

Progress and Updates of IRDR CHINA

Report on Activities: May - November 2016

IRDR CHINA Established October, 2010



A group photo of the 2nd IRDR CHINA

- Established on October 8, 2010;
- To coordinate disaster scientists/organizations nationwide to address disasters in an integrated approach and support the IRDR Plan.

- Chair: Academician Guo Huadong
- **40** members from research institutions, universities, media, state agencies...
- **15** nation-wide scientific associations
- **Top experts** in main areas of disaster risk reduction research, atmospheric sciences, economists, public health, psychologists, and policy.
- **Work plan** for 2015-2017

Main activities of IRDR CHINA (May - November 2016)

1

**Strategic Support on DRR
for the “Belt and Road”**

2

**Linking Science & Technology
and Policy in China**

3

Capacity Building for DRR

Strategic Support: Belt and Road Initiative

"Silk Road Economic Belt"



Nepal Earthquake-2015



Pakistan Floods-2010



Tajikistan Mudslides-2015



Mongolia Wildfire-2010



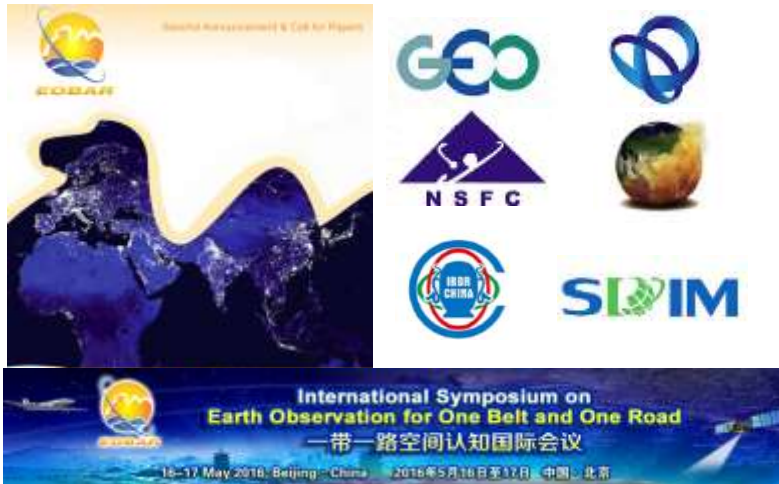
"Maritime Silk Road"



Disaster risk remains high and is a big challenge for the sustainable development of the "One Belt One Road" countries

Related Activities

The International Symposium on EO for One Belt and One Road



May 16-17, 2016

AARSE 2016 in Africa



Oct. 24-28, 2016

DRR Workshop in Digital Earth Summit



July 7-8, 2016

International Workshop on Natural Hazard Risk Reduction for the B&R



Nov. 8-9, 2016

DRR Activities



1st Asian Science and Technology Conference for Disaster Risk Reduction

Science-Policy Dialogue for Implementation of the Sendai Framework

23-24 August 2016, Bangkok

***1st Workshop to Strengthen Scientific Advisory Capacities for Disaster Risk Reduction
Bangkok, Thailand, 25-26 August 2016***



