



CAST Newsletter · NO.68



中国科学技术协会
China Association for Science and Technology

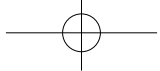
No.68

July 2026

**CAST-UNESCO Partnership
in Action: Achievements and
Milestones**
(Special Issue)

CAST Newsletter





Headlines

01 Advancing the Science Decade



05 Strengthening engineering capacity in Africa



13 Supporting global governance through science



17 Promoting scientific literacy worldwide

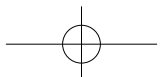
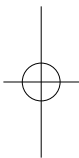
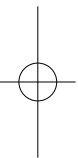
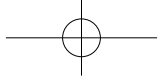


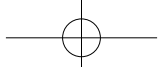
20 Informing policy for sustainable future



25 Empowering women in science and technology







01 Advancing the Science Decade



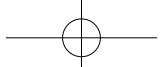
Photo credit: Official website of the International Decade of Sciences for Sustainable Development (2024-2033)

Overview

Guided by the principles of openness, trust, and cooperation, CAST has actively responded to UN initiatives and promoted the building of a community with a shared future for humanity through multilateral cooperation. In August 2023, the UN General Assembly adopted a resolution proclaiming the International Decade of Sciences for Sustainable Development (2024-2033) (IDSSD). The initiative aims to tackle global development challenges and accelerate progress toward the UN 2030 Sustainable Development Goals (SDGs) by fostering deeper collaboration among the natural sciences, applied sciences, social sciences, and the humanities.

In 2024, CAST and UNESCO formally signed a letter of intent for cooperation, reaching agreements on enhancing global scientific literacy, strengthening international engineering capacity-building, and advancing open scientific collaboration. The partnership was expected to provide fresh scientific and technological momentum for the implementation of the 2030 Agenda for Sustainable Development.

(Sources: Official websites of CAST and UNESCO)



September 2024: CAST and UNESCO signed a letter of intent for cooperation

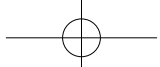


He Junke and Lydia Arthur Brito display the signed letter of intent for cooperation

In September 2024, CAST Executive President He Junke met with Lydia Arthur Brito, UNESCO Assistant Director-General for Natural Sciences, in Paris, France. During the meeting, the two sides signed a letter of intent for cooperation and reached agreements on enhancing global scientific literacy, strengthening international engineering capacity building, and advancing open science collaboration.

Following the signing ceremony, He Junke and Lydia Arthur Brito jointly attended and addressed a roundtable discussion on empowering the global community through scientific literacy. In his remarks, He noted that scientific and technological advances are presenting new challenges for human society and that broad improvements in public scientific literacy are essential to building consensus, bridging differences, and strengthening collective governance. He emphasized CAST's commitment to turning the shared aspiration of improving global scientific literacy into collective action. CAST will continue to deepen exchange and share experiences with partner organizations around the world, contributing to the development of a global community empowered by scientific literacy.

(Source: Official website of CAST)

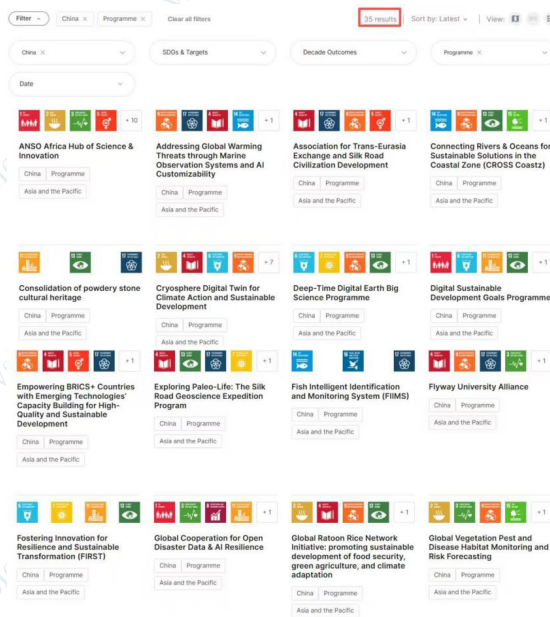


China makes active contributions to the Science Decade

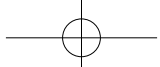
The International Decade of Sciences for Sustainable Development promotes interdisciplinary collaboration across the natural sciences, applied sciences, social sciences, and humanities to drive positive social, economic, and environmental transformation and foster a scientific culture that engages and benefits all people. Its core mission is to mobilize stakeholders across society and ensure that science serves the common good of humanity. The Science Decade provides three avenues for participation: Programmes, Projects, and Activities. Among these, Programmes are long-term strategic initiatives designed to contribute to one or more of the Decade's expected outcomes and advance at least two of its objectives. As such, they serve as a key mechanism for promoting global scientific cooperation and systemic change.

