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ECOSF NEWSLETTER

Building Young Innovators: ECOSF Connects Central Asia and Pakistani Students and Teachers to Xi'an Maker Camp in China

Xi'an, Shaanxi, China — As a supporting organization, the Economic Cooperation Organization Science Foundation (ECOSF) facilitated the participation of 43 students and teachers from six ECO Member States: Kazakhstan, Kyrgyzstan, Pakistan, Tajikistan, Turkmenistan and Uzbekistan in the China–Central Asia Teenager Maker Camp and Teacher Workshop 2026, held in Xi'an, Shaanxi, China from October 14–20 under the theme "Empowering Central Asian Youth." The ECO contingent joined more than 50 participants from six countries for youth science education, hands-on learning, teacher exchange, technological exposure and cultural interaction. The ECOSF delegation included Dr. Ghulam Muhammad Memon, Excutive Director, and Mr. Adnan Ali Abbasi, Manager (Accounts and Finance).



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The Camp featured a diverse range of science, technology and cultural exchanges. ECOSF delegates and ECO participants visited the Xidian University Museum of Electronics and Information Technology visited the Museum on history of communication devices and created a signaling device., Northwest A&F University visited Gene Labs of Plant Protection College, discovered the history of Xi'an and ancient China in the Xi'an Museum and the Terracotta Warrior Site and each team created a mini terracotta warrior in a workshop. They also toured the Aerospace Museum at Northwestern Polytechnical University and assembled an aircraft model, visited the Qinling Panda Reserve Park, and took part in a cultural exchange at Xi'an Tieyi High School. Together, these visits provided participants with practical exposure to artificial intelligence, aerospace technologies, robotics, electronics, information technology and communication, natural sciences, environmental knowledge and cultural heritage.



During the Camp, a leaders' meeting was hosted by Mr. Feng Shenhong, Vice Chairman and Secretary of the Secretariat of the China Association for Science and Technology (CAST), where leaders from China, the Central Asian states and ECOSF exchanged views on further strengthening cooperation and explored ways to learn from China's experience of science, technology and innovation-led development. The meeting formed part of the broader China–Central Asia engagement under the Camp's theme, and complemented the Camp's practical activities.



On the sideline of the leaders meeting Executive Director ECOSF Dr. Ghulam Muhammad Memon had a meeting with Mr. Feng Shenhong, Vice Chairman, CAST. During the meeting Dr. Memon highlighted that ECOSF is the founding member of the BRISEC program and so far has facilitated over 1500 participants (Students, Teachers and policy makers) from ECO Region in the program. Mr. Feng while commending ECOSF facilitation and support, emphasized CAST willingness for more collaboration with ECOSF.

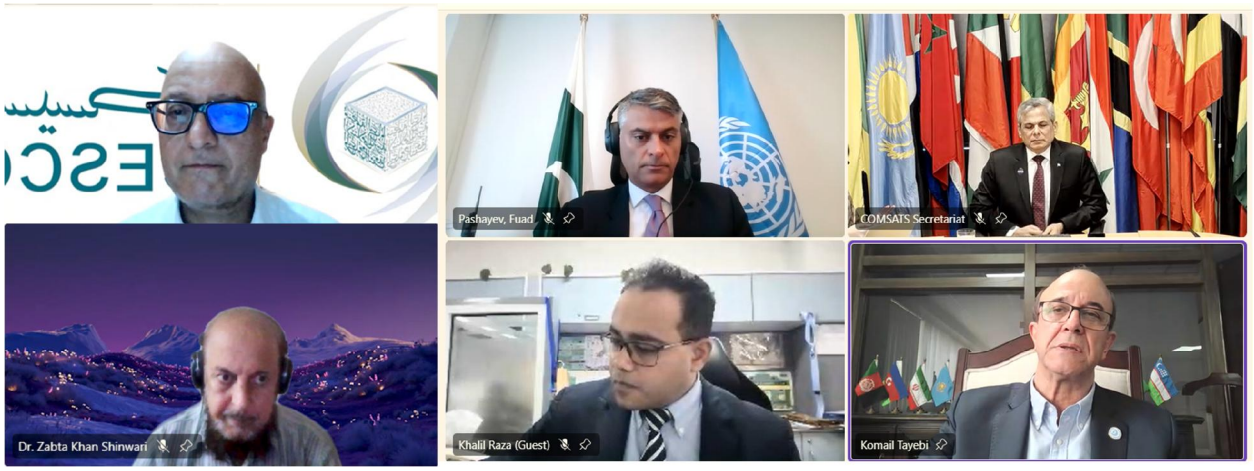
During the closing ceremony Dr. Memon in his remarks highlighted that "the greatest lesson of this camp is clear: innovation grows when curiosity meets collaboration. When young minds from different cultures learn and create together, they become not only better students, but also future scientists, innovators, and ambassadors of friendship". He thanked the organizers CYSC, CAST and participating teachers of the region for guiding and inspiring the next generations.

