

Listen to the recording here to follow along with the presentation:

http://www.freeconferencecalling.com/recordings/Recording.aspx?fileid=LA F3494_06302016070312809_1157444&bridge=697620&email=&accountid=1116753

National Capitol Region HAZUS User Group Call



HAZUS
EARTHQUAKE • WIND • FLOOD **MH**

June 30, 2016

10:00 AM ET / 7:00 AM PT

NCR HUG Call Details

Conference Call Details:

1. Dial-in: 1-302-202-1110
2. Conference code: 697620

Join the Meeting through Adobe Connect:

(No Registration Required)

[Click here to access the Adobe Connect meeting](#)

The call will be recorded and the audio will be combined with the presentation and sent out at the end of the call. The audio and presentation will also be made available on the following websites:

NCR HUG Use HAZUS page - <http://www.usehazus.com/ncrhug>

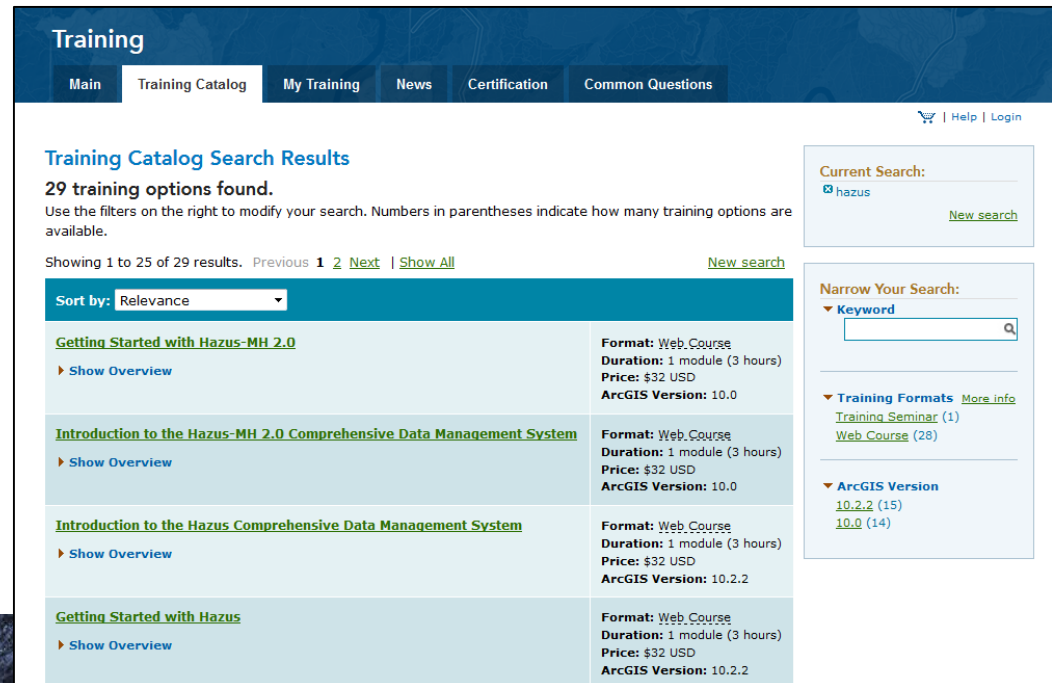
NCR HUG LinkedIn page - http://www.linkedin.com/groups/National-Capitol-Region-HAZUS-User-4790251?trk=myg_ugrp_ovr

Agenda

- **Welcome + Announcements**
 - Upcoming HAZUS training at EMI
 - 9th Annual Hazus Conference
 - New geospatial resources
 - Update from Esri UC 2016
- **InLet: Internet-based Loss Estimation Tool**
 - Charles K. Huyck, *ImageCat, Inc*
- **Request for Volunteers** – Next NCR HUG Call
- Adjourn

Virtual Hazus Courses through Esri

- All virtual courses now posted on the [Esri Training Catalog](#)
 - 15 new courses in total (14 posted)
 - Courses can be taken with Hazus-MH 3.0 or 3.1
- All Hazus-MH 2.0 Courses will be retired on July 1st, 2016
 - Those users with current access to these courses will not lose their materials for one year after being taken down, but no new downloads will be allowed after this date



The screenshot shows the 'Training Catalog Search Results' page. The search term is 'hazus', and 29 training options were found. The results are sorted by Relevance. The first four results are listed below:

Course Title	Format	Duration	Price	ArcGIS Version
Getting Started with Hazus-MH 2.0	Web Course	1 module (3 hours)	\$32 USD	10.0
Introduction to the Hazus-MH 2.0 Comprehensive Data Management System	Web Course	1 module (3 hours)	\$32 USD	10.0
Introduction to the Hazus Comprehensive Data Management System	Web Course	1 module (3 hours)	\$32 USD	10.2.2
Getting Started with Hazus	Web Course	1 module (3 hours)	\$32 USD	10.2.2

Additional search filters on the right include 'Narrow Your Search' with a keyword field, 'Training Formats' (Training Seminar: 1, Web Course: 28), and 'ArcGIS Version' (10.2.2: 15, 10.0: 14).



