

# **International Conference on Silk-road Disaster Risk Reduction and Sustainable Development**

**May 11-12, 2019**

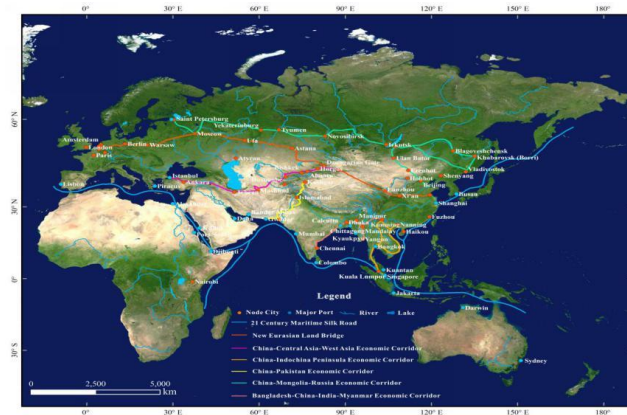
**Beijing International Convention Center, CHINA**

**SiDRR Conference 2019**

**Conference Website: <http://www.sidrr.com/>**

*Updated on April 14, 2019*

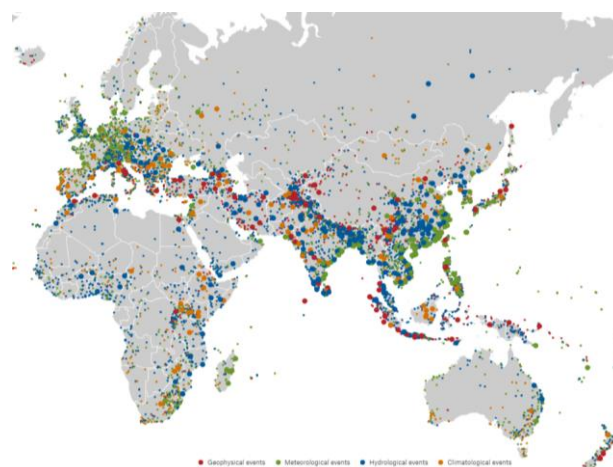
# 1. Background



The Silk Road, beginning in the Han Dynasty (207 BC-220 AD), crosses more than 70 countries and affects some 4.4 billion people (63% of the world).

For centuries, the Silk Road has played an essential role in connecting the East and the West, through the exchange of the trade, science, technology and civilization. However, due to active underlying geological structures, including rapid tectonic uplift, climate change, and natural hazards (e.g., earthquakes, landslides, floods, typhoons, tsunamis, etc.) that occur frequently, these conditions place threats on both social development and livelihoods along the Silk Road.

Furthermore, numerous challenges related to disaster risk reduction exist in this area, including a lack of background information and data sharing mechanism, as well as an absence of a scientific risk assessment method, and mitigation countermeasures etc.



Disaster events 1990-2017 (Source: NatCatSERVICE of Munich RE)

As a result of this serious situation and integrated with the **Sendai Framework for Disaster Risk Reduction** and the **Sustainable Development Goals 2030**, there is an urgent need to promote international cooperation in disaster risk reduction and sustainable development along the Silk Road. Resilience against natural hazards must be improved and an international platform for joint research and information sharing of the field is needed. Therefore, an international research program for the disaster risk reduction along the Silk Roads is being implemented under the umbrella of **SiDRR (Silk-road Disaster Risk Reduction)** by Chinese Academy of Sciences.

The implementation of this program will enhance disaster prevention and will contribute to our ability to guarantee the security of livelihood of the affected countries. Based on this understanding, the Chinese Academy of Sciences, China Association for Science and Technology, United Nations Environment Programme, United Nations Office for Disaster Risk Reduction, Alliance of International Science Organizations (ANSO), and international scientific partners will jointly host the **International Conference on Silk-road Disaster Risk Reduction and Sustainable Development (SiDRR Conference 2019)** in Beijing, on May 11-12, 2019.

