

ANSO General Conference 2025:

Science & Innovation for a Sustainable Future

[Background and Purpose]

In an interconnected world where no nation or region stands in isolation, global challenges—from the escalating impacts of climate change to persistent public health threats—demand collective action. These are further compounded by the rapid evolution of emerging technologies, such as artificial intelligence, which bring both unprecedented opportunities and novel complexities, reshaping humanity's development trajectory in profound ways.

Against this backdrop, international science and technology cooperation has never been more imperative. It serves as a bridge across knowledge divides, a catalyst for pooling global resources, and a framework for harnessing collective wisdom to navigate crises.

ANSO is a non-profit, non-governmental international scientific organization established in 2018. Since its establishment, ANSO has been committed to engaging global scientific expertise to develop an open and inclusive cooperation platform for the benefit of all, to foster in-depth scientific communication, collaboration and capacity building for the sustainable development of the Belt & Road regions and beyond, and to promote the development of a shared future of humanity. The 4th General Assembly (GA) of ANSO is scheduled to take place on October 30-31 in Beijing.

A major science event, *the ANSO General Conference on Science and Innovation*, will be held prior to the 4th GA, aiming to provide a platform

for communication among ANSO members, partners and the global science community, fostering exchange of ideas and sharing of best practices on international collaboration for a shared and sustainable future of humanity.

[Theme and Framework]

The theme of the General Conference is *Science and Innovation for a Sustainable Future*. The event will open with an Opening Ceremony and Plenary Session, featuring high-level keynote speeches and panel discussions. This will be followed by three Thematic Sessions:

Session 1: Science & Technology for Sustainable Development

Session 2: AI Development and Governance

Session 3: Capacity Building and Higher Education Cooperation in STEM

[Dates, Venue & Address]

Dates: Oct 27-30, 2025

Venue: *Juying Ballroom*（聚英厅）, Beijing Friendship Hotel（北京友谊宾馆）

Address: No. 1, *Zhongguancun South Avenue*, *Haidian District*, Beijing
（北京市海淀区中关村南大街 1 号）

Program Outline

Date	Time	Activities
Day 0 27 th Oct.	8:00-22:00	Registration
Day 1 28 th Oct. 2025	09:00-10:40	Opening Ceremony & Plenary Session-Keynote Speeches
	10:40-11:00	Group Photo & Tea Break
	11:00-11:50	Plenary Session-Panel Discussion
	11:50-11:55	Concluding and Brief Introduction to the Thematic Sessions
	12:00-13:30	Lunch Buffet & Break
	14:00-17:30	Thematic Session 1: Science & Technology for Sustainable Development
	18:00-20:00	Dinner Buffet
Day 2 29 th Oct. 2025	08:30-12:00	Thematic Session 2: AI Development and Governance
	12:00-13:30	Lunch Buffet & Break
	14:20-17:15	Thematic Session 3: Capacity Building and Higher Education Cooperation in STEM
	17:45-18:15	Closing Ceremony
	18:30-20:00	Dinner Reception (invited guests only)
30 th Oct. 2025	Morning	Visit to Science Parks (optional, invited guests only)

Program in Detail

(Updated 20251023)

Day 1: 28th Oct. 2025 (Tuesday)	
Time	Activities
Opening Ceremony & Plenary Session Moderator: LIU Weidong (刘卫东), Executive Director, ANSO	
09:00-09:35	Opening Remarks (5 minutes each)
	➤ Sukit Limpijumnong, President of ANSO, President of National Science and Technology Development Agency, Thailand (NSTDA) ➤ HE Hongping (何宏平), Vice President of Chinese Academy of Sciences (CAS), Vice President of ANSO ➤ Helena B. Nader, Vice President, ANSO, President, Brazilian Academy of Sciences (ABC) (Video Address) ➤ BAI Chunli (白春礼), Founding President of ANSO ➤ Shahbaz Khan, Director and Representative to UNESCO Regional Office for East Asia, UNESCO (Video Address) ➤ Official Representative of Haidian District, Beijing Municipal Government
09:35-10:40	Plenary Session: Keynote Speeches (20 minutes each)
	Keynote Speech 1: ➤ Nils Christian Stenseth, President of International Society of Zoological Sciences (ISZS), Foreign Member of CAS <i>Topic: Joining Forces in the Study of Climate Change and Biodiversity in a Belt-and-Road Perspective</i> Keynote Speech 2: ➤ GUO Huadong (郭华东), Founder and Director General of the International Research Center of Big Data for Sustainable Development Goals (CBAS), Member of CAS <i>Topic: Harnessing the Power of Digital Technologies for</i>

