



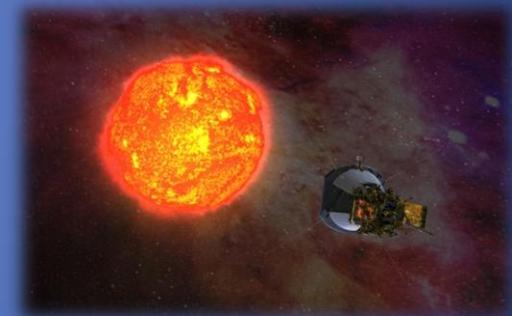
# U.S. National Space Weather Strategy - International Activities -

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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**.



Parker Solar Probe Plus



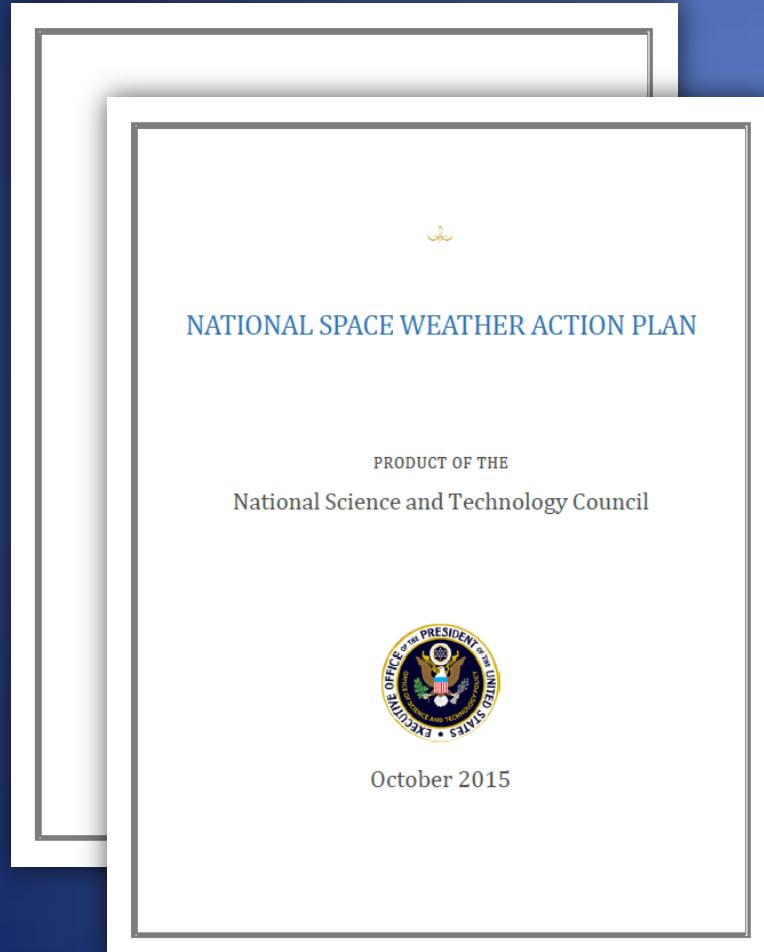
NSPC Executive Secretary Scott Pace at 2nd International Space Exploration Forum (ISEF2)

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

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

# 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



# U.S. DEPARTMENT OF STATE

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## 2017 Space Weather as a Global Challenge Dialogue



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



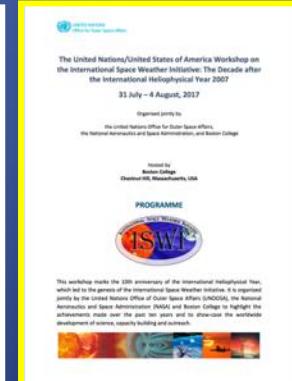
2012



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

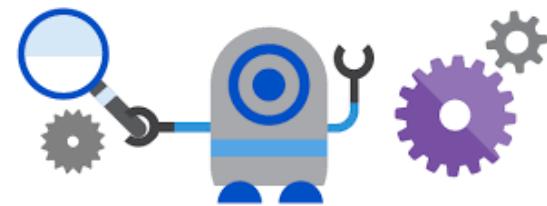
Panel on Observing Infrastructure for Research and Operations

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

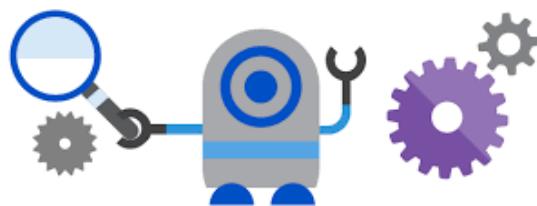


**COPUOS Space Weather  
Expert Group**

# International Elements of a Coordination Framework



## COPUOS Space Weather Expert Group



### COPUOS LTS Guidelines:\*

- 16 - Share operational space weather data and forecasts
- 17 - Develop space weather models and tools and collect established practices on the mitigation of space weather effects
- 25 - Promote and support capacity-building

# 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!