

COSPAR Capacity Building Activities

15 avril 2026

Deadline for COSPAR Capacity Building workshop proposals: 31 May 2026

Due to the growing number of proposals submitted for COSPAR Capacity Building Workshops in space sciences, COSPAR will introduce a **fixed submission deadline** and a **competitive review process**.

The **first deadline for proposals for workshops to be held in 2027 is 31 May 2026**. The conditions for submitting a proposal are explained below, but questions and enquiries are welcomed at any time.

Carlos Gabriel, COSPAR Panel on Capacity Building

- COSPAR organizes a series of capacity building workshops with various partners in order to convey practical knowledge in areas of interest to COSPAR and to build lasting bridges between scientists, taking into account the principles set out in its **Statement of Principles**. For information about the workshop objectives, scientific programs, funding, practical requirements, and how to submit proposals, please see the **Capacity Building Workshop guidelines** and the **application form**. Workshops held to date or in the organizing stages are listed below.
- To enable young scientists who have been participants of one of the COSPAR Capacity Building workshops to build on skills gained, the Committee also organizes fellowships. This program provides for visits of 2-4 weeks duration for the purpose of carrying out joint research at laboratories which collaborate with COSPAR for this project. Please see the description of the **Fellowship Program** for more information.
- COSPAR is also establishing a new Capacity Building program through collaboration in the area of small satellites (Small Sats). Institutes / Universities in developing countries which are interested in developing small satellites through the establishment / expansion of a local laboratory may join the project. **Program description and application**.

COSPAR Capacity Building Workshops and Related Activities:

- **Earth-affecting Solar Transients**, Egypt, 31 August – 11 September 2026
- **Mineral and Material Sciences for Space Exploration**, Nairobi, Kenya, 21 September – 2 October 2026
- **Geodesy for a Resilient Africa: Empowering Solutions for Floods, Droughts, Sea-Level Rise, Water Scarcity, and Fisheries Sustainability**, Cameroon, 29 June – 03 July 2026

- PORSEC/COSPAR Workshop on **Satellite data for Assessing Climate Change Impacts on Marine and Coastal Environments**, Rabat, Morocco, 23 June – 01 July 2026
- United Nations/Costa Rica/COSPAR Workshop on **Machine Learning applied to Space Weather and Global Navigation Satellite Systems (GNSS)**, Costa Rica, 16 – 20 February 2026
- **ASTRAL-X: Advanced Spectral-Timing Polarimetry, and High-Resolution Spectroscopy X-ray School for Latin America**, La Plata, Argentina, 1 – 12 December 2025
- **African Space Hydrology Capacity Building Workshop “AfrHySpace”**, Kribi, Cameroon, 17 – 29 November 2025
- **A Hands-on Workshop with JWST and UVIT: “Galaxies on a Resolved Scale”**, Bangalore, India, 20 – 31 October 2025
- ICTP-UNOOSA-COSPAR Capacity Building Collaboration on **The International Reference Ionosphere and NeQuick – Improving the Representation of the Real-Time Ionosphere**, Trieste, Italy, 29 September – 10 October 2025
- **PORSEC Capacity Building Tutorial and Conference**, Keelung, Taiwan, 18-26 April 2025
- **IRI 2024 Workshop, International Reference Ionosphere: Modeling the ionosphere over Africa and improvements of the International Reference Ionosphere**, 2 – 13 September 2024, Kilifi, Kenya
- **Coronal and Interplanetary Shocks: Analysis of SOHO, STEREO, SDO, Wind, and ground-based radio data**, 19 – 30 August 2024, Samarkand State University, Uzbekistan, **first announcement**
- **I-HOW COSPAR Workshop 2024, a New Era of High-Resolution X-Ray Spectroscopy**, 19 – 30 August 2024, Fudan, China
- **COSPAR PCB/I-HOW CB Workshop “JWST Data Analysis and Processing Workshop (South East Asia),”** 24 June – 5 July 2024, Chiang Mai, Thailand
- **International Reference Ionosphere: Improved Real-Time Ionospheric Predictions with Data from Spaceborne Sensors and GNSS**, 8 – 19 May 2023, Daejeon, South Korea
- **X-ray Astrophysics Data Analysis**, 6 – 17 February 2023, Potchefstroom, South Africa
- **Data analysis for Planetary Sciences**, 16-27 January 2023, Antofagasta, Chile
- **Pan-Ocean-Remote-Sensing-Conference Tutorial**, 3-6 December 2022, Johor Bahru, Malaysia
- **CRTS-COSPAR Workshop on Oceanography**, 12 – 16 September 2022, Rabat, Morocco. **NEW: Presentation Note / Agenda**
- **Coronal and Interplanetary Shocks: Analysis of Data from Space and Ground-based Instruments**, 6 – 17 January 2020, Kodaikanal, India
- **Principles and Practices of Nano-satellite Engineering**, 28 October – 1 November 2019, Tel-Aviv, Israel
- **International Reference Ionosphere – Improving Real-time Ionospheric Modelling in the European and African Sector**, 2 – 13 September 2019, Nicosia, Cyprus
- **Broadband Spectral and Timing Studies with AstroSat, Chandra and XMM-Newton**, 9 – 20 March 2019, Mohali, Punjab, India

