



*Promoting Cooperative Solutions for Space Sustainability*

# **Strengthening International Security through Global Space S&T Cooperation**

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# Changing Nature of the Space Domain

- Shift in how we approach space affects possibilities for space cooperation
- Goal: *stable, predictable space environment*
  - Will allow us to enjoy continued benefits from use of and access to space
  - Importance of space security and stability to national security



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# Threats to Space Security and Stability

- Space weather
- Space debris
- Radio frequency interference
- Anti-satellite weapons (ASATs)



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# USG Space Guidance

- Obama Administration's 2010 National Space Policy
- 2011 National Security Space Strategy
- 2012 Defense Strategic Guidance
- 2012 Pentagon Space Strategy
- Overall: emphasis on *international cooperation, responsible space behavior*



# International Approaches to Space Cooperation

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- Four main treaties
- 2008 Proposed Treaty on the Prevention of Placement of Weapons in Outer Space, the Threat or Use of Force Against Outer Space Objects (**PPWT**)
- Deadlocked UN Conference on Disarmament (**CD**)
- UN Committee on Peaceful Uses of Outer Space (**COPUOS**)
- UN **Group of Government Experts** on Space TCBMs
- International **Draft Code of Conduct** for Outer Space Activities



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# Space as Soft Power Outreach

- A good route for *establishing relationships*
- Case study: *China*



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# Roadblocks to Space Cooperation

- Export controls
- Data-sharing issues
- Lack of reciprocity
- Political issues
- Overall: the *space domain has changed*, so how we approach *cooperation in space must evolve* with it.



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# Contact Information

**Questions?**

**Thanks!**

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