



Scientific Committee on Solar-Terrestrial Physics
3 December 2024 – 1300-1600 UT via online (zoom)

Bureau Meeting Minutes: approved by the Bureau on 02 May 2025

Attendees (Bureau members): Kazuo Shiokawa (President), Bernd Funke (Vice President), Nat Gopalswamy (Past President), Peter Pilewskie (IAMAS), Jorge Chau (URSI), Yoshizumi Miyoshi (COSPAR), Valery Nakariakov (IAU), Cristina Mandrini (IUPAP), Lucilla Alfonsi (SCAR), Renata Lukianova (IAGA), Mamoru Ishii (WDS),

Attendees (non-Bureau members): Ramon Lopez (PRESTO chair) only for the PRESTO part of the meeting

Non-Attendees (non-Bureau members): Keith Groves (Scientific Secretary)

Note: All the Bureau members are attended. Thus, a majority quorum was achieved.

Opening remarks by President (Kazuo Shiokawa)

The meeting was opened with a welcome from Kazuo. Kazuo showed the agenda of the meeting, which contains 10 discussion items and 10 report items. He estimated the meeting to last approximately 3 hours.

1. Approval of the Minutes from the last Bureau Meeting (held on 21 December 2023).

Kazuo provided a copy of the 2 July 2024 Bureau minutes in advance of the current meeting on 24 November 2024. He invited discussion of the minutes, but no discussion/correction was proposed. Nat then moved to approve the minutes and Jorge Chau (Koki) seconded. The minutes were then unanimously approved by all the Bureau members.

2. Action Items

Updates of the action items from the last Bureau meeting on 2 July 2024 are reviewed, as shown in Table 1. “Done” marks indicate the items that have been completed.

Table 1: Update of Action Items

Action Items defined during the meeting are shown with the responsible member for the action				
P: President, VP: Vice President, PP: Past President, SS: Scientific Secretary, B: Bureau Members; others will be identified by name.				
SDR selection				
Action	1	done	P, SS	Ask votes by Bureau members to select new SDRs to adjust imbalance of the SDRs

Action	2	done	P	invite the candidates to new SDR
Next Science Program (NSP) committee formation				
Action	3	done	P, VP	October 2024: 2nd face-to-face NSP meeting at INGV, Italy
Action	4	on going	P, VP	December 2024: summarizing the white paper of the next program
Officer Nomination Committee				
Action	5	done	P	make a list of candidates of ONC
Budget				
Action	6	done	SS	Prepare invoice for the annual fee 2024
STP-16 preparation				
Action	7	done	P	Update of the STP-16 preparation
Award				
Action	8	done	P, VP, SS	Prepare award ceremony and online seminar for SCOSTEP 2024 Awards
Fellow Procedures				
Action	9	on going	SS, P	Announce and Selection of SCOSTEP Fellows 2024
PRESTO updates				
Action	10	done	P, SS	Plan the final PRESTO meeting in fall 2024
Action	11	done	P, SS	Call for PRESTO funding 2025
SVS program 2025				
Action	12	done	P	Announcement of SVS opportunity 2025 on October 1, 2024, with a deadline of 15 February 2025
UN COPUOS STSC				
Action	13		P	Apply to the UN COPUOS STSC for SCOSTEP Presentation
ISC General Assembly				
Action	14	done	P, VP, SS	Prepare ISC General Assembly on Jan 26-30, 2025 at Muscat, Oman.
SCOSTEP comic book updates				
Action	15		SS	Print new comic books for distribution at UNCOPUOS STSC in February 2025
Next Bureau meeting				
Action	16	done	SS	Schedule the next Bureau meeting of November 11, or December 2 weeks and Dec.16
Action	17		SS, VP	Schedule the next-next Bureau meeting (in person) at EGU2025 (April 27-May 2, 2025 in Vienna, Austria)
Others				
Action	18	done	SS, P	Prepare draft minutes of the Bureau meeting of 2 July 2024 and send to the Bureau for approval

3. PRESTO updates

Ramon Lopez introduced the updates of the PRESTO activity. Final PRESTO Workshop was held at Mackenzie University in Brazil and 97 participants from 22 countries were joined. Discussion was made on the possibility to make a summary issue from the workshop.