The participation of ECOSF and the six ECO Member States strengthened the visibility of the ECO region within Belt and Road science education exchange and reinforced ECOSF's role as a platform for regional cooperation in science, technology and innovation education. The programme also provided opportunities to explore future collaboration with CAST, CYSC, BRISEC and other international science education partners, particularly in AI, robotics, maker education, STEM and teachers' capacity building.

UNESCO, ECOSF and COMSATS Hold Webinar on the Ethics of Science and Technology

Islamabad, October 07, 2026. The UNESCO Office in Pakistan, in partnership with the ECO Science Foundation (ECOSF) and the Commission on Science and Technology for Sustainable Development in the South (COMSATS), held a webinar on the Ethics of Science and Technology. The second session in the Science, Ethics and Innovation series examined how developing countries can harness new technologies while addressing the ethical challenges of rapidly advancing science and technology.

The opening speakers were Mr. Fuad Pashayev, UNESCO Representative in Pakistan; Ambassador Dr. Mohammad Nafees Zakaria, Executive Director COMSATS; and Prof. Seyed Komail Tayebi, President ECOSF. Mr. Pashayev highlighted UNESCO's ethics initiatives in science and technology, while Ambassador Zakaria observed that technology is advancing faster than policy can respond.



President ECOSF, Prof. Tayebi, underlined why ethics matters in practice, with particular emphasis on the emerging role of artificial intelligence (AI). Using healthcare as an example, he noted that while AI can help doctors review medical images more quickly, tools trained on data from a limited group of patients may be less reliable for others. He stressed the need to test such tools on the patients they are meant to serve, protect medical records and ensure that a qualified professional remains responsible for decisions about care. He also encouraged institutions across the ECO region to share their experience in using these technologies.

Prof. Zabta Khan Shinwari, Vice Chancellor of the Federal Urdu University of Arts, Science and Technology, Pakistan, discussed how science diplomacy can help developing countries work together on ethical standards for research. Prof. Adel Smeda, an expert in the Science and Environment Sector at the Islamic World Educational, Scientific and Cultural Organization (ICESCO), Morocco, highlighted how institutions can develop and deploy technology more inclusively. Dr. Mehdi Sabooripour, UNESCO Chair for Human Rights, Peace and Democracy at Shahid Beheshti University, Iran, addressed criminal liability where the use of AI causes harm.

The presentations were followed by a question-and-answer session moderated by Mr. Khalil Raza, Programme Manager for Energy and Climate, ECOSF. The webinar series forms part of the UNESCO-led International Decade of Sciences for Sustainable Development (IDSSD) 2024–2033.

President ECOSF Participates in ANSO-COMSATS-TWAS Conference on a Sustainable Future hosted by COMSATS.

Islamabad, October 13, 2026- Prof. Seyed Komail Tayebi, President ECOSF, and Mr. Khalil Raza, Programme Manager Energy and Climate participated in the three-day ANSO-COMSATS-TWAS Conference on "A Sustainable Future for All Living Species on Planet Earth", which brought together scientists, policymakers and young scholars from 16 countries.