- **Space Weather Capacity Building Workshop**, 17 – 28 September 2018, Sao Jose dos Campos, Sao Paulo, Brazil. **Deadline for application: 31 May 2018 – 23h59 BRT (UT- 3).**
- **Coronal and Interplanetary Shocks: Data Analysis from SOHO, Wind, and e-CALLISTO Data**, 21 May – 1 June 2018, Mekelle, Ethiopia
- **Infrared and Sub-millimeter Astrophysics Data Analysis**, 5-16 March 2018, Quito, Ecuador
- **International Reference Ionosphere 2017 Workshop: Improved Real-time Ionospheric Predictions with COSMIC and other GNSS Data**, 6 – 17 November 2017, Taoyuan City, Taiwan, China
- **Small Satellites, Big Sciences**, 10 – 17 September 2017, Daejeon, South Korea
- **Interdisciplinary Remote Sensing, Modeling and Validation of Environmental Processes**, 12-23 June 2017, Kumasi, Ghana
- **Latin American X-ray School for Different Astrophysical Scenarios**, 20 February – 3 March 2017, Viedma, Argentina
- **Impact of Space Weather on Earth**, 15 – 26 August 2016, Paratunka, Kamchatka, Russia
- **Crystallography for Space Sciences**, 17-29 April 2016, Puebla, Mexico
- **International Reference Ionosphere 2015 Workshop, Improved Accuracy in the Equatorial Region and Progress toward a Real-time IRI Model**, 2 – 13 November 2015, Bangkok, Thailand
- **Planetary Missions Data Analysis**, 26 October – 6 November 2015, Guaratinguetá, São Paulo, Brazil
- **Earth Observation of Transboundary Water Resources**, 26 October – 6 November 2015, Ho Chi Minh City, Vietnam
- **Advanced School on X-ray Astrophysics – Data Analysis of the XMM-Newton, Chandra, and Suzaku Missions**, 17 – 28 November 2014, Ensenada, Mexico
- **Satellite Remote Sensing, Water Cycle and Climate Change**, 20 – 31 July 2014, Tver, Russia
- **Matching Oceanographic Problems of the Indonesian Seas (ITF) to the Right Data Sets and Models**, 13 – 22 January 2014, Bandung, Indonesia
- **Atmospheric Correction of Earth Observation Data for Environmental Monitoring: Theory and Best Practices**, 4 – 8 November 2013, Bangkok, Thailand.
- **High-Energy Astrophysics: An Advanced School for Asian Astronomers**, 2-13 September 2013, Nanjing, China

Press Release: Rare magnetar discovered in the vicinity of a supernova remnant: A team of astronomers led by the PhD student Ms. Ping Zhou from the University of Nanjing in China discovered a new transient magnetar. This magnetar, the ninth of its class, was identified during this COSPAR Capacity Building Workshop for young researchers in developing countries.

- **Infrared and Submillimetre Astronomy**, 15 – 26 October 2012, Buenos Aires, Argentina
- **Remote Sensing of Global Water Circulation and Climate Change**, 3 – 14 September 2012, Beijing, China: [press release](#), 3 September 2012
- **Advanced Land Surface Characterization**, 10 – 20 October 2011, Cape Town, South Africa
- **Data Analysis of the XMM-Newton, Chandra, and Suzaku X-ray Missions**, 25 July – 5 August 2011, San Juan, Argentina

- **Remote Sensing of Atmospheric Aerosols and Their Impacts**, 2 – 16 January 2011, Sharda Univ., Greater Noida, India
- **Earth Observation Understanding of the Water Cycle**, 1 – 12 November 2010, Fortaleza, Brazil
- **Data Analysis of the Fermi Gamma-Ray Space Telescope**, 8 – 19 February 2010, Bangalore, India
- **Lunar and Planetary Surface Science**, 6 – 19 September 2009, Harbin, China
- **Regional Workshop on Space Optical and UV Astronomy**, 1 – 14 June 2008, Kuala Lumpur, Malaysia
- **Regional Workshop on Space Astrophysics with the Swift, Chandra, and XMM/Newton Missions: A High-Energy Data-processing School for Young Physicists and Astronomers from North Africa and the Middle East**, 19 January – 1 February 2008, Alexandria, Egypt
- **Regional Workshop on Planetary Science**, 23 July – 3 August 2007, Montevideo, Uruguay
- **Regional Workshop for Space Physicists from Central and Eastern Europe: Solar-Terrestrial Interactions: Instrumentation and Techniques (STIINTE)**, 4 – 16 June 2007, Sinaia, Romania
- **Regional Workshop for African Oceanographers: Ocean Remote Sensing: a Tool for Ocean Science and Operational Oceanography**, 19 – 30 September 2005, Rabat, Morocco
- **Regional Workshop for African Astronomers and Space Scientists: Data Processing from the Chandra and XMM-Newton Space Missions: An Advanced School for Multi-wavelength Astrophysics**, 28 June – 9 July 2004, Durban, South Africa
- **Regional Workshop for Space Physicists from South-East Asia: Analysis of Data from Multisatellite Magnetospheric Missions**, 3 – 14 May 2004, Beijing, China
- **Regional Workshop for Asia-Pacific Astronomers: Data Processing from the Chandra and XMM-Newton Space Missions: An Advanced School for Astronomers Working at all Wavelengths**, 13 – 24 January 2003, Udaipur, India
- **Regional Workshop for Latin American Astronomers: Data Processing from the Chandra and XMM-Newton Space Missions: An Advanced School for Astronomers Working at all Wavelengths**, 4 – 13 December 2001, São José dos Campos, SP Brazil

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