“Digital Belt And Road (DBAR)” Initiative



Initiated in EOBAR, be given the fullest support by more than 20 countries

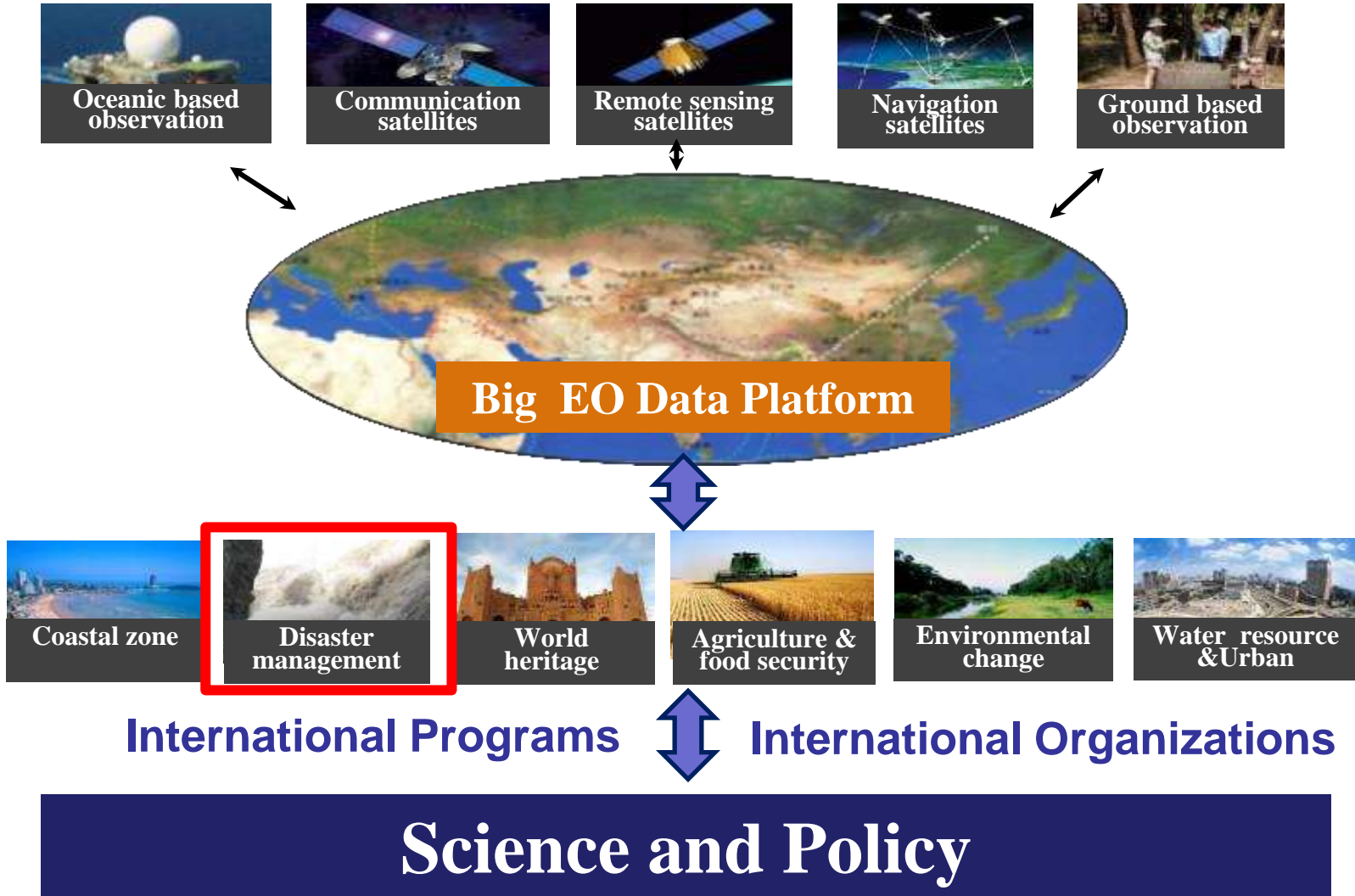
Beijing Declaration on Earth Observation for Belt and Road

May 17, 2016

We, scientists, researchers, academics, engineers, educators and administrators from more than 20 countries, and representatives of international organizations, met in Beijing, China, at the International Symposium on Earth Observation (EO) for Belt and Road (EOBAR), co-hosted by the Division of Earth Sciences of the Chinese Academy of Sciences (CAS) and related ministries, commissions, and international organizations, on 16 and 17 May 2016.

