

## **Space Weather Services to Build Global Resilience**

**What:** Workshop on Space Weather Services supporting the United Nations Committee on the Peaceful Uses of Outer Space (COPUOS) Scientific and Technical Subcommittee (STSC) agenda item on Space Weather

**When:** Tuesday, February 3, 2015, during the 52<sup>nd</sup> session of the STSC

**Where:** Vienna International Centre, Vienna, Austria

**Who:** All COPUOS delegates and other technical experts are encouraged to attend. Speakers will include delegates and representatives from international space weather service organizations, to describe national preparedness for space weather, and representatives from international research organizations.

**Goal:** To foster greater global participation in space weather service activities. This side workshop will provide information on space weather service activities on the national and international levels, and discuss ideas to utilize the STSC Space Weather agenda item to advance global space weather service capabilities. Topics will include:

1. How can members benefit from information and services that are available today through a network of space weather service providers?
2. What types of services are likely to be needed in various regions around the globe?
3. How can members expand from a research/education capability to a service capability?
4. How can members contribute local data and expertise to the global effort?

Member states are increasingly recognizing space weather as a risk that must be addressed. International organizations are working to coordinate local and global efforts. All members can benefit from and contribute to the growing network of international participation.

The workshop discussion will lead into a meeting organized by Canada to address the program of work for an Expert Focus Group to coordinate efforts under the Space Weather agenda item and to report to the STSC.

### **Proposed Organizing Committee:**

Seungman Choi, Korea Space Weather Center

Mark Gibbs, UK Met Office

Natchimuthuk Gopalswamy, NASA GSFC

Madhulika Guhathakurta, NASA HQ

Mamoru Ishii, National Institute of Information and Communications Technology, Japan

Siqing Liu, Space Environment Prediction Center, China

Jussi Luntama, European Space Agency

Ian Mann, University of Alberta, Canada  
Clezio Marcos De Nardin, National Institute for Space Research, Brazil  
Lee-Anne McKinnell, South African National Space Agency  
David Neudegg, Australia Bureau of Meteorology  
Terry Onsager, NOAA Space Weather Prediction Center  
Sharafat Gadimova, International Committee on Global Navigation Satellite Systems (ICG)

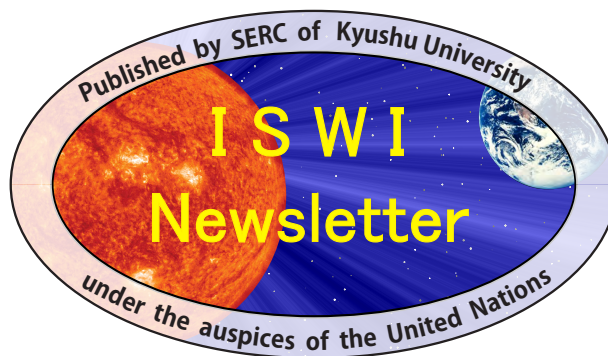
*For further information, questions/clarification, or to express interest in participation, please contact one of the meeting convenors:*

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### **Draft Agenda:**

1. Developing a space weather capability in your region
  - Training to utilize existing products on the WMO Product Portal
2. National efforts to address space weather risks and customer needs
  - United Kingdom
  - Korea
  - Australia
  - South Africa
  - China
  - Brazil
  - Japan
  - Canada
  - United States
3. International Space Weather Initiative
  - Building on research and education programs
4. International coordination activities
  - World Meteorological Organization (WMO)
  - International Civil Aviation Organization (ICAO)
  - International Space Environment Service (ISES)
  - International Living With a Star (ILWS)
5. Long-Term Sustainability of Outer Space - Draft space weather guidelines
  - Summary of draft space weather guidelines
6. Discussion – Where do we go from here?
  - Explore local government and industry uses of space weather information;
  - Use data and services currently available through the worldwide network of participants to begin service efforts;

- Encourage communication between research organizations with space weather knowledge, meteorology agencies with service expertise, and government/industry users of space weather information;
- Join existing coordination efforts in the WMO, ISES, ISWI, ILWS.



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