Then the overall five-year PRESTO activities in 2020-2024 were reviewed. The PRESTO officers (chair, two co-chairs and 2-3 co-leaders of three Pillars) were slightly changed during the five years. The SCOSTEP/PRESTO Newsletter were issued in total of 20 volumes from vol.22 (2020.1) to 41 (2024.10) containing 53 articles from 20 countries/regions, 45 highlight of young scientists from 16 countries, 40 meeting reports from 23 countries, and 43 short news from 10 countries. PRESTO logo was decided through a logo contest in April 2020. PRESTO website was developed at <https://scostep.org/presto/> under the SCOSTEP website. Due to COVID-19 pandemic, PRESTO online seminar series was initiated and 25 seminars were held so far. Announcement of opportunity for the PRESTO financial support were made every year and for the 5-year duration of the PRESTO program, 36 meetings including PRESTO2023, PRESTO2024, 14 databases and one campaign observation were supported under the PRESTO program. The number of registered e-mail addresses in the scostep-all mailing list kept increasing from 1112 at the beginning of PRESTO (transferred from the VarSITI mailing list) to 2825 from more than 70 countries.

Finally a possibility to organize a PRESTO summarizing workshop by the PRESTO officers is discussed with a support of ISEE, Nagoya University.

4. Updates of the new SDR selection

Kazuo reviewed the current status of this issue. After the vote by the Bureau and the invitation from Kazuo to the selected candidates, 15 Scientific Discipline Representatives (SDRs) were newly assigned from 2024 as below. The total number of current SDRs is 56.

Table 2: New SDRs Assigned in 2024

NAME	YEAR	COUNTRY/REGION	DISCIPLINE
Yoav Yair	2024	Israel	Atmosphere
Chia-Hsien Lin	2024	Taiwan	Solar Physics
Kinfe Teweldebrhan	2024	Ethiopia	Solar Physics
Spiros Patsourakos	2024	Greece	Solar and Heliospheric Physics
Barbara Matyjasiak	2024	Poland	Space Weather
Astrid Veronig	2024	Austria	Solar and Heliospheric Physics
Ayman Mahrous	2024	Egypt	Space Weather
Veronika Barta	2024	Hungary	Space Weather
Jean Uwamahoro	2024	RWANDA	Space Weather
Hannah Schunker	2024	Australia	Solar Physics
Alina Donea	2024	Australia	Solar Physics
Tulasi Parashar	2024	New Zealand	Heliospheric Physics
Ian Mann	2024	Canada	Space Weather
Ivan Dorotovič	2024	Slovak Republic	Solar Physics

Teimuraz Zaqarashvili	2024	Georgia	Solar and Heliospheric Physics
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5. SCOSTEP Officer Nomination Committee for President/Vice President election

In the last Bureau meetings, the Bureau approved the by-laws for the SCOSTEP Officer Nomination Committee (ONC) to ensure sufficient nominations of candidates for the SCOSTEP Officers, namely, President and Vice President. The candidates of ONC members were listed and five candidates were selected considering the balance of the field, country/region, and gender. Kazuo will send invitation to these candidates by the next Bureau meeting.

6. Budget

Although the Scientific Secretary, Keith Groves, could not attend this Bureau meeting, he prepared three tables which are discussed during the meeting. (1) The closing statements of 2022 and 2023 of SCOSTEP Budget and the statement up to 2 December 2024. These statements show that SCOSTEP is in good financial order with steady flow of income and stable and anticipated expenses. Cash balance is slowly decreasing to expend surplus accrued during pandemic. Then (2) the table of SCOSTEP budget details 2024 (expected & actual) and planned 2025 are shown. Expenses in 2024 increased as travel and meeting support grew, but membership dues kept pace. Finally (3) current list of membership fees for all National Adherents is also reviewed. Reminder will be sent to the un-paid NARs.

