

# IRDR Updates

IPO

For IRDR SC26, 19 Oct

The Integrated Research on Disaster Risk 2021 International Conference

# ADVANCING RISK SCIENCE FOR DEVELOPMENT SAFETY

## 10 YEARS OF IRDR

BUILDING A NEW RISK RESEARCH AGENDA FOR 2030 AND BEYOND

Main conference on 8-10 June 2021 and pre-sessions during April - May 2021



International  
Science Council



UNDRR  
UN Office for Disaster Risk Reduction



IRDR  
Integrated Research on Disaster Risk



➤ **426** participants from **80** countries and regions

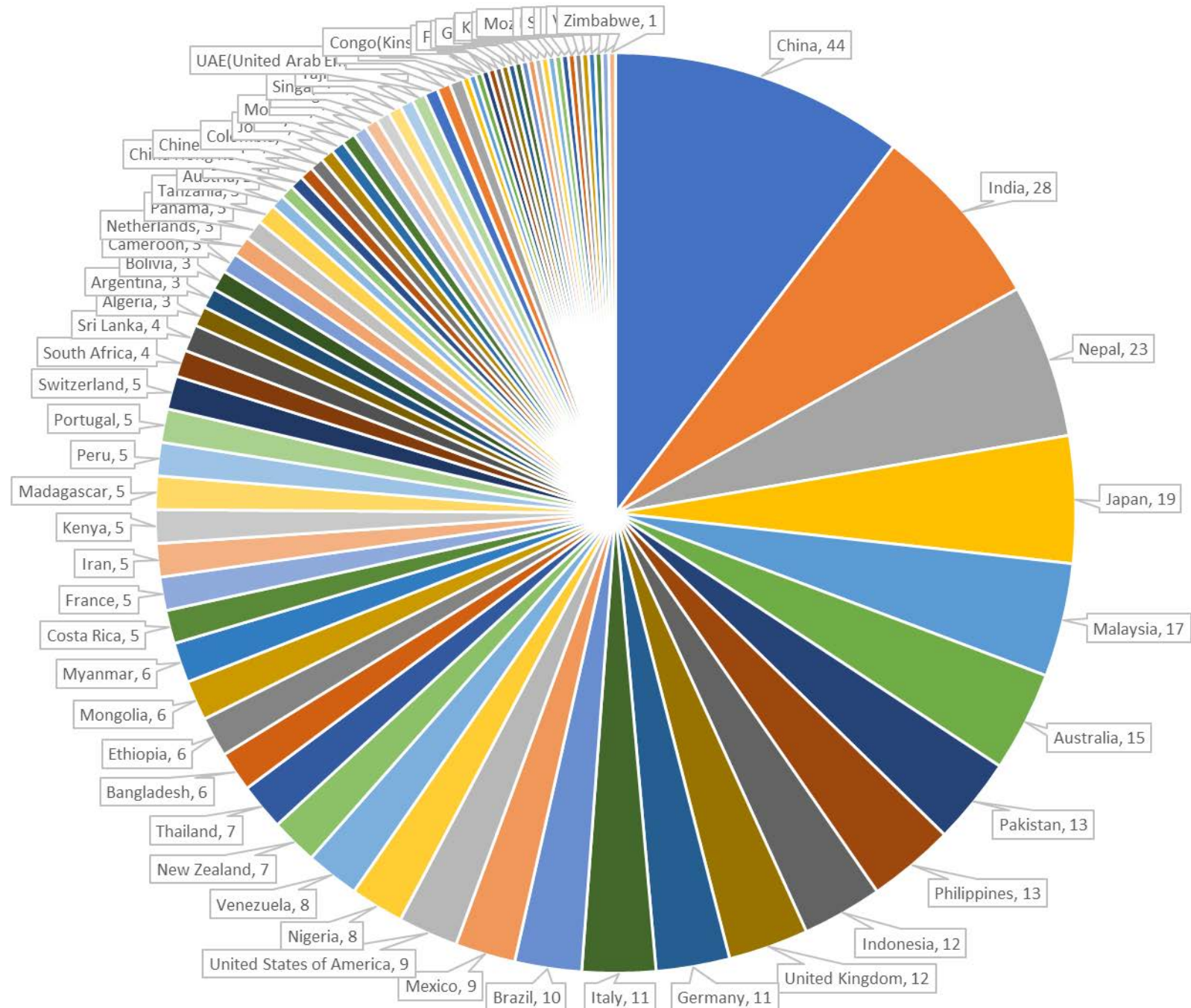
➤ Over **2.63 millions** views of live streams via Facebook and Twitters

