



## IDRiM 2017 Conference

Dimensions of Disaster Risk Reduction and Societal Resilience in a Complex World

Dates: 23-25 August 2017

Venue: Harpa, Reykjavik, Iceland

The 8<sup>th</sup> Conference of the International Society for Integrated Disaster Risk Management (IDRiM 2017) will be hosted by the University of Iceland, NORDRESS – Nordic Centre of Excellence on Resilience and Societal Security, in cooperation with the Disaster Prevention Research Institute (DPRI, Japan), and the International Institute for Applied Systems Analysis (IIASA, Austria). The theme of the conference is “Dimensions of Disaster Risk Reduction and Societal Resilience in a Complex World”

### **Overview**

IDRiM 2017 adopts an interdisciplinary approach, and encourages contributions from all realms of natural, social, health, humanitarian, engineering, and other sciences, to promote understanding of how best to manage the risk that natural hazards pose to societies. Also, it aims to provide a forum for fruitful exchange of expertise and opinions on every aspect of risk management. The programme will be varied, from key note lectures and expert panel discussions to a wide selection of oral and poster presentations on various topics.

Furthermore, the conference provides a special opportunity to young scientists (e.g. graduate students and postdoctoral researchers) through the "Young Scientists Session (YSS)", where all presenters are expected to give both an oral presentation and poster presentation, and get feed-back from participants of the conference. All YSS presentations participate in the YSS Best Presentation Competition.

In three days you will have the choice to attend 29 oral sessions, with up to 6 presentations each, 5 plenary invited lectures, plenary panel discussions, and poster sessions. We would like to point out the three special YSS sessions where young scientists present their work both with short oral introductions and posters. All YSS presenters participate in the YSS Best Presentation Competition. We are all on the jury and I urge you to take part and evaluate our young colleagues' presentations and provide them with useful comments and feedback.

Last but not least, we have invited Iceland's leading TV news editor, Ms. Þóra Arnórsdóttir, to conduct plenary interviews with selected experts on different aspects of disasters and resilience. This is a new feature in the IDRiM conference program that we are proud to introduce.

On Thursday afternoon a field trip is arranged that traverses an area prone to a variety of natural hazards, including earthquakes, river/ocean/glacial outburst floods, and volcanic eruptions. We will travel in 3 buses, each guided by an expert in social and physical geography, geology and natural disasters.

This short version of the program is the only printed material offered, but online you will find a full pdf version of the program, listing all authors, should you wish to print that. Also there is an interactive electronic version, which includes all abstracts.

Here is a preliminary list of session topics :

1. Understanding and Monitoring natural hazard risk
  - Natural hazard modelling and forecasting
  - Hazard monitoring and the use of smart technology
  - Climate change and natural hazards
  - Natural hazard vulnerability of different populations – e.g. urban, rural, remote, young, aging, transient and special needs populations
  - Mental and physical health related impacts of natural disasters
2. Risk and resilience
  - Risk governance (risk management procedures)
  - Land use, land use planning and natural hazards
  - Economics of disasters
  - Insurance for enhancing community resilience
  - Infrastructure resilience
  - Child-centred disaster risk reduction programs and strategies
  - Community preparedness and response to disasters
  - Post disaster recovery
  - Recovery and psycho-social support

- Migration in anticipation of and following disasters
- Natech risks and critical infrastructure protection
- 3. Community engagement and communication
  - Risk communication
  - Media influence on public perception and response
  - Best practice engagement strategies
  - Engaging with the disengaged
- 4. Presentation for Young Scientists Session
  - TBA

### **Invited Plenary Lectures:**

- John Richardson, Australian Red Cross, Australia  
“More than three liters of water – Helping people prepare for the true consequences of disasters”
- Magnú Tumi Guðmundsson, Institute of Earth Science, University of Iceland  
“Volcanic hazards in Iceland, past, present and prospects for the future”
- Ortwin Renn, IASS, Potsdam, Germany  
“Coping with complex risk: New challenges for risk governance”
- Denis Mileti, University of Colorado Boulder, USA  
“Reducing delays in public warnings”
- Mahesh Prakash, CSIRO Data61, Australia  
“Integrated modelling and analytics of natural hazards: A bushfire perspective”

### **Plenary interview by Ms. Póra Arnórsdóttir**

*[How can we prepare ourselves for disaster?]*

Atle Dyregrov, John Richardson, Gunhild Setten

*[Science for Resilience]*

Adam Rose, Hirokazu Tatano, Andrew Collins

## Field Trip on Thursday, 24 August 2017

The conference organizers feel that it is appropriate to offer a conference tour that traverses an area prone to a variety of natural hazards, including earthquakes, river/ocean/glacial outburst floods, and volcanic eruptions. All this is found in the southern region of Iceland - ranging south-eastward from Reykjavík through the geothermal village of Hveragerði, close to the epicenter of the 2008 earthquake that caused major material damage and resulted in the surfacing of new geothermal springs in the village. We continue on to Selfoss, a village on the banks of the glacial river Ölfusá, a cause of frequent floods. Further east, in the village Hvolsvöllur, that lies in the vicinity of Eyjafjallajökull, we will meet civil protection and emergency management authorities and learn about their work and challenges. On the way home we will enjoy a rustic local lobster dinner in the coastal village Stokkseyri, neatly protected by a dike from the ocean storms that can be quite ferocious in winter. At this time of year, however, we hope for a calm evening. Nevertheless, you should bring warm clothes, a rain jacket and sturdy shoes!

We will travel in 3 buses, each guided by an expert in social/physical geography; geology; and/or natural hazards: Professor Guðrún Gísladóttir, Dr. Deanne Bird and Dr. Þorsteinn Sæmundsson.

***Departure from Harpa at 14:00 sharp! Arrival back to Reykjavík, Harpa, approx. 23:00.***



## Organizing Committees

### *Local Organizing Committee*

Guðrún Pétursdóttir

Guðrún Gísladóttir

Harpa Dís Jónsdóttir

Ingibjörg Lilja Ómarsdóttir

### *Scientific Program Committee*

Guðrún Pétursdóttir

Guðrún Gísladóttir

Ana Maria Cruz

Adam Rose

Norio Okada

Hirokazu Tatano

### *Young Scientists Sessions Board*

Muneta Yokomatsu

Yoko Matsuda

Uta Reichardt

Asthildur Elva Bernhardsdottir

## Important dates:

Opening of abstract submission	15 November 2016
Deadline of abstract submission	15 February 2017
Notification of abstracts	15 March 2017
Early bird registration	15 January 2017
General registration	15 May 2017

## Achievement and Results

The conference met our expectations and proved to be very successful, with 216 participants from 27 countries, thereof 43 from Japan.

The program consisted of 29 oral sessions each with up to 6 presentations; 5 plenary invited lectures; panel discussions; and poster sessions. Special oral and poster sessions were organized for young scientists.

The program was very varied and addressed all significant aspects of natural disaster risk reduction worldwide (see Conference Program attached). The speakers included world renowned experts in the various fields of disaster management, from academia to administrators, NGO's, and field workers. This resulted in lively and fruitful discussions across disciplines and borders.



IDRiM2017 Participants after presentations on emergency management of volcanic eruptions and floods by the District Commissioners of Police at Hvolsvöllur in South-Iceland.

Full Program: [Here](#)

More photos : [2017 Conference Gallery](#)



UNIVERSITY OF  
ICELAND



IDRiM  
FOR A SAFER WORLD