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## DRU: Building Networks, Partnerships, and Resources

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*University of Oregon & Universities and Colleges Caucus of IAEM*

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**Building Networks, Partnerships, & Resources**  
**Disasters Resilient Universities**

**André Le Duc**

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IAEM-Universities & College Caucus Chairperson  
University of Oregon Enterprise Risk Services  
Executive Director

# What is a Resilient University ?

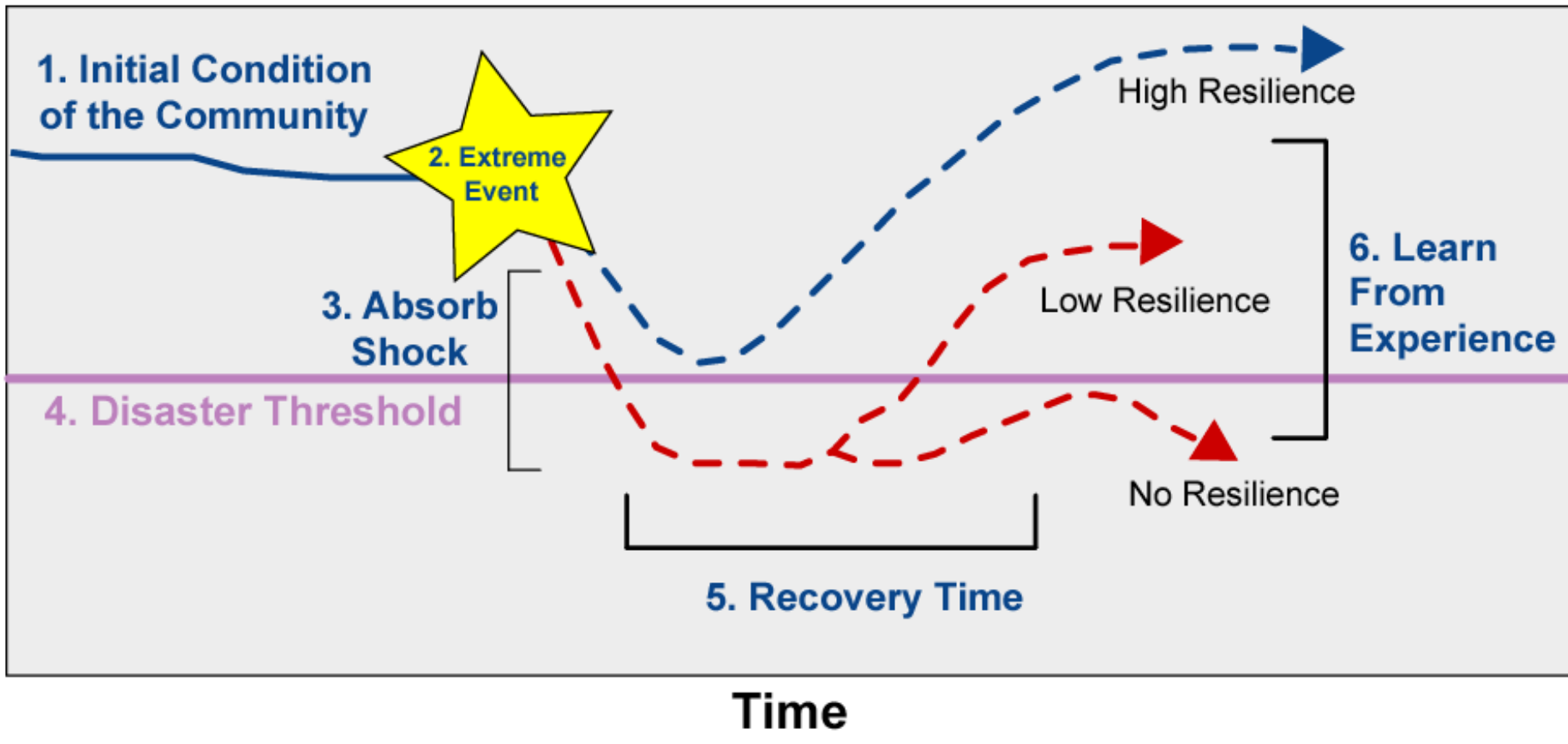
*A **resilient university** is one that is still able to achieve its core objectives in the face of adversity.*