Upcoming HAZUS Courses at EMI

- ✓ **COMPLETE:** E313 Basic Hazus-MH & E172 Hazus-MH for Flood:
 - Updated to Hazus-MH 3.0 and ArcGIS 10.2.2
 - Courses will be ready to host during next slated occurrence in EMI Course Calendar (Fall/Winter 2016)

E0176: Hazus-MH for Floodplain Managers July 18 –21, 2016

E0317: Comprehensive Data Management for Hazus-MH August 29 –September 1, 2016

E0179: Application of Hazus-MH for Disaster Operations September 26 –29, 2016

E0296: Application of Hazus-MH for Risk Assessment

E0170: Hazus-MH for Hurricane

E0174: Hazus-MH for Earthquake

- **Update Round 2:** Being updated to Hazus-MH 3.0 and ArcGIS 10.2.2
- Courses ready during next slated occurrence (Spring/Summer 2017)

HAZUS Training Specialist at EMI: Paul Ganem - paul.ganem@fema.dhs.gov

To apply for a HAZUS training course, please visit: <http://training.fema.gov/Apply/>

- To enroll, download the Admission Application For further information on registration, please visit training.fema.gov/emiweb

EMI is moving forward with Virtual and Distance Training opportunities.



9th Annual Hazus Conference 2016

College of Charleston in Charleston, SC

November 7 –9, 2016

- Theme: *‘Achieving Disaster Resilience through Hazus Innovation’*
- Organized and hosted by the South Carolina Emergency Management Division and College of Charleston Lowcountry Hazards Center
- **Conference registration website is up: www.hazusconference.com**
 - Registration is open through **November 1, 2016**
 - Special hotel room rates have been blocked out near the College of Charleston; check out the registration site for more details
- **Submit an abstract:**
 - Abstracts should address the theme and be around 150 words in length, including the presenter’s complete contact information and a brief biography
 - All submission made to hazus-outreach@riskmapcds.com no later than **August 15, 2016**

New Geospatial Resources & Natural hazard News



The National Wildlife Federation - Released this document highlighting 12 communities in the country that have used nature to mitigate risk.

http://www.nwf.org/~media/PDFs/Global-Warming/Reports/NWF_Natural-Defenses-in-Action_Report.ashx

U.S. CENSUS BUREAU 2016 SUMMER CAMP WEBINAR SERIES

FREE Online Trainings on How to Access and Use our Statistics

http://www.census.gov/mso/www/training/index.html?eml=gd&utm_medium=email&utm_source=govdelivery

Esri User Conference 2016 – Highlights

Esri Offers Free Self-Paced E-Learning through New Training Site

<http://www.esri.com/esri-news/releases/16-2qtr/esri-offers-free-selfpaced-elearning-to-customers-through-new-training-site>

Insights for Arc GIS (available with Arc GIS 10.5)

<http://www.esri.com/products/arcgis-capabilities/insights>

National Water Center – National Water Model

<http://water.noaa.gov/about/nwm>

InLet: Internet-based Loss Estimation Tool

Charles K. Huyck
Executive Vice President
ImageCat, Inc
400 Oceangate, Suite 1050
Long Beach, CA 90802
CKH@imagecatinc.com
<http://imagecatinc.com>



