



# ECOSF NEWSLETTER



## 9th Belt and Road Teenager Maker Camp and Teacher Workshop held in Chengdu ECOSF's Teams also participated

9th Belt and Road Teenager Maker Camp & Teacher Workshop was held from 10-15 June 2025 in Chengdu city of China. The Camp was held by Children and Youth Science Center (CYSC) of China Association for Science and Technology (CAST), the Ministry of Science and Technology of China, and Chengdu Association for Science and Technology (local host). The Camp was supported by ECOSF, the Inter Academy Partnership Science Education Program, Network of African Science Academies, and Arab League Educational, Cultural and Scientific Organization.



The Camp was formally opened in a beautiful ceremony. The main objective of the Camp was to provide a platform to the participating teams to strengthen cross-cultural exchange, promote international understanding and inspire innovation in young generation, as well also serve scientists and science teachers by fulfilling their responsibilities in science education career. Every year, the event attracts participants from different countries and regions worldwide.

The camp also provided students with opportunities to cooperate with the best of their age at international level, to share ideas and study cutting-edge knowledge in science labs of top institutes in China through hands-on experience and teamwork under guidance of experienced teachers. Science education seminars and teacher workshops are held for teachers to share educational practice of different countries and learn skills of STEM education. It also includes diversified cultural and scientific programs including various visits.





As for the participation, over 188 participants comprising of high officials, teachers and students from 27 countries and regions along the belt and road gathered to promote the exchange of science, technology and culture, mutual learning and sharing. Totally, 53 participants (teachers, students and officials) from 7 ECO Member Countries were invited and facilitated by ECOSF

All attendees of the Camp had access to front-edge science equipment to experience advanced technology; visited various natural and cultural spots with Chinese features; and made friends with peers from different nations. In addition, the Camp also encouraged students to showcase their cultures and communicate with their peers. Following are some glimpses of the Camp:



### Annual Meeting of BRISEC held in Chengdu, China, ECOSF attended

Annual Meeting of the Belt and Road International Science Education Consortium (BRISEC) was held on June 12, 2025 in Chengdu, China. The meeting was chaired by Prof. WU Xiangping President of BRISEC, and then moderated by Prof. Manzoor Soomro, the BRISEC Vice-president and Ex-President/Advisor of ECOSF. Prof. WU Xiangping delivered the welcome address to the all members attending offline as well as online.

Later, Ms. Xin Bing, Director General of Children and Youth Science Center of CAST (CYSCC) delivered the highlights of BRISEC's annual work (July 2024 to June 2025). She said that in the reporting period, BRISEC members have adhered to the Silk Road spirit of "peace and cooperation, openness and inclusiveness, mutual learning and mutual benefit" and followed the Belt and Road Partnership Plan for Teenager Science and Technology Innovation, to proactively align our initiatives with the United Nations 2030 Agenda for Sustainable Development.





Prioritizing peer-to-peer exchanges, resource sharing, and network building, BRISEC combined collective synergy with targeted collaboration, openness with shared development, and deepened exchanges and cooperation with Belt and Road partner countries in youth science education, science popularization, and capability improvement for science teachers. Efforts have also been made to effectively promote the implementation of the tasks set at the previous annual meeting. Institutional mechanisms matured, friendly ties among members grew stronger, and BRISEC's influence and appeal expanded. The highlights of BRISEC's annual work are summarized below.

- 1- Multi-tiered youth activities flourished, expanding horizons for peer-to-peer exchange.
- 2- Diversified resource platforms expanded, and online and onsite teacher workshops thrived.
- 3- The BRISEC family expanded, and the youth sci-tech innovation partnership network has gradually grown.
- 4- Implementation of previous year's proposals:

Building on the success of last year's "Traditional Toys and STEM Education" workshop, this year's Maker Camp specifically arranged for the self-developed teaching aids R&D team of the College of Physics and Electronic Engineering of Sichuan Normal University to engage in exchanges with BRISEC members.

Key priorities for next steps.

During the meeting, the member organizations made presentations and shared their activities based on 2025 annual report of BRISEC by the Secretariat.

**President ECOSF, Professor Tayebi**, delivered a presentation report highlighting one-year (July 2024-June 2025) activities of ECOSF under BRISEC framework at the category of Teenager Science Education as follows:

1. Sindh STEAM Festival 2025 held in Karachi on February 27, 2025
2. International Online Seminar on Capacity Building for Youth and Science Teacher held on November 3, 2024
3. Workshops during NST Fair Thailand from August 16-25, 2025
4. ASPAC Masterclass for Emerging Leaders (AMEL) 2024



5. 8th Young Scientists Festival (YSF) held on December 17, 2024 in Iran.