*This means not only reducing the size and frequency of crises (**vulnerability**) but also improving the ability and speed of the organization to manage crises effectively (**adaptive capacity**)...*

*To effectively manage crises, organizations also need to recognize and evolve in response to the complex system within which the organization operates (**situation awareness**) and to seek out new opportunities even in times of crisis.”*

**Source:** *Building Organizational Resilience: A summary of Key Research Findings, Resilient Organizations Program, New Zealand 2006*

# Understanding Resilience



# The history of the Disaster Resilient Universities (DRU) Concept

- FEMA's Disaster Resistant Universities (DRU) Pilot Program
  - 2000: Initial 6 campuses were awarded funding
  - 2005 : last year of DRU grant funding
- Fall of 2005, a small number of DRU campuses decided to move the initiative forward
  - 2005: 35 members
  - 2013: 910 members

# What is the DRU network?

## Mission:

- Is to facilitate open communication, discussion, and resource sharing between university/college practitioners charged with making our campuses more disaster resilient.

## Goal:

- Is to provide a simple resource that can increase communication, coordination, and collaboration between universities.

# Three C's : A Continuum of Relationships

## COMMUNICATION

- Informal Relationships
- Information shared only
- No clearly defined mission, structure, or planning effort
- Resources kept separate
- Autonomous authority retained
- Virtually no risk



## COORDINATION

- More formalized Relationships
- Understanding of shared mission
- Coordination occurs around a specific effort or program
- Open communication channels between organizations
- Resources are made available to participate
- Rewards are shared
- Risk increases



## COLLABORATION

- More durable relationships
- Separate organizations are brought into a new structure
- Share vision and mission
- Comprehensive planning required
- Well-defined communication on all levels
- Each member contributes resources and reputation
- Collaborative structure determines authority
- Partners pool or jointly secure resources
- Results and rewards are shared
- Risks are much greater



# Why is the DRU Network unique?

## Peer –to– Peer network

- It is not owned by any one profession, organization, or entity...

## Provides a common ground

- Campus Safety, Health, and Environmental Management Association (CSHEMA)
- International Association Campus Law Enforcement Association (IACLEA)
- International Association of Emergency Managers - Universities & College Caucus (IAEM-UCC)
- International Association Police Chiefs - Universities & College Section (IAPC-UCS)
- University Risk Management & Insurance Association (URMIA)
- And others...

# DRU & IAEM-UCC Partnership

- 2007, the International Association of Emergency Managers - Universities & College Caucus (IAEM-UCC) was formed
  - IAEM-UCC established a strong collaborative partnership with the DRU Network
- 2007-2013, the partnership has lead to a number of products and resources

# DRU – UCC Products & Resources

- DRU Listserv
- DRU Community of Practice Repository
- Annual workshops – both national & regional
- Webinar series
- Practitioner-based training and course development
- Standards & resilience crosswalk tool

# DRU – UCC Products & Resources

## cont.

- Emergency Management Accreditation Program (EMAP) for Institutions of Higher Education
- University Incident Management Teams (IMT)
- Incident tracking and mutual aid
- Partnership development (e.g. federal agencies, professional associations, academic programs/research, etc. )

# Emergency Management Accreditation Program (EMAP)



Username   login

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View your shopping cart

**Learn More about EMAP Accreditation**

Interested in being EMAP Accredited?

Learn more about the 6 steps to accreditation or start your assessment by subscribing to EMAP today!

Accreditation

Commission

## The EMAP Standard



The *Emergency Management Standard* by EMAP is the set of 64 standards by which programs that apply for EMAP accreditation are evaluated. The *Emergency Management Standard* is designed as a tool for continuous improvement as part of the voluntary accreditation process for local and state emergency management program.

The Emergency Management Standard is now available [online](#).

