



## The Second ANSO General Assembly Held Online

The 2nd General Assembly (GA) of ANSO was held online on January 20<sup>th</sup>, 2022 with the participation of the heads and representatives of 32 ANSO member organizations out of a total of 37 founding members. As this meeting was held online under the pandemic, it was also called the ANSO Special GA. The meeting successfully completed all the planned agenda, including

- 1) the approval of the amendments to the ANSO Statutes,
- 2) the approval of the ANSO new membership applications since the last GA in 2018,
- 3) the election of a new ANSO Governing Board (GB),

- 4) the presentation of the ANSO progress report for the past three years,
- and 5) the discussion on the ANSO future strategies and priorities.

Prof. BAI Chunli, President of ANSO, delivered both a welcome speech and a conclusion remark. He thanked all the members for their continuous contribution to the growth and development of the ANSO in the past three years. Prof. M. Qasim Jan, Vice President of ANSO, chaired the meeting. Prof. CHEN Xilin, Director General of the Bureau of International Cooperation of Chinese Academy of Sciences (CAS) also attended the meeting.



### • ANSO Progress Report

Prof. CAO Jinghua, Executive Director of the ANSO Secretariat, gave the ANSO progress report in the past three years, emphasizing some of the highlight accomplishments, especially its contributions to the international joint fight against the pandemic. He attributed the ANSO success, impacts and development to the able leadership of the ANSO GB, the extensive consultation between the ANSO Secretariat and all the members and the active participation of a large number of ANSO members in various activities in addition to the strong support from CAS.

### • Amendments to the ANSO Statutes & Approval of New Member Applications

Prof. Narong Sirilertworakul, President of the National Science and Technology Development Agency (NSTDA) of Thailand, presented the proposal on the amendments to the ANSO Statutes, elaborating the reasons and needs behind such amendments. He also introduced the 30 new applications to join ANSO submitted since the first GA and the reasons for the delay in the approval.

Prof. CAO Jinghua announced the results for the above two issues based on the email feedbacks (or email voting) from all the ANSO founding members. All the amendments to the ANSO Statutes and all the 30 new member applications to join in ANSO were approved by the GA.

## • Election of a New Governing Board

Prof. CAO Jinghua elaborated the special approach to achieve the election and announced the results of the new GB election through email voting.

According to the decisions made by the 2nd GA, Prof. BAI Chunli was elected as the President of ANSO for the second term, representing the CAS. Prof. Alexander Sergeev at the Russian Academy of Sciences (RAS) was elected for the second term as Vice President of ANSO, Prof. Narong Sirilertworakul at NSTDA was elected as the other VP of ANSO. The 2nd GA also approved the Brazilian Academy of Sciences (ABC) and the Scientific and Technological Research Council of Turkey (TUBITAK), represented by their Presidents respectively, to be elected members of the new GB in replacement of the positions held by the National Academy of Sciences of the Republic of Kazakhstan

(NAS RK) and the Tribhuvan University (TU) of Nepal. UNESCO, the Pakistan Academy of Sciences (PAS), the Hungarian Academy of Sciences (MTA) and Jomo Kenyatta University of Agriculture and Technology (JKUAT) of Kenya were approved to remain in the GB for the second term.

The GA expressed deep appreciation to Prof. M. Qasim Jan of PAS for leaving the position as VP of ANSO and for his dedicated service and thanked the heads of NAS RK and TU for giving up their positions in the GB for new faces and for their strong support.

## • Discussion on Future Priorities and Strategies



Prof. BAI shared his strategic thinking on the future development of ANSO, which was followed by active discussion, comments and suggestions from the participants. He particularly stressed the importance of ANSO to the promotion of

international cooperation in science and innovation in today's dynamic and ever-changing situation as a young international science organization.

Prof. Narong Sirilertworakul at NSTDA, Prof. Ferenc Hudecz at MTA, Prof. Shahbaz Khan at UNESCO Beijing Cluster Office, Prof. Victoria Wambui Ngumi at JKUAT, Prof. Tasawar Hayat at PAS, Prof. Luiz Davidovich at ABC, Prof. Hasan Mandal at TUBITAK, Prof. Murat Zhurinov at NAS RK, Prof. Dharma Kanta Baskota at TU, Prof. Romain Murenzi at TWAS, Prof. Rocky S. Tuan at CUHK, and Prof. Pema Gyamtsho at ICIMOD shared their comments and suggestions. All acknowledged ANSO's remarkable achievements in the past and expressed expectation on more future collaborations. Many reviewed past cooperation with ANSO and CAS, emphasizing ANSO's active role in promoting the UN SDGs. Other valuable suggestions include: ANSO should continue to pay more attention to the underprivileged and underrepresented groups and areas, for example, providing training and education opportunities; ANSO should incorporate more partners in different fields and different countries, including those in the industry; ANSO could place bio-circular-green economy as one of ANSO's priorities; ANSO should make sure the effectiveness, strength and visibility of the programs and activities; ANSO should continue to establish regional centers and focal points both in China and around the world, etc.



