

# IRDR Data Project:

## Summary of Activities

July-December 2014

### Project Members:

#### Co-Chairs:

**Susan L. Cutter,**  
University South Carolina

**Daniele Ehrlich,**  
EU Joint Research Centre

**Sisi Zlatanova,**  
Delft University

Bob Chen, CIESIN (Columbia University)  
Regina Below, CRED (University of Louvain)  
Lucia Bevere, Sigma (SwissRe)  
Daniele Ehrlich, EU Joint Research Centre  
Jan Eichner, NatCatService (MunichRe)  
Julio Serje, DesInventar (UNISDR)  
Adam Smith, NCDC/NOAA  
Wei-Sen Li, National S&T Center for Disaster  
Reduction  
Maria Patek, Austrian Government  
Sisi Zlatanova, Delft University  
Frederic Zanetta, IFRC  
Ricardo Zapata Marti, Eclac Cepal  
Francis Ghesquiere, World Bank  
Kamal Kishore, UNDP, Switzerland

# Project Goals

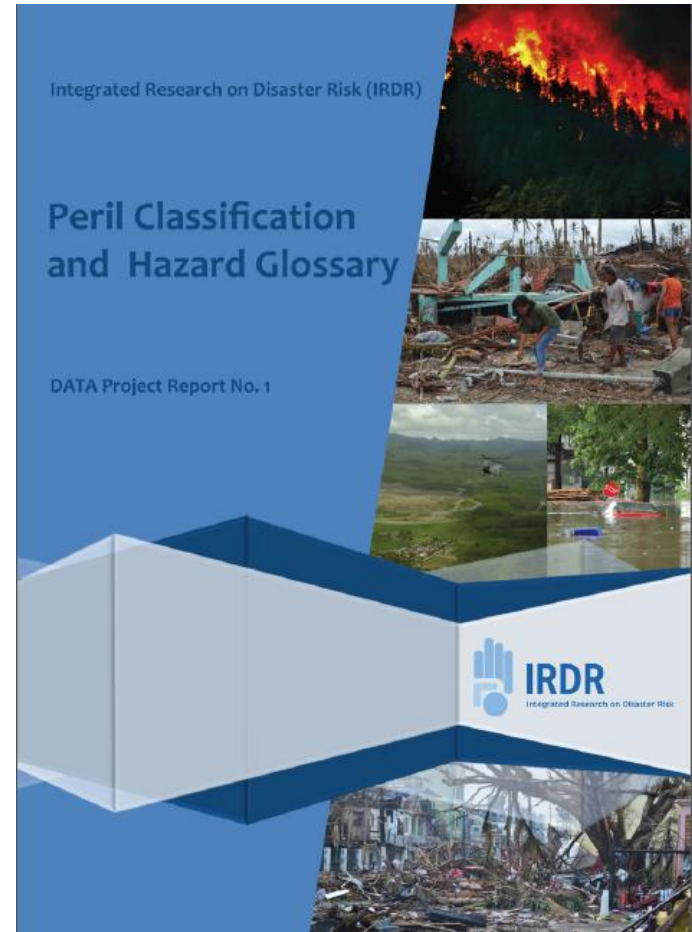
**DATA is about improving the infrastructure of loss data globally and locally**

- Identify quality of existing data and data needs for improving integrated disaster risk management
- Bring together loss data stakeholders to identify common issues and develop synergies
- Develop standards/protocols to minimize data uncertainty
- Define “losses” and create transparent methodologies for assessing them
- Advocate for loss data at sub-national geographies
- Educate users on database biases and data interpretation

# Accomplishments

## 1. *Peril Classification*

- Reviewed by WMO, awaiting formal feedback
- Input solicited from stakeholders at IRDR Conference & IRDR China (Beijing) World Risk Forum (London)
- Revision underway (expected completion (January 2015))



## 2. Meetings/Presentations

- Meeting with EU Loss Data experts October 2014, Brussels (D. Ehrlich & S. Zlatanova)—evaluate Peril classification, results not yet consolidated
  - “The current status and best practices for disaster loss data recording in EU Member states”
  - EU guidelines for loss data collection (consolidated by May 2015) likely to include IRDR peril classification at the “main event” level
- **Requested participation** in UNESCAP meeting, October 2014, Sendai (D. Ehrlich)
  - Some reluctance about IRDR peril classification however countries will review peril classifications compared to those they currently use
- **Requested participation** in UNISDR STAG telecom on disaster risk reduction terminology, October 2014 (S. Cutter)

Invited presentation:

S. Cutter, “Need for harmonization of disaster loss and damage data”, 2<sup>nd</sup> WMO User Workshop, Understanding Risk Forum, July 2014, London

### 3. Current work

Conceptual framework for human impacts based on CRED/MunichRe/SwissRe white paper using simplified schema and definitions—first draft done by December 2014

(Title Page)

**Guidelines on Measuring Losses from Disasters:  
Human Impact Indicators  
November 2014 (Draft)**

**Contents**

- 1. Introduction
- 2. Background: Why Human Loss Database Standards are Important
- 3. Conceptual Framework for Human Impacts for Disaster Loss Accounting
- 4. Primary Human Indicators
  - a. Deaths (secondary and tertiary indicators; examples from specific perils)
  - b. Injured
  - c. Missing
  - d. People exposed
  - e. Economic loss
- 5. Secondary and Tertiary Human Indicators
  - a. Homeless
  - b. Evacuated
  - c. Relocated

References  
Appendices

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graph LR; subgraph Primary; P1[Deaths]; P2[Injuries]; P3[Missing]; P4[People Exposed]; P5[Economic]; end; subgraph Secondary; S1[Direct/Indirect]; S2[Homeless]; S3[Evacuated]; S4[Relocated]; end; subgraph Tertiary; T1[Gender, Age, Location]; T2[Shelter: Public, Private, No shelter]; T3[Property: Temporary, Permanent]; end; P1 --> S1; P2 --> S1; P3 --> S2; P4 --> S3; P4 --> S4; P5 --> S4; S1 --> T1; S2 --> T2; S3 --> T2; S4 --> T3;
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2 November 2014

# Timeline—2015 Activities

1. Consultations on Peril Classification—formal feedback
  - Ehrlich--EU countries, JRC at continental scale
  - ESCAP (informal feedback plus endorsement)
  - Cutter—WMO feedback
  - Zlatanova—engage OGC, PeriPeriU

Funding: \$5,000 (travel)

## 2. Guidance on Compilation of Disaster Databases

- Survey of nations on current disaster loss data practice (information gathering only)
- Purpose: what common loss data, what organizations compile data (e.g. ESCAP started a process; would like to duplicate in other regions)
- Specific outreach to Africa, Latin America

Sharing lessons learned based on JRC work

# Improving DRR infrastructure

- Proposed meeting in March-May in Munich (hosted by MunichRe)
  - Review implementation of peril classification, make minor changes to definitions/glossary based on stakeholder input
  - Review and finalize human impacts guidance
  - Indicators based on international frameworks (HFA2, MGDs, CC), and international research programs (e.g.)Future Earth) will drive need for national loss accounting; DATA needs to support the science and data requirements for such indicators

Requirements: Funding for the meeting (\$25,000)