7. Membership committee report

Mamoru Ishii (chair of the membership committee) briefly reviewed the list of identified countries with solar-terrestrial activities with possible contact person for membership invitation. Efforts to invite additional nations to join SCOSTEP should be continued through this committee. A SCOSTEP membership flyer is available on the SCOSTEP website at <https://scostep.org/membership/>.

8. NSP committee updates and procedures to assign officers of the next program

Kazuo reviewed the current status of the SCOSTEP's Next Scientific Program (NSP) committee. The NSP committee has identified the next program as "COURSE: Cross-Scale Coupling Processes in the Solar-Terrestrial System" for the five years of 2026-2030. It has three Focus Areas, i.e., FA1: Sources of Space Weather and Space Climate, FA2: Solar Wind, Magnetosphere, and Ionosphere Coupling, and FA3: External Impacts on and Internal Dynamics of the Earth Atmosphere. Various overarching topics among these FAs are also identified, such as extreme events, processes, observations/mission, and modeling efforts as well as impacts. Then a possible time schedule is shown. In January 2025, the NSP committee will distribute a summary report on the new program in the SCOSTEP/PRESTO newsletter. In February-April 2025, nomination of candidates of the officers of new program will be made by the Bureau, NARs, and SDRs. In the next bureau meeting, candidates of the officers will be fixed and sending invitations will be started.

9. Plan for the next General Council meeting

Kazuo reviewed the past General Council meetings which have been held every two years (odd years), mostly during the IUGG/IAGA meetings except for the time of STP-15 in 2022. The Bureau

agreed to have the next General Council meeting at Lisbon, Portugal, during the IAGA-IASPEI 2025 meeting on August 31 to September 5, 2025. Kazuo will make announcement of the General Council meeting to the NARs and SDRs.

10. Honoring of solar-terrestrial physics outreach activities

Kazuo introduced a comment from Dr. Wing Ip that SCOSTEP may need to consider to have a prize or an award for space science outreach, because science education is very important for the next generation. Bureau members pointed out that similar outreach prize and grant are available in IAU and IAGA, respectively. Kazuo will search similar activities in other organizations and propose some ideas at the next Bureau meeting.

Up to this point, the 10 discussion items are finished. Then, Bureau browsed the 10 report items, particularly updates from the previous Bureau on 2 July 2024, as below.

11. Updates from participating bodies (COSPAR, IAGA, IAMAS, IAU, IUPAP, SCAR, URSI, WDS)

COSPAR (Yoshizumi Miyoshi): Several task groups and panels related to SCOSTEP are active.

System of the systems is a key word in a task group. COSPAR COE is established. COE Activity of cubesat and space innovation are on-going. COSPAR's first satellite is a 3U cubesat. Next COSPAR symposium will be at Cyprus on 3-7 November 2025. The 46th COSPAR General Assembly will be at Florence, Italy, on 1-9 August 2026.

IAGA (Renata. Lukianova): IAGA-IASPEI Joint Scientific Meeting 2025 will be held in August 31 - September 5, 2025, in Lisbon, Portugal. Website is available at <https://iaga-iaspei-2025.org/>. Submission abstract and travel grant is available. Opportunity of funding outreach activities is also available with a maximum of \$5000 and one project per year.

IAMAS (Peter Pillewskie): 2025 Joint Assembly IAMAS/IAPSO/IASI will be held in Busan, Korea, on 20-25 July 2025. There are many SCOSTEP-related activities on sun-atmosphere-climate. Sun-Climate symposium will be held in Fairbanks, Alaska, at the end of March to first week of April, 2025. SCOSTEP hopefully support it through the PRESTO opportunity.