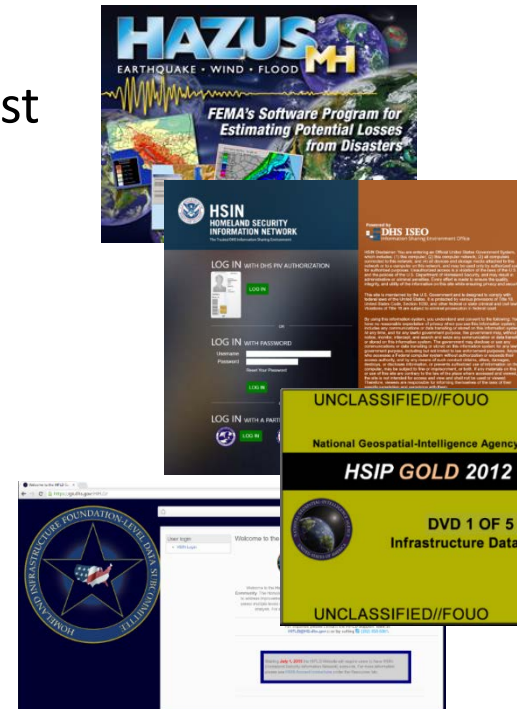
Setting the stage

- Post event, decision-makers need to know the magnitude, scope, and spatial distribution of damage in order to effectively assess impact and allocate resources.
- Planning scenarios are very handy
- Not everyone has sophisticated risk analysts on staff
- Data is sensitive
- Time is money
- Loss estimation pits the pace of technology against the pace of geology



HAZUS: FEMA's preeminent loss estimation software

- Requires ArcGIS and Spatial Analyst for flood
- Tricky to install
- Best data not available to public
 - FOUO "For Official Use Only"
 - Not backward compatible



Inlet: Internet-based Loss Estimation Tool

- Earthquake loss estimation tool for California
 - Custom
 - USGS Scenario
 - A real time loss estimation tool
 - Shakecast reports
- A quick, easy way to access loss results
 - Results are produced in less than a minute
 - No expertise required
 - No GIS required
- Developed on an NSF grant- launched in 2007!
- Simplified HAZUS models- within %5
- Number of buildings by damage state, not fiscal loss
- Returns results in seconds, not hours
- Fun



What InLET is not:

- A replacement of HAZUS
- A highly customizable research tool
- A tool for level 3 analysis
- A tool to be run within your GIS

Advantages of an online system

- Bing Based
 - Modest use-based fee
 - No GIS license
- User Friendly
 - No engineers or GIS staff required
 - Can be used throughout agency
- Can be used by locals with no HAZUS abilities
 - Planning
 - Scenarios
 - Hazard mitigation reports



More Advantages of an online system

- Updates are easy
 - Data and version updates cascade instantly: no DVDs
 - No worries about ArcGIS version
 - Open Components: no backward compatibility issues
 - No OS issues
 - No installation issues
- Data: Centralized
 - Level 2 data updates could cascade to all users (facilities, mapping schemes, faults, etc...)
 - No problems with different versions of data
 - Results based on master dataset
 - Data sets do not have to be visible to end user (e.g. pipelines, communication facilities, soils, substation locations, commercial data, even refined bridge locations can be considered sensitive)

