

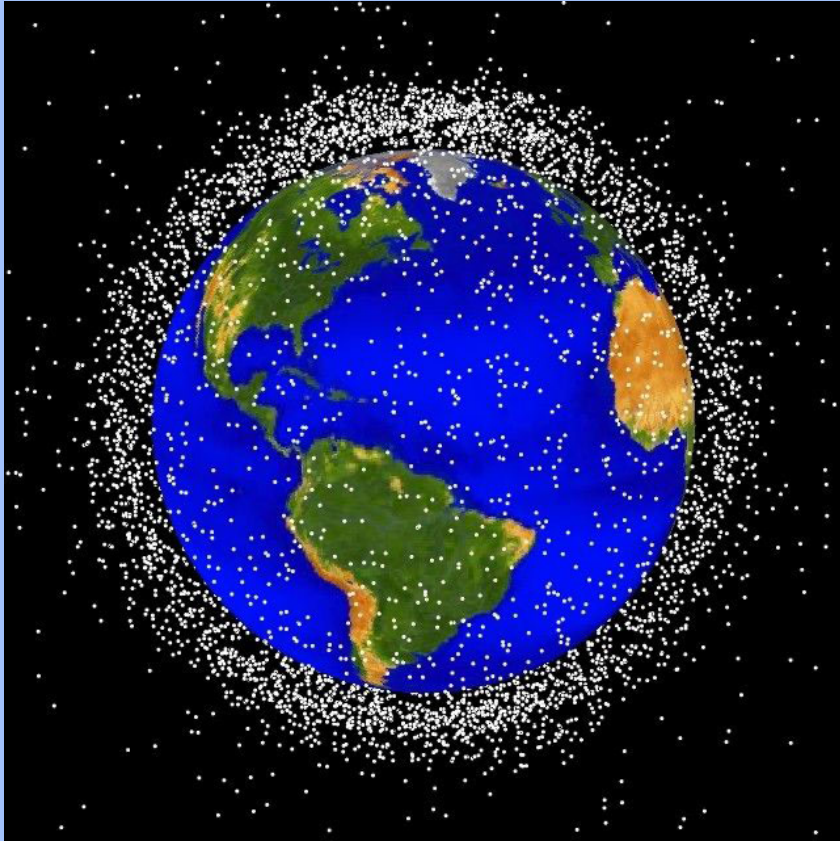


SPACE GENERATION
ADVISORY COUNCIL

SGAC Review of the UNCOPUOS Space Debris Compendium

**Presentation by Lauren Fleming
Space Law & Policy Group Project Co-lead**

Space Debris Today

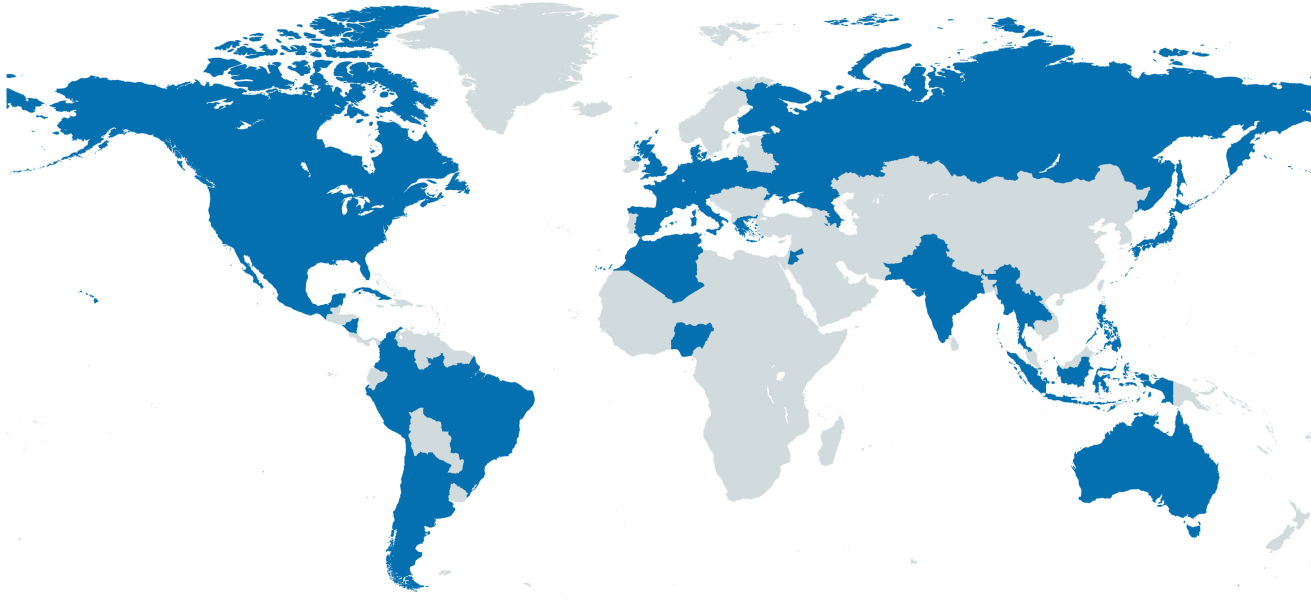


- Space debris poses the greatest threat to our progress in space
- Mitigation is crucial for both the space environment and human exploration
- Meaningful mitigation requires informed policy creation and international cooperation

Compendium



- Created in 2014 and continuously updated on a voluntary basis
- Goal: Develop a comprehensive database of information to provide insight into global space debris mitigation efforts and guide policy creation



Project Overview



Analyze the information available in the UN COPUOS Space Debris Compendium to assess the efficacy of existing policies and establish a suggested regulatory framework



- International guidelines
- National laws
- Launch procedures
- Planned regulatory changes within specific states or regions
- Examine how these policies interact with international guidelines



- Technical requirements included in national legislation
- Environmental requirements for launch
- Determine industry challenges
- Examine effect new technical requirements could have on future missions

Project Values



Bridge the Gap in Understanding

Use legal and technical backgrounds to determine achievable best practices

Actionable, Pragmatic Steps for States

Transforming strengths and weaknesses of current approaches into clear metrics to evaluate regulations

Look Forward

Create a framework that ensures uniformity and longevity of space debris mitigation laws

Project Goals



1

Aid the creation of national laws that promote the safety and sustainability of space exploration

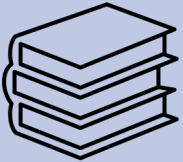
2

Strengthen the relationship between technical aspects of space debris mitigation to enhance effectiveness of mitigation measures

3

Promote global cooperation and uniform measures to ensure successful space debris mitigation

Project Phases



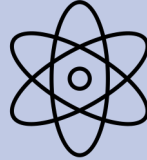
Phase 1

Analyze UN COPUOS
Space Debris
Compendium &
International
Instruments



Phase 2

Comparative
analysis of national
space debris
mitigation laws



Phase 3

Analyze technical
requirements of
national laws and
impact on mission
planning



Phase 4

Synthesize findings
and determine
effectiveness of
differing regulations



Phase 5

Create ideal model
national regulatory
framework using
results

THANK YOU

info@spacegeneration.org



SPACE GENERATION
ADVISORY COUNCIL