IAU (Valery Nakariakov): The IAU General Assembly will be held in 2027. IAU accepts proposals for the IAU symposia. About 8 symposia will be held in 2025. The symposia #400 in 2025 is about solar-stellar multi-scale activities which will be held in Colombia in July with emphasis of plasma physics.

IUPAP (Cristina Mandrini): ICIRC will be held in 15-24 July 2025, at Geneva, Switzerland. The registration and abstract submission will open on 16 December 2024.

SCAR (Lucilla Alfonsi): AGATA Scientific Research Programme (SRP) was approved by the SCAR delegated in August 2024 at Punta Arenas, Chile. AGATA will start on January 2025. On 26-28 March 2025, AGATA KOM will be held via online. AGATA will last till 2032 (maximum 8 years, landing to the next International Polar Year (IPY)).

URSI (Jorge Chau): Keith Groves, SCOSTEP Scientific Secretary, became the Commission G chair. MST workshop (sponsored by URSI and SCOSTEP) was well attended workshop and

school. Next meeting will be USRI Australia in August 2025. Next General Assembly will be in August 2026 in Poland.

WDS (Mamoru Ishii): WDS action plan 2022-2024 is finishing. It has been creating trusted communities of scientific data repositories. WDS Scientific Committee is formed by wide field scientists and not many come from the STP field. Forty-two MOUs are renewed. WDS opened new office and newsletter. WDS made a delphi study to identify the top 10 value-added benefits that data repositories provide, like near-real time access, data quality assurance, rare dataset access, etc.

12. SCOSTEP Award 2024

The year 2024 is for Distinguished Scientist Award and Young Scientist Award. Many candidates were nominated by the deadline of 30 June 2024. The numbers of candidates are reduced into three each by the Award Nomination Committee. The final selection was made by the Award Selection Committee. The SCOSTEP 2024 Distinguished Scientist Award is given to Professor Jie Zhang in George Mason University, USA. The SCOSTEP 2024 Distinguished Young Scientist Award is given to Dr. Man Hua in UCLA, USA. The Award Ceremony and Seminar were held via online.

Kazuo also noted that candidates are nominated for the SCOSTEP Fellow 2024. Selection is on-going by the Award Selection Committee.

13. Scientific Secretary Office updates

No new updates from the Scientific Secretary Office. Discussion on the possibility of moving the SCOSTEP Secretariat has been continued.

14. STP-16 preparation updates

The next Solar-Terrestrial Physics symposium (STP-16) venue was decided to be held in Makedonia Palace Hotel in Thessaloniki, Greece, on 1-5 June 2026 with an LOC chair of Dr. Ioannis Daglis. Some timelines are discussed. The Scientific Organizing Committee (SOC) will be formed in July-September 2025 after fixing the officers of the new SCOSTEP program COURSE. The registration and abstract submission will start from October 2025 with a deadline of 10 January 2026.

15. Updates of ISC, UN_STSC, UN_COPUOS, and ISWI activities

Regarding the International Science Council (ISC), the 3rd ISC General Assembly will be held in 26-30 January 2025 in Oman Convention & Exhibition Centre, Muscat, Oman. A session between all Affiliated bodies with ISC will be held on 29 January 2025, 0900-1300 LT as an internal meeting of the ISC Affiliated Bodies (category 4 Members). Kazuo will join this meeting.

Regarding United Nations Committee on the Peaceful Uses of Outer Space (UNCOPUOS), the 67th session of COPUOS was held from 19 to 28 June 2024 in Vienna, Austria, though SCOSTEP did not make presentation. The 62th session of the Scientific and Technical Subcommittee (STSC) of UNCOPUOS will be held in 3-14 February 2025 in Vienna, Austria. Kazuo will join this STSC session to make presentation on the updates of SCOSTEP activities.

