

UN/US Workshop on the
International Space Weather Initiative:
The Decade after the International Heliospheric Year 2007

When: July 31 – August 4, 2017

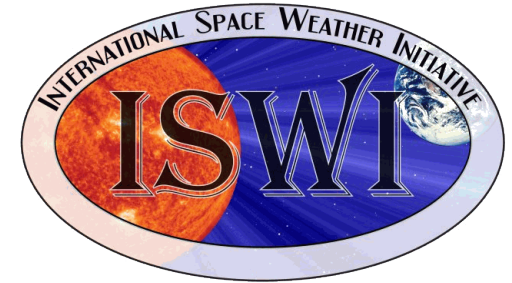
Where: Boston College, Chestnut Hill, MA USA

Presented by: Patricia Doherty, Boston College, ISWI Meeting Coordinator

ISWI Steering Committee Meeting 2018 – VIC, Vienna, Austria – January 31, 2018

Workshop with 3 Components

- High level international forum on the economic and societal effects of extreme space weather**
 - Keynote speakers from major international organizations/governments
 - Panel Session
- ISWI Workshop – 10 years after IHY**
 - Instrumentation
 - Solar Effects
 - Magnetosphere, Ionosphere, Thermosphere
 - Coupling
 - Modeling
 - Capacity Building, Education and Outreach
- Preparation for UNISPACE+50**
 - Workshop will be a flagship for Thematic Priority 4
 - International Framework for Space Weather Services



The 3 components will help develop a coherent international policy towards an appropriate response to space weather.

11:00 Session 1: International Recognition of Space Weather Risks

Panel: Space Weather Risks and Mitigation Needs, Moderator: Bill Murtagh, NWS

UK Risk Assessment and Economic Impact Study, Mario Bisi, RAL, UK

ESA Cost Benefit Analysis, Luca Del Monte, European Space Agency (ESA)

US Economic Impact Study, Stacey Worman, Abt Associates

Civil Contingency Perspective, Kenyatta Blunt, US Department of Homeland Security ICAO Proposed Aviation Service Requirements, Raul Romero, ICAO

12:30 Lunch Break – Lunch will be served just outside the meeting space 13:30

Session 2: Building on Today's Space Weather Foundation

Panel: Improving Research for Operational Services, Moderator: Siqing Liu, National Space Science Center (NSSC), China

US Research Programs to Improve Services, Steven Clarke, NASA

National Science Foundation Space Weather Research, Irfan Azeem, NSF EU/ESA Research Programs to Improve Services (H2020, ESA SSA), Juha-Pekka Luntama, ESA

Asia/Oceania Space Weather Alliance, Mamoru Ishii, NICT, Japan

African Research Programs and the African Geophysical Society, Paul Baki Olande, Technical University of Kenya

15:00 Coffee Break

15:20 Panel: Observing Infrastructure, Moderator: Richard Marshall, Bureau of Meteorology, Australia

US Observing Infrastructure, Larry Zanetti, NOAA, USA

EU/ESA Observing Infrastructure, Mario Bisi, Rutherford Appleton Lab, UK Meridian Project, Chi Wang, NSSC, China

Africa Observing Infrastructure, Babatunde Rabi, NSRDA, Nigeria

South American Observing Infrastructure, Joaquim Rezende Costa, INPE, Brazil

09:00 Summary of Previous Day and Workshop Goals, Terry Onsager

09:15 Building on Today's Space Weather Foundation (Continued)

Panel: International Elements of a Coordination Framework, Moderator: Chris Cannizzaro, State Department

WMO Four-Year Plan for Space Weather Activities: T. Kurino, WMO

International Space Environment Service, Terry Onsager, NWS

Coordination Group for Meteorological Satellites, Elsayed Talaat, NASA

COPUOS Space Weather Guidelines and Expert Team, Ian Mann, U. of Alberta, Canada

International Space Weather Initiative, Nat Gopalswamy, NASA

COSPAR Contributions to the International Framework for Space Weather, Len Fisk, University of Michigan

10:30 Coffee Break

11:00 Session 3: Developing an International Framework for Space Weather Services

Moderator: Ian Mann, University of Alberta, Canada

Summary of Draft Document for Framework

Open Discussion of Current Capabilities and Recommended Actions

Recommendations for UNISPACE+50 Thematic Priority 4

ISWI SESSIONS

- **IHY+10: The Origins of ISWI,**
- **Instrumenters Panel**
- **Scientific Results on the Interplanetary Medium and Geospace**
- **Scientific Results on the Ionosphere and Thermosphere**
- **Space Weather Instruments**
- **Space Weather Modeling**
- **Extreme SpaceWeather**
- **International Outreach and Capacity uilding**
- **Coordination of Space-and Ground-based Data Resources and ISWI**
- **57 POSTERS**



Opening Ceremony: Thomas Chiles (BC VPR), Ken Hodgkins, Simonetta DiPippo and Nat Gopalswamy



150 Participants from 50 countries

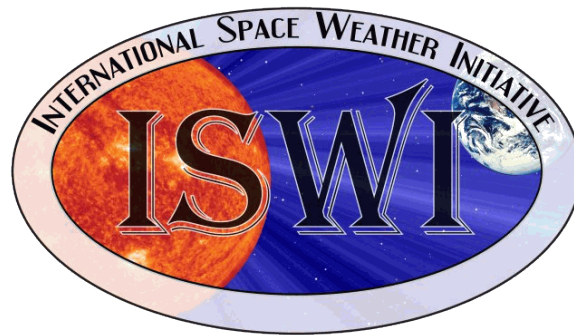






Results of the workshop together with resolutions for an international policy are published on the United Nations Office for Outer Space Affairs website

www.unoosa.org/oosa/documents-and-resolutions/search.jsp?view=&match=A/AC.105/1160



Program still available on <http://iswi2017.bc.edu>