According to the latest update on the Science Decade website, 61 programmes worldwide have received formal endorsement from the Science Decade Secretariat. Notably, 35 of these endorsed programmes are led or co-led by Chinese institutions or involve significant Chinese participation.

(Source: Official website of the Chinese Academy of Sciences)



Of the 61 officially endorsed Science Decade initiatives, 35 involve Chinese participation or leadership



Upcoming event

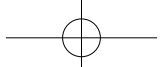
October 2026: ISC Mid-term Members' Meeting and Beijing Science Dialogue to convene in Beijing



From October 19 to 23, the 2026 International Science Council (ISC) Mid-term Members' Meeting and Beijing Science Dialogue will take place in Beijing under the theme “Science in a Complex World—Science for a Better Future.” Hosted by the ISC and jointly organized by CAST, the Chinese Academy of Sciences, the Chinese Academy of Social Sciences, and the Beijing Municipal Government, the event will bring together representatives from more than 250 scientific organizations worldwide, along with partners from across sectors, to discuss the future agenda for international scientific cooperation.

For more information and the latest programme updates, please visit the official ISC website: <https://council.science/mm-m-beijing-membership/>.

(Source: Official website of ISC)



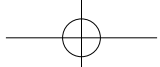
02 *Strengthening engineering capacity in Africa*



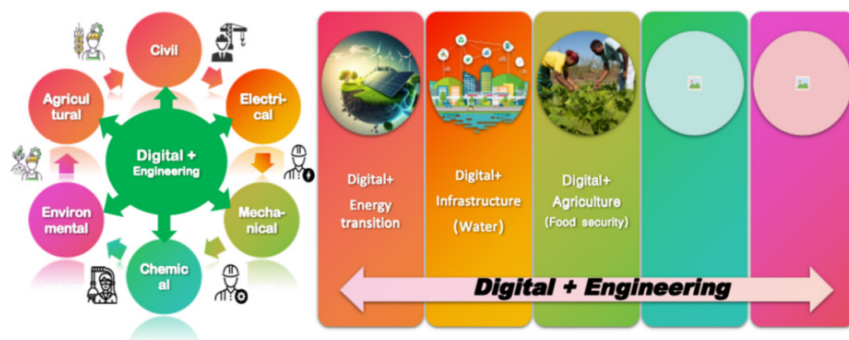
Overview

In 2025, CAST and the World Federation of Engineering Organizations (WFEO) jointly launched the Engineering Capacity Building for Africa Programme (ECBAP). Responding to global trends toward digitalization and green development, ECBAP is designed around the pivotal role of engineering and technology in advancing sustainable development. It focuses on promoting the application of artificial intelligence and digital technologies in key sectors, including energy, agriculture, water resources, and infrastructure, while developing an integrated “digital + engineering” approach to implementation.

(Source: Official website of CAST)



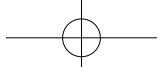
ECBAP endorsed as an official initiative of the Science Decade



In December 2025, ECBAP was officially endorsed by the United Nations International Decade of Sciences for Sustainable Development (2024-2033).

As a flagship initiative for advancing engineering capacity on a global scale, ECBAP is designed in response to worldwide trends toward digitalization and green development, with a focus on the critical role of engineering and technology in achieving sustainable development. The programme promotes the application of emerging technologies—including artificial intelligence and digital solutions—in key sectors such as energy, agriculture, water resources, and infrastructure, establishing an integrated “digital + engineering” framework for implementation. ECBAP aims to strengthen engineering education across Africa, provide continuing professional development and skills training, and promote engineering-based approaches to sustainable development. Over its ten-year implementation period, the programme seeks to train 100,000 local engineering and technical professionals, leveraging engineering innovation and expertise to support Africa’s steady progress toward the UN 2030 SDGs.

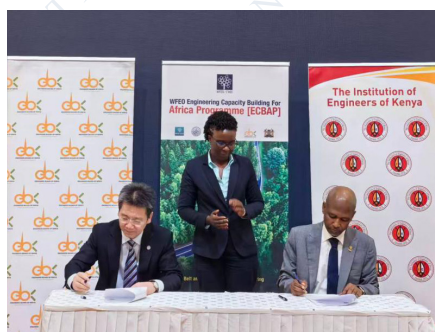
(Source: Official website of CAST)



March 2025: ECBAP launched in Nairobi

On March 17, 2025, CAST and WFEO jointly launched ECBAP in Nairobi.