Organised by COMSATS in collaboration with the Alliance of National and International Science Organizations for the Belt and Road Regions (ANSO) and The World Academy of Sciences (TWAS-UNESCO), the conference was an official activity of the UNESCO-led International Decade of Sciences for Sustainable Development (IDSSD) 2024–2033.

Mr. Shahid Baloch, Federal Secretary, Ministry of Science and Technology, attended as Chief Guest, stressed that developing countries must benefit from scientific knowledge and emerging technologies. Ambassador Zakaria, Executive Director COMSATS, underscored the importance of international scientific partnerships.



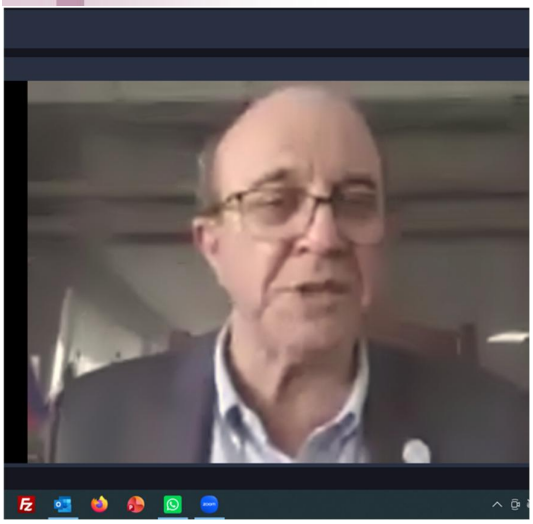
The conference focused on three themes: Sustainability Education and Planetary Health; the Water–Energy–Food–Ecosystems (WEFE) Nexus; and Science–Policy Dialogue for a Sustainable Future.

ECOSF and UISMS Successfully Co-Host International Webinar on Quantum Spin Dynamics

October 01, 2026— The ECO Science Foundation in collaboration with the Union of Iranian Societies of Mathematical Sciences (UISMS), convened a high-level webinar titled "LREI: A Numerical Algorithm for Solving Quantum Spin Dynamics" on Thursday, October 01, 2026. The virtual session brought together participants from the ECO region.



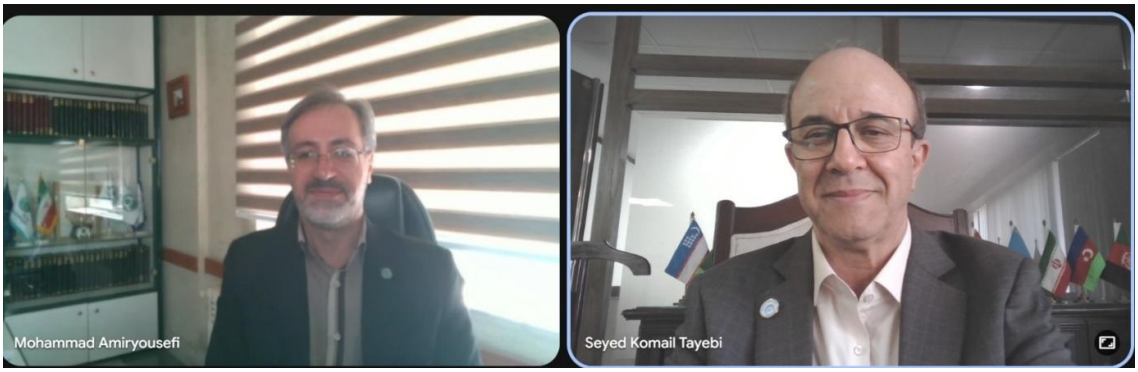
The session featured a keynote presentation by Dr. Davoud Mirzaei, an Associate Professor in the IT Department at Uppsala University, Sweden. Dr. Mirzaei, who earned his PhD in Mathematics from Amirkabir University, provided an in-depth exploration of the quantum formulation of nonlinear dissipative spin dynamics.



