

ISWI Steering Committee Meeting: Annotated Agenda

2021 February 19

Online Meeting

VIC, Vienna, Austria

Chair: Nat Gopalswamy

Agenda

- 1. Introduction & Report (Chair)
- 2. Secretariat Update (Pat Doherty, Katya Georgieva, Mitko Danov, George Maeda)
- 3. Steering Committee Update (Chair - Welcome Kiyoshi Ichimoto, James Spann)
- 4. AI/Machine Learning for Space Weather (Lika Guhathakurta)
- 5. SCOSTEP/PRESTO Report (Kazuo Shiokawa)
- 6. ISWI National Coordinators (Christine Amory, National Coordinators)
- 7. ISWI Instruments Update (Shing Fung and Instrument PIs)
- 8. ISWI/India Workshop Status (Tarun Pant, Pat Doherty and Sharafat Gadimova)
- 9. ISWI School 2021 Online (Teresa Barata)
- 10. Data Subcommittee Report (Shing Fung)
- 11. ISWI/NASA Report (Jim Spann)
- 12. ISWI – UNOOSA Collaboration (Sharafat Gadimova)
- 13. Expert Committee on Space Weather – Summary of Activities (Ian Mann)
- 14. VarSITI Report (Katya Georgieva)
- 15. Any other business

#1 Introduction & Report (chair)

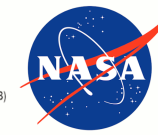
Sun and Geosphere Special Issue Based on ICTP/ISWI Workshop 2019 published

-10 papers (http://newserver.stil.bas.bg/SUNGEO/sun_geo_contNEW.html)

- **Guest editors:** Susanna Finn, Sneha Yadav, Pertti Mäkelä, Babatunde Rabiou, and Nat Gopalswamy
- **editor-in-chief:** Atila Özgüç
- **Technical editor:** Mitko Danov
- About half of the papers had students as lead authors, including one by an undergraduate student.

ISWI Supported the 2020 COSPAR Capacity Building Workshop Kodaikanal, January 6-17, 2020

- Emulated the 2018 Mekelle workshop
- Added new data set – radio images of type II bursts
- Utilized local expertise (data, lectures)
- Students learned the methodology for multiwavelength analysis
- Visits to optical and radio telescopes



- Thirty-four students from 5 countries (Ethiopia, India, Kenya, Nigeria, Ethiopia)
- 16 lecturers from 4 countries (India, Italy, Switzerland, United States)
- One paper almost accepted (Majumdar et al. 2021, Solar Phys)
- Two other papers are under preparation
- Continued collaboration
- Possibility of COSPAR fellowship for short-term visits