In the end, Prof. BAI thanked all members again for their strong support to the GA meeting and to achieving ANSO's vision, to the effective decisions by the GB, and the logistics work by the ANSO Secretariat. He believed that with the joint work of the ANSO community, the pandemic will be soon under control, face-to-face communication will resume, and ANSO will become stronger and more influential.





# ANSO Meeting on Promoting the Green Biotechnology Development

With the coordination of ANSO, an online meeting was held on 17 March focusing on how to enhance cooperation in green biotechnology between China and Thailand. Over 20 scientists and experts from the Tianjin Institute of Industrial Biotechnology (TIB) of Chinese Academy of Sciences (CAS), CAS-TWAS Center of Excellence for Biotechnology (CoEBio), the CAS Innovation Cooperation Center Bangkok (CASICCB) and the National Science and Technology Development Agency (NSTDA), Thailand participated in the meeting. Prof. CAO Jinghua, Executive Director of the ANSO Secretariat and Prof. Prasit Palittapongarnpim, Executive Vice President of NSTDA opened up the meeting by introducing the participants.

Prof. CAO pointed out that Prof. Narong Sirilertworakul, the newly elected ANSO Vice President, suggested at the Second General Assembly that ANSO should focus on taking Bio-Circular-Green Economy (BCG) as a priority in our future work. This is an area that Thailand and the Southeast Asian countries pay a lot of attention to, and also an area that lies in the strategic priorities of ANSO. He wished the meeting to reach its goal of identifying the next steps leading to the cooperation.

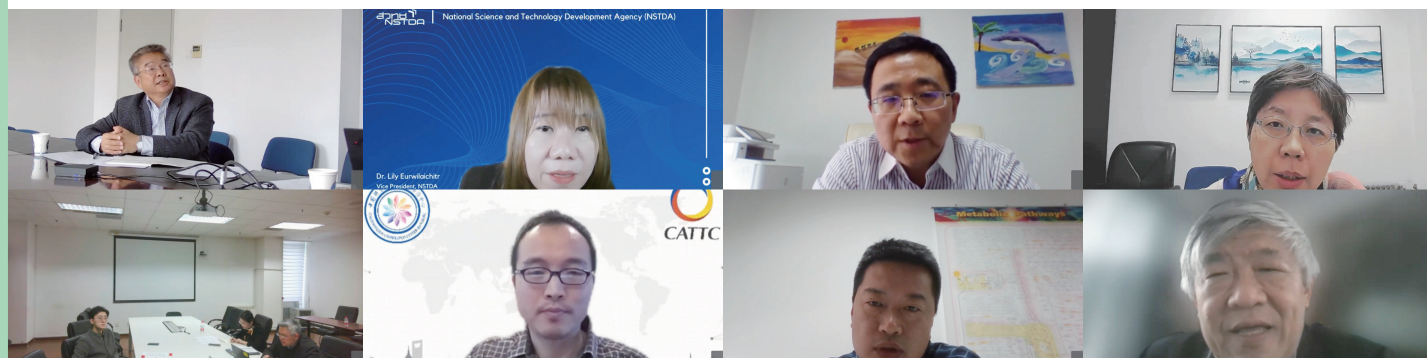


Prof. Palittapongarnpim mentioned that BCG has been listed as a national agenda by the Thailand government early this year. As an ANSO member, NSTDA would commit efforts to strengthen collaboration with TIB and to jointly promote the bioeconomy development. Dr. Lily Eurwilaichitr, the Vice President of NSTDA, briefly introduced NSTDA and the BCG model of Thailand and the related BCG activities.

Prof. SUN Jibin, Deputy Director-General of the TIB, gave a brief introduction of TIB and the National Center of Technology Innovation for Synthetic Biology and proposed a few concrete cooperation proposals.

Prof. LI Yin at CoEBio introduced the analytical research of biotech development in the developing countries conducted by his team over the years. He pointed out that a joint effort in this regard would assist the related international cooperation efforts, including designing and developing cooperation.

The meeting concluded to hold smaller group meetings in the days ahead to work out the details in actions.



## Symposium on Sustainable Poverty Reduction and Development Held in Beijing

On 25 February, the Symposium on Sustainable Poverty Reduction and Development took place in the Institute of Geographic Sciences and Natural Resources Research (IGSNRR), the Chinese Academy of Sciences (CAS). The conference was jointly sponsored by the IGSNRR, the Research Center for Targeted Poverty Alleviation Evaluation, CAS, and ANSO. More than 150 people, including representatives of local governments and universities, attended the symposium.