Prof. Tayebi also presented the future proposals of ECOSF to be held from July 2025 to June 2026 under the BRISEC framework as follows:

1. Summer STEM Camp & Teachers' Workshop
2. International Forum on Science Education & Capacity Building Workshop on IBSE in Uzbekistan
3. Science Education and Capacity Building Workshop on Inquiry Based Science Education (IBSE) for Iran under the Framework of BRISEC,
4. ECO Youth Forum: Enhancing the Role of Youth for Building a Sustainable and Climate-Resilience Future
5. ECO Women Forum: Enhancing the Rule of Women for Building a Sustainable and Climate-Resilience Future

The meeting was ended with vote of thanks.

### ECOSF Signs MoU with Sichuan Association for Science and Technology to Launch Youth Imagination Education Initiative

**Chengdu, China – June 11, 2025** — The ECO Science Foundation (ECOSF) and the Sichuan Association for Science and Technology (SAST) signed a Memorandum of Understanding (MoU) to collaborate on advancing imagination-based science education among youth in Belt and Road Initiative (BRI) partner countries. The MoU was signed by President ECOSF, Prof. Seyed Komail Tayebi during the opening ceremony of the 9<sup>th</sup> Belt and Road Teenager Maker Camp and Teacher Workshop in Chengdu.



Under the agreement, both organizations will jointly launch the Youth Imagination Education Project aimed at fostering creative thinking and scientific innovation among young learners across the BRI region. The initiative includes development of shared educational resources, professional training programs for teachers, and the establishment of the Belt and Road Imagination Education Alliance.

The partnership is expected to create a dedicated platform for national youth to participate in the Youth Science Fiction Creation Contest, encouraging students to explore themes such as artificial intelligence, environmental sustainability, and cultural heritage through art, literature, and digital media.

“This partnership reflects ECOSF’s strong commitment to nurturing creativity and scientific curiosity among youth,” said Prof. Tayebi. “Together with SAST, we aim to build a more inclusive and imaginative science education ecosystem across our member countries.”



## President ECOSF Joins “Smart Rail Links to the Future” Themed Maker Camp in Tianfu New Area

**Chengdu, China – June 12, 2025** — Prof. Seyed Komail Tayebi, President ECOSF participated in the themed Maker Camp titled "Smart Rail Links to the Future" held at Huayang Middle School (Xiangshan Campus) in Tianfu New Area, Sichuan Province, as part of the 9th Belt and Road Teenager Maker Camp and Teacher Workshop.

Accompanied by fellow members of the Belt and Road International Science Education Consortium (BRISEC), Prof. Tayebi explored the school's state-of-the-art “Planet Academy” STEM Workshop, where students showcased their creativity and technical skills through hands-on activities, including 3D printing, robotics, and rail transport simulations.



One of the camp highlights was the student-led “Super Roller Coaster” competition, where international participants observed young innovators applying physics and engineering concepts to design functional models of future transport systems. President Tayebi engaged with students and educators, encouraging cross-cultural learning and commending the school's dedication to nurturing innovation from an early age.

Huayang High School's STEM-focused curriculum and its strong track record in international competitions were praised by Prof. Tayebi, who highlighted the value of early-stage innovation ecosystems in shaping a resilient, knowledge-driven future for youth across the Belt and Road region.



### President ECOSF Highlights Regional Science Cooperation in CCTV Interview

**Chengdu, China – June 13, 2025** — Prof. Seyed Komail Tayebi, President ECOSF was featured in an exclusive interview with China Central Television (CCTV) during his participation in the 9th Belt and Road Teenager Maker Camp and Teacher Workshop in Chengdu.



In the interview, Prof. Tayebi emphasized the vital role of international organizations in bridging scientific and technological gaps among developing nations. He spotlighted ECOSF's flagship regional initiative on Electric Mobility and Green Transport, which fosters cooperation between China and ECO member states to support sustainable development and climate goals.

He also stressed the importance of early STEM education and highlighted ECOSF's efforts to promote Inquiry-Based Science Education (IBSE) and cross-border teacher training through South-South and North-South cooperation.

Prof. Tayebi commended the Belt and Road Initiative for advancing inclusive science diplomacy and reiterated ECOSF's commitment to empowering youth through innovation and international collaboration.

### President ECOSF Engages in International Youth Science and Technology Education Exchange in Chengdu

**Chengdu, China – June 13, 2025** — Prof. Seyed Komail Tayebi, President ECOSF participated in the Exchanges on International Youth Science and Technology Education at Chengdu No. 7 High School, as part of the 9th Belt and Road Teenager Maker Camp and Teacher Workshop.

During the visit, Prof. Tayebi joined fellow BRISEC members in interactive sessions with students and school officials, exploring innovative science projects and touring the school's Life Science Museum, Robot Classroom, and other educational facilities.