➤ **3 Keynote Sessions**

- 6 moderators, 8 speakers, 4 respondents
- 4 rapporteurs

➤ **3 Main Sessions**

- 6 moderators, 23 speakers
- 4 rapporteurs



<p><b>Opening Session</b></p> <p>1. Opening remarks</p> <p>2. Launch of <i>IRDR Compilation 2010-2020</i></p>	<p><b>Main Session 2: <i>Global Research Agenda on DRR</i></b></p>	<p><b>Keynote Session 2: Knowledge in action</b></p>
<p><b>Keynote Session 1: The changing landscape of DRR and risk dynamics</b></p>	<p><b>Main Session 3: Insights and reflections on <i>Global Research Agenda on DRR</i> and the implementation</b></p>	<p><b>Keynote Session 3: Challenges and Opportunities for Cooperation</b></p>
<p><b>Main Session 1: IRDR achievements and lessons learnt</b></p>		<p><b>Closing Session</b></p> <p>1. Conference Summary</p> <p>2. Closing remarks</p>

Organisers	6 Pre-sessions
ICoE-CCOUC	Latest frontier and application of Health-EDRM within the scope of COVID-19
ICoE-RIG-WECEIPHE	Climate change and One health
ANSO-DRR	ANSO-DRR consultation (close door)
ICoE-SEADPRI-UKM	Risk Science for Resilient Cities - From Concept to Action
NC Japan	Promoting Coherence among Disaster Risk Reduction, Climate Change Adaptation, and Sustainable Development by Establishing an “Online Synthesis System (OSS)” and Fostering “Facilitators” using OSS
ICoE-REaL	Global Research Agenda on DRR - Perspectives from Africa

89 cases  
from  
IRDR  
WGs/NC/  
ICoE/YS



**2010–2020**  
COMPILATION: A TEN-YEAR SCIENCE QUEST  
FOR DISASTER RISK REDUCTION

Mobilizing Science for  
Disaster Risk Reduction and Development Safety

A faint, light blue world map is centered in the background of the slide, showing the outlines of continents and major landmasses.

Thank you for your contributions

Download:

[https://www.irdrinternational.org/knowledge\\_pool/publications/868](https://www.irdrinternational.org/knowledge_pool/publications/868)

Citation of this publication: IRDR(2021). IRDR Compilation: A ten-year science quest for disaster risk reduction. 315 pages. Doi:10.24948/2021.02



# Global Research Agenda on DRR

Download: <https://www.irdrinternational.org/news/870>





**Priority Area 1: Understanding risk creation and perpetuation: systemic, cascading and complex risks.**



**Priority Area 2: Addressing inequalities, injustices, marginalisation and vulnerabilities.**



**Priority Area 3: Enable transformative governance and action to reduce risk.**



**Priority Area 4: Understanding the implications of new thinking on hazards.**



**Priority Area 5: Harness technologies, innovations, data and knowledge for risk reduction**





**Priority Area 6: Support regional\* and national science and knowledge for policy and action.**



**Priority Area 7: Supporting just and equitable transitions, adaptation and risk reduction.**



**Priority Area 8: Measurement to help drive progress.**



**Priority Area 9: Foster multi-stakeholder collaboration for solutions to risk challenges.**

# Some recent activities

- **GEM** Governing Board Meeting
- CODATA Global Open Science Cloud (**GOSC**) Initiative: ‘Introduction and Launch of Case Studies and Working Groups’
- 5th Global Summit of **GADRI**
- International Forum on Big Data for SDGs under **CBAS**
- 2nd **AoA** Steering Committee Meeting
- **NSET** Strategic Plan (2021-2030) Launching Event
- **UNEP** Training of Instructors (ToI) on **Ecosystem-based** Disaster Risk Reduction (DRR) and Climate Change Adaptation (CCA) in China

