

# **SAFE, SECURE AND SUSTAINABLE SPACE ACTIVITIES: FOR HOW LONG?**

## **Space Security: Some Perspectives**

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# Outline

- Facts and Findings
- Regulatory Environment
- New Issues → New Regulations
- Some Exploratory Lanes

# Facts and Findings

- Space is:
- Congested: 1400+ satellites, 22 000 10 cm debris, and more to come (satellites and debris)
- Contested: orbits and radio-frequency allocations
- Degraded: in terms of operational environment
- Competitive: From bipolar → multi-capable actors. Increasing diversity of public/private contributors, ...
- Usage-regulated: only to a certain extent
- Pervasive throughout the society → dependency + vulnerabilities
- Going through a major change in nature

# Regulatory Environment

- OST (1967), Agreements, Resolutions, Principles
- PAROS process within the CD agenda
- PPWT
- NFPWOS
- US National Space Policy (2006), principles
- UNGA 2007 endorses COPUOS space debris mitigation (voluntary) guidelines
- GGE
- ICoC
- LTSSA
- Next?

# New Issues → New Regulations

- CD / COPUOS hiatus
- The SST → SSA → STM challenge
- Enhancing bi / multilateral cooperation
- Legal issues tied to ADR
- Towards an International (European?) World Space Security Agency?
- Need to develop a common understanding of the OST
- A revisited PPWT endowed with verification means?
- Revisiting ICoC
- Counterspace: how far? Is counter- counterspace an option?

# Some Exploratory Lanes

- Matter of urgency: issues are well identified, but difficulty for consensual solutions. No excuse.
- Bringing space security high on the political agenda: how?
- Are the current instances and tools appropriate to deal with the transforming outer space?
- How to make relevant the hard / soft law mix and ensure it's sustainable? What if it fails?
- Share standards, rules, norms to avoid indiscriminate harm
- Favour bottom-up and practical approaches
- Give priority to large debris removal
- Propose new space debris guidelines?
- Develop STM “rules of the road” as soon as possible
- Prioritize work on reachable objectives / achievable goals

## G7 Foreign Ministers Meeting, Hiroshima, 10-11 April 2016

...” Outer space activities have immense potential for social, economic, scientific and technological development of all states, and for tackling global issues. We remain concerned about the development of anti-satellites capabilities. We are committed to enhancing the long-term safety, security, sustainability and stability of the space environment, to increasing transparency in space activities, and to strengthening norms of responsible behaviour for all outer space activities”...



# Thank you!

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