SiDRR Conference 2019 is also an important event of ANSO, which was founded by the Chinese Academy of Sciences and 36 other international science and education institutions. ANSO is committed to promoting shared development, sustainable development and the advancement of the UN SDGs through catalyzing and implementing concrete international cooperation initiatives in Science, Technology & Innovation and Capacity Building (STIC), jointly investigating and addressing most urgent regional and global scientific challenges.

## **2. Conference Theme**

### **Theme:**

Towards Safe, Green, and Resilient Silk Roads

### **Topics:**

- Hazard information detection and data sharing
- Mechanisms and physical process
- Risk analysis and management

- Monitoring and early warning
- Disaster prevention and mitigation
- Emergency management and post-disaster reconstruction
- Cross-border disasters
- Sustainable development

### Sessions:

	<b>Organizers</b>	<b>Conveners</b>	<b>Session Themes</b>
1	The Hong Kong University of Science and Technology & International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE)	Charles W. W. Ng	The Formation Process, Mechanism, and Treating Countermeasures of Landslides
2	The International Centre for Integrated Mountain Development (ICIMOD)	David Molden; Yong Nie; Arun Bhakta Shrestha	Monitoring and Early Warning, Cross Border Disaster, Mountain Hazards
3	Collaborating Centre for Oxford University and CUHK for Disaster and Medical Humanitarian Response, The Chinese University of Hong Kong	Emily Ying Yang Chan	Health-Emergency Disaster Risk Management
4	International Association for Engineering Geology and the Environment (IAEG)	Shengwen Qi; Haris Sarogou	Engineering Geology and Geological Engineering
5	Integrated Research on Disaster Risk (IRDR)	Qunli Han	Mobilization of International Science and Technology Collaboration on Disaster Risk Reduction (DRR)
6	Integrated Research on Disaster Risk (IRDR)	Qunli Han	Improving Policy and Science & Technology Interface in Disaster Risk Reduction (DRR)

7	International Water Resources Association (IWRA) Wuhan University	Jun Xia	Risk and Management of Water Disaster under Changing Environment
8	International Consortium on Landslides (ICL)	Peter Bobrowsky; Kyoji Sassa; Alexander Strom; Lijun Su	Advances in Landslide Risk Reduction
9	World Association for Sedimentation and Erosion Research (WASER)	Zhaoyin Wang; Cheng Liu	Sediment Transportation and Geo-hazard Mitigation
10	Institute of Mountain Hazard and Environment, CAS & Chinese Society of Soil and Water Conservation	Xiaoqing Chen; Alessandro Pasuto; Asif. Khan	Mountain Hazards
11	Beijing Normal University	Peijun Shi	Integrated Disaster Risk Governance - Assessment and Management
12	Institute for Disaster Management and Reconstruction (IDMR), Sichuan University-The Hong Kong Polytechnic University	Gretchen Kalonji	Models for Higher Education Collaboration on Natural Disaster Risk Reduction, Response, and Reconstruction
13	Institute of Geographic Sciences and Natural Resources Research, CAS	Weidong Liu; Linxiu Zhang	The Sustainable Development along Silk Roads
14	South China Sea Institute of Oceanology, CAS	Dongxiao Wang; Toshio Yamagata	Marine Observations and Hazards
15	Xinjiang Institute of Ecology and Geography, CAS Research Center for Ecology and Environment of Central Asia, CAS	Xi Chen	Climate Change and Disaster Prevention Technology in Eurasia Arid Zone (DPTUA)

