



U.S. National Space Weather Strategy - International Activities -

17 April 2018

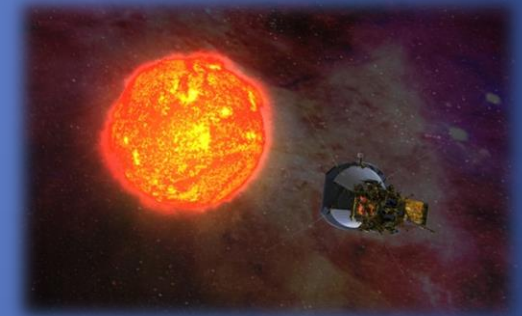
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State Department and Space Weather

For Constitutional and other reasons, State plays a facilitation, coordination and clearance role in **international space cooperation**.



In its coordination role, State leads on **government-to-government framework agreements**, and in its clearance role on **agency-to-agency implementing agreements**.



Parker Solar Probe Plus

Also advances cooperation with specific countries or groups of them for broader foreign policy reasons.



NSpC Executive Secretary Scott Pace at 2nd International Space Exploration Forum (ISEF2)

U.S. National Space Weather Strategy & Action Plan

Goal 6 - Enable Increased International Cooperation

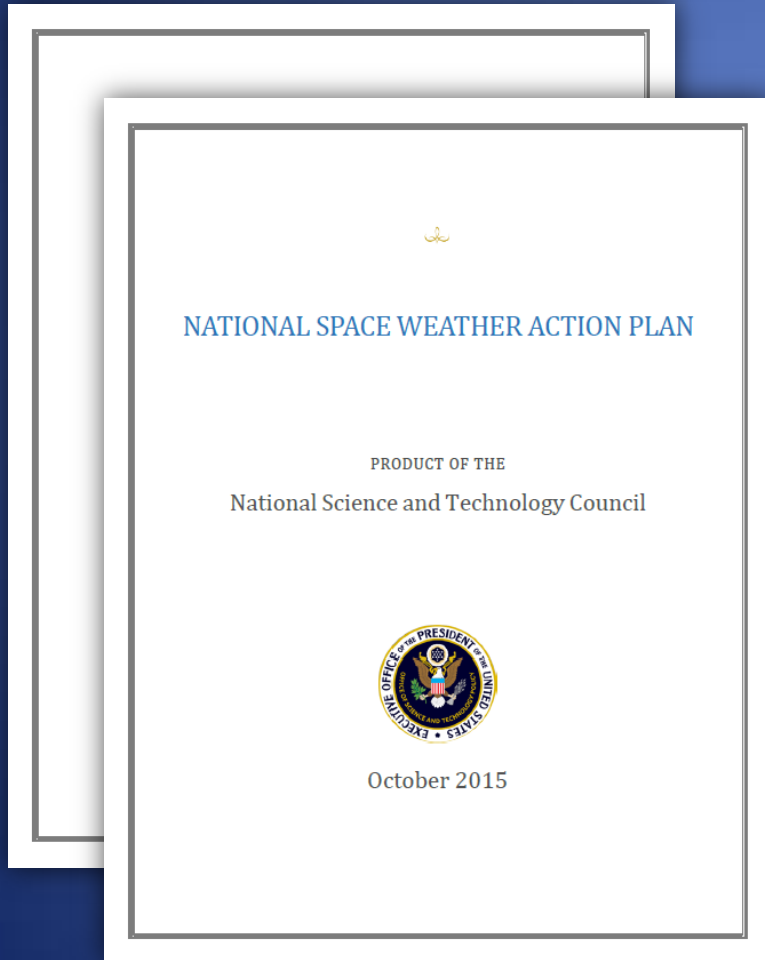
GOAL 6 OBJECTIVES:

Build international support at the policy level for acknowledging space weather as a global challenge

Increase engagement with the international community on observation infrastructure, data sharing, numerical modeling, and scientific research

Strengthen international coordination and cooperation on space weather products and services

Promote a collaborative international approach to extreme space weather preparedness





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2017 Space Weather as a Global Challenge Dialogue

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On May 18, 2017, the U.S. Department of State, Embassy of Italy, and Secure World Foundation co-organized the second “Space Weather as a Global Challenge” dialogue. Hosted by the Embassy of Italy in Washington, DC, the event highlighted the importance of addressing the threats of space weather and provided updates on progress made toward implementing the U.S. National Space Weather Strategy & Action Plan and advances in addressing the threat of space weather in Italy, Europe, and beyond.

The dialogue highlighted the economic, safety, health, and national security implications of space weather events, as well as the steps

Space Weather and Diplomacy

UN COPUOS activities

International Heliophysical Year in 2007

International Space Weather Initiative (ISWI)

- Initiated by the Heliophysics Science community in 2009.
- Inauguration at the Scientific and Technical Subcommittee (UN COPUOS), Vienna, Austria, February 2010.
- **Capacity building workshops** held in Egypt, Nigeria, Ecuador, Austria, Japan, and the **United States**.