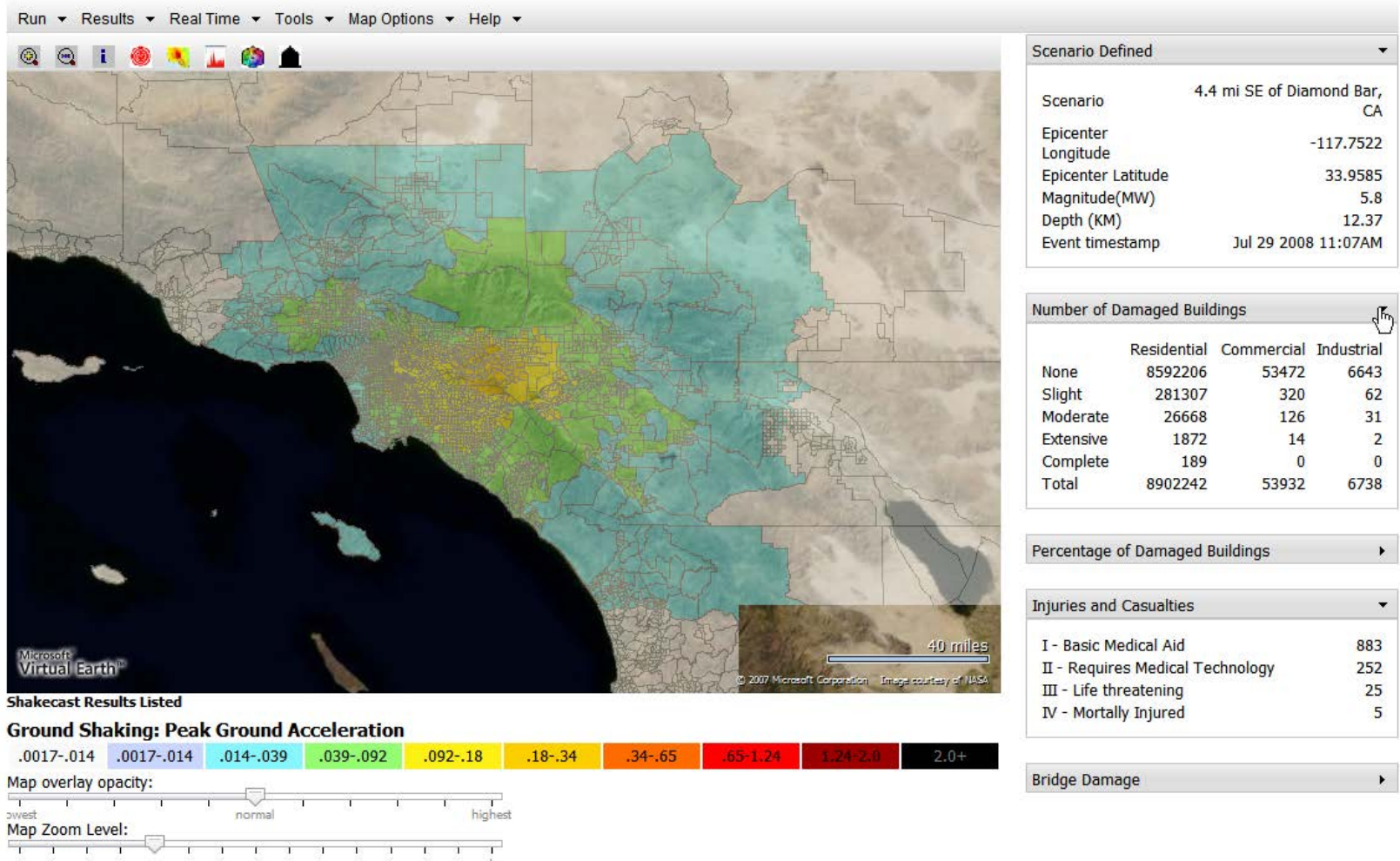


Even more advantages of an online system

- Data can be pushed to local governments for updates through the same data repository
- FAST
 - Results available right after an event (deployment, declarations, resource allocation)
 - Used for response as well as mitigation
- Can be integrated seamlessly with other web-based efforts
 - Portals
 - Agent-based evacuation models
 - Transportation studies
 - Disaster data/blog Web-crawlers
 - Crowd-sourcing



Chino-Hills event



Did you feel it?



Earthquake Hazards Program

[California](#) [Alaska](#) [Hawaii](#) [W. Mountain](#) [Pacific NW](#) [Northeast](#) [Central US](#) [Puerto Rico & US Terr.](#) [Outside US](#)

[View map](#) [Archives](#) [Unlisted quake](#) [Scientific background](#) [Disclaimer](#) [FAQ](#) [Comments](#) [Region home](#)

Event 14383980: [ZIP Map](#) | [Additional Maps and Data](#) | [Did you feel it? Tell us!](#) | [Statistics](#)

