

# **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),

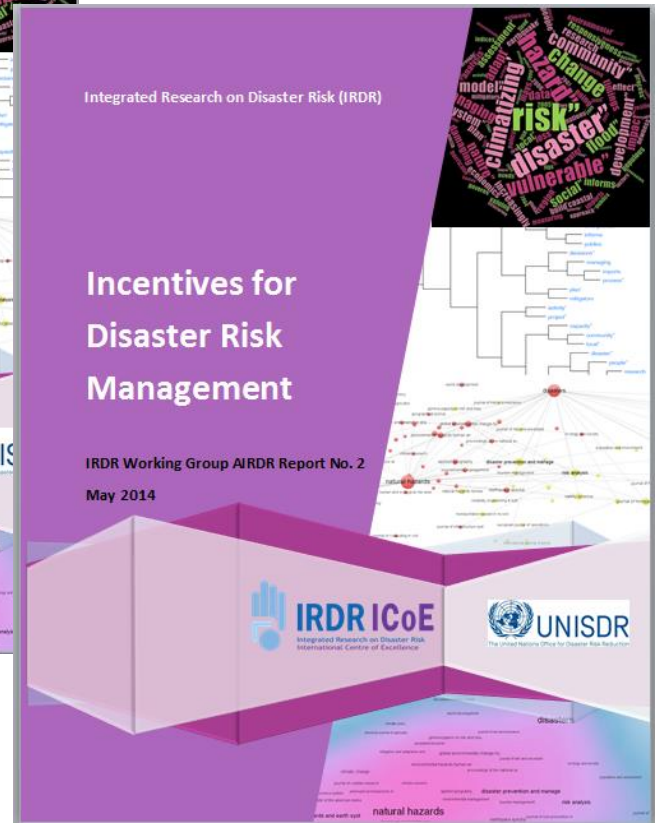
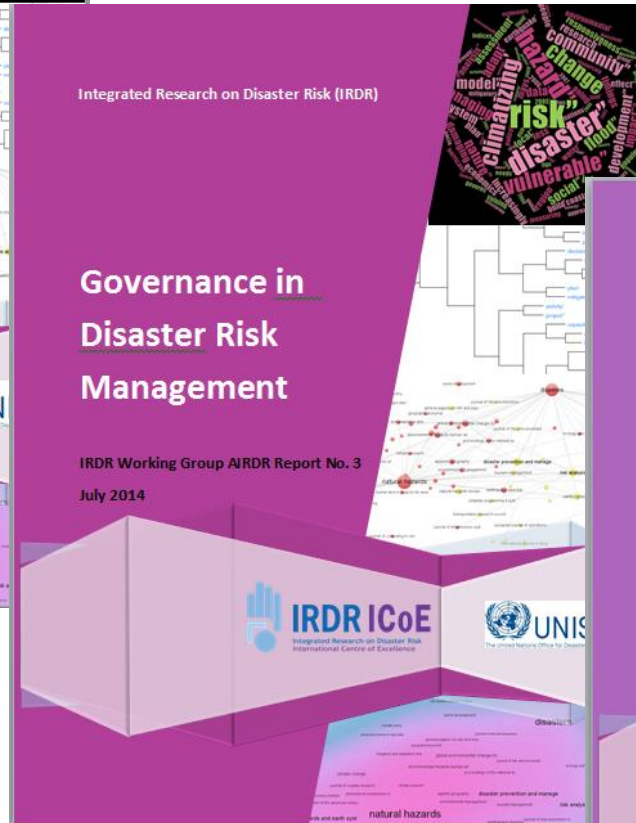
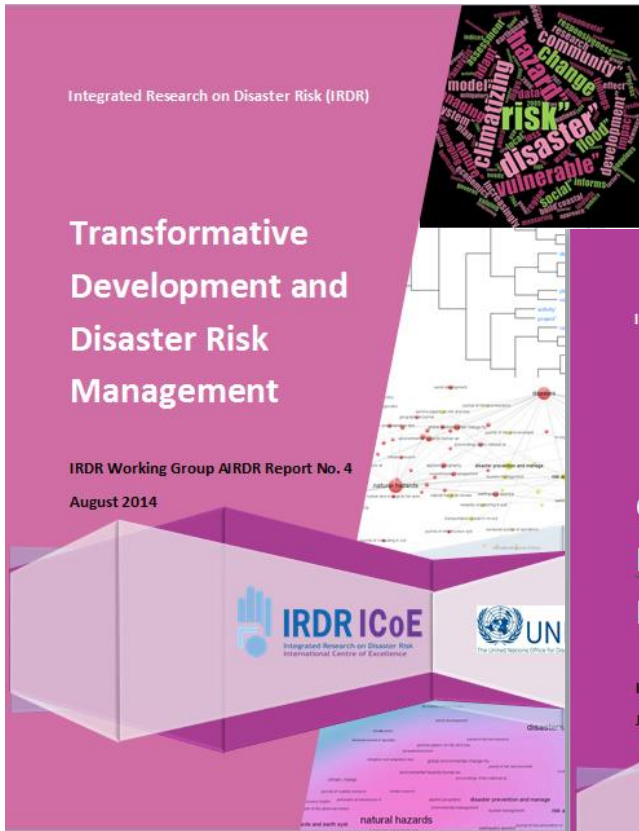
**Omar Darío Cardona** (Universidad Nacional de Colombia, Director IRDR ICoE in Understanding Risk & Safety),

**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