A central focus of the webinar was the introduction of a quantum analogue of the Landau-Lifshitz-Gilbert equation and its geometric foundations. To address the challenge of simulating these dynamics in the mixed-state regime—where exact solutions are broadly unavailable—Dr. Mirzaei presented the low-rank eigenmode integration (LREI) method. Following the technical presentation, which bridged the fields of quantum physics, materials theory, and structure-preserving numerical methods, the webinar hosted an interactive Q&A session.

The event concluded with remarks from President ECOSF, Prof. Seyed Komail Tayebi. He highlighted the Foundation's commitment to facilitating advanced scientific discourse and strengthening collaborative partnerships in mathematical sciences and computing across the region.

Virtual meeting between ECOSF and University of Isfahan



October 28, 2026- Prof. Seyed Komail Tayebi, President of the ECO Science Foundation (ECOSF), held a virtual meeting with Dr. Mohammad Amiryousefi, Advisor to the UI President and Director of the International Scientific Cooperation Office at the University of Isfahan (UI), Iran. The meeting focused on reviewing progress on the Memorandum of Understanding (MoU) between ECOSF and UI and discussing the development of an Inquiry-Based Science Education (IBSE) Centre at the University of Isfahan. The participants also explored the possibility of organizing an IBSE workshop in Pakistan or Azerbaijan to promote science education and strengthen regional cooperation.

The meeting also addressed ECOSF's role in facilitating collaboration between the University of Isfahan and universities across the Economic Cooperation Organization (ECO) region, with particular emphasis on bilateral cooperation between the UI and selected Pakistani universities. Potential areas of collaboration included student and faculty exchange programmes, scientific visits, joint academic events, and other collaborative initiatives. These activities aim to strengthen academic and scientific linkages, promote knowledge sharing, and enhance cooperation among higher education institutions across the ECO region.

ECOSF Hosts Young Digital Media Team to Discuss Youth Empowerment in the ECO Region

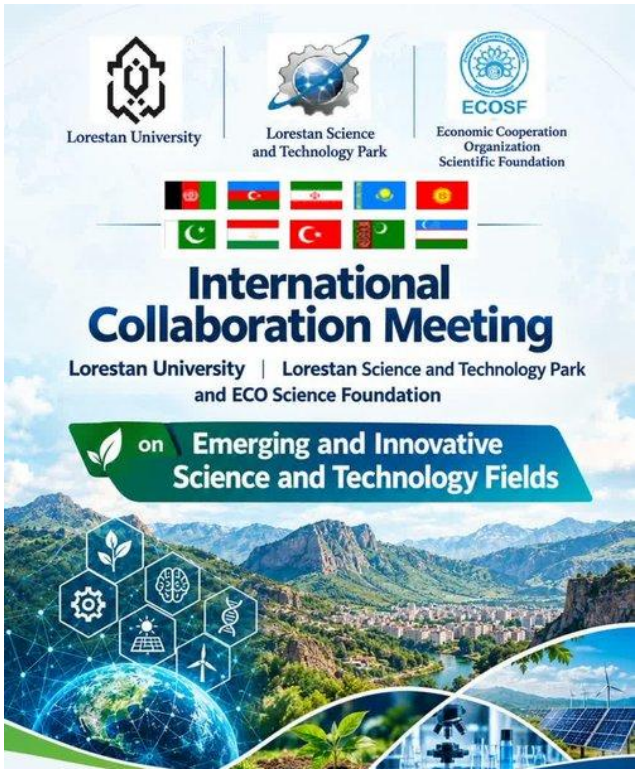


Islamabad, October 22, 2026. Mr. Talha Aslam, Digital Media Strategist, accompanied by his colleagues Ms. Amna Jabeen and Mr. Hamdan Ahmad, called on the President of the ECO Science Foundation (ECOSF). The discussion focused on youth empowerment through STEM education, climate literacy, entrepreneurship and skills development.