During the launching ceremony, CAST and WFEO formally signed a letter of intent for cooperation on ECBAP. The Chinese Society of Engineers also signed memoranda of understanding with the Institution of Engineers of Kenya and the Engineers Board of Kenya.



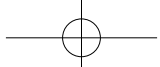
Representatives of CAST and WFEO pose with the signed letter of intent for cooperation on ECBAP

Photo credit: Official website of WFEO

“Progress toward achieving the United Nations 2030 Sustainable Development Goals has been relatively slow in Africa. As an important component of the International Decade of Sciences for Sustainable Development, ECBAP will help bridge technological gaps among countries and identify locally tailored solutions for development challenges. We hope the programme will receive broad support from all stakeholders.”

—Mustafa Shehu, WFEO President

(Source: Official website of CAST)



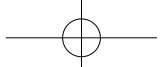
May 2025: ECBAP featured at UN Headquarters in New York



Thematic sessions of the 10th STI Forum at UN Headquarters in New York

From May 7 to 8, 2025, the United Nations convened the 10th Multi-Stakeholder Forum on Science, Technology and Innovation for the Sustainable Development Goals (STI Forum) at its headquarters in New York. Professor Gong Ke, Chair of the WFEO Task Force on Engineering Capacity Building for Africa, was invited to speak at the thematic session “scaling up STI financing and capacity building and strengthening research infrastructures for sustainable development”.

(Source: Official WeChat account of WFEO ECBAP)

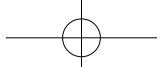


October 2025: WFEO General Assembly highlighted green engineering development



Jointly hosted by WFEO, CAST, the Chinese Academy of Engineering, and the Shanghai Municipal Government, the WFEO 2025 General Assembly was held under the theme “Engineering Shapes a Green Future.” The Assembly brought together engineering professionals from more than 60 countries to discuss the role of engineering in advancing sustainable development and unanimously adopt the Shanghai Declaration. The Declaration calls on the global engineering community to collaborate with unprecedented speed, scale, and depth, harnessing the power of engineering to accelerate the implementation of the 2030 Agenda for Sustainable Development, the Paris Agreement, the Pact for the Future, and the Global Digital Compact.

(Source: Official website of CAST)



May 2026: ECBAP participated in multiple thematic sessions and side events during the 11th STI Forum



Side event on “AI Empowering Engineering Capacity Building”



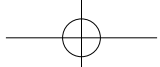
Side event on “AI for 2030 Agenda and Beyond: Inclusion, Accessibility, and Equity”



WFE0 President Seng Chuan Tan speaks at the STI forum session “Transforming Water Systems with Science, Technology and Innovation”

During the 11th STI Forum, ECBAP participated extensively in thematic sessions and side events covering agriculture, water resources, digital infrastructure, and AI governance. ECBAP engaged with representatives from UN agencies, international engineering organizations, research institutions, and industry, while actively supporting forum coordination and partnership building. Discussions focused on programme localization, international partnerships, and future training priorities, helping to strengthen ECBAP’s global network and expand opportunities for cooperation across Africa.

(Source: Official WeChat account of the China Center for International Science and Technology Exchange)



May 2026: ECBAP featured at UNESCO Africa Week



From May 19 to 22, the UNESCO Africa Week 2026 was held at UNESCO Headquarters in Paris, France.

During the event, Dr. Eng. Martin Manuhwa, Chair of the WFEO Committee on Engineering Capacity Building and Head of the ECBAP Local Programme Office, highlighted the programme's progress. He noted that ECBAP has launched pilot projects on artificial intelligence applications and capacity building in several African countries, including the AI for Engineers training programme in Kenya and a continuing professional development programme on AI-assisted agriculture in Uganda. Through these efforts, ECBAP is promoting the integration of AI into

engineering practice and strengthening the digital capabilities of Africa's engineering workforce.



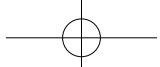
(Source: Official WeChat account of WFEO ECBAP)

Upcoming event

July 2026: Thematic session on digital inclusion and engineering capacity building at the 2026 IDSSD Global Conference

On July 17, 2026, the thematic session “Digital Inclusion: Engineering Capacity as a Strategic Driver for Sustainable Development” will be held as part of the 2026 Global Conference of the International Decade of Sciences for Sustainable Development (IDSSD), hosted by UNESCO.

Jointly organized by WFEO and the Permanent Delegation of China to UNESCO, the session will explore how engineering capacity building can advance digital inclusion and help bridge the digital divide in Africa and other developing regions. Senior UNESCO officials, ambassadors from African countries, leaders of international engineering organizations, and representatives from academia and industry will be invited to participate. Through thematic discussions and interactive dialogue, participants will examine issues including the application of artificial intelligence in engineering education, digital talent and skills development, and the creation of sustainable engineering ecosystems.