	<i>Sustainable Development Goals</i> Keynote Speech 3: ➤ Gretchen Lynn Kalonji, Co-Chair of ANSO-DRR, Special Advisor of CBAS, Assistant Director General for Natural Sciences at UNESCO (2010-2014) <i>Topic: International Collaborations on Science for Sustainable Development: Lessons from the Past – Pathways for the Future?</i>
10:40-11:00	Group Photo & Tea Break
	Plenary Session: Panel Discussion (50 minutes) <i>Open Science & Innovation for Inclusive Development</i>
11:00-11:50	● Moderator: Gretchen Lynn Kalonji, Co-Chair of ANSO-DRR, Special Advisor of CBAS, Former Assistant Director General for Natural Sciences at UNESCO Panelists: ✓ Mamdouh Moawad Ali Hassan, President, National Research Centre (NRC), Egypt ✓ Moctar Toure, President of the National Academy of Science and Techniques of Senegal (ANSTS) ✓ Avid Budeebazar, Vice President, Mongolian Academy of Sciences (MAS) ✓ Nebojša Lalić, Secretary General, Serbian Academy of Sciences and Arts (SASA) ✓ Mohammad Nafees Zakaria, Executive Director, Commission on Science and Technology for Sustainable Development in the South (COMSATS) ✓ YAO Tandong (姚檀栋), Honorary Director of ITPCAS, Member of CAS
11:50-11:55	Concluding and Brief Introduction to the Thematic Sessions

12:00

-13:30

Lunch (Buffet)

Thematic Session 1 Science & Technology for Sustainable Development Co-Chairs: ·YAO Tandong (姚檀栋), Member of CAS, Institute of Tibetan Plateau Research, Chinese Academy of Sciences ·Deepak Aryal, Vice Chancellor, Tribhuvan University	
14:00-14:05	Opening Remarks ➤ YAO Tandong
14:05-15:10	Thematic Speeches ➤ Deepak Aryal <i>Topic: Strengthening Cryo-Climatic Monitoring and Research Capacity in the Southern Slope of the Himalayas</i> ➤ Anil Mishra, Chief of Section, Hydrological Systems, Climate Change and Adaptation Intergovernmental Hydrological Programme (IHP+), Division of Water Sciences, UNESCO <i>Topic: Milestones and Overarching Challenges of the International Decade of Action for Cryospheric Sciences (2025-2034)</i> ➤ ZHU Tong (朱彤), Member of CAS, Professor, Peking University <i>Topic: Atmospheric Environment and Health Risks on the Tibetan Plateau</i>
15:10-15:30	Group Photo & Tea Break
15:30-16:35	Thematic Speeches ➤ Rakiya Abdullahi Babamaaji, Deputy Director/Head, Natural Resources Management Division, Department of Strategic Space Applications, National Space Research and

	Development Agency (NASRDA), Nigeria <i>Topic: Customization of CropWatch ICP for Food Security in Nigeria and West Africa</i> ➤ SUN Hang (孙航), Professor, Member of CAS, Kunming Institute of Botany CAS <i>Topic: China's Plant Diversity: Conservation and Future</i> ➤ Nebojša Lalić, Professor, Secretary General, Serbian Academy of Sciences and Arts <i>Topic: World Diabetes Pandemics: How to Approach from the National and International Perspectives</i>
16:35-17:25	Panel Discussion (50 minutes): Topic: <i>Enhancing the Role of Science & Technology in Promoting Sustainable Development</i> ● Moderator: Pema Gyamtsho, Director General, ICIMOD Panelists: ✓ YAO Tandong ✓ Anil Mishra ✓ SUN Hang ✓ Graham Simpkins, Former Chief Editor, <i>Nature Reviews Earth & Environment</i> ✓ Rakiya Abdullahi Babamaaji
17:25-17:30	Wrap up
18:00-	Dinner (Buffet)

Day 2: 29 th Oct. 2025 (Wednesday)	
Time	Activities
Thematic Session 2 AI Development and Governance Co-Chairs: ZENG Yi (曾毅), Professor, Chinese Academy of Sciences (CAS), Dean, Beijing Institute of AI Safety and Governance (Beijing-AISI) Seán Ó hÉigearthaigh, Programme Director, Centre for the Future of Intelligence, University of Cambridge	
08:30 -08:40	Introduction & Welcome Remarks ➤ ZENG Yi ➤ Seán Ó hÉigearthaigh
08:40 -08:55	<i>Launching International Research Network on AI Development and Governance</i> Announced by Prof. ZENG Yi/ Seán Ó hÉigearthaigh Remarks by Prof. LIU Weidong (刘卫东), Executive Director of ANSO
08:55 -09:10	<i>Joint Statement:</i> <i>The Role of Academia in AI Development and Governance</i> ➤ Seán Ó hÉigearthaigh ➤ ZENG Yi
9:10 -10:10	Keynotes (10 minutes each) ➤ Sukit Limpijumnong, Professor, President, National Science and Technology Development Agency (NSTDA); President, ANSO <i>Topic: AI for Infrastructure Management</i>

- Anna Abramova, Professor, Director of AI Center, Moscow State Institute of International Relations, Russia; Member of the UN High-Level Advisory Body on AI

Topic: AI governance challenges for trade development

- ZENG Yi

Topic: A Long View on Science and Governance of AI for Human-AI Symbiosis

- Florin Gheorghe FILIP, President of Science and Technology Information Section of Romanian Academy (RA), Academician of RA

Topic: Towards a Human Centered Artificial Intelligence Era. [Evolutions, Evaluations, Governance, Prospects]

