



International
Association of
Disaster
Risk
Reduction
(IADRR)

An aerial photograph of a mountain valley. The valley floor is a mix of brown and grey, with a winding river and some small structures. The mountains are steep and rocky, with some snow patches. The sky is blue with white clouds. A semi-transparent grey box is overlaid on the image, containing the text.

International Program on

**SILK ROAD
DISASTER RISK REDUCTION
(SiDRR)**

Prof. CUI Peng

Chinese Academy of Sciences

Overall Natural Hazards Mapping

Natural hazards concentrate in the "Belt and Road"

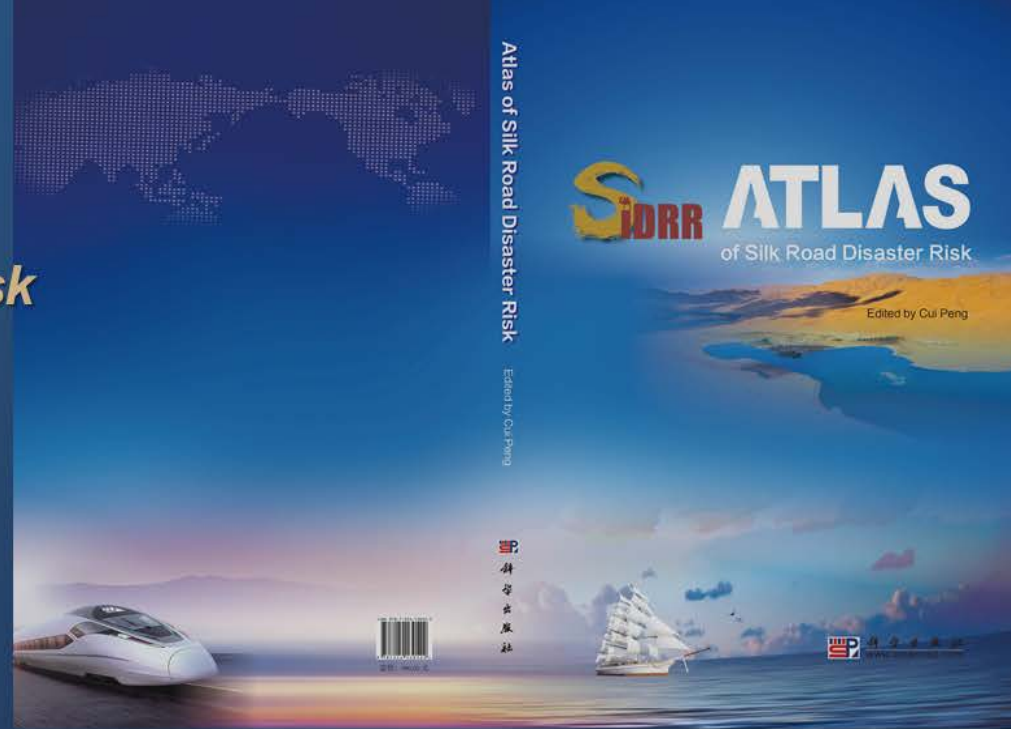
 Geology	 Geophysical	 Hydrological
 Meteorological	 Climatological	 Maritime



TWO Publications:

Atlas of Silk Road Disaster Risk

- Background
- Disaster Characteristics
- Disaster Events
- Disaster Risk Assessment



Glance at the Silk Road Disaster Risk

- Background and Objectives
- Temporal and Spatial Pattern of Disaster
- Disaster Risk Assessment
- Disaster Risk Management



International Conference on Silk-roads Disaster Risk Reduction and Sustainable Development (SiDRR Conference, May 2019, Beijing)

Towards Safe, Green, and Resilient Silk Road!