In his remarks, Prof. Tayebi applauded the school's excellence in promoting STEM education and emphasized the pivotal role of high schools in nurturing future scientific talent. He reaffirmed ECOSF's commitment to strengthening youth science education through international collaboration and capacity building. Prof. Manzoor Soomro, the BRISEC Vice-president and Ex-President/Advisor of ECOSF also discussed promoting equitable access to quality STEM resources and encouraging participation from diverse student groups.

#### ECOSF Joins Closing Ceremony of 9<sup>th</sup> Belt and Road Teenager Maker Camp

**Chengdu, China – June 14, 2025** — The Closing Ceremony and Farewell Dinner of the Sichuan Tour of the Belt and Road Partnership Plan for Teenager Science and Technology Innovation and the 9th Belt and Road Teenager Maker Camp & Teacher Workshop was held in Chengdu.



Prof. Seyed Komail Tayebi, President ECOSF joined fellow BRISEC members, teachers, and students from 27 countries in celebrating the successful conclusion of the week-long camp. The ceremony featured reflections from student and teacher representatives, a presentation of the camp summary report, and distribution of certificates.

Prof. Tayebi congratulated the participants and commended the organizers for creating a vibrant platform for cross-cultural learning, scientific exploration, and youth innovation, reinforcing ECOSF's ongoing commitment to empowering young minds through regional and international collaboration.

### President ECOSF Participates in Teachers' Workshop on International Youth Science Education

**Chengdu, China – June 13, 2025** — Prof. Seyed Komail Tayebi, President ECOSF took part in the Teachers' Themed Workshop on International Youth Science and Technology Education held at Hotel Nikko, Chengdu, during the 9th Belt and Road Teenager Maker Camp.

The workshop, organized by Sichuan Normal University, focused on hands-on science education through instrument making and innovation in classroom practices. Prof. Tayebi engaged with science educators from Belt and Road countries and observed demonstrations of interactive learning tools developed by the university.

Highlighting the importance of practical STEM pedagogy, Prof. Tayebi reaffirmed ECOSF's commitment to advancing teacher training and regional collaboration to improve science education across ECO Member States.

### ECOSF in partnership with COMSATS and NDMA hosted Seminar on Bridging the Climate-Adaptation Divide Across the Food–Water–Agriculture Nexus as part of the World Environment Day 2025

The National Disaster Management Authority (NDMA) and COMSATS, in collaboration with the ECOSF and other partners, hosted a high-level seminar titled "Bridging the Climate Adaptation Divide Across the Food Water Agriculture Nexus" to celebrate the World Environment Day 2025 on June 20, 2025.

The event welcomed over 200 participants including government officials, diplomats, climate experts, media, industry leaders, and civil society representatives NDMA. Federal Minister for Climate Change & Environment Coordination, Dr. Musadik Masood Malik, delivered opening remarks as the Chief Guest, highlighting Pakistan's climate vulnerabilities and the need for ecological stewardship. Justice Jawad Hassan of the Lahore High Court delivered a keynote speech emphasizing the judiciary's critical role in enforcing climate justice in Pakistan.





Prof. Seyed Komail Tayebi, President of ECOSF, addressed the forum emphasizing investment in Science, Technology, and Innovation to tackle climate challenges, and called for robust regional partnerships to address this shared global challenge. Executive Director ECOSF, Dr. Ghulam Muhammad Memon also participated in the event.

Other notable speakers included Lt. Gen Inam Haider Malik (Chairman NDMA), Ambassador Dr. Zakaria (Executive Director, COMSATS), Country Director UNEP, Dr. Mushtaq Ahmed Memon, and Ms. Aisha Jamshed (Country Director, WHH). Their remarks emphasized the need for equity-focused adaptation strategies and stronger climate resilience frameworks.

The thematic panel, led by distinguished climate experts, underscored:

- The value of digital climate advisories and farmer driven innovation ecosystems,
- The importance of gender sensitive, nutrition aware adaptation measures, and
- The need to shift climate finance toward long-term, infrastructure supporting mechanisms.



### Meeting between President ECOSF and Prof. Hong Tianhua, Executive Director, CPJRC

On June 26, 2025, President of the ECO Science Foundation (ECOSF), Prof. Seyed Komail Tayebi, held a meeting with Prof. Hong Tianhua, Executive Director of the China-Pakistan Joint Research Centre on Earth Sciences (CPJRC) to discuss potential avenues of collaboration in the areas of climate change and disaster risk reduction.