The *Emergency Management Standard* covers:

- Program Management
- Administration and Finance
- Laws and Authorities
- Hazard Identification, Risk Assessment and Consequence Analysis
- Hazard Mitigation
- Prevention
- Operational Planning
- Incident Management
- Resource Management and Logistics
- Mutual Aid
- Communications and Warning



# DRU Incident Tracking & Mutual Aid

Two examples

- 2009 H1N1
  - Impact Map
- 2012 Hurricane Sandy
  - Closure Data
  - Virtual DRU Emergency Coordination Center

# DRU & Crisis Commons Partnership



## CrisisCommons

connecting people, tools, & resources to support crisis response

About Blog Wiki Get Involved



**We connect people to help those in need**

## Learn more about CrisisCommons



### Our story

CrisisCamp began as an idea for an event to bring together people ...



### Volunteer

Welcome to our community! If you would like to join current and/or ...

## In the news






CrisisCamp's goal is to gather topic experts, app developers and emergency first responders to create better technology and practices for crisis management and disaster relief."


— ReadWriteWeb

## Follow what we're up to!

If you're interested in keeping up with CrisisCommons, please follow us on Twitter, Facebook and subscribe to our blog through the links below




Latest	Popular	Comments	Tags
 <b>Sandy CrisisCamp</b> October 30, 2012			
 <b>The Humanitarian Toolbox</b> October 9, 2012			
 <b>Interim Management Team</b>			




## Ushahidi

Products Services Community Blog About Us




## Map anything.



# CROWDMAP

A new Crowdmap experience. Request an invite to join the beta.


### What is the Ushahidi Platform



Watch The Video

We built the Ushahidi platform as a tool to easily crowdsource information using multiple channels, including SMS, email, Twitter and the web.

### Manage the River of Information




GETTING STARTED WITH SWIFT RIVER

Watch The Video

SwiftRiver is an open source platform that aims to democratize access to tools for filtering & making sense of real-time information.

### Crowdsourcing In "the cloud"




CROWDMAP

When you need to get the Ushahidi platform up in 2 minutes to crowdsource information, Crowdmap will do it for you. It's our hosted version of the Ushahidi platform.

*It was just really fascinating to see how quickly the public picked up the technology and was able to embrace it. They really were dying to have an avenue to express their views.*


Sudan Vote Monitor - via Global Voices

### In The News




The Economist  
With telephone lines jammed, many Mumbaikars turned to a familiar alternative: they posted their whereabouts, and sought those of their close ones, on social networks.  
[Read more >](#)


### Buzz From Around The Web



Juliana Rotch to the rescue, Executive Director of <http://t.co/9K1300LzEE> #womenshistorymonth



Juliana Rotch to the rescue, Executive Director of <http://t.co/v25tqZnKn> #womenshistorymonth



