

ICoE-Vulnerability and Resilience Metrics (VaRM)

Report on Activities: July-December 2014

Formerly Established August 2013

Mission Statement

- Provides leadership in the development of science-based models, methods, and metrics of vulnerability and resilience in order to provide empirically-based support for disaster risk reduction policies and practices
- Provide leadership in improving sub-national hazard event and loss databases.
- Support via scientific expertise, the existing research projects of IRDR—DATA, AIRDR, and FORIN.
- Assist in building capacity through training the next generation of disaster scientists and encouraging international students (pre- and post-doctoral) and scientists to take up short-term study visits

External Advisory Committee:

Kathleen Tierney (University of Colorado, Director, Natural Hazards Center, and Chair, IRDR USA National Committee),

Walter Peacock (Texas A&M University, Director, Hazard Reduction and Recovery Center, USA),

David Johnston (Massey University, Director, Joint Centre for Disaster Research, and Director IRDR ICoE in Community Resilience, New Zealand),

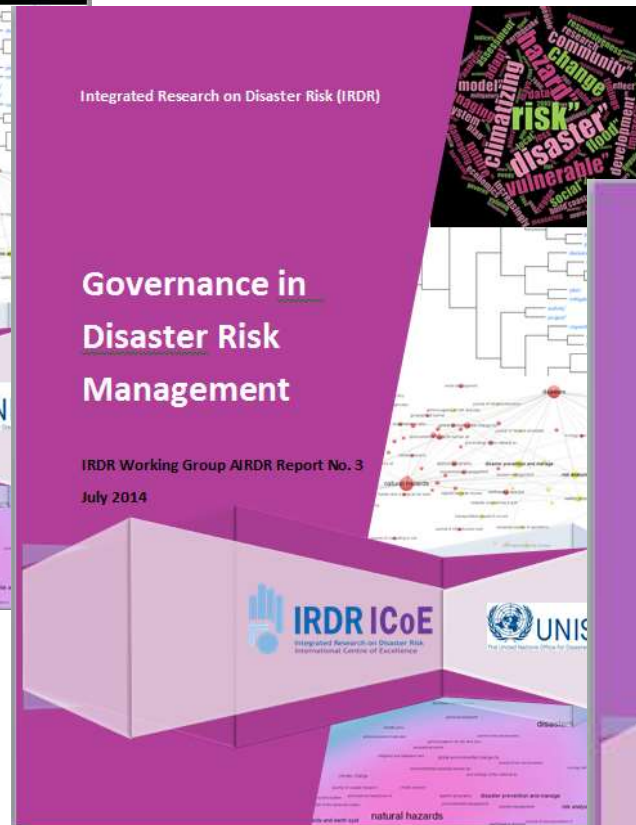
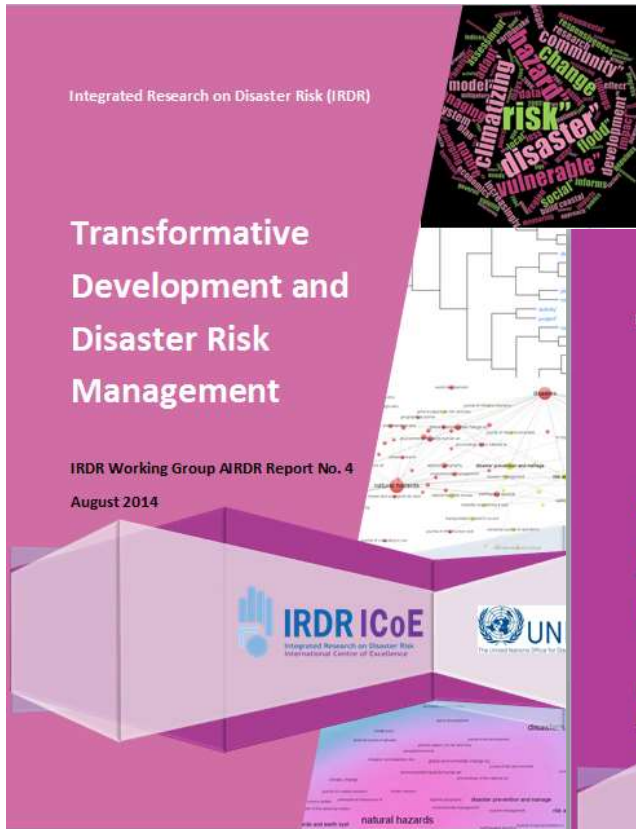
Omar Darío Cardona (Universidad Nacional de Colombia, Director IRDR ICoE in Understanding Risk & Safety),

Jörn Birkmann (University of Stuttgart, Director Institute for Spatial Planning and Regional Development)

Activities

1. Test implementation of peril classification on SHELDUS database (part of DATA WG activities)
2. Provide expert feedback/consultation for
 - UNISDR informal working group on loss and damage (potential outcome indicators for monitoring progress under the Post-2015 Framework for Disaster Risk Reduction)
 - Rockefeller Foundation (measuring resilience outcomes in their 100 resilient cities)

3. Research reviews for UNISDR under AIRDR program



4. **Hosted** doctoral student from University of Salzburg for a week (November 2014)

5. Presentations:
 - S. Cutter, The Landscape of Resilience Measures, Keynote Address, Workshop on Measures of Community Resilience, Resilient America Roundtable, US National Research Council, Washington D.C., September 2014.
 - Poster presentation, International Centre of Excellence in Vulnerability and Resilience Metrics (ICoE-VARM), Natural Hazards Annual Workshop, Boulder, CO, June 2014.

Future Activities

(Jan-July 2015)

- Assist in the completion of the Human Indicators guidance document for IRDR DATA WG
- Participate in Tokyo Conference on Disaster Risk Reduction (representing IRDR)
- Participate as a Sendai Jury Member for the MunichRe Foundation Risk Award 2015