Background

Conceptual Framework of DBAR Initiative



“Digital Belt and Road” Initiative (DBAR)-Disaster Theme

Jointly Implemented by:

“Digital Belt and Road” Initiative (DBAR)

Integrated Research on Disaster Risk (IRDR)

International Programme Office (IPO),

IRDR China National Committee (IRDR CHINA)

International Society for Digital Earth (ISDE)

Institute of Remote Sensing and Digital Earth (RADI)

CAS-TWAS Centre of Excellence on Space Technology for Disaster Mitigation (SDIM)



Objectives

- To **undertake innovative, implementation oriented research** in the field of DRR along Belt and Road
- To **strengthen national research capacities** to enable informed decision-making in different aspects of disaster risk reduction
- To foster the development of young professionals and researchers through **training and capacity building** programs

“Digital Belt and Road” Initiative (DBAR)-Disaster Theme

2016-2017

- DBAR-Disaster **Regional Research Platform**
- First **Consultative Workshop** of Regional Research Platform
- Regional Research Strategy
- Enhanced **capacities of young scientists**

2017-2018

- Second Consultative Workshop of Regional Research Platform
- National Research Strategy
- Enhanced capacities of young scientists
- Country based research project

2018-2019

- Third Consultative Workshop of Regional Research Platform
- Enhanced capacities of young scientists
- Country based research project
- National research platform

“Digital Belt and Road” Initiative (DBAR)-Disaster Theme

First Consultative Workshop of Regional Research Platform

“Digital Belt and Road” Initiative (DBAR)-Disaster Theme

First Consultative Workshop of Regional Research Platform
to

**Strengthening Science Capacities for
Sustainable Development and Disaster Risk Reduction**

Digital Belt and Road Project (DBAR)-Disaster

Date: 1-2 December 2016

Venue: Institute of Remote Sensing and Digital Earth (RADI)
Sanya, China

Background

“Digital Belt and Road” Initiative (DBAR), jointly with Integrated Research on Disaster Risk (IRDR) International Programme Office (IPO), IRDR China National Committee (IRDR CHINA), Institute of Remote Sensing and Digital Earth (RADI) and CAS-TWAS Centre of Excellence on Space Technology for Disaster Mitigation (SDIM) will conduct international research program (DBAR-Disaster) to

- To discuss the **potential needs** and priorities under the DBAR-Disaster project
- To discuss the need of a **regional research strategy** to bridge the gap between science and policy/decision making
- To identify **key research areas** under DBAR-Disaster
- To **formulate** the DBAR-Disaster regional research platform

“Digital Belt and Road” Initiative (DBAR)-Disaster Theme

Member of DBAR Disaster Working Group

1	Bangladesh	Anwarul Abedin	Bangladesh Agriculture University
2.	India	Vinod Sharma	Indian Institute of Public Administration
3.	Indonesia	Sugeng Triutomo	Defense University of Indonesia
4.	Iran	Ali Ardalan	Teheran University of Medical Sciences
5	Malaysia	Joy Pereira	University Kebangsan Malaysia
6	Myanmar	U Aung Myint	Myanmar Engineering Society
7	Nepal	Amod Mani Dixit	National Society of Earthquake Technology (NSET)
8	Pakistan	Atta-ur Rahman	University of Peshawar
9	Sri Lanka	Deepthi Wickramasinghe	University of Colombo
10	Civil Society	Manu Gupta	Asian Disaster Reduction and Response Network (ADRRN)
11	IRDR	Virginia Murray	IRDR SC
12	IRDR	Salvano Briceno	IRDR SC
13	IRDR	Rajib Shaw	IRDR IPO
14	China	Chen Fang	IRDR China
15	China	Jia Gensuo	IRDR China
16	China	Xiaoqing Wang	IRDR China
17	South Africa	Wim Hugo	WDS

Linking Science & Technology and Policy in China

Launch a project for serial strategic and science reports on DRR for “Belt and Road”

2016-DRR strategies in China's new urbanization process

从灾害管理到灾害风险管理 ——中国灾害风险综合研究（草稿）

- 1. 报告的背景和目标**
说明灾害风险管理是保障可持续发展目标等目标和公约的关键手段，如全球 60 亿美元的灾害风险管理投资，带来减少灾害风险的收益达到 3600 亿美元（1：60）-GAR 2015 报告
- 2. 灾害风险综合研究的意义**
灾害风险管理涉及到科学、经济、政策、法律等多方面事宜，灾害风险综合研究是科学实施灾害风险管理的保障
- 3. 从灾害管理到灾害风险管理-以中国新型城镇化建设为例**
--地震与地质灾害风险管理
四点主体内容：新型城镇化建设为何需关注地震与地质灾害风险、中国新型城镇化建设中的地震与地质灾害风险管理涉及到