WANG Shenglin, the Secretary of the IGSNRR, hosted the opening ceremony. On behalf of the IGSNRR, he expressed heartfelt thanks and a warm welcome to the leaders and the team representatives attending the meeting. Prof. Ailikun, Assistant Executive Director of the ANSO Secretariat, stated that China's great success in poverty eradication has won the recognition and praise of the world. In addition, Prof. LIU Yansui, the President of The Alliance for Poverty Reduction and Development (ANSO-APRD), expressed that APRD promotes the sharing of poverty alleviation and development experience and models between China and other countries, and contributes to global poverty reduction.



ANSO-APRD took the lead in writing the report “The Supporting Role and Experience of Science and Technology for Poverty Alleviation and Development”, which was officially released at the symposium. Prof. LI Yuheng hosted the release session. Prof. Ailikun introduced the positive role of ANSO-APRD in improving people’s livelihood, promoting development, helping to achieve the UN 2030 Agenda for Sustainable Development and promoting the construction of a community with a shared future for mankind. She also discussed the practice and experience of CAS in poverty alleviation from four aspects: the background and achievements of poverty alleviation in China, the strategy of poverty alleviation in China, typical experience and practice of CAS in poverty alleviation through science and technology, and

suggestions on poverty alleviation in developing countries along the Belt and Road region.

Experts and scholars also shared relevant reports on the evolution of global poverty and the poverty reduction strategy of the Belt and Road Initiative in the report session, pointing out that the world’s poverty center has shifted from Asia to sub-Saharan Africa. China’s poverty reduction practice has accelerated the process of global poverty reduction and provided a reference for poverty reduction in developing countries. In addition to that, the poverty problems and sustainable poverty reduction strategies faced by the regions of the Belt and Road Initiative were discussed in the session as well.



## ANSO-MISSPAD Participates in 2022 WWRP/WCRP S2S Project Teleconference



The Sub-seasonal to Seasonal (S2S) forecast technical committee teleconference Session 1 (Session 1 for EU, Asia, and Australia and Session 2 for EU and North America) was hosted by the European Centre for Medium-Range Weather Forecasts (ECMWF) and chaired by Dr. Manuel Fuentes, senior member of the ECMWF Meteorological Data Archive Retrieval System (MARS) team on 25 Jan. Two members of the ANSO-MISSPAD team, Prof. BAO Qing and Special Research Assistant LI Jinxiao from the Institute of Atmospheric Physics (IAP), the Chinese Academy of Sciences, attended the conference to share experiences on the numerical model updates, data sharing approaches, work proposals and future plans. Participating agencies also included the China Meteorological Administration (CMA), the Bureau of Meteorology (BoM) of Australian Government, the India Meteorological Department (IMD), the International Research Institute for Climate and Society (IRI) of Columbia Climate School, the Japan Meteorological Agency (JMA), the Korea Meteorological Administration (KMA), and the United Kingdom Meteorological Office (UKMO).

The S2S Prediction Project was jointly launched by the World Weather Research Programme (WWRP) and the World Climate Research Programme (WCRP) in Nov 2013, intending to improve the forecast skill for high-impact weather events on the S2S timescale. The project is currently in its second phase (Nov 2018 - Dec 2023). The FGOALS-f2 model, established by the ANSO-MISSPAD team, joined this project in Oct 2020 and has provided forecast products for users worldwide ever since, including temperature, pressure, precipitation, sea ice, typhoons, etc. These data are now available on the ECMWF and CMA websites. The IAP of CAS is officially recognized as one of the meteorological source data centers of WMO, and releases prediction data on the S2S platform (the prediction system is IAP-CAS, WMO code is 291, abbreviated as ANSO).

The conference summarized the latest progress of the major climate models over the EU, Asia, and Australia regions in S2S prediction, mainly discussing the use of S2S data, the update of each model in 2021, the newly-added meteorological variables and model data, as well as the plan for 2022-2023. ANSO-MISSPAD, as a new member, made a brief introduction to the participants, and reported the improvement plans in the initialization update and downscaling of the model.

S2S prediction is an important part of seamless prediction. Improving the accuracy of S2S prediction is of great value to reduce the loss of meteorological disasters and deal with international emergencies. The ANSO-MISSPAD team is currently providing real-time forecast, and also historical reforecast data for a total of 20 years (1999-2018) from Feb 4, 2022. Looking ahead, ANSO-MISSPAD will continue to improve its prediction skills and provide public products for the countries and regions along the Belt and Road, and for global users, and contribute more scientific solutions to global public governance and sustainable development.



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