03 *Supporting global governance through science*

Overview

Guided by the United Nations 2030 Agenda for Sustainable Development and aligned with the action framework of the International Decade of Sciences for Sustainable Development, CAST has strengthened collaboration with international organizations including UNESCO and the United Nations Office for Disaster Risk Reduction (UNDRR), advancing a range of cross-sector scientific and technological initiatives.

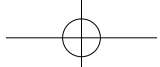
These efforts include implementing the “Open for Science10” (OS10) Initiative and its associated knowledge-sharing platform, promoting the integration of the Ocean Negative Carbon Emissions (ONCE) Programme into the United Nations Decade of Ocean Science for Sustainable Development, and contributing to global multilateral discussions on disaster risk reduction through participation in international scientific bodies dedicated to disaster-risk research. Drawing on China’s experience in digital disaster prevention and mitigation, these initiatives support knowledge exchange and international cooperation in addressing shared global challenges.

June 2025: CAST-UN Consultative Committee on Open Science and Global Partnership launched the OS10 Programme



Launch and Call for Partnership for the UNESCO-endorsed OS10 Programme

The Open for Science 10 (OS10) Programme, a Chinese initiative to promote the sharing of scientific knowledge and data through an open infrastructure framework, was officially endorsed by UNESCO in February 2025. The programme was proposed by Yang Wei, member of the Chinese Acad-



emy of Sciences, Professor at Zhejiang University, and Chair of the CAST-UN Consultative Committee on Open Science and Global Partnerships (CCOS).

OS10 aims to build a globally connected, open, and interoperable network of scientific infrastructure to facilitate the free flow and equitable use of scientific knowledge and data. The programme places particular emphasis on strengthening research capacity and improving access to data and knowledge resources in countries of the Global South.

(Source: *China Science Daily*)

October 2025: World Science and Technology Development Forum launched the Open for Science platform

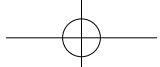


Liu Xiwen, Director of the National Science Library of the Chinese Academy of Sciences, launches the Open for Science platform

On October 29, 2025, the parallel forum “Open Science: Prospects for Global Collaboration” was held in Beijing as part of the 2025 World Science and Technology Development Forum. The event was organized by the CAST-UN Consultative Committee on Open Science and Global Partnerships (CCOS).

The forum marked the launch of Open for Science, a new platform for knowledge and data sharing. The platform is a major outcome of the OS10 Programme, a UNESCO-endorsed Science Decade initiative. By transforming the principles of open science into reusable data and tools, verifiable quality standards, and sustainable cooperation networks, the platform aims to expand access to scientific resources and support the goals of the Science Decade.

(Source: Official website of CAST)



Ocean Negative Carbon Emissions Programme builds a global network for carbon-mitigation cooperation

Ocean Negative Carbon Emissions



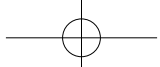
O N C E

In 2017, Jiao Nianzhi, a member of the Chinese Academy of Sciences and Professor at Xiamen University, proposed the Ocean Negative Carbon Emissions (ONCE) Programme. In 2022, the programme was officially endorsed as an action under the United Nations Decade of Ocean Science for Sustainable Development, providing scientific support for global climate change mitigation efforts.

The ONCE Programme has established a network of 104 partner institutions across 35 countries, forming an international cooperation framework comprising a central headquarters, regional bases, and global branch centers. The initiative has fostered broad consensus and extensive collaboration within the international scientific community.

Drawing on advanced observation technologies, research facilities, and integrated scientific platforms, the programme is building comprehensive ocean monitoring capabilities. It applies the integrated BCP-CCP-MCP-SCP (BCMS) carbon sequestration mechanisms in a range of settings, including estuarine environments and marine aquaculture systems, while developing demonstration projects tailored to diverse ecological and geographic conditions. These projects are designed to test the practical feasibility of maximizing ocean carbon sequestration and storage, enhance the ocean's role as a carbon sink, and generate replicable models for adoption in other countries and regions.

(Source: *Guangming Daily*)



CAST-UN Consultative Committee on Disaster Risk Reduction contributes Chinese expertise to global disaster governance



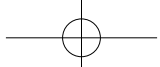
Participants at HLPF 2025

Drawing on its consultative status with the UN and expertise in disaster-risk research, the CAST-UN Consultative Committee on Disaster Risk Reduction (CCDRR) actively contributes to global disaster-governance

efforts. Through sustained engagement with multilateral institutions and international policy processes, the Committee shares Chinese experience and supports resilience-building initiatives, particularly in countries of the Global South.