Hosts:

- ◆ Chinese Academy of Sciences (CAS)
- ◆ China Association for Science and Technology (CAST)
- ◆ Alliance of International Science Organizations (ANSO)
- ◆ United Nations Office for Disaster Risk Reduction (UNDRR)
- ◆ United Nations Environment Programme (UNEP)



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Sponsors:

◆ ISC members:

International Geographical Union (IGU); International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE)
International Association for Engineering Geology and the Environment (IAEG); International Water Resources Association (IWRA)
International Consortium on Landslides (ICL); World Association of Soil and Water Conservation (WASWAC)
The International Centre for Integrated Mountain Development (ICIMOD)



Towards Safe, Green, and Resilient Silk Road!

Over **1,000** conference participants from **44** countries/regions

Disaster and Risk Concept

Risk

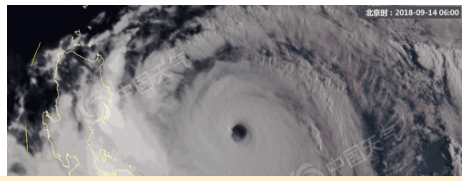
Risk Reduction

Disaster

Hazard

Vulnerability

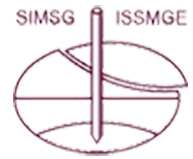
Triggering Mechanisms



No such an international association covers **all the natural hazards** and **whole process of disaster** risks reduction!

Many of the **1,000** SiDRR conference participants from **44** countries/regions support the idea to **establish a new international association** on DRR, and more than **10** national/regional research organizations would like to be **its branches**.

Theory



Technology



disaster

Management





*“ We are all aware that **climate change** is happening **faster** than we thought possible, **extreme weather events** are **increasing in frequency and severity**. Every change we make in the environment can trigger **new disaster risks**. I encourage scientists and researchers to create **a new wave of innovations in disaster-resilient infrastructure and wide-scale disaster risk reduction**, creating **new methods** for rapid and accurate risk analysis, developing **affordable and transferable solutions** for risk reduction and mitigation, and formulating **new standards** for resilience, by which all construction and infrastructure development can be further improved.”*

**Mami Mizutori, SRSG,
UNDRR**



[Greeting video for the International Conference on Silk-road Disaster Risk Reduction and Sustainable Development (SiDRR Conference 2019) held in May 2019 in Beijing]

IADRR International Association of Disaster Risk Reduction

- International
- Non-governmental
- Professional



Development of disaster risk reduction (DRR) endeavors around the world.

Promote international cooperation among scientists, engineers, practitioners in the field of DRR.



Exchange knowledge, ideas, research outputs, and practical experiences.

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VISION

To provide an **international professional platform** for people with various kinds of expertise contributing to DRR endeavors. It embraces the vision of the UN landmark framework agreements, including the Sendai Framework for Disaster Risk Reduction 2015-2030, the Agenda 2030 for Sustainable Development, and the Paris Agreement on Climate Change. It will structure its activities to facilitate the implementation of these agreements at different levels, to **ensure the safe, resilient and sustainable development of our human society.**



Expect valuable inputs for improvement

MISSIONS

Expect valuable inputs for improvement



International science platform for DRR

- Host international conferences, regional **meetings and workshops** to promote the development of DRR.
- Establish an **online community** for **communications and collaborations** on DRR endeavors.



Filling the gaps

Bring all stakeholders –

- **Scientists: natural & social sciences**
- **Researchers**
- **Engineers**
- **Decision makers**
- **Architects**
- **Urban planners**
- **Public officials**
- **Healthcare professionals**
- **Media...**

To better contribute to the DRR endeavors.



DRR Publications

- The **journal** of the Association is proposed to be the *Progress in Disaster Science*, an Elsevier journal which was launched in the 2019 Global Platform for DRR, to support the **research output and communications** of DRR.



MISSIONS

Expect valuable inputs for improvement



Policy-making consultations

- Provide **scientific consultations** for governments and the industry.
- Promote international researches on DRR-related **general standards** for resilience.



Communication and public education

- Promote better **science communications and public education** in DRR, improving science literacy of the public to better understand disaster risk reduction.
- Improve the **abilities** of engineers and technicians to think outside the books in **solving practical issues**.



