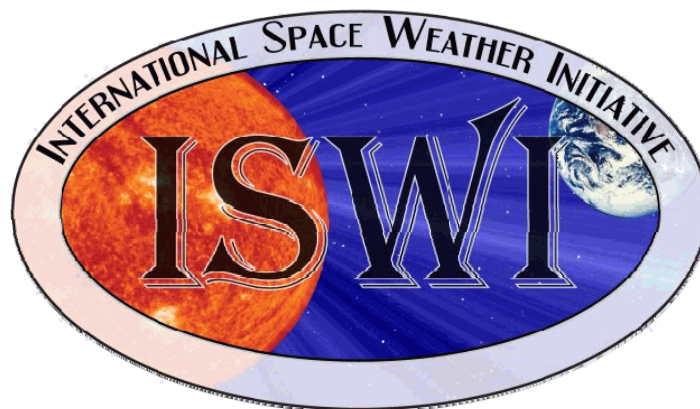


## Annexure - I



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 Rabiou, 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**



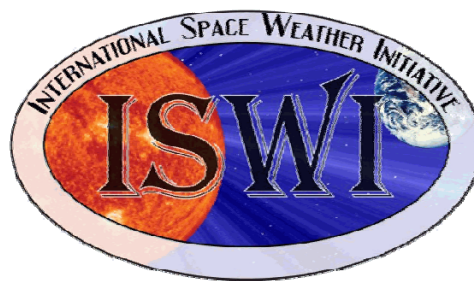






Results of the workshop together with resolutions for an international policy are published on the United Nations Office for Outer Space Affairs website

[www.unoosa.org/oosa/documents-and-resolutions/search.jsp?view=&match=A/AC.105/1160](http://www.unoosa.org/oosa/documents-and-resolutions/search.jsp?view=&match=A/AC.105/1160)



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