- June 2025: CCDRR representatives attended the Eighth Session of the Global Platform for Disaster Risk Reduction (GP2025) in Geneva, where they highlighted China's innovative practices in digital disaster-risk reduction and integrated disaster management. The event further strengthened cooperation with international organizations, including the United Nations Office for Disaster Risk Reduction (UNDRR) and the World Meteorological Organization (WMO).
- July 2025: Led by Chair Guo Huadong, the Committee participated in the 2025 United Nations High-level Political Forum on Sustainable Development (HLPF 2025). Delegates followed the global review of progress made during the first decade of implementation of the 2030 Agenda for Sustainable Development, with particular attention to developments in disaster-risk reduction (DRR) and climate-change adaptation. The Committee also showcased China's achievements in applying digital technologies to monitor and support progress toward the SDGs.

(Source: Official WeChat account of the China Center for International Science and Technology Exchange)



04 *Promoting scientific literacy worldwide*

Overview

In 2023, the UN General Assembly formally adopted the resolution proclaiming the International Decade of Sciences for Sustainable Development (2024-2033). The initiative identifies the enhancement of public scientific literacy as a key priority, recognizing it as a foundation for empowering societies, combating misinformation, and advancing inclusive and sustainable development. In response to the objectives of the Science Decade, CAST has made the promotion of global scientific literacy a central component of its cooperation with UNESCO.

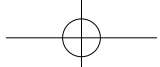
(Sources: Official websites of UNESCO and CAST)

December 2024: World Conference on Science Literacy focused on emerging trends of artificial intelligence



The 2024 World Conference on Science Literacy

To strengthen international exchange and global cooperation in science literacy, promote people-to-people exchange in science and culture, and contribute to the achievement of the UN SDGs and the building of a community with a shared future for humanity, CAST has, since 2018, steadily advanced the World Action for Science Literacy Promotion. It has also launched the World Conference on Science Literacy (WCSL)



and developed it into a regular international platform for dialogue. In parallel, CAST has worked with leading scientific and technological organizations from more than 20 countries to promote the establishment of the World Organization for Science Literacy (WOSL).

(Source: Official website of WOSL 2024)

April 2026: UNESCO hosted STEM train-the-trainer workshop and launched the Asia-Pacific Science Clubs Network



The STEM train-the-trainer workshop was jointly organized by UNESCO, WOSL, the China Science and Technology Museum, and other partner institutions. The workshop formed part of ongoing efforts to support the Science Decade and implement the cooperation agreement between CAST and UNESCO.



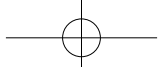
Participants at the workshop

Photo credit: *Science and Technology Daily*

The six-day program combined expert lectures, hands-on training, case discussions, exhibition visits, industry visits, and collaborative project development. Participants received systematic training in a range of areas, including the application of artificial intelligence in science education, STEM

and maker education, the development of teaching aids, and project-based learning.

(Source: chinadaily.com.cn)



Upcoming event

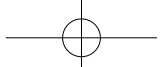
July 2026: Launch of the UNESCO Global Engagement Network for Science at the 2026 IDSSD Global Conference

On July 16, 2026, the thematic event “Innovating STEM Education Beyond the Classroom: Launch of the Global Engagement Network for Science (GENS)” will be held as part of the 2026 Global Conference of the International Decade of Sciences for Sustainable Development (IDSSD). Organized by UNESCO’s Natural Sciences Sector, the event will feature keynote speeches, high-level roundtable discussions, innovation awards, and the announcement of strategic partnerships, while exploring innovative approaches to STEM education beyond the classroom. Discussions will focus on key issues including teacher capacity building, resource sharing, school-industry collaboration, and inclusive education. The event will also recognize achievements in science and innovation among young people in Africa. Bringing together science and education officials, education policy experts, and representatives of science centers, science clubs, and technology enterprises from around the world, the event aims to strengthen international cooperation, enhance the ecosystem for extracurricular STEM education, and foster young people’s capacity for innovation and sustainable development.

Upcoming event

July 2026: Thematic event on global open science infrastructure sharing at the 2026 IDSSD Global Conference

On July 16, 2026, the thematic event “Fostering a Global Open Science Infrastructure Sharing Network: Open Knowledge and Data for Science Decade” will be held as part of the 2026 Global Conference of the International Decade of Sciences for Sustainable Development (IDSSD). The event is hosted by the CAST-UN Consultative Committee on Open Science and Global Partnerships (CCOS), the National Science Library of the Chinese Academy of Sciences, and Zhejiang University. Featuring opening remarks, keynote presentations by Chinese and international experts, and a roundtable discussion among representatives of international organizations, the event aims to provide a platform for multi-stakeholder exchange, build international consensus, and deepen practical cooperation. It will also showcase Chinese approaches to leveraging open science in support of global sustainable development and scientific and technological innovation.