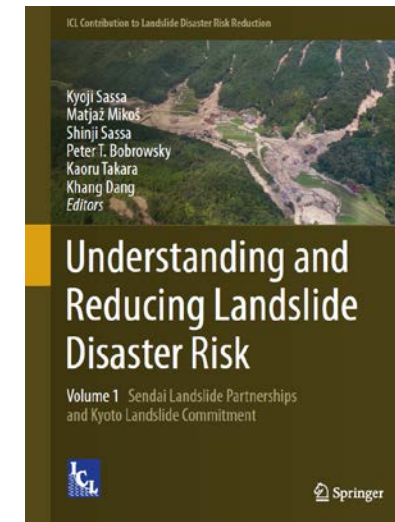
# IPO will attend 5<sup>th</sup> World Landslide Forum, 3-6 Nov 2021

## *Theme 1: Sendai Landslide Partnerships and Kyoto Landslide Commitment*

First Coordinator: Kyoji Sassa (ICL Headquarters)

Contact: ICL secretariat <secretariat@iclhq.org>

- Session 1.1 Sendai Landslide Partnerships, Kyoto Landslide Commitment, and International Programme on Landslides
- Session 1.2 Landslide-induced Tsunamis
- **Session 1.3 Landslides at UNESCO designates sites and contribution from WMO, FAO, IRDR**
- Session 1.4 Education and Capacity Development for Risk Management and Risk Governance
- Session 1.5 SATREPS-Rain-induced Rapid and Long Travelling Landslides



### Integrating DRR into the Conservation and Management Mechanisms of the Internationally Designated Sites—View of IRDR

Qunli Han and Fang Lian

#### Abstract

Internationally designate sites (IDAs) refers to Biosphere Reserves (BR), World Heritage (WH) properties and Global Geoparks designed by UNESCO for global conservation of biological, cultural and geological diversities and sustainable use. The relevance of DRR in IDAs has been seen increasing due to the concern over climate change impacts and earthquake, landslides and volcano eruptions in recent years. What at stake are firstly about the conservation values of IDAs. It is also about safety of people, both living near IDAs and visitors, as most IDAs are also important tourism destinations. IDAs are thus highly relevant to SFDRR Priorities and Sustainable Development Targets. WLF4 in 2017 provided an important occasion to underscore landslide disaster risks in IDAs and the needs for ICL's global support to IDAs. Given disaster response in practice remains more a common approach in IDAs, 2018 Huangshan Dialogue, co-sponsored by UNESCO-HIST and IRDR, produced an initial set of recommendations for improvement. For better integration of DRR in IDAs practices, one needs also to look into the statutory instruments used in IDAs. In parallel, greater effort is required to further develop an international DRR initiative for IDAs, in order to facilitate research cooperation, data and knowledge sharing, multi-early warning and fast assessment, access to expertise and capacity building. All these are of interest of IRDR in pursuing a new partnership with UNESCO, ICL and others in its planned new DRR research agenda for 2030.

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#### Keywords

Internationally designate sites • Disaster risk reduction • Partnership • IRDR • UNESCO • ICL

#### The Question of Relevance

Internationally designate sites (IDAs) is a relatively new term people use to refer to Biosphere Reserves (BR), World Heritage (WH) properties and UNESCO Global Geoparks (UGG) designed by UNESCO.<sup>1</sup> Biosphere reserves are terrestrial and coastal ecosystems designed by Man and the Biosphere (MAB) Programme of UNESCO to promote solutions to reconcile the conservation of biodiversity with its sustainable use (UNESCO 2018b). Together, these sites constitute a World Network of Biosphere Reserves (UNESCO 2018a). World Heritage sites are those places recognized of having 'Outstanding Universal Values' (OUVs) in accordance the criteria (6 cultural and 4 natural criteria) of the Operational Guidelines of the WH Convention (UNESCO 2018d). Each WH site is unique and irreplaceable. A new IDA category is UNESCO Global Geoparks, referring to single, unified geographical areas where sites and landscapes of international geological significance are managed with a holistic concept of protection, education and sustainable development (UNESCO 2018c).