- SHEN Weixing (申卫星), Professor, School of Law, Tsinghua University

Topic: TBC

- Michael Witbrock, Professor, The University of Auckland, New Zealand

Topic: Dynamics of High Mountain Hazards and Risk Reduction

10:10 -10:20	Tea Break
10:20 -12:00	Panel Discussion (100 minutes in total) ● Moderator: ZENG Yi/ Seán Ó hÉigearthaigh(TBC)
10:20 -11:00	Science and Development (40 minutes) Panelists: ✓ Edson Prestes, Professor, Institute of Informatics of Federal University of Rio Grande do Sul, Brazil; Member of the UNESCO Ad Hoc Expert Group for the Recommendation on the Ethics of AI ✓ LIU Chao (刘超), Professor, State Key Laboratory of Cognitive Neuroscience and Learning, Beijing Normal University, Beijing, China ✓ HUANG Minlie (黄民烈), Professor, Department of Computer Science, Institute for Artificial Intelligence, Tsinghua University
11:00 -12:00	Safety and Governance (60 minutes) Panelists: ✓ Max Stauffer, Co-CEO and co-founder of the Simon Institute for Longterm Governance (SI) ✓ Sumaya Nur Adan, Research Fellow at the Institute for AI Policy and Strategy (IAPS) ✓ LU Chaochao (陆超超), Shanghai AI Lab, AI Science

	✓ ZHANG Linghan (张凌寒), Professor, China University of Political Science and Law
12:00 -13:30	Lunch Buffet

Thematic Session 3

Capacity Building in STEM and Higher Education Cooperation

Co-Chairs:

LIN Xiao (林晓), Vice President, University of Chinese Academy of Sciences (UCAS)

ZHOU Congzhao (周丛照), Vice President, University of Science and Technology of China (USTC)

Jose Correa, Vice President, University of Chile

Marcelo Knobel, Executive Director, TWAS

14:00 -14:10	Opening Remarks ➤ Jose Correa, together with LIN Xiao, ZHOU Congzhao, Marcelo Knobel
14:20 -15:05	Thematic Speeches (15 minutes each) ● Moderator: Congzhao ZHOU ➤ LIN Xiao <i>Topic: Promoting Integration of Scientific Research and Education through International Cooperation</i> ➤ Helena B. Nader, President, Brazilian Academy of Sciences <i>Topic: Capacity Building in STEM and Higher Education Cooperation — Towards STEAM</i> ➤ Margulan Ibraimov, Vice-Rector for Science and Innovation, Al-Farabi Kazakh National University <i>Topic: TBC</i>
15:05 -15:25	Group Photo & Tea Break

15:25-16:25	Thematic Speeches (15 minutes each) ● Moderator: LIN Xiao ➤ ZHOU Congzhao <i>Topic: Shaping the Future through International Cooperation in STEM Capacity Building and Global Talent Cultivation</i> ➤ Jose Correa <i>Topic: Capacities and Challenges of STEM Education in the Global South</i> ➤ Huixin Liu, Vice President, Professor, Kyushu University <i>Topic: Capacity Building in STEM and Higher Education; Kyushu University's Efforts and Challenges</i> ➤ Veselin Vukotić, Founder and Rector of the University of Donja Gorica <i>Topic: What Is the Idea of the University in the Age of AI?</i>
16:25-17:10	Panel Discussion (45 minutes) Topic: <i>Youth as a Bridge: Toward our Shared Future</i> ● Moderator: Marcelo Knobel Panelists: ✓ Khurram Shehzad, Postdoctoral researcher, Hefei Institutes of Physical Science, Chinese Academy of Sciences ✓ REN Xin (任鑫), Postdoctoral Researcher, USTC ✓ Beryl Akinyi Ochieng, PhD student, Nanjing Institute of Geography and Limnology, Chinese Academy of Sciences ✓ WANG Jing (王静), Postdoctoral researcher, Institute of Philosophy, Chinese Academy of Sciences ✓ Ali Alsakkaf, PhD student, College of Earth and Planetary

	Sciences, UCAS
17:10- 17:15	Wrap up: Marcelo Knobel

Closing Ceremony

Moderator: LIU Weidong (刘卫东), Executive Director, ANSO

17:45-18:15	Summary of Thematic Sessions 1/2/3 (5 minutes each) ➤ Deepak Aryal, Professor, Vice Chancellor, Tribhuvan University ➤ ZENG Yi (曾毅), Professor, Chinese Academy of Sciences, Founding Dean of Beijing Institute of AI Safety and Governance, Member of UN High-Level Advisory Body on AI (TBC) ➤ ZHOU Congzhao (周丛照), Vice President, University of Science and Technology of China (USTC) Concluding Remarks ➤ Sukit Limpijumnong President of ANSO President of National Science and Technology Development Agency, Thailand (NSTDA) ➤ HE Hongping (何宏平) Vice President of Chinese Academy of Sciences (CAS) Vice President of ANSO
18:30-20:00	Dinner Reception (For speakers, ANSO members and invited guests only)