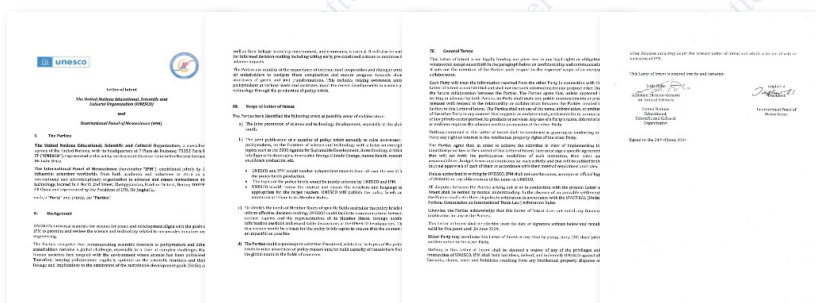


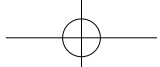
05 Informing policy for sustainable development

Overview

As humanity confronts increasingly complex challenges and scientific issues are increasingly intertwined with political considerations, effectively communicating scientific knowledge to policymakers and stakeholders has become both essential and a shared responsibility of the global scientific community. Focusing on emerging issues related to the implementation of the 2030 Agenda for Sustainable Development and other global priorities, policy briefs help decision-makers understand the latest scientific developments and their social, environmental, and economic implications for achieving the SDGs. They support evidence-based decision-making, promote early and preventive action, minimize adverse impacts, and contribute to green, equitable, and sustainable transitions.

- June 2024: The International Panel of Mesoscience (IPM) and UNESCO formally signed a letter of intent on cooperation in policy brief development, agreeing to jointly produce policy briefs on issues of global concern, including sustainable development.



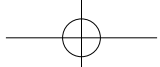


- June 2024: The 2024 Seminar on the Report on Scientific Support for the Sustainable Development Goals was held to explore how the principles of Mesoscience can be applied to analyze the multi-level complexities of the UN SDGs and related policy challenges.



- September 2024: The 7th Governance Board Meeting of IPM was held at the Royal Academy of Engineering, UK. During the meeting, participants reviewed and approved the *Strategic Report on Science for Sustainable Development*.

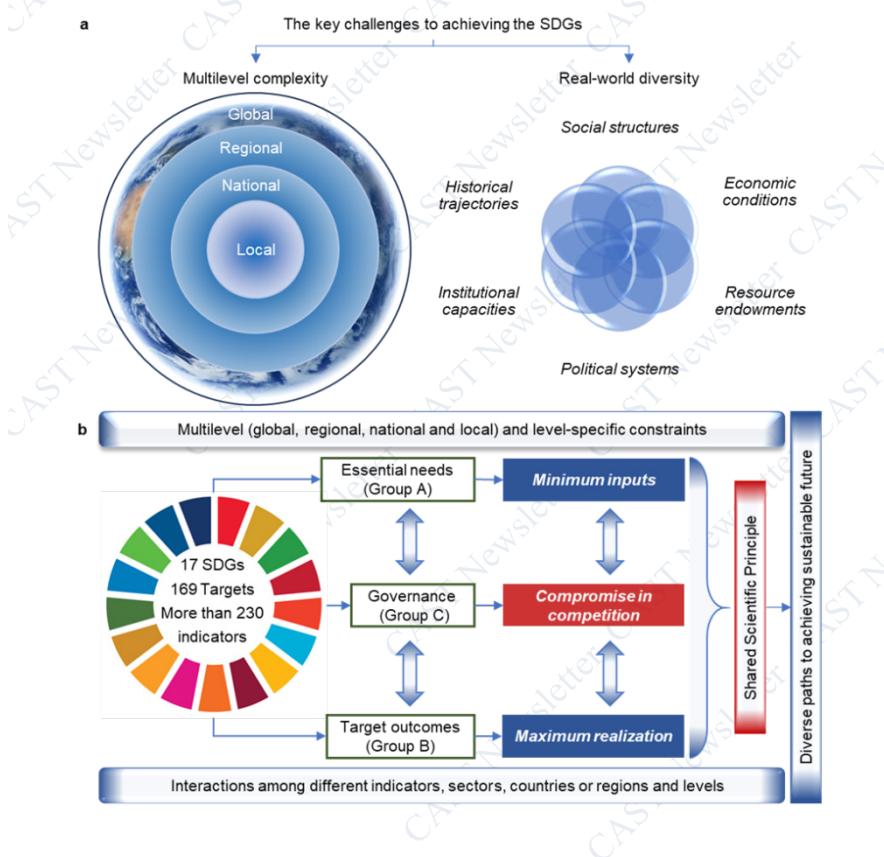


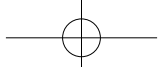


Policy Brief No. 1: Supporting Our Sustainable Future: A Shared Scientific Principle