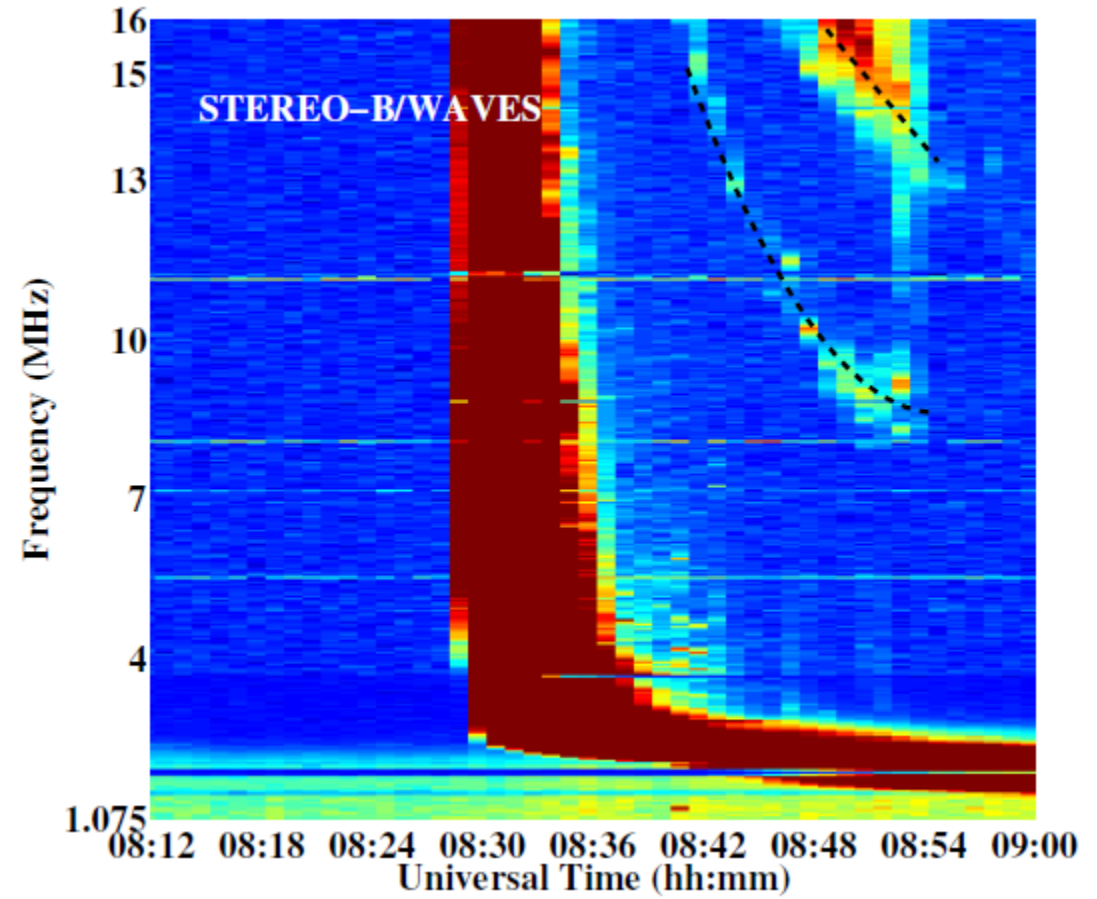
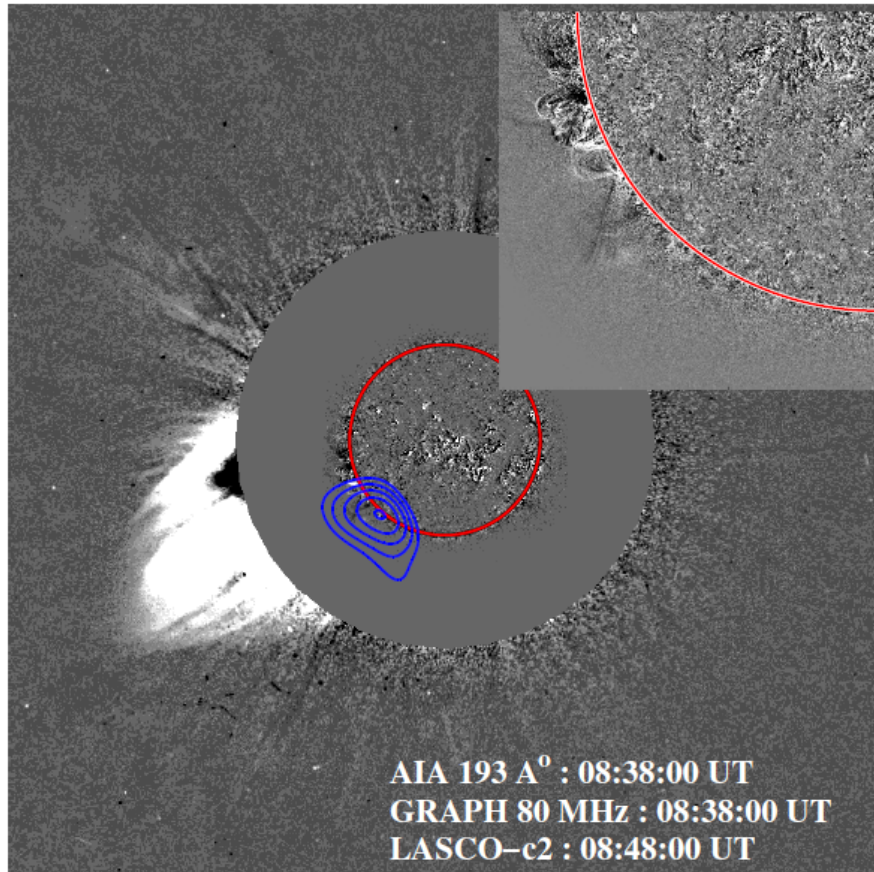
Requests for future workshops:

- Sri Lanka
- Nigeria

Objectives of COSPAR CBW:

- To encourage the scientific use of space data by scientists in developing countries
- To provide a highly practical training in the use of space data from current missions

Student Paper: Majumdar et al. 2021 (Sol. Phys.)



Confirmed Kassa Dagnev et al. (2019) results, with radio images showing type II burst originating from the flank of the CME shock



Join forces to advance space weather understanding and capabilities to alert and shield society!

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- Action Teams work via self-guided topical collaborations on different aspects of space weather organized into **ISWAT Clusters**.
- If you would like to start a new team, you can!
- Many clusters are relevant to ISWI
- ISWI is represented in the COSPAR panel on space weather

<https://www.iswat-cospar.org/>

- [S1: Long-term solar variability](#)
- [S2: Ambient solar magnetic field, heating & spectral irradiance](#)
- [S3: Solar eruptions](#)
- [H2: CME structure, evolution and propagation through heliosphere](#)
- [H3: Radiation environment in heliosphere](#)
- [H4: Space Weather at other planets/ planetary bodies](#)
- [G1: Geomagnetic environment](#)
- [G2a: Atmosphere variability](#)
- [G2b: Ionosphere variability](#)
- [G3: Near-Earth radiation and plasma environment](#)
- [O1: Assessment](#)
- [O2: Information Architecture and Data Utilization](#)
- [O3: Innovative Solutions](#)
- [O4: Education/Outreach](#)

#3. Steering Committee update

- Welcome Kiyoshi Ichimoto (replacing Kazunari Shibata) and James Spann (NASA/HQ)