@shareff <http://t.co/MwEoP2FEDS>



# Beta DRU Data Collection Tool

## DRU Status Map

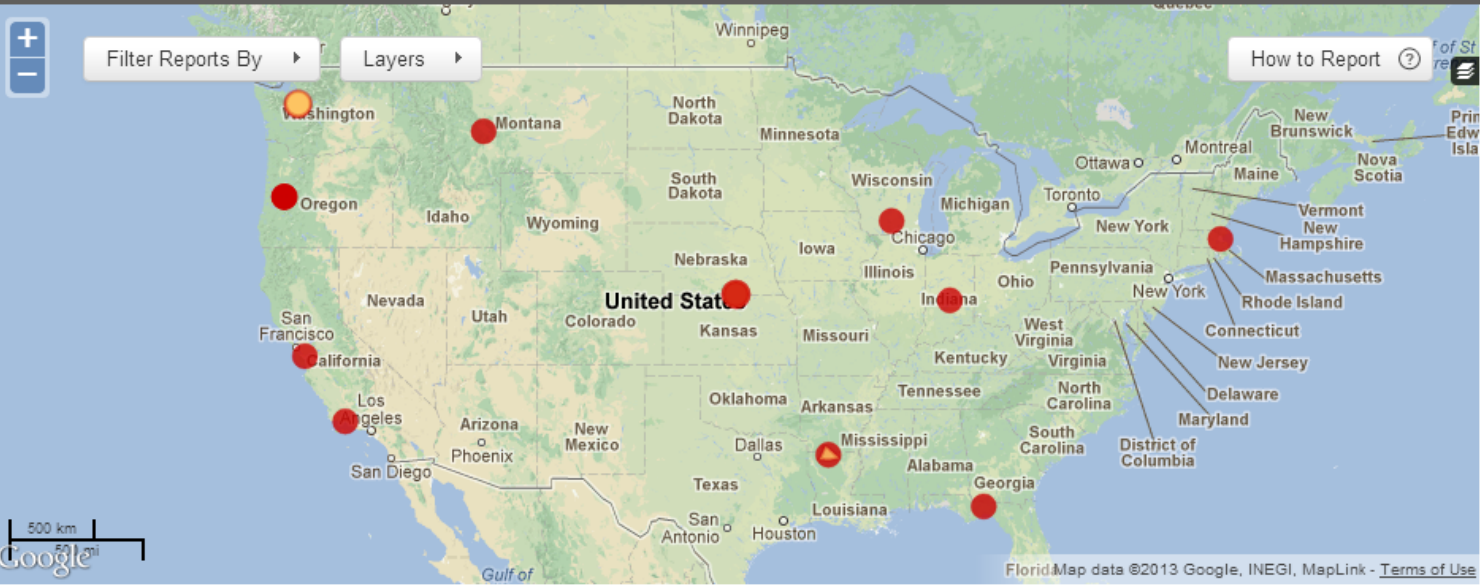
Helping DRU Members support each other during incidents. **\*\*THIS MAP IS CURRENTLY EXPERIMENTAL\*\***

[+ SUBMIT A REPORT](#)

Print | Email | LinkedIn | Facebook | +  
0

BETA - This is a test site for DRU members and their institutions status updates during incidents.

[HOME](#) [REPORTS](#) [SUBMIT A REPORT](#) [GET ALERTS](#)





# Beta DRU Data Collection Tool

## DRU Status Map

Helping DRU Members support each other during incidents. **\*\*THIS MAP IS CURRENTLY EXPERIMENTAL\*\***

[+ SUBMIT A REPORT](#)

📄 ✉️ [in](#) [f](#) [+](#)  
0

BETA - This is a test site for DRU members and their institutions status updates during incidents.

[HOME](#) [REPORTS](#) [SUBMIT A REPORT](#) [GET ALERTS](#)

[+](#) [-](#) Filter Reports By ▾ Layers ▾ [How to Report ?](#)

**TEST: Classes canceled due to sunshine**  
More Information  
Zoom In | Zoom Out

Scale = 1 : 28M    -69.82242, 38.46336

FloridaMap data ©2013 Google, INEGI, MapLink - [Terms of Use](#)

# Beta DRU Data Collection Tool

English (US)

## DRU Status Map

Helping DRU Members support each other during incidents. **\*\*THIS MAP IS CURRENTLY EXPERIMENTAL\*\***

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HOME **REPORTS** SUBMIT A REPORT GET ALERTS

Showing Reports From Mar 17, 2013 to Mar 18, 2013

1 1-5 of 5 Reports

**Test: Missing Puppy**  01:55 Mar 18, 2013  
Missing Puppy

**Santa Clara University**  01:16 Mar 18, 2013  
All operations normal.

**TEST: Classes canceled due to sunshine**  01:15 Mar 18, 2013  
We have canceled classes due to this weird appearance of a bright glowing yellowish object in the sky.

**UW Med School**  23:23 Mar 17, 2013  
There's a winter storm coming. Planning for school closure and coverage of staff.