16	Institute of Earth Environment, CAS	Zhisheng An; Sebastian Breitenbach; Liangcheng Tan	Paleoenvironmental Change and Disaster along the Silk Roads
17	Institute of Crustal Dynamics, China Earthquake Administration;  Institute of Geophysics, China Earthquake Administration	Yuntai Chen;  Xiwei Xu	The Geological and Geophysical Process, Mechanism, and Precaution Measures of Natural Earthquakes
18	Youth Innovation Promotion Association, CAS	Wei Yang; Hong Yan; Wei Zhao	Young Scientist Forum
19	IUGS Task Group on Geohazards (TGG)	Yasukuni Okubo; Kiichiro Kawamura; Honglin He	Societal Impacts of Geohazards
20	International Association for Mathematical Geosciences (IAMG)	Jennifer McKinley;  Yong Ge	Disaster Monitoring and Risk Assessment
21	Institute of Cold Regions Science and Engineering Northeast Forestry University, China  State Key Laboratory of Frozen Soil Engineering, China	Wei Shan;  Huijun Jin;  Ying Guo	Engineering and Environmental Geological Disasters in Permafrost Area
22	Institute of Geographic Sciences and Natural Resources Research, CAS  International Knowledge Centre for Engineering Sciences and Technology under the Auspices of UNESCO (IKCEST)	Juanle Wang;  Elena Grigorieva	Disaster Risk Reduction Knowledge Service
23	China Railway Eryuan Engineering Group CO., LTD  Southwest Jiaotong University	Zhu Ying;  Ping Wang	Railway Engineering on “the Belt and Road”

24	ANSO, School of Economics and Management of UCAS, Center for Environmental Economics of UCAS, and International College of UCAS	Desheng WU; Philip C.L. Chen Likun Ai	Science and Technology Development for a Sustainable World
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### 3. Milestone

April 20, 2019                      Deadline for early bird registration  
May 11-12, 2019                      SiDRR Conference

### 4. Conference Form

The secretariat of the International Conference on Silk-road Disaster Risk Reduction and Sustainable Development invites representatives from all the hosts, organizers and co-organizers, as well as renowned experts and researchers from all continents to participate in the Conference. The Conference will consist of plenary sessions and symposiums. We anticipate some 500 participates.

### 5. Call for Extended Abstracts

We are pleased to invite you to attend SiDRR Conference 2019 by presenting your work related to all disciplines relevant to disasters, by submitting a two-page extended abstract of the respective presentation (Times New Roman 12 point font only). All submissions (extended abstract and the respective presentation) will be compiled and made available to attending participants.

Extended abstract should be submitted through the conference website (<http://www.sidrr.com/>) before April 5, 2019. Authors will be notified of all abstract acceptances no later than April 10, 2019. Note that the extended abstract submitted to SiDRR Conference 2019 will only be accepted after a

rigorous peer-review process. Some of the selected extended abstract will be encouraged to expand their contribution into a journal paper and with a recommended for submission to international refereed journals.

## **6. Hosts, Sponsors and Organizers**

### **Hosts:**

Chinese Academy of Sciences (CAS)

China Association for Science and Technology (CAST)

United Nations Environment Programme (UNEP)

United Nations Office for Disaster Risk Reduction (UNISDR)

Alliance of International Science Organizations (ANSO)

### **Sponsors:**

International Union of Geological Sciences (IUGS)

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)

International Association for Mathematical Geosciences (IAMG)

World Association for Sedimentation and Erosion Research (WASER)

The International Centre for Integrated Mountain Development (ICIMOD)

Research Center for Ecology and Environment of Central Asia, CAS

World Association of Soil and Water Conservation (WASWAC)

Institute for Planets



## Organizers:

Institute of Mountain Hazards and Environment, CAS

Institute of Geographic Sciences and Natural Resources Research, CAS

Chinese Society of Soil and Water Conservation

The Hong Kong University of Science and Technology

Integrated Research on Disaster Risk (IRDR)

Collaborating Centre for Oxford University and CUHK for Disaster and Medical Humanitarian Response (CCOUC), The Chinese University of Hong Kong

Beijing Normal University

Sichuan University

South China Sea Institute of Oceanology, CAS

Xinjiang Institute of Ecology and Geography, CAS

Institute of Earth Environment, CAS

Institute of Geophysics and Institute of Crustal Dynamics, China Earthquake Administration

Youth Innovation Promotion Association, CAS

## 7. Secretariats and Contacts

Secretary General: Professor Xiaoqing Chen

Conference Website: <http://www.sidrr.com/>

Conference Email: [sidrr@imde.ac.cn](mailto:sidrr@imde.ac.cn)

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