

ICoE-Vulnerability and Resilience Metrics (VaRM)

Report on Activities:
November 2013-2014

Formerly Established August 2013

Activities

- Support AIRDR production of bibliometric analysis of integrated disaster risk research and journal submission
- Support DATA expert group in producing Peril Classification briefing book
 - Help organize May meeting in Ispra, Italy
 - Test implementation of peril classification
- Conduct three research review for GAR 2015 report (incentives, governance, and transformative development) under contract to UNISDR
- Participate in the role of science in good enough disaster risk assessment workshop in Bogotá (February 2014): Paper presented “Planning for Resilience: The Need for Pre-Impact Baseline Information”
- Participate in workshop and drafting of Statement on establishing an international science advisory mechanism for disaster risk reduction to strengthen resilience in London (March 2014)
- Participate in IUGG/ICSU Ad Hoc Expert Group on Disaster Risk Assessment in Paris (May 2014)
- Hosted pre-doctoral student Andreas Atzl from Karlsruhe Institute of Technology (Feb-April 2014) to study social vulnerability metrics

National Academies Koshland Science Museum Exhibit, Washington D.C.

Explore the Economic And Human Impact of Natural Disasters in the United States

Click on a graphic to learn more.



Where are Economic Losses the Highest?



Which is the Deadliest Hazard?



Which Hazards Cause the Most Losses?



Are Losses Increasing Over Time?



How Hazardous is Your State?



SHELDUS™ data and maps by the Hazards and Vulnerability Research Institute at the University of South Carolina. SHELDUS™ is a county-level hazard data set for the U.S. for 18 different natural hazard events types such as thunderstorms, hurricanes, floods, wildfires, and tornados. The database contains more than 800,000 records and covers the time period of 1960 through 2012 (data sources: NOAA's National Climatic Data Center and National Geophysical Data Center, U.S. Geological Survey, etc.).



Demonstration of disaster loss data
visualization

<http://webra.cas.sc.edu/hvri/koshland/timeline.html>