In December 2025, following multiple rounds of revision and incorporating feedback from UNESCO, the first policy brief, *Supporting Our Sustainable Future: A Shared Scientific Principle*, was formally submitted to *Nature Sustainability*. On April 2, 2026, the manuscript entered peer review.

The policy brief advances the following key messages:





1. Two key challenges to achieving the SDGs

Multilevel complexity: nonlinear interactions and time lags among different levels of governance, including the global, regional, national, and local levels.

Real-world diversity: substantial differences among countries in social structures, economic conditions, political systems, and other factors.

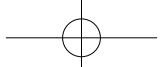
2. A scientific principle for managing complex systems: Compromise in competition (CIC)

Drawing on decades of research on complex systems, the brief proposes a systemic framework for advancing the SDGs. The framework recognizes the complexity, diversity, and interdependence of the SDGs across multiple (global, regional, national and local) levels and is grounded in the principle of Compromise in Competition (CIC). Under this framework, the 17 SDGs are grouped into three categories:

Essential Needs (Group A): This category represents the fundamental resources and unavoidable costs required to sustain human life and development. It encompasses SDG targets concerning resource use and environmental stewardship. Its primary objective is to minimize resource consumption and waste generation while keeping human activities within planetary boundaries.

Target Outcomes (Group B): This category encompasses the conditions necessary for prosperous, healthy, and sustainable human societies, including social well-being, economic prosperity, and environmental sustainability. Its objective is to maximize realization while ensuring that human aspirations are pursued in harmony with the environment and with due regard for intergenerational equity.

Governance (Group A-B): This category serves as the bridge between Group A and Group B and integrates the principles of minimum input and maximum realization. Its purpose is to balance and coordinate competing objectives so that progress in one area is not achieved at the expense of another, thereby enabling coordinated progress across the SDGs within a complex system.



3. Paths for implementation

- Developing country-specific CIC roadmaps through quantitative modelling and scenario analysis;
- Establishing science-policy interface mechanisms, including interdisciplinary research alliances and policy advisory platforms at local, national, regional, and global levels;
- Adopting adaptive management frameworks supported by real-time monitoring, feedback loops, and advanced technologies such as artificial intelligence.

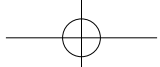
4. Broad international collaboration and interdisciplinary consensus

The policy brief was jointly developed by more than 20 leading scholars from China, Australia, Germany, the Netherlands, South Africa, Switzerland, the UK, and the US. Contributors represent a wide range of disciplines, including ecology, chemical engineering, mathematics, geography, and policy studies, reflecting a high degree of international collaboration and interdisciplinary integration.

Progress on new policy brief themes

Building on their collaboration in developing policy briefs on sustainable development, IPM and UNESCO have agreed to pursue two new policy brief themes: climate geoengineering and science and engineering education. The policy brief on climate geoengineering will be led by Professor Robin Batterham, an IPM member, former President of the Australian Academy of Technological Sciences and Engineering, and an international member of the Chinese Academy of Engineering. The policy brief on science and engineering education will be led by Professor Richard Williams, IPM Vice President, Principal and Vice-Chancellor of Heriot-Watt University, and Fellow of the Royal Academy of Engineering.

(Source: IPM)



06 *Empowering women in science and technology*



The UN identifies early intervention and equitable education as key to closing the gender gap in science

