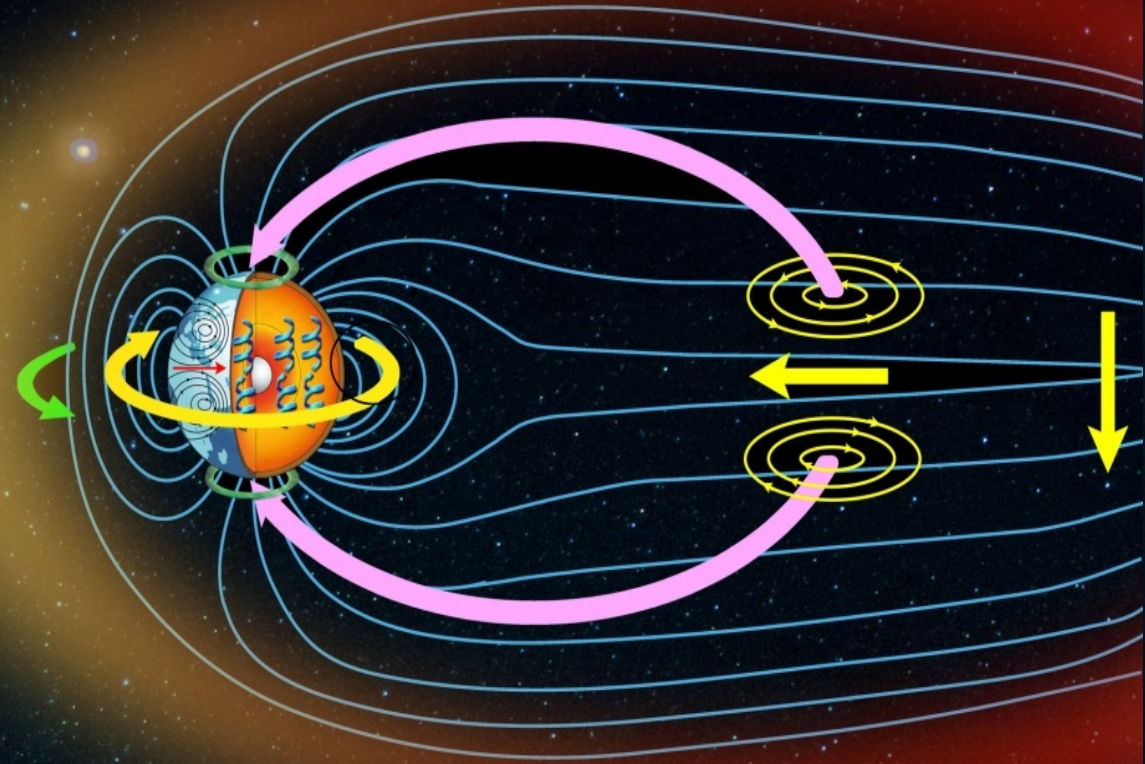


ISWI - SCOSTEP

International School on Space Weather

05 - 09 January 2026



A brief report

International Space Weather Initiative (ISWI)

A program of international cooperation to advance the space weather science



ISWI

International Space Weather Initiative

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About ISWI

About ISWI

History

Objectives

The **International Space Weather Initiative (ISWI)** is a program of international cooperation to advance the space weather science by a combination of instrument deployment, analysis and interpretation of space weather data from the deployed instruments, in conjunction with space data, and to communicate the results to the public and students. ISWI is a follow-up activity to the successful **International Heliophysical Year (IHY 2007)**, but focusing exclusively on space weather.

The goal of ISWI is to develop the physical insight necessary to understand the science, and to reconstruct and forecast near-Earth space weather. This includes instrumentation, data analysis, modeling, education, training, and public outreach.

Scientific Committee on Solar-Terrestrial Physics (SCOSTEP)

A thematic body of the International Science Council (ISC)



Scientific Committee on Solar-Terrestrial Physics

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Read the Statement by the International Science Council and endorsed by SCOSTEP on Safeguarding and enhancing international scientific collaboration for climate action [here](#)

Read the Declaration by the Scientific Committee on Solar-Terrestrial Physics on the Crisis in Ukraine [here](#)

