



## ANSO President Prof. Chunli Bai Attends the Video Conference of 23<sup>rd</sup> UNCSTD Annual Session

their own should they have a command of it. “CAS can help these countries that need it through the UNSCTD and ANSO cooperation partnership scheme by training, tech transfer, customization and localization”, he said.

Taking the chance, Prof. Bai gave a brief introduction about ANSO, saying as a newly-established international science organization, ANSO has an ambitious goal of leaving its footprints in the promoting and advancing the UN SDGs with a series of concrete S&T actions and has already achieved much success and noticeable impact.

President Bai did not conclude without thanking the international community for their strong support rendered to CAS and China in the Chinese fight against the coronavirus. He also briefly touched upon the scientific and innovation solutions developed and offered by the scientists of CAS to the Chinese and global battle against the terrible pandemic. “With solidarity and close international cooperation, mankind will overcome the current challenges and that of others ahead of us”, he concluded. His remarks received enthusiastic responses from UNCSTD and representatives of various governments and scientific research institutions.

Dr. Shamika Sirimanne of UNCTAD, a major organizer of the event wrote to ANSO, saying, “Please thank Professor Bai for his inspiring speech and the offer of CropWatch products and services to developing countries. We are very proud that CSTD has become a platform for this kind of South-South Cooperation Initiative.”

Agriculture and food security are major focuses and long-term commitments of ANSO to the promotion of the world’s sustainable development. The Cooperation Programme for Agricultural Monitoring (CropWatch-ICP) is one of the ANSO initiatives addressing the world food challenge.

At the invitation of the Secretariat of the United Nations Commission on Science and Technology for Development (UNCSTD), Prof. Chunli Bai, President of the Chinese Academy of Sciences (CAS) and of the Alliance of International Science Organizations (ANSO) attended the 23<sup>rd</sup> Annual Session of UNCSTD on June 11, 2020 via video-link. Having listened to the briefing of the Report of the Secretary-General on the theme of “Exploring Space Technologies for Sustainable Development and the Benefits of International Research Collaboration in This Context”, Prof. Bai made a keynote speech.

He pointed out that the COVID-19 pandemic has made the world realize more than ever before the importance of solidarity, international cooperation and the need for science and innovation in our collective fight against our common enemies. The pandemic has also caused the world food shortages and food insecurity, an even more serious challenge due to the disruption of normal farming and of food supply chains. The situation in the food insecure countries is of particularly big concern. A good understanding of the global food situation and production will help the decision-makings in these countries, but they face the challenge of not being able to have transparent and verifiable information. CropWatch, a system developed by a team of CAS scientists can empower these food insecure countries with independent monitoring and analysis capability of

■ The United Nations Conference on Trade and Development (UNCTAD) is a permanent intergovernmental body established by the United Nations General Assembly in 1964. The headquarters are located in Geneva, Switzerland. It is part of the UN Secretariat and also part of the United Nations Development Group.

■ The United Nations Commission on Science and Technology for Development (UNCSTD) is a subsidiary body of the Economic and Social Council (ECOSOC). It holds an annual intergovernmental forum for discussion on timely and pertinent issues affecting science, technology and development. UNCTAD is responsible for the substantive servicing of the Commission.

# Activities of ANSO Association and Collaborative Research

01

## ANSO-DRR Webinar

Alliance of International Science Organizations on Disaster Risk Reduction  
18 May, 2020

**ANSO-DRR** Alliance of International Science Organizations on Disaster Risk Reduction

**Promotional Activities**  
Last July 2019, ANSO-DRR conducted its Summer School of Silk Road Disaster Risk Reduction. The program focused on SDRR, at training for international students coming to Belt and Road regions. The Alliance was represented at the Coast Meeting on Belt and Road Disaster Reduction during the 2019 International Workshop on Multinational Collaboration on Business (MNCB).

**ANSO-DRR Webinar**  
Due to the influence of COVID-19, the Alliance of International Science Organizations on Disaster Risk Reduction (ANSO-DRR) hosted a Webinar for its 2<sup>nd</sup> Discussion Meeting last May 18, 2020. Over 50 scholars from 15 countries participated in the said event. Prof. Allison, the Assistant Executive Director of ANSO Secretariat, discussed how to promote international cooperation in Science and Innovation for global benefits.

**ANSO-DRR Co-Chairs**  
Prof. Feng Cui  
Prof. Gretchen Kalonji

**Three-year work plan**  
2020  
- Publication of the Atlas of Natural Hazard Risk for the Belt and Road  
- Publication of the Glance at the Silk Road Disaster Risk  
2021  
- Report on the risk assessment of natural hazards along the China-Pakistan Economic Corridor  
- Mountain hazards chain process numerical simulation and prediction platform  
2022  
- ANSO-DRR establishment of an efficient collaboration mechanism for DRR

**What is ANSO-DRR**  
ANSO-DRR is an international, non-profit, and non-governmental scientific alliance jointly created by the Institute of Mountain Hazards and Environment of the Chinese Academy of Sciences, the Institute for Disaster Management and Reconstruction of Sichuan University, with other international scientific organizations, academies and universities which share strong interests in the field of disaster risk reduction, and strong geographic focus on the Belt and Road regions. It is a collaboration platform for sustainable development, to better promote the implementation of the Sendai Framework for Disaster Reduction 2015-2030 and the 2030 Agenda for Sustainable Development in countries in the Belt and Road regions.