三、 报告大纲

一带一路灾害风险综合研究战略报告（草稿）

- (1) 报告的背景和目标
- (2) 一带一路灾害风险的宏观情况（包括灾害情况、各国现有主要减灾体制机制、减灾合作情况、减灾对其区域经济的影响等）
- (3) “一带一路”地震与地质灾害风险综合研究关注的重点方向与发展分析
- (4) “一带一路”水旱灾害风险综合研究关注的重点方向与发展分析
- (5) “一带一路”风暴灾害风险综合研究关注的重点方向与发展分析
- (6) “一带一路”气候变化灾害风险综合研究关注的重点方向与发展分析

IRDR CHINA Working Group Meeting Nov. 28-30, 2016

Linking Science & Technology and Policy

GLOBAL PLATFORM FOR DISASTER RISK REDUCTION - FIFTH SESSION
22-26 May, 2017 | Cancun, Mexico | #MEXICOGP2017 | #SWITCH2SENDAI



UNISDR
The United Nations Office for Disaster Risk Reduction

Title of the side event

Global Partnership on Space Technology Applications for Disaster Risk Reduction (GP-STAR)

Version 0.3

2017-10-11

Initial Draft for first discussions

TERMS OF REFERENCE

Global Partnership on Space Technology Applications for Disaster Risk Reduction (GP-STAR) - A Synergy Framework for the integration of Earth Observation technologies into Disaster Risk Reduction

In response to the calls for voluntary partnerships by UNISDR to support the implementation of the Sendai Framework for Disaster Risk Reduction 2015-2030, the Global Partnership on Space Technology Applications for Disaster Risk Reduction (GP-STAR) was launched during the World Conference on Disaster Risk Reduction in Sendai, Japan, on March 15, 2015. The partnership committed to fostering the use of Earth observation as well as Space-based Technologies and Applications in the context of the Sendai Framework for Disaster Risk Reduction 2015-2030 (Sendai Framework). In doing so, it will support the implementation of the Sendai Framework through, for example, providing advice to governments, organizations, and projects on the use of space technologies and applications in disaster risk reduction efforts, and the provision of

Title of the side event

DRR Scientific Capacities for Sustainable Development along the Belt and Road



2017 Global Platform for Disaster Risk Reduction
31-26 May 2017 - Cancun, Mexico

REGISTRATION FORM
Deadline for submission: 27 October 2016

IDENTITY

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Email: chenfang@radi.ac.cn..... Tel No: +86 1082178105.....
Gender: Female Male

AFFILIATION

Title:.....
Government Please specify:.....
United Nations Please specify:.....
Private sector Please specify:.....
Civil society Please specify:.....
Academia Please specify: "Digital Belt and Road" Initiative (DBAR)
Other Please specify:.....

INTEREST IN JOINING ORGANIZING TEAMS

Please select the session for which you would like to join the Organizing Team*:

Plenaries

- National and Local Disaster Risk Reduction Strategies Integrated with Climate Change and Sustainable Development Plans
- Reducing Vulnerability of Countries in Special Situations
- Sendai Framework Monitoring
- Coherence Between the Sendai Framework and the 2030 Agenda for Sustainable Development

International Training Workshop on Strengthening Science Capacities for Sustainable Development and Disaster Risk Reduction

27 November- 3 December, 2016
Sanya, China

Overall Objective: to make the participants aware of the potential of science and technology for various phases of disaster risk management, and to enhance the capacity building for developing countries to tackle disaster issues using advanced technologies.

Participants: Young academicians and researchers in the field of disaster risk reduction; Young practitioners from national/ local governments and civil society organizations.

Financial Assistance: round-trip international airfares, lodging, field tour, local transportation, etc.

More information: SDIM@radi.ac.cn







Thank you !