Information sharing and database

- Establish a DRR-related **information sharing platform** for members to contribute valuable **data** and to utilize data contributed by others.



MISSIONS

Expect valuable inputs for improvement



Young scientists

- The Association will set up a **Young scientists Commission** to encourage the training and development of young scientists who share interests and desires for devotion in the field of DRR.



DRR awards

- Set up **awards for outstanding DRR scientists** for their contributions (one award each year), and to inspire **young scientists** (ten awards each year) under the age of 40 with **region and gender balance**.



2020 - 2025

- **Establishment** of the Association as a legal entity, improvement of its **organization and structure**, ensure financial support and human resources for office operation.
- Organize an **international conference and conference for general assembly**, and to make regional contributions to the implementation of Sendai Framework.
- Develop **over 2000 individual members** who share the interests of DRR. Its journal, *Progress in Disaster Science*, becomes an **SCI journal**

2025 - 2030

- Apply for **formal membership** in International Science Council (ISC).
- Grow membership to **over 5000** and play an important role in the global DRR endeavors.
- Its **journal** and **DRR awards** becomes more well-established and recognized within the international community, and serves as a catalyst for dedicated DRR professionals around the globe.

2030 - 2040

- Become a **leading** global, professional organization initializing and coordinating researches, teachings and practices of DRR in countries around the world.
- Members reach the target number of **10,000**, and its international DRR conferences become well-established with global influence in the community.

ROADMAP

IADRR International Association of Disaster Risk Reduction



STRUCTURE

Executive team

Chair, Vice-Chairs, Steering Committee, Secretary General, Secretary Office (possibly Beijing), Treasurer

Structure

General Assembly, National chapters/Committees, Commissions, Task Forces

Members

Individual members, including scientists, researchers, engineers, practitioners, etc.

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Proposed Task Forces

- physical process
- monitoring and early warning
- communications and public education
- healthcare and psychological intervention
- risk policy
- resilient society
- resilient infrastructure
- reconstruction
- information sharing
- risk analysis and management
- transboundary hazards
- mitigation technologies
-



Towards a safe, resilient, sustainable Society

The idea of the Association was recognized by several countries' representatives. All of them expressed interests in holding national chapters and joining the initiative. We have also sought UNDRR, MEM guidance and support from UNESCAP & ADPC.

The above is a draft for consultation, that will be refined while seeking advice from existing outstanding mechanisms, e.g., IRDR, as with details of the organizational structure of the new Association. In the meantime, we are looking forward to hearing valuable advice on the ideas above and potential interests.