President Tayebi commended the team for their remarkable work in building the capacity of young people in Pakistan. Mr. Aslam expressed his appreciation for the meeting and requested opportunities for youth to gain exposure through regional engagements across the ECO region. Mr. Khalil Raza, Programme Manager for Energy and Climate at ECOSF also attended the meeting.

President ECOSF discusses possible cooperation with the Lorestan University, Iran

October 13, 2026- Prof. Seyed Komail Tayebi, President of the ECO Science Foundation (ECOSF), held a meeting with representatives of Lorestan University, Iran, to discuss potential areas of cooperation.



The meeting was attended by Dr. Hossein Hatami, Deputy for Research and Technology at Lorestan University; Dr. Mohammad Reza Sepahvand, President of the Science and Technology Park of Lorestan Province; Dr. Maryam Navidi, Coordinator for International Affairs under the Deputy for Research and Technology at Lorestan University; and relevant specialists and faculty members of the university. Discussions focused on organizing joint webinars, conferences, specialized workshops, and short-term training courses with the participation of scientific institutions from ECO member countries. The participants also explored opportunities to facilitate the admission of international students from ECO member countries, promote academic exchange opportunities for faculty members, and strengthen research collaboration in emerging fields, including quantum science, artificial intelligence, biotechnology, nanotechnology, and new energy technologies.



As an outcome of the meeting, it was agreed that two webinars on quantum science and nano-energy would be organized by faculty members of Lorestan University in collaboration with ECOSF-affiliated networks across ECO member countries. These initiatives are expected to strengthen scientific collaboration, facilitate knowledge exchange, and promote regional cooperation in science, technology, and higher education.

ECOSF Contributes to the ESG Reporting and Disclosure Training for Oil and Gas Professionals hosted by IBA CEE

Islamabad, October 31, 2026- Khalil Raza, Programme Manager for Energy and Climate ECOSF delivered a session on ESG Reporting and Disclosure as part of the Diploma in ESG offered by the Center for Executive Education (CEE), IBA Karachi. The session was held at the Oil & Gas Training Institute (OGTI), Islamabad for senior professionals from Pakistan's oil and gas sector, including OGDCL



The interactive session took participants through the end-to-end sustainability reporting process. Key areas covered included:

- Preparing a report using the International Financial Reporting Standards (IFRS) S1 and S2 and the Global Reporting Initiative (GRI) Standards.
- Materiality analysis; defining sustainability metrics and KPIs and assurance of sustainability disclosures.

Participants engaged actively through discussions and practical examples relevant to the energy sector, particularly as listed companies in Pakistan move towards mandatory IFRS sustainability disclosures under SECP's phased adoption.

Mr. Raza brought specialized expertise in climate disclosure and reporting to the session, as a GRI Certified Sustainability Professional and an FSA Level II candidate under the IFRS Foundation's Fundamentals of Sustainability Accounting (FSA) credential.

President ECOSF Attends the 103rd Anniversary Celebration of the Republic of Türkiye



Islamabad, October 29, 2026- The 103rd Anniversary of the Proclamation of the Republic of Türkiye was celebrated with a grand reception hosted at the Turkish Embassy Residence in Diplomatic Enclave, Islamabad, on October 29, 2026.

The event was hosted by the Ambassador of Türkiye to Pakistan, Dr. İrfan Neziroğlu, and his wife, Mrs. Emine Neziroğlu. The Prime Minister of Pakistan, Muhammad Shehbaz Sharif, attended the reception as the Chief Guest.