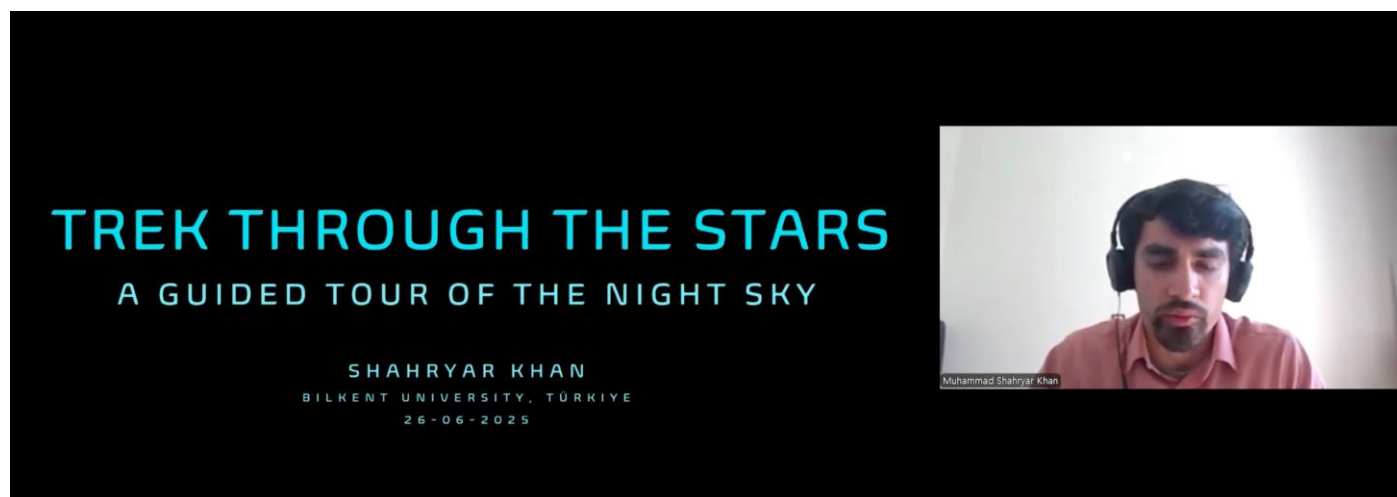
During the meeting, both sides acknowledged the growing urgency of regional cooperation in addressing climate-induced risks and promoting sustainable development through science-based solutions. Prof. Hong extended an invitation to ECOSF to participate in the 2<sup>nd</sup> International Conference on Climate Change and Disaster Risk Reduction, scheduled to be held on October 19–20, 2025, in Beijing, China. He highlighted the importance of ECOSF's role in bringing forward regional perspectives from the ECO Member Countries and contributing to the session on Science, Technology, and Innovation (STI) for climate resilience.

President ECOSF expressed his sincere appreciation to Prof. Hong and his team at CPJRC for their remarkable contributions and technical leadership in advancing research on climate change and disaster risk reduction. He reaffirmed ECOSF's commitment to supporting and contributing to the upcoming conference, particularly through a dedicated parallel session on leveraging STI for sustainable development and climate resilience in the ECO region and beyond.



## ECOSF and IPKI hosted a Webinar on Trek Through the Stars – A Guided Tour of the Night Sky as part of the Science Chronicles.

The ECO Science Foundation (ECOSF), in collaboration with the Imran Parvez Khan Institute (IPKI), hosted a webinar titled “Trek Through the Stars: A Guided Tour of the Night Sky” on June 26, 2025, as part of the Science Chronicles Series.



The session featured Mr. Shahryar Khan, who delivered an engaging presentation exploring the historical and scientific foundations of constellations. He discussed the influence of Greek mythology on astronomy, the Orion constellation, the Zodiac, and the phenomenon of precession.

Using astronomical software tools, Mr. Khan demonstrated how to observe and interpret celestial patterns, simulate astronomical events, and locate constellations based on geographic latitude.

The webinar concluded with remarks by President ECOSF Prof. Seyed Komail Tayebi, who commended the speaker and organizers for an insightful and enriching session.

Recorded Webinar is available for watch at: [https://www.youtube.com/watch?v=L\\_VN8ssQz\\_Q](https://www.youtube.com/watch?v=L_VN8ssQz_Q)

## Upcoming Events posted on ECOSF website and Facebook page

### The 7th IKCEST “The Belt and Road” International Big Data Competition and the 11th Baidu and Jiaotong University Big Data Competition

International Knowledge Center for Engineering Sciences and Technology (IKCEST) Baidu and Xi’an Jiaotong University will jointly host the “The Belt and Road” International Big Data Competition “7th IKCEST” and the 11th Baidu and Jiaotong University Big Data Competition – 2025”.

Read more: <https://ecosf.org/7th-ikcest/>

### Summer STEM Camp 2025

It is pleasure to announce that ECOSF jointly with Allama Iqbal Open University (AIOU) and Pakistan Science Club are going to organize 4th Edition of “Summer STEM Camp 4.0” in Islamabad from 19-23 July 2025 at AIOU Campus. This year, there will be two groups this year. Group-1 called Young Explorers (Aged 7–10)” and Group two called “Future Innovators (Aged 11–16). You are invited to attend.