Regarding the ISWI activities, an ISWI Steering Committee meeting will be held in Vienna on 7 February 2025 during the UNCOPUOS STSC meeting. Two ISWI meetings were held in 2024

(IAU Klakow Poland on May 2024 and ISWI-UN Workshop in Germany on 10-14 June 2024). ISWI School in Nepal were held on 16-24 September 2024 with organizers of Nepal Physical Society. ISWI school 2025 has not yet been decided. UN-ISWI schools are planned as 20-25 October 2025 in Nigeria and 2026 in South Korea.

16. School activities supported by SCOSTEP

Nine schools were supported by SCOSTEP in 2024 and two schools are planned in 2025. The list of these 11 schools in 2024-2025 is reviewed. It is suggested to support more amount to the ISWI school, because it becomes joint activity (co-sponsor) with SCOSTEP.

17. SCOSTEP online capacity building lectures

The current status of the lectures was reviewed. No new lecture was held after 25 January 2024. Joint activity with the ISWI online seminar is discussed.

18. SCOSTEP Visiting Scholar (SVS) updates

In 2024, 19 proposals have been accepted for the SVS program and the support of these 19 students is on-going. The announcement of opportunity for SVS 2025 has already been made with a deadline of 15 February 2025.

19. SCOSTEP comic book updates

A new comic book on Space Weather has been released in 2023. Total ten comic books are opened on the SCOSTEP website. Several copies of the comic books will be distributed at the UN COPUOUS meeting in Vienna, Austria on February 2025. Bubble version of these comic books was also provided to SCOSTEP for translation to other languages. Kazuo noted that another comic book on C¹⁴ chronology is under preparation.

20. Other topic: Next Bureau meeting

Kazuo noted that the next Bureau will be held in a hybrid style of on-site and online during the EGU2025 meeting in Vienna on 27 April – 2 May 2025. Preferred time will be afternoon of 2 May or morning of 3 May. It was suggested to make SDRs and NARs to join the Bureau meeting as observers.

The following action items were captured during this 3 December 2024 Bureau Meeting

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Next Science Program (NSP) committee formation			
Action	1	P, VP	January 2025: summary report on the SCOSTEP Newsletter
Action	2	P, VP	Nomination of candidates of the officers of new program by the Bureau, NARs, and SDRs
Officer Nomination Committee			
Action	3	P	Start sending invitation letter to the candidates of ONC members

Budget			
Action	4	P, SS	Prepare annual SCOSTEP annual report 2024 and start sending invoice for the annual fee 2025
STP-16 preparation			
Action	5	P	Update of the STP-16 preparation
Award			
Action	6	P, VP, SS	Announce the SCOSTEP Distinguished Service Award 2025, nominate, and select the winner.
Fellow Procedures			
Action	7	SS, P	Prepare award ceremony, online seminar, and medals for SCOSTEP 2024 Fellows
Award/grant for outreach activities			
Action	8	P	Search similar activities in other organizations and propose some ideas at the next Bureau meeting.
PRESTO updates			
Action	9	P	Make selection for the PRESTO funding 2025
Action	10	P	Plan the PRESTO summarizing workshop in 2025
SVS program 2025			
Action	11	P, SS	Make selection of SVS 2025 winners after the deadline of 15 February 2025
UN COPUOS STSC			
Action	12	P, SS	Join the UN COPUOS STSC for the SCOSTEP Presentation
ISC General Assembly			
Action	13	P	Join the ISC General Assembly on 26-30 Jan 2025 at Muscat, Oman.
SCOSTEP comic book updates			
Action	14	SS	Print new comic books for distribution at UNCOPUOS STSC in February 2025
Next Bureau meeting			
Action	15	SS, VP	Schedule the next Bureau meeting (in person) at EGU2025 (27 April 27 – 2 May 2025 in Vienna, Austria)
General Council meeting			
Action	16	SS, VP	Announce the next General Council meeting (IAGA-IASEI2025, Lisbon, Aug.31-Sept.5, 2025) to the NARs and SDRs.