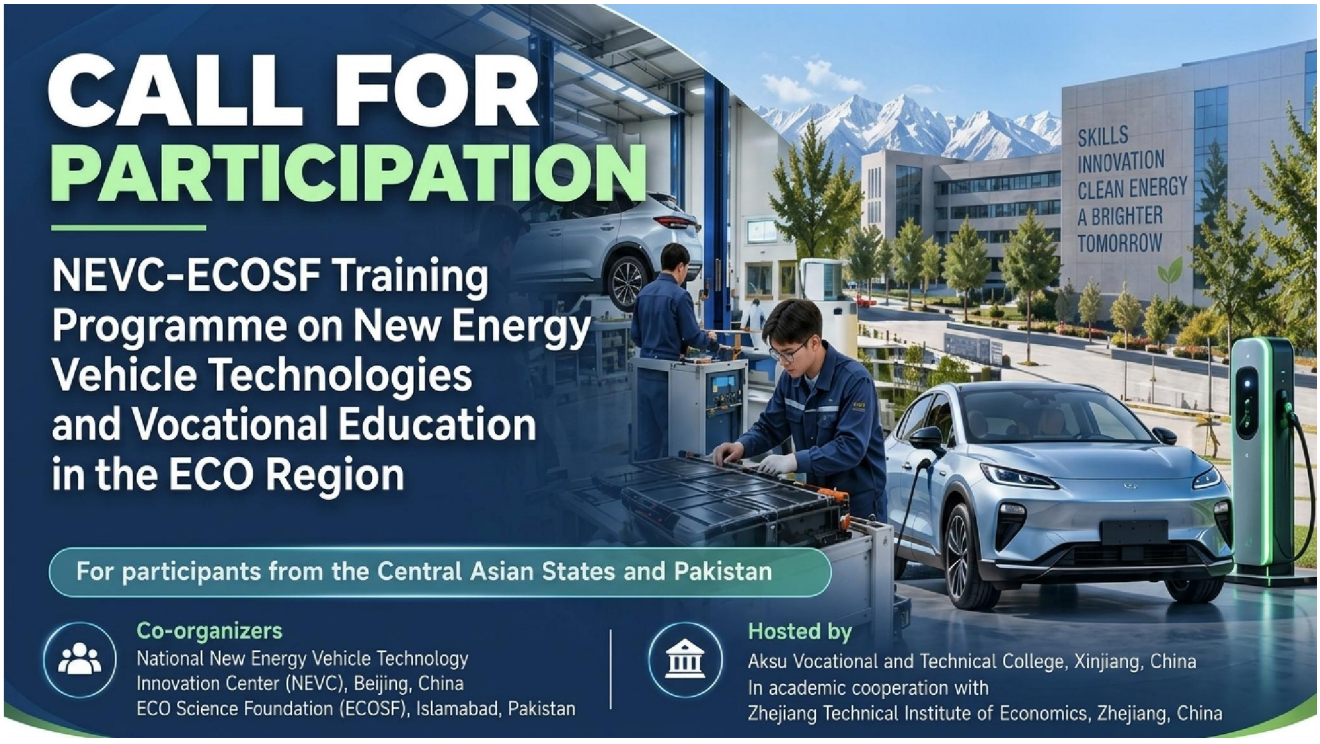
The event highlighted the longstanding brotherly relations between Pakistan and Türkiye, with the Prime Minister reaffirming the strong bilateral friendship and describing it as "two souls, one heart."

The Ambassador paid tribute to Gazi Mustafa Kemal Atatürk, the founder of the Republic of Türkiye, and highlighted Türkiye's vision for regional peace, strategic cooperation, and economic development.

Prof. Seyed Komail Tayebi, President of the ECO Science Foundation (ECOSF), also attended the celebration, which brought together senior government officials, diplomats, military representatives, and distinguished members of civil society. The celebrations included formal addresses, national anthems, and a cake-cutting ceremony.

Upcoming Events posted on ECOSF website and Facebook page

Call for Participation: NEVC–ECOSF Training on New Energy Vehicle Technologies in China



The ECO Science Foundation (ECOSF) and the National New Energy Vehicle Technology Innovation Center (NEVC), China, invite applications for the Training Programme on New Energy Vehicle Technologies and Vocational Education Cooperation in the ECO

Region. The programme is open to faculty members, government officials and NEV industry professionals from Iran, Azerbaijan, Kazakhstan, the Kyrgyz Republic, Tajikistan, Turkmenistan, Uzbekistan and Pakistan.

