Training Specialist – Jordan Manos (Jordan.manos@fema.dhs.gov)
- **8th Annual Hazus User Conference**
 - o Atlanta Georgia – December 9-11, 2015
 - o Theme: "Hazus and the Emergency Management Life Cycle: From Practice to Policy."
 - o Registration is free and you can reserve your ticket at <http://www.hazusconference.com/>
 - **Abstracts:** Participants and attendees are encouraged to submit presentation abstracts that address this theme and any of the four phases of the Emergency Management Life Cycle
 - Abstracts should be around 150 words in length and submissions should also include the presenter's complete contact information and a brief biography
 - All abstract submissions should be emailed to the Hazus Outreach Team at hazus@arcaspicio.com and must be received no later than **October 1st, 2015**.
- Geospatial Resources and News (Slide 6)
 - o **Mapping Hurricane Katrina's Aftermath**
 - <http://www.smithsonianmag.com/history/these-maps-show-severe-impact-hurricane-katrina-new-orleans-180956364/?no-ist>
 - o **New online tool helps reduce flood impact**
 - <http://www.stawelltimes.com.au/story/3315674/new-online-tool-helps-reduce-flood-impact/>
- **Presentation** - Hazus Earthquake Seismic Risk Assessment for Cairo, Egypt (slides 7-40)
 - o International Applications: GIS based method for exporting the Hazus Earthquake Model for Global Applications
 - Concept :
 - Utilize Hazus earthquake model outside the U.S.
 - Start with a Proxy Building Stock and replace with local information.

- Focus limited resources towards developing inventories, engineering parameters and hazard data rather than new software.
 - Prevents duplication of effort
 - Developing International Building Inventories
 - EERI's World Housing Encyclopedia <http://www.world-housing.net/>
 - Hazus Advanced Engineering Building Module (AEBM)
 - Hazus New Building Type Wizard
 - Hazus Comprehensive Data Management System (CDMS)
 - ROVER (Rapid Observation of Vulnerability and Estimation of Risk) data collection tool
 - Integration of Data Sources
 - LANDSCAN 2012 Global Population Database for Egypt
 - 1 km grids (10 km and 100 km where pop <1,000)
 - Oak Ridge National Labs <http://www.ornl.gov/landscan/>
 - *Demographics: Age and Male/Female provided by City of Cairo*
 - Seismic Code History in Egypt
 - Pre-Code < 1993 (no code)
 - Low Code 1993-2004 (UBC, Zone 1-2)
 - Moderate Code >2004 (UBC, Zone 3), Quality 1 only
 - Most structures are concrete Frame with Unreinforced Masonry Infill Walls
 - Hazard Data – USGS 1992 Cairo EQ ShakeMap
- **Presentation** – Hazus UDF Data Preparation and Data Exporter Tool (Slides 41-51)
 - Create geospatial tool to prepare, analyze and export data
 - Data Preparation Tool, Data Export Tool & Data Analysis Tool
 - **Data Preparation Tool:** prepares the data for analysis and if structure data are incomplete, utilizes assumptions to estimate values for foundation type and building square footage
 - **Data Export Tool:** prepares the dataset to have the attributes necessary for FEMA's User Defined Facility (UDF) database
 - **Data Analysis Tool:** runs scenarios using 100-year flood and 2013 flood event data plus regulatory information to estimate regulatory losses avoided
 - **Resources**
 - FEMA Region VIII FTP site: <https://data.femadata.com/Region8/>
 - Losses Avoided Study: https://data.femadata.com/Region8/ColoradoFlooding_2013/Losses_Avoided_Study/
 - Hazus UDF tool: https://data.femadata.com/Region8/ColoradoFlooding_2013/Losses_Avoided_Study/Hazus_UDF_Tool/
 - FEMA RVIII Hazus Level 2 SOP: https://data.femadata.com/MOTF/SOPs/Hazus_Level_2_Site_Specific_Flood_Analysis.pdf

Related Documents/Links:

- 9/24/15 Slide Deck with Audio Recording:
http://www.usehazus.com/uploads/forum/September242015_NationalCapitolRegionHUG_PresentationB.pdf
- All NCR HUG Recordings:
<http://www.freeconferencecalling.com/Recordings/Podcast.aspx?bridge=697620&accountid=1116753>
- Hazus application and state datasets direct download: <https://msc.fema.gov/portal/resources/hazus>

Next Call: Thursday, October 29, 2015 at 10AM EST

- Conference # 1-302-202-1110
- Pass code # 697620
- Presentation: FEMA Region X -Tsunami Model for Hazus-MH
- Presentation: Tsunami Modeling for WA