SDMI Overview for Swedish Delegation

25 February 2015
Louisiana State University

- Ranked in the first tier for Best National Universities
  - U.S. News and World Report
- One of the Nation’s Top 25 Most Popular Universities
  - U.S. News and World Report
- Land-grant, sea-grant, and space-grant status
- LSU’s recognized leadership during Katrina and BP Oils Spill
LSU Research

• Home of more than 120 research centers, institutes, labs and programs
• Each year, LSU conducts more than 2,500 sponsored research projects funded by more than $140 million in external grants from sources including:
  o National Science Foundation
  o National Institute of Health
  o NASA
  o National Endowment for the Humanities
  o Department of Homeland Security
Stephenson National Center for Security Research and Training

Stephenson Disaster Management Institute (SDMI)
National Center for Biomedical Research and Training (NCBRT)
Carrol L. Herring Fire and Emergency Training Institute (FETI)
National Center for Disaster Fraud (NCDF)
Law Enforcement Online (LEO)
Mission

• The mission of the Stephenson Disaster Management Institute is to save the lives of people and animals by continuously improving disaster management through thought leadership, applied research and executive education.

Goals

• Bring business principles and research to bear on disasters
• Produce applied research and disseminate best practices to the business and practitioner communities
• Build partnerships between academic scholars, emergency management practitioners, and the private sector
SDMI Bench of Experts

<table>
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<tr>
<th>Staff</th>
<th>Research Affiliates</th>
<th>Senior Fellows</th>
<th>WAEs</th>
<th>Consultants</th>
<th>GAs</th>
<th>Board of Experts</th>
<th>LSU (Add Comp)</th>
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<tbody>
<tr>
<td>18</td>
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Total of 80+

Full-Time Staff
- Retired LTC, Deputy Superintendent of LSP
- 2 Former Deputy Director of GOHSEP
- 2 Former Chairman of SIEC
- 1 Member of FEMA’s NAC
- 3 U.S. Army Reserve LTCs
- 2 w/Top Secret Security Clearance
- 1 w/Secret Security Clearance
- 3 PhD Candidates
- 1 JD
- 9 Masters Degrees
- Red Cross Board Member
- 1 Master Exercise Practitioner
- 1 CISSP
- 2 GISP / 9 GIS Technicians

Board of Experts
- 2 Harvard MBAs
- 1 Retired LTG of U.S. Army
- 1 Retired CAPT, USCG
- 1 Current Director of GOHSEP
- 1 Former Directors of GOHSEP
- 1 FEMA Technical Hazards Director
- 3 Chief Executive Officers
SDMI’s Center for Business Preparedness

• GOALS

  • Bridge the gap between academic research, business preparedness, and continuity of operations
  • Apply proven business management techniques to the challenge of disaster preparedness and community resilience
  • Create a cultural shift in the value of preparedness by creating a central point of collaboration for:
    – Enhance and evolve private sector resilience
    – Research
    – Knowledge sharing
    – Outreach
  • Global collaboration with academic institutions, private sector organizations, public entities:
    – Connect, collaborate, and share smart practices
    – Gain insight, knowledge, and support
    – Serve as a source for the latest tools and research
Does your business have a written emergency response plan?

Number of Respondents

- Yes: 45%
- No: 55%
Were your normal operations interrupted following Hurricane Katrina/Gustav?

Number of Respondents

- Yes: 85%
- No: 15%

7/19/2015
For how many days did Hurricane Katrina/Gustav disrupt normal operations?

Number of Respondents

- 1 to 3 days: 19%
- 4 to 7 days: 20%
- 1 to 2 weeks: 6%
- 2 to 4 weeks: 17%
- More than 4 weeks: 37%
Did your business make any changes following Hurricane Katrina/Gustav to become better prepared for future disasters?

55% Yes
45% No
Did these changes reduce Hurricane Isaac's impact on your business?

Number of Respondents

- Yes: 67%
- No: 33%
Expanding Domestic Applications

- Partnered with LSU Civil Engineering and UNO to sponsor the National Evacuation Conference
- Participated in a New York City Evacuation Planning Meeting with LSU Civil Engineering and UNO
- Working with the National Emergency Management Association to conduct a study on state to state support for private sector resources and volunteer organizations
- Participating with FEMA on a Hurricane Evacuation Study for Southeast Louisiana
**International Influence**

- Working with the Japanese Consulate
- Hosting a Swedish Delegation on Resiliency
- Collaborating with UN on R!SE
- Invited to Speak at the Following Conferences:
  - Australian Association of Professional Communication Officials
  - Melbourne Fire Brigade
  - Keynote for 13th Annual Emergency Management Conference
- Conducted a Webinar for PASIA following Typhoon Haiyan
- Hosting Latin American University Delegation for USAID
Current / Previous SDMI Projects

- State Homeland Security Strategy
- Capitol Emergency Response Plan
- Capitol Continuity of Operations Plan
- 9-1-1 Mapping
- Critical Infrastructure Mapping
- Small Business Disaster Preparedness Initiative
- Shell Oil Company Oil Response Outreach Initiative
- State Exercise and Training Program
- Cyber Security Initiative
- Consequence Modeling for Storm Surge
SDMI GIS Based Projects

GIS Emphasis on
- Vector Data
- Raster Data
- Data for the Public
- Data for Emergencies

Mapping 9-1-1 for Rural Parishes

Mapping the State’s CI/KR
Mobile Web Application

Features
- HTML5
- CSS3
- jQuery Mobile
- Local Storage and Manifest for offline capabilities
SDMI School Safety Program
1. Outlets Classroom #120
2. Outlets Classroom 113 & 111
3. Outlets Classroom #121
4. Outlets Classroom 111 & 110
5. Boy’s Hand Dryers
6. Outlets Classroom 110 & 109
7. Girls Hand Dryers
8. Outlets for Drinking Fountain & Corridor
9. Outlets Classroom 105 & 106
10. Outlets for Drinking Fountain & Corridor
11. Outlets Classroom 106 and Corridor
12. Power to Bathroom Exhaust Fan
13. Outlets Classroom 107
14. Outlets Classroom 104 & 102
15. Outlets Classroom 124
16. Outlets Classroom 101 & 103
17. Outlets Classroom 123
18. Outside Sign
19. Power to Energy Management Panel AC-A
20. Spares
21. Spares
22. Spares
23. Men’s Hand Dryer
24. Spares
25. Ladies Hand Dryer
26. Spares
27. Spare
28. IPF Camera Black Box
29. Spare
30. Feed to Section B of 1 LA
31. Feed to Section B of 1 LA
32. Feed to Section B of 1 LA
33. Feed to Section B of 1 LA
34. Feed to Section B of 1 LA
35. Feed to Section B of 1 LA
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<th>Principle</th>
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<th>Custodian</th>
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<tr>
<td>Mrs. Semaj Allen-Raymond</td>
<td>Mr. Kevin Lusagnin</td>
<td>Mr. James Anderson</td>
</tr>
<tr>
<td>(504) 885-3456</td>
<td>(504) 885-4125</td>
<td>(504) 885-4212</td>
</tr>
<tr>
<td>(504) 205-8546</td>
<td>(504) 254-8745</td>
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<tr>
<th>Faculty</th>
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Joint CyberSecurity and Training Lab (JCTL)

Capabilities

- Train as We Fight – Simulated operational networks to safely test capabilities
- Closed network to allow real force on force attacks in a controlled environment
- Immersive training, tactics, techniques and procedures development and validation
- Tier I through Tier III environment for simulation and modeling
- LANG CPT Mobile Response Cart