



SPACE SECURITY INDEX

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www.spacesecurityindex.org

A shared understanding of space security

Secure and sustainable access to and use of space, and freedom from space-based threats





Fact-based research to
promote ***transparency and
confidence*** in space activities

Theme 1: Condition of the space
environment

Theme 2: Access to and use of
space

Theme 3: Security of space
systems

Theme 4: Outer space policies and
governance

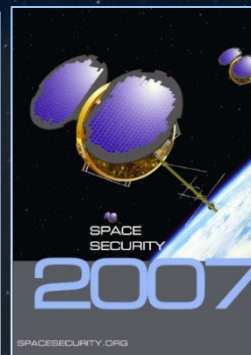
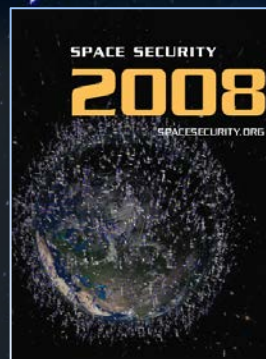
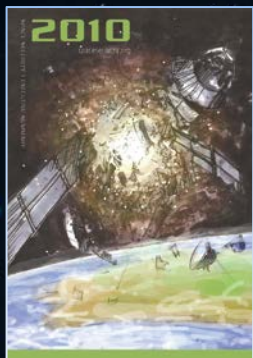
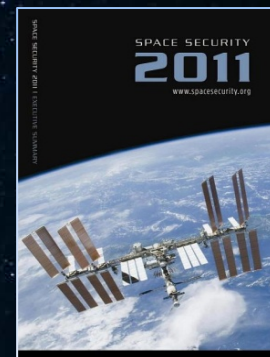
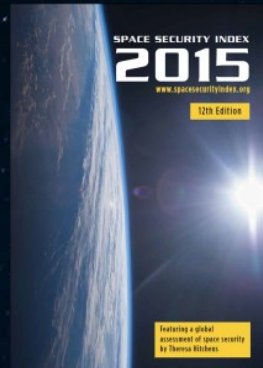
Space Security Working Group Meeting

McGill University, Montreal, Canada

25-26 May, 2016



Space Security Index 2016: 13th Edition



Space Security Index 2016:

Emerging Trends

- Insufficient space situational awareness
- Growing commercial sector: private actors in space
- Deepening space cooperation
- Security tensions in outer space

Insufficient space situational awareness

- Debris: 17,427 items catalogued 2015
- Growing rate of *active* objects in space
- Limited ability to detect and track objects in higher orbits
- Disparities and fragmentation in collection and access to orbital data

Commercial sector: private actors in space

- From enabler to leader in space technology
- \$1.5B in venture capital in 2015
- Private actors in space: resource extraction and exploration
- Prompting debates about space principles, laws and regulations

Deepening space cooperation

- 70 civil space programs in 2015
- Extension of the International Space Station
- Commercial sector as partner in space
- Civil, commercial, military uses less distinct
- Growing military and security cooperation

Security tensions in outer space

- Advancing technologies for the use of force in space
- Shift in military space strategies and priorities
- Failure to agree to limits on the use of force

Progress on space governance

- Growing awareness and consensus about environmental challenges in space, such as debris
- Continued emphasis on Transparency and Confidence Building Measures
- UNGA meeting of 1st and 4th committees

Thank-you

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