02

## The International Forum on “Green Upgrading of Chemical Products for Anti-epidemic and Sterilization: Opportunities and Challenges”

International Green Technology Association  
28-29 May, 2020



03

## 2020 “Culture Evolution and Environment Changes Along the Ancient Silk Road” Seminar

ANSO Association for Trans- Eurasia Exchange and Silk-road Civilization Development  
30 May, 2020



04

## ANSO-CMRC Project Meeting

Countermeasures Along the China-Mongolia-Russia Corridor in the Belt and Road Region  
16 June 2020



With the support and coordination of ANSO, a series of scientific associations have been established as the operating arms and platforms of ANSO, aiming to help advance and achieve the vision, objectives and impact of ANSO in global sustainable development and the joint building of a community with a shared future for mankind. This section introduces the association on disaster risk reduction under the framework of ANSO.

# ANSO Associations



## ALLIANCE OF INTERNATIONAL SCIENCE ORGANIZATIONS ON DISASTER RISK REDUCTION

### ■ Who We Are:

As an international platform for joint research projects, the Alliance of International Science Organizations on Disaster Risk Reduction (ANSO-DRR) was initiated by the Chinese Academy of Sciences (CAS) Institute of Mountain Hazards and Environment and Sichuan University, and consists of more than 20 institutes, universities and organizations such as UNESCO, ICIMOD (The International Centre for Integrated Mountain Development), Pakistan Academy of Sciences, Academy of Sciences of the Republic of Tajikistan, Research Institute for Geo-hydrological Protection, National Research Council of Italy, etc. CAS Academician Peng Cui and Prof. Gretchen Kalonji, Dean of the Institute of Disaster Management and Reconstruction at Sichuan University, are co-chairs.

### ■ Its Mission:

ANSO-DRR aims to construct an international platform to enable collaborative research to promote more effective exchange of knowledge and technology to enhance capacity building particularly through collaborations on innovations in higher education, and to promote understanding of fundamental science and engineering for disaster risk reduction. ANSO-DRR emphasizes interdisciplinary approaches to addressing the complex challenges related to

natural hazards and climate change. It is active in disaster relief, investigation and database construction, providing policy advice, environmental protection and sustainable development along the Silk Roads, both land-based and maritime. ANSO-DRR will provide support to enhance the resilience of national and regional major construction projects and hazard mitigation efforts, and will place a major focus on enhancing the disaster resilience of less developed countries.

### ■ Activities Organized:

To date, the association has engaged in the construction of the China-Pakistan Joint Research Center on Earth Sciences and the Sino-Italian Laboratory on Geological and Hydrological Hazards. It has also convened regular international conferences, and worked on publishing the Atlas of Natural Hazard Risk for the “Belt and Road” and the “Glance at the Silk Road Disaster Risk”. ANSO-DRR is set to organize a series of international symposia on Silk-road Disaster Risk Reduction and Sustainable Development, among other initiatives. ANSO-DRR looks forward to collaborating closely with other major international and interdisciplinary initiatives on disaster risk reduction.

Focused on S&T cooperation and sustainable development within the ANSO networks, ANSO has funded 9 ANSO Collaborative Research projects in 4 major areas of its focus including Environmental Challenges, Agriculture & Food Security, Health & Wellbeing and Green Technology. This section briefs you one of these projects.

# ANSO Collaborative Research



## THE MULTI-MODEL-INTEGRATED SUBSEASONAL-TO-SEASONAL PREDICTION AND APPLICATION IN DISASTER RISK REDUCTION

### ■ Who We Are:

As a project for weather and climate forecasting, The Multi-model-Integrated Subseasonal-to-Seasonal Prediction and Application in Disaster Risk Reduction (MISSPAD) is organized by the Institute of Atmospheric Physics of the Chinese Academy of Sciences (IAP, CAS), and jointly participated in by the Beijing Climate Center (BCC), the Beijing Normal University (BNU) and the Aerospace Information Research Institute. The research is based on the prediction system of FGOALS-f2 from IAP and The China Multi-Model Ensemble Prediction System (CMME) from BCC.

### ■ Its Mission:

MISSPAD aims to strengthen the capacity building of meteorological forecasting and disaster prevention services in the Belt and Road (B&R) countries, responding to natural disasters and achieving the UN SDGs. It is dedicated to exploring new pathways for sustainable development by

sharing and applying the sub-seasonal to seasonal (S2S) weather and climate forecasts in the (B&R) regions, improving the ability of meteorological disaster prevention in related countries, safeguarding food security, the ecological environment, and socio-economic development.

### ■ Activities Organized:

To facilitate the data acquisition and application of S2S prediction, MISSPAD is responsible for organizing a series of activities in the B&R countries. The activities include workshops for training how to retrieve S2S real-time prediction data and introducing approaches for S2S prediction, building up efficient research cooperation to enhance the ability of regional climate services and construct an early warning system for meteorological disasters, training the B&R youth talent, and organizing regular conferences to build a multi-dimensional consultation platform.

*Sources: Qing Bao and Ke Wei | IAP, CAS  
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