2010



2011



2012



2013



2015



2017

UN/US Workshop on the International Space Weather Initiative:

The Decade after the International Heliophysical Year 2007

Boston College, 31 July – 4 August, 2017

Agenda for High Level Session: 31 July – 1 August

Introduction to UN/US Activities

Session 1: International Recognition of Space Weather Risks

Panel on Space Weather Risks and Mitigation Needs

Session 2: Building on Today's Space Weather Foundation

Panel on Improving Research and Operational Services

Panel on Observing Infrastructure for Research and Operations

Panel on International Elements of a Coordination Framework

Session 3: Developing an International Framework for Space Weather Services

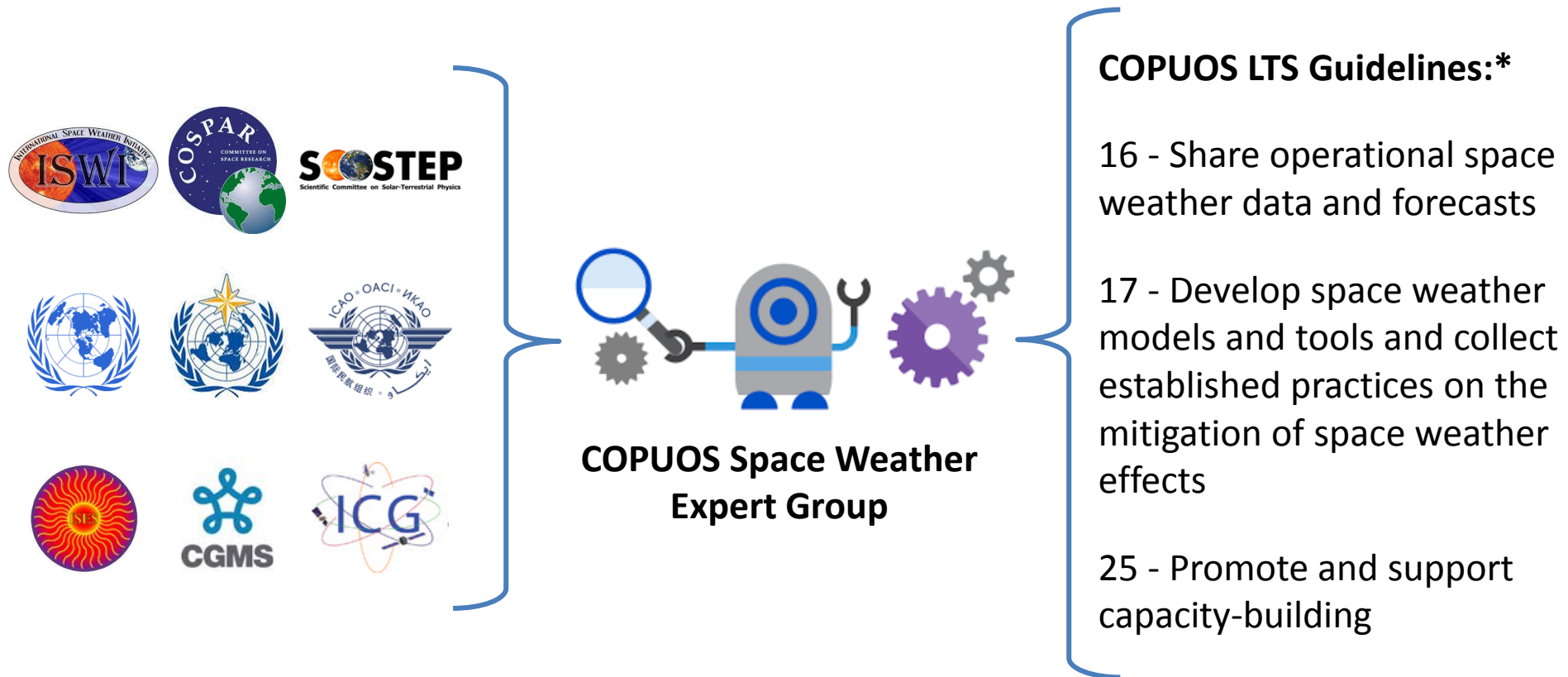
Start of ISWI Technical Sessions

International Elements of a Coordination Framework



**COPUOS Space Weather
Expert Group**

International Elements of a Coordination Framework



* UN COPUOS Guidelines for the Long-term Sustainability of Outer Space Activities: first set. From Report of the Committee on the Peaceful Uses of Outer Space; Fifty-ninth session (8-17 June 2016); General Assembly Official Records Seventy-first Session Supplement No. 20

UNISPACE+50

Vienna on 18-19 June, 2018

Marks the fiftieth anniversary of the first UNISPACE conference and will take stock of the contributions to global space governance of the three prior UNISPACE conferences

Aims to set a comprehensive **Space 2030 Agenda**

Seven thematic priorities:

1. Global partnership in space exploration and innovation
2. Legal regime of outer space and global space governance: current and future perspectives
3. Enhanced information exchange on space objects and events
4. **International framework for space weather services**
5. Strengthened space cooperation for global health
6. International cooperation towards low-emission and resilient societies
7. Capacity-building for the twenty-first century

THANK YOU!