**TEST - University of Washington**  22:53 Mar 17, 2013  
TEST TEST TEST - University main campus is closed due to the sunshine shinning. TEST TEST TEST

1 1-5 of 5 Reports

### Filter Reports By

Category

<input type="checkbox"/> All Categories	5
<input type="checkbox"/> Open	2
<input type="checkbox"/> Closed	3
<input type="checkbox"/> Modified	0

Location

Type

Media

Verification

Custom Fields

[HOME](#) | [SUBMIT A REPORT](#) | [GET ALERTS](#) | [CONTACT US](#) | [CROWDMAP.TOS](#)

Yes. It is all copyrighted.

POWERED BY THE Ushahidi PLATFORM

# Beyond Data: Mutual-Aid

- DRU Network & Emergency Management Assistance Compact (EMAC) Project
  - Est. clear channels for mutual-aid requests
  - Assist in identifying and locating resources



The screenshot displays the EMAC website interface. At the top left is the EMAC logo, featuring two hands shaking, with the text "EMAC™ Emergency Management Assistance Compact" to its right. A horizontal navigation menu includes links for "Home", "Learn about EMAC", "Mutual Aid Resources", "Training & Education", "Calendar", "EMAC Store", and "Contact Us". Below the navigation is a large banner image of a satellite view of Hurricane Sandy, with the text "Hurricane Sandy" and "2,611 personnel deployed" overlaid. To the left of the banner is a vertical credit line: "NASA GSFC GOSS Project". Below the banner is a search bar and a row of social media icons. The main content area is divided into two columns. The left column is titled "Need EMAC Education?" and contains two items: "Distance Learning - Take a course in EMAC's eLearning Center" with a laptop icon, and "EMAC E431 - Comprehensive EMAC course with an exercise component. Taught twice a year at FEMA's Emergency Management Institute (EMI)." with a building icon. The right column is titled "What is EMAC?" and features the EMAC logo, a paragraph of text stating that EMAC has been ratified by Congress and law in all 50 states, the District of Columbia, Puerto Rico, Guam, and the U.S. Virgin Islands, and a "Read more..." button. Below this is a section titled "Missed an EMAC Webinar?" with two small thumbnail images and a "Visit the Webinar archives" link.

# DRU Virtual Emergency Coordination Center Concept

- Impact Data collection
- Resource Identification
- Mutual-Aid assistance
- Technical Assistances
- Incident Management Team (IMT) Resources

The screenshot displays the IAEM-University & College Caucus UCC/IAEM website. The main content area is titled "Project overview & activity" and lists various messages and files. The messages include:

- FRIDAY, 15 MARCH 2013: "Following Up Letter to the Creation Model Emergency Management Plans - 2/27 Event" (Posted by Diane M., Uploaded by Andre L., Message).
- WEDNESDAY, 13 MARCH 2013: "UCC Strategic Plan 2013.docx" (Uploaded by Marcia R.).
- TUESDAY, 12 MARCH 2013: "2013.03.12 UCC Teleconference Minutes" (Updated by Krista D., Posted by Andre L., Commented).
- Comments: "March 2013 UCC Monthly Meeting Reminder" (Posted by Andre L., Commented).
- Files: "copy of DRAFT UCC Roster 03.12.2013.xlsx" (Uploaded by Krista D.), "DRAFT UCC Roster 03.12.2013.xlsx" (Uploaded by Andre L.), "March 2013 UCC Monthly Meeting Reminder" (Posted by Krista D., Posted by Troy M., Uploaded by Andre L.), "DRU-UCC Letter to VP\_031212\_FNL.pdf" (Uploaded by Andre L.), "short History of the DRU\_031013\_FNL.pdf" (Uploaded by Andre L.), "March 2013 UCC Monthly Meeting Reminder" (Posted by Andre L.).
- MONDAY, 11 MARCH 2013: "March 2013 UCC Monthly Meeting Reminder" (Posted by Marcia R.).
- MONDAY, 4 MARCH 2013: "DRAFT UCC Roster 03.03.2013.xlsx" (Uploaded by Andre L.).

The right sidebar features the University of Oregon Emergency Management and Continuity logo, the IAEM USA Council Universities & Colleges Caucus logo, and a list of people on the project including Krista Dillon, Diane Mack, and John Tommaney.

# Discussion & Next Steps

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