Training details

- On-site training: 7–11 December 2026
- Venue: Aksu Vocational and Technical College, Xinjiang, China
- Online training: Two days in mid-November 2026; exact dates will be announced
- Medium of instruction: English

Hosted by Zhejiang Technical Institute of Economics and Aksu Vocational and Technical College, the programme combines technical lectures, practical training, enterprise visits and professional exchanges. Topics include battery technologies, electric drive systems, intelligent driving, NEV supply chains, sales and after-sales services, and vocational education cooperation.

Who should apply? Applicants should be suitably qualified, no older than 45 years on the application deadline, possess a basic understanding of NEV technologies, have professional competency in English and be available for all seven training days.

Financial arrangements: The organizing partners will cover training fees, meals and twin-sharing accommodation during the programme. Participants or their nominating organizations must cover round-trip travel to China, visa fees, travel insurance and personal expenses.

Read more: https://ecosf.org/nevc-ecosf-training/

Invitation to Webinar 3: Science and Scientific Researchers

The ECO Science Foundation (ECOSF), in partnership with the UNESCO and COMSATS, is pleased to invite you to "Webinar 3: Science and Scientific Researchers." This event is the third session in the Webinar Series on Science, Ethics and Innovation, held under the International Decade of Sciences for Sustainable Development (2024-2033).

Event Details:

- **Date:** 24 November 2026
- **Time:** 10:00 am Pakistan time
- **Format:** Virtual (Microsoft Teams)

Webinar Highlights:

- The session will increase awareness of UNESCO's Recommendation on Science and Scientific Researchers (2017).
- Discussions will promote dialogue on scientific freedom, research integrity, and enabling research environments.
- The event aims to strengthen institutional partnerships, science diplomacy, and South-South cooperation.
- Distinguished speakers include international experts from Sudan, Saudi Arabia, Turkey, and Italy.

For an overview of the agenda, expected outcomes, and speaker lineup, please refer to the Concept Note.
Please register in advance using the online MS Teams link to secure your participation.
We look forward to welcoming you to this important dialogue.

For registrations and further details, please visit: https://ecosf.org/science-and-scientific-researchers/

Call for nominations: UNESCO-Al Fozan International Prize for the Promotion of Young Scientists in STEM



The UNESCO-Al Fozan International Prize for the Promotion of Young Scientists in Science, Technology, Engineering and Mathematics (STEM) will foster collaboration, advancement and popularization of science and international cooperation to advance scientific expertise globally and meet the needs of young scientists in countries that are lagging behind in science and technology.

This Prize gives recognition to the achievements of young people that are conducive to socio-economic transformation and development on a global scale. Its purpose is to encourage youth participation in STEM, in particular women and girls, so as to promote gender equality, scientific literacy and the choice of a scientific career. It is awarded every two years to five laureates from the five geographic regions of UNESCO (Africa, Arab States, Asia and the Pacific, Europe and North America and Latin America and the Caribbean).

The deadline for submission of nominations: 30 November 2026.

Registration link: https://apply.unescoalfozanprize.org/register Read more: https://unescoalfozanprize.org/

Call for Nominations for the 4th International Muallem Prize

The International Muallem Prize held annually by the Borhan Foundation, which is a non-profit and public entity, along with sponsors invites the nomination of suitable candidates. The goal of the award is to recognize and honor and value significance of teachers in development of nations and society.

Eligibility: Teachers, instructors, and mentors working in the field of education and upbringing of individuals under 18 can be nominated for the Muallem Prize. The audience of this prize includes school teachers, welfare mentors, kindergarten educators, institute instructors, educational mentors of schools or mosques, and in fact, all teaching roles in the public, private, and community sectors.

Registration deadline: November 21, 2026
Read more: https://muallemprize.ir



Join ECOSF and other partners in Celebrating the World Science Day 2026 (By invitation only)