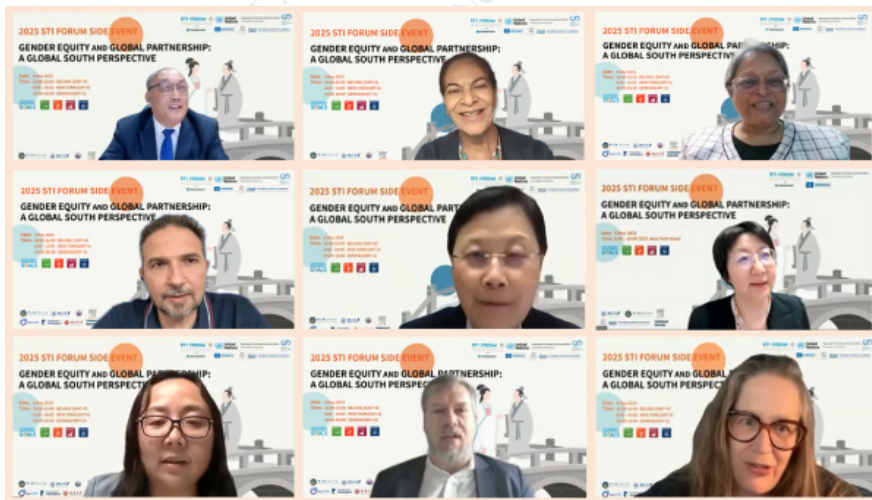
Photo credit: Official UN website

Overview

CAST has consistently attached great importance to the development of women scientists and engineers. It has made sustained efforts to improve the environment for their professional growth, establish platforms to support their career advancement, foster a supportive environment for women in science and technology, and strengthen organizations serving women scientists and engineers. Looking ahead, CAST will continue to support the growth and development of women scientists and engineers, enabling them to contribute their expertise and talents to the building of a community with a shared future for humanity.

(Source: Official website of CAST)

May 2025: Side event on gender equity and global partnership held at the 10th UN STI Forum

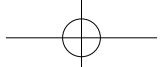


Speakers at the “Gender Equity and Global Partnership” side event

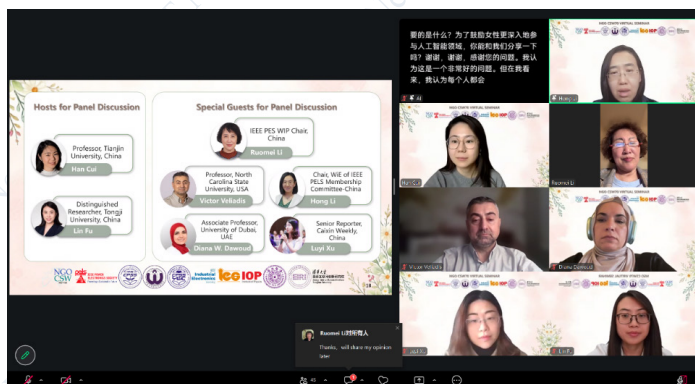
On May 8, 2025, the side event “Gender Equity and Global Partnership: A Global South Perspective” was held as part of the 10th United Nations Multi-Stakeholder Forum on Science, Technology and Innovation for the Sustainable Development Goals (STI Forum). The event was jointly organized by the CAST-UN Consultative Committee on Open Science and Global Partnerships and the CAST-UN Consultative Committee on Women Scientists and Gender Equality & Solidarity.

The outcomes of the event—including policy recommendations, a gender-responsive research evaluation framework, and an open science implementation roadmap—will be incorporated into the OS10 Programme, a UNESCO-endorsed Science Decade initiative, to further strengthen inclusive cooperation and South-South collaboration in global science, technology, and innovation governance.

(Source: Official website of CAST)



March 2026: Online seminar explored women's engagement in AI-enabled science from laboratory innovation to global impact



Speakers at the “AI in Science” online seminar

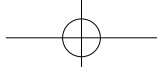
On March 21, 2026, the online seminar “AI in Science: Women’s Deep Engagement from Laboratory Innovation to Global Impact” was jointly organized by the CAST-UN Consultative Committee on Women Scientists and Gender Equity & Solidarity, the Women in Engineering (WiE) Committee of the IEEE Power Electronics Society (PELS) China Membership Committee, and the Working Committee of Female Scientists of the China Power Supply Society (WiS-CPSS).

Experts and scholars from multiple countries held in-depth discussions on artificial intelligence applications, energy management, power electronics, intelligent communications, women’s development, and gender equality. They also explored the roles, opportunities, and challenges facing women scientists and engineers amid the transformative impact of AI technologies.

“The rapid growth of AI-related energy consumption requires wide-bandgap semiconductor technologies to improve energy efficiency. At the same time, the underrepresentation of women in engineering represents a significant loss of innovation potential. Through role models, project support, and international cooperation, we should encourage more women to pursue careers in technology and artificial intelligence.”

—Victor Veliadis, Professor, North Carolina State University, US

(Source: Official website of CAST)



 For more information about the CAST Newsletter, please visit <https://voc-gj.cast.org.cn/>.

Editor: Ying Wenqi
Proofreader: Bai Ge
Designer: Zhang Shan

CAST is the largest non-governmental organization of scientific and technological professionals in the world. Through its 220 member societies and local branches all over the country, CAST maintains close ties with millions of Chinese scientists, engineers, and other professionals working in fields of science and technology.

<http://english.cast.org.cn/>

newsletter@cast.org.cn



