

UN/Japan Workshop on Space Weather
Panel Discussion 3

Space Weather Data Utilization and Operational Use

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ISWI can be effective only if data is...

- **Accessible**
 - Users can access the data they need
- **Available**
 - Data is available when needed
- **Independently usable**
 - Data products are calibrated, documented, produced in suitable forms

Accessibility: Can users get at the data they need?

ISWI is best served by an **open data policy** so data can flow freely from data providers to users.

- Should ISWI formally adopt an open data policy and require all instrument teams to abide by it?
- What factors (financial, political, cultural, educational and/or technical) may hamper access to and distribution of ISWI data?

Availability: Data available when needed?

ISWI is effective only if “right data products” are produced and available for analysis, modeling, now-casting and forecasting*.*

- Are there measurement types (including real-time data) missing from the current ISWI instrument network?
- What ISWI instrument challenges (re: instrument development, deployment, operations) stand in the way of collecting necessary data?
- When users are analyzing ISWI data, how do we make sure they can gain access to additional non-ISWI data as needed?
- How should ISWI instrument data be maintained?
- Should ISWI data be archived for future availability?

* Operational use

Usability: Data ready for use?

Data products must be independently usable (i.e., no hand-holding needed). Data should be:

1. Calibrated
2. Properly documented
3. Stored for easy retrieval

To support operational use, data products should be in **forms** that allow ready input into space weather and operational models.

- Are ISWI instrument data ready for public consumption?
- What challenges exist regarding data quality and data retrieval?
- Are ISWI data products presented in forms most optimal for operational use?
- Which workshop presentations exemplify effective use of ISWI data?