As of 2019, there are 701 Biosphere Reserves in 124 countries, 1121 sites inscribed in the World Heritage List, among which 869 cultural, 213 natural and 39 mixed, and 114 Global Geoparks in 41 countries. The total terrestrial coverage of IDAs are already over 1 billion ha with an estimated human population over 200 million. Although there is no proper statistic data regarding the overall

<sup>1</sup>There is also a category of wetland of international importance under Ramsar Convention, which is regarded also as IDAs but not so much relevant to the topic of this paper.



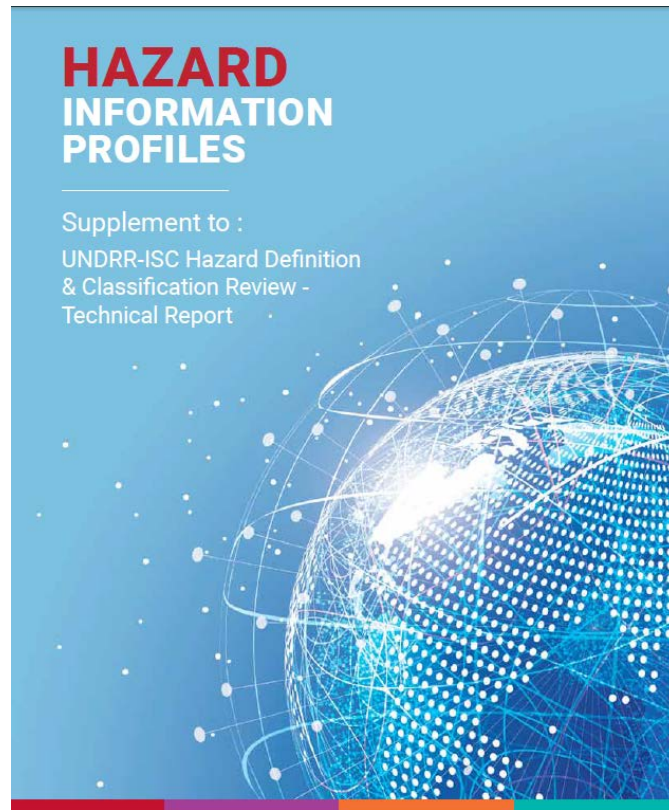
# IPO Inputs toward:

- ISC Action Plan 2022-2024
- Risk KAN concept note
- Act as member of Organising Teams of GP2022 TS5 and TS12

TS5	Enhancing Understanding and Management of Disaster Risk in Humanitarian Contexts	<ul style="list-style-type: none"><li>- Bangladesh, Institute of Disaster Management and Vulnerability Studies</li><li>- Ecuador, National Service for Risk and Emergency Management (SNGRE)</li><li>- Philippines, Office of Civil Defense</li><li>- United States, Agency for International Development (USAID)</li><li>- Habitat for Humanity International</li><li>- HelpAge India</li><li>- <b>Integrated Research on Disaster Risk</b></li><li>- International Union for Conservation of Nature (IUCN) Friends of Ecosystem-based Adaptation (EBA) Network</li></ul>
TS12	Cooperation Across Borders for Strengthened Capacity and Action (Target F)	<ul style="list-style-type: none"><li>- Japan, National Research Institute for Earth Science and Disaster Resilience</li><li>- Solomon Islands, National Disaster Management Office</li><li>- Association of Southeast Asian Nations (ASEAN)</li><li>- <b>Integrated Research on Disaster Risk (IRDR)</b></li><li>- The Alliance of International Science Organizations on Disaster Risk Reduction</li><li>- The Asia Foundation</li><li>- United Nations Economic Commission for Europe (UNECE)</li><li>- UN Women</li></ul>



# Hazard Information Profiles: Supplement to UNDRR-ISC Hazard Definition & Classification Review - Technical Report, led by Prof V. Murray



Aligned with the list of hazards published in the Technical Report, this Supplement comprises of a description of each of the **302 hazard information profiles (HIPs)**, developed using a consultative process by scientists and experts across the globe.

## The Science for Sustainability Award of ISC was given to Prof. Guo Huadong

who has led the development of a platform to integrate Big Earth Data for monitoring and predicting progress towards the Sustainable Development Goals.



Thank you for your attention!