The Scientific Committee on Solar-Terrestrial Physics (SCOSTEP) is a



ISWI/SCOSTEP capacity building events in the past

- ❑ The SCOSTEP-ISWI International School on Space Science September 15–24, 2014, Lima, Peru
- ❑ SCOSTEP-ISWI International School on Space Science, held from 07–17 November 2016, organized by Smt. Kasturbai Walchand College, Sangli, Maharashtra, India
- ❑ ISWI International Workshop on Space Weather: Science and Applications, held on 02–03 November 2021, organized by the Space Physics Laboratory (SPL), VSSC, ISRO, Trivandrum. India (Virtual)
- ❑ Iberian Space Science Summer School – i4s, 26-30 July 2021 (virtual event).
- ❑ ISWI Space Weather School – Zambia 2023, 26-30 September 2023, Lusaka, Zambia.
- ❑ United Nations Workshop on the International Space Weather Initiative: The Way Forward, 26 – 30 June 2023, Vienna, Austria
- ❑ ISWI-SCOSTEP School and Workshop on Predictability of the Solar-Terrestrial Coupling, , 29 May - 2 June 2023, ICTP, Triesty, Italy.
- ❑ ISWI School on Space Science, 10 - 20 September 2024, Nepal Physical Society, Nepal.
- ❑ **ISWI-SCOSTEP International School on Space Weather, 05 – 09 January 2026, Indian Institute of Geomagnetism, Mumbai, India**

ISWI-SCOSTEP International School on Space Weather

5 – 9 January 2026

Indian Institute of Geomagnetism

- ❑ The Capacity Building program to train next generation Space Weather researchers
- ❑ Target Participants : Masters, Ph.D students and early career researchers
- ❑ A series of lectures

- ❖ Solar interior processes
- ❖ Solar transient events: Solar Flares, CMEs, CIRs
- ❖ Solar wind – Magnetosphere Interactions
- ❖ Magnetospheric current systems
- ❖ Ionospheric current systems
- ❖ Space weather impacts: Communication outages, GICs and Satellite drag and re-entry

Chain of processes



Hands-on training sessions

Providing participants with practical experience in data analysis, model simulations, and working with real space weather datasets

Smaller groups of participants - One-to-one interaction with the lecturers

Nearly 40 hands-on training sessions



Lecture Notes - ISWI 2026

Speakers & Lecture Materials

Speaker	Lecture Files
Prof. K. Shiokawa	<ul style="list-style-type: none">• https://drive.google.com/drive/folders/1-sp9HStT93JOIrZnkPZvuINsvsQ2jDHU
Dr. Nat Gopalswamy	<ul style="list-style-type: none">• https://drive.google.com/drive/folders/1dJr2VxTIFLkAOI1GHnArhEoT-zY3_v91
Dr. Denny Oliveira	<ul style="list-style-type: none">• https://drive.google.com/drive/folders/1ryJnCsT8IM5U14BujP-zJEtY0G4k6ALV• https://drive.google.com/drive/u/0/folders/1VXbAuEFUoYziUAhS_jmSNVOjekHuTmV8
Dr. Reetika Joshi	<ul style="list-style-type: none">• https://drive.google.com/drive/folders/1YFIEKBdSroFOccKrCLai6AJYa8QX0OnA• JHelioviewer
Prof. Delores Jane Knipp	<ul style="list-style-type: none">• https://drive.google.com/drive/folders/1CvRUIO8ug3EairkWK7stsXpKMeiFMkKK• Real Time Model of the Ionospheric Electric Fields
Prof. Ramon Lopez	<ul style="list-style-type: none">• https://drive.google.com/drive/folders/1cx5Ovfk0AWZplgdYmj9QGk6XWrXrzCEY
Prof. S. Tulasiram	<ul style="list-style-type: none">• https://drive.google.com/drive/folders/1_pQd_hvp3SP8RJa6UqakJjV849utifGs
Prof. S. P. Rajaguru	<ul style="list-style-type: none">• https://drive.google.com/drive/folders/1PS6m4vPxf1mwa2yjlvcVIJ4d3rpA4Ps• https://drive.google.com/drive/folders/1yfy4-rCWIMec83LCi4DoJfl0o-MzpHsw

Participation

International : 31 from 18 different countries

(Egypt, Russia, Uganda, Indonesia, Czech Republic, Cote d'Ivoire, UK, Nigeria, Mexico, Brazil, Ethiopia, Malaysia, Thailand, Kenya, China, Nepal, USA, Japan, Norway)

Indian : 50 from 24 different universities/institutions



Participants with lecturers





Inaugurated by Dr. M. Ravichandran, Secretary, MoES



Thank You ...