Statistics for event 14383980

3 miles SW of Chino Hills, CA Mag: 5.4

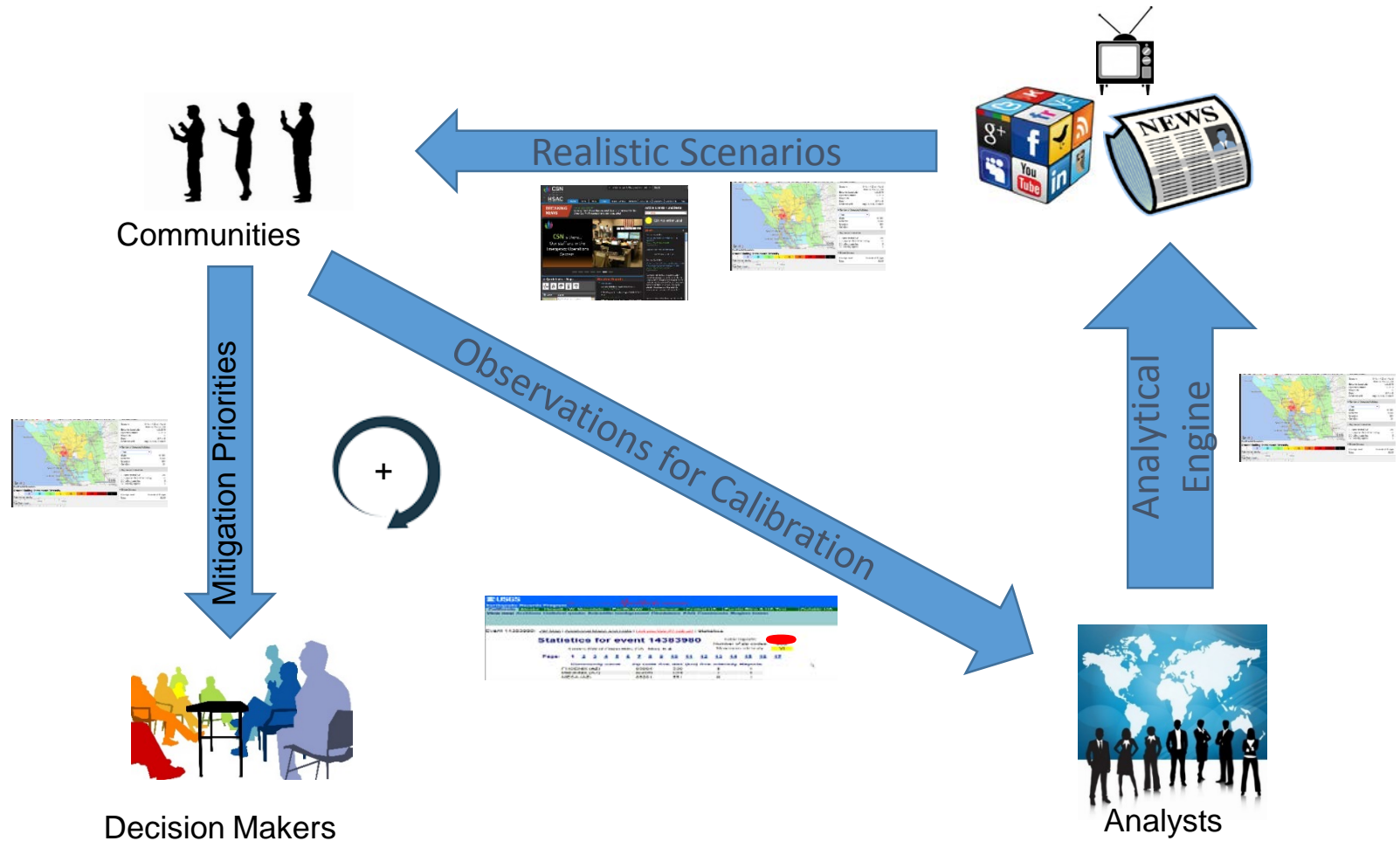
Total reports: 40321
Number of zip codes: 802
Maximum intensity: VI

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Community name	Zip code	Ave. dist. (km)	Ave. intensity	Reports
PHOENIX (AZ)	85004	530	II	1
PHOENIX (AZ)	85029	524	I	1
MESA (AZ)	85201	551	III	1



The spiral of optimism and action: CSN



Available Outreach Materials

FEMA Map Service Center (MSC) Hazus Download <http://msc.fema.gov/portal/resources/hazus>

Announcements on Hazus fema.gov <http://www.fema.gov/hazus>

Software and Educational Materials <https://training.fema.gov/emi.aspx>

Hazus Hotzone Newsletters <https://www.fema.gov/media-library/assets/documents/101915>

Virtual and EMI Course listings flyers are now up on fema.gov

<http://www.fema.gov/media-library/assets/documents/105722>

Check to see if you qualify for Hazus Professional or Practitioner Certification

<http://www.fema.gov/fema-hazus-multi-hazard-training-credentialing-program>

Documentation

Hazus Download Tutorial & Factsheet

<http://www.fema.gov/media-library/assets/documents/31693>

Flyers & Handouts

<http://www.fema.gov/media-library/assets/documents/105722>

User Release Notes

<https://www.fema.gov/media-library/assets/documents/105743>

Technical Manuals

<http://www.fema.gov/media-library/assets/documents/24609>

Hazus Contacts

Technical Support

HazusHelp Desk: hazus-support@riskmapcds.com

Program Contact

Scott McAfee: scott.mcafee@fema.dhs.gov

EMI HazusCourse Contact

Paul Ganem: paul.ganem@fema.dhs.gov

NEW Outreach Email

HazusOutreach Team: hazus-outreach@riskmapcds.com

National Capitol Region Hazus User Group Leader

Cynthia McCoy: cynthia.mccoy@fema.dhs.gov

Next Call

Thursday July 28, 2016 at 10:00 AM ET / 7:00AM PT

Use the same number and conference code for each call:

Call **1-302-202-1110** and enter this conference code # **697620**

****Request volunteer for next month's presentation**

- HAZUS / Risk Assessment project
- HAZUS “How to” presentation

Meeting notes and an updated presentation with audio will be sent out after this call

Adjourn