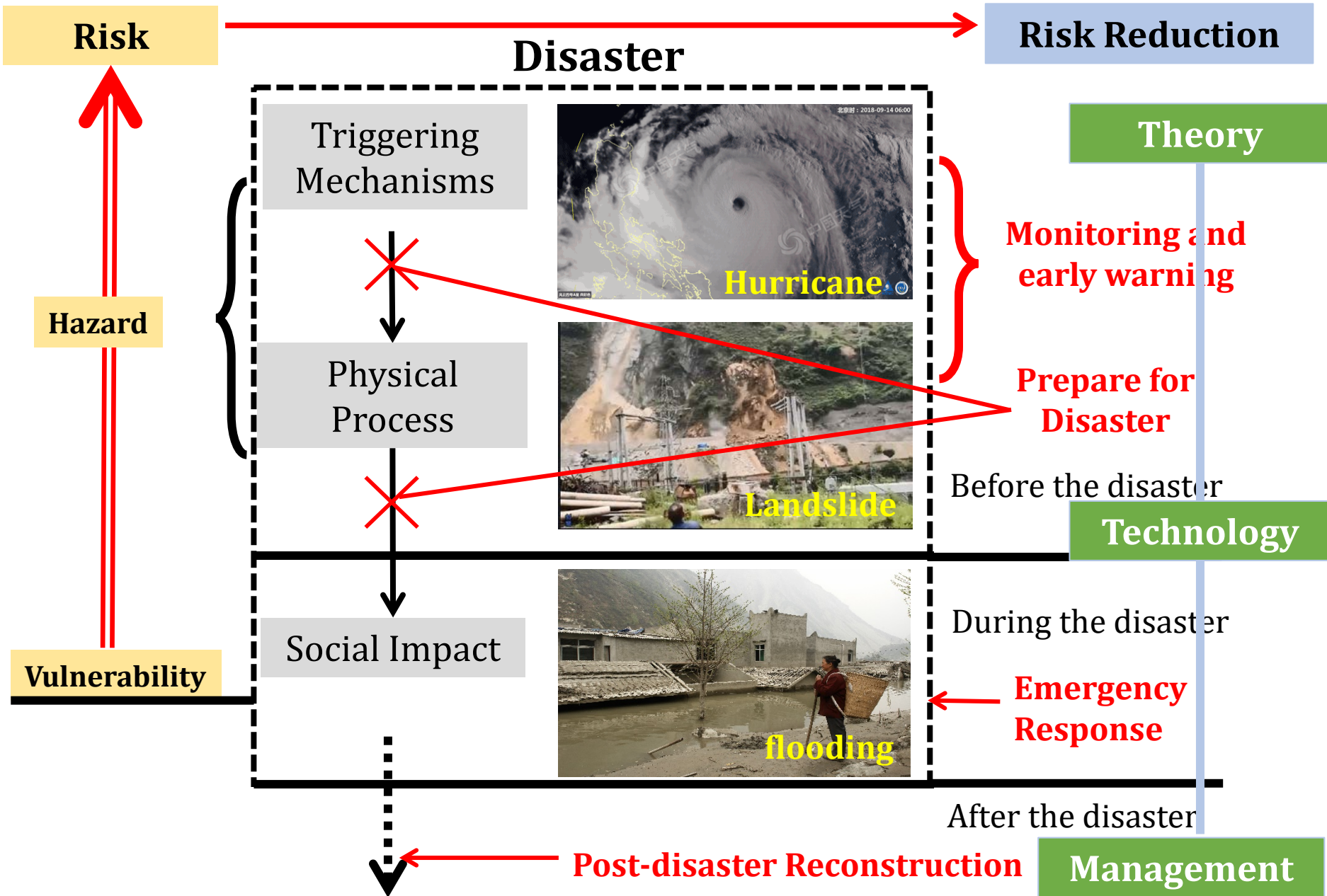


THANK YOU!

IADRR International Association of
Disaster Risk Reduction



3.1 Disaster and Risk Concept



FINANCE



- The Association now is seeking **potential financial support** from Chinese Association of Science and Technology.
- The income of the association may also come from **contributions** by members, other sponsors, etc.
- The Association welcomes applications for **institution sponsors** from academic institutions, government agencies, organizations, or corporations who support the goals and programs of the Association.





**Seek
guidance
and
assistance
from
UNDRR**

The idea of the Association was recently recognized by four countries' representatives during Himalaya University Consortium meeting early this July. All of them expressed interests in holding **national chapters and joining the initiative**.

Over **1,000** SiDRR conference participants from **44** countries/regions support to **establish this Association**, and more than **10** national/regional research organizations would like to be **its branches**. We are now seeking **UNDRR guidance** and **endorsement** for the Association:

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Disaster Risk Reduction





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Discussion points:

- How to better fulfill the requirements of **Sendai Framework**
- How to better construct and operate the new Association under **the guidance of UNDRR**
- Seeking possibilities of **launching** on the APSTCDRR conference
- We are seeking endorsement and support from UNDRR in Association missions such as :
 - UNDRR joins **Awards** Committee
 - International **conferences** and **training** projects to be included into UNDRR work plan
 - Awarded **young scientists** to have opportunities in UNDRR recommendation to international/regional platform
- Others

