



SPACE GENERATION
ADVISORY COUNCIL

**Information on the Activities of
Space Generation Advisory
Council Relating to Space Law**

SGAC Origins



SGAC is a global **non-governmental, non-profit** organisation and network which aims to represent **university students and young space professionals** ages **18-35** to the United Nations, space agencies, industry, and academia.

Conceived at the Third United Nations Conference on the Exploration and Peaceful Uses of Outer Space (UNISPACE III) in Vienna in 1999.

*“To create, within the framework of the Committee on the Peaceful Uses of Outer Space, a consultative mechanism to **facilitate the continued participation of young people from all over the world**, especially young people from developing countries and young women, in cooperative space-related activities [...]”*



SGAC The Five Pillars



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Events

**Project
Groups**

**Professional
Development**

Scholarships

**Policy &
Advocacy
Activities**

Project Groups



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SGAC Project Groups



Space Safety and
Sustainability



Near Earth
Objects



Space Law
and Policy



Space
Exploration



Space and
Cybersecurity



Commercial Space



Space Medicine
and Life Sciences



Small Satellites



Space
Technologies for
Earth Applications



Ethics and
Human Rights



Diversity and
Equality

<https://spacegeneration.org/projects>

Space Law and Policy PG



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History:

- Conceptualized during the Space Generation Congress (SGC) 2011
- Established in 2012 as “Space Law Project Group”
- Changed name in 2014 to “Space Law and Policy Project Group”

Today:

- Over 300 registered students and young professionals
- More than 50 active participant in ongoing projects



SLP Co-Leads



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Kyran Grattan
Associate Director,
Breakthrough Initiatives



Giuliana Rotola
PhD student, Sant'Anna School of
Advanced Studies / GEGSLA



SLP PG Objectives



Engage in debates on critical legal and policy aspects

Investigate regulatory challenges

Address emerging issues

Develop research on trend questions

Collaborate with the space community



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Research Teams

Sustainability

Disarmament

National Space Law

EO and Human
Rights

Space Resources

Ad Hoc Activities

UN Questionnaires

Project Group
Collaborations

Third Party Events

Communications

Social Media

Blog

Newsletter



Research Teams



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Research Teams

1. Sustainability / Report on the LTS Guidelines Implementation
2. Space Security and Disarmament
3. National Space Law
4. EO and Human Rights
5. Space Resources
6. Dark and Quiet Skies



1. Report on LTS Guidelines National Implementation

Report

Report on LTS Guideline implementation across continents accounting for various sources of State practice.

Recognize

Identify, recognize, and analyze trends across guidelines.

Recommend

Recommend best practices and future implementation foci.



Methodology



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Sample

- 20 countries
- 6 continents
- Major and developing spacefaring nations

Sources

- Policy
- Legislation
- Regulation
- Expert interviews
- Documented programs and initiatives

Classification

1. No known implementation
2. Partial or planned implementation
3. Legislated or substantial practical implementation

Context and RQ



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- LTS Guidelines (n=21) under 4 sections:
 - A. Policy and regulatory frameworks for space activities
 - B. Safety of space operations
 - C. International cooperation, capacity-building and awareness
 - D. Scientific and technical R&D
- Since their adoption in 2019, how well have they been implemented?
 - Adoption of legislation, policies and regulations
 - Initiatives and measures launched to promote sustainability
 - Plans for implementation

Main findings



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- Implementation and support of LTS Guidelines is not always reported to UNOOSA.
- The LTS Guidelines are recent and still taking effect as State practices develop and more States help build consensus.
- National space activities underlie LTS implementation and implementing measures should underlie space activities.
- Countries vary widely in facilitating international cooperation, information sharing and capacity building.

2. Space Security and Disarmament

Analysis of space security initiatives and mechanisms to date, with the aim of informing future efforts with lessons learned from the past.

1. Summary of different security mechanisms structured in terms of
 - historical and legal context
 - content
 - general reception by the international community
 - outcome in the context of space security
1. Interviews with experts in the field aimed at covering diverse perspectives from different geographical backgrounds and fields of expertise.



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3. National Space Law

Building space law and policy capacities across the world by contributing to the drafting, reporting or educating of space law and policy in domestic and regional contexts:

- draft space policy for the Republic of Uganda currently undergoing a second reading
- seminars in Singapore on practical aspects of licensing, authorization and supervision
- similar initiatives in Trinidad & Tobago, Canada, and India



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4. Earth Observation and Human Rights

Case studies and expert interviews on the use of remote sensing to monitor fundamental human rights violations

- Collaboration with Jus ad Astra and SGAC Ethics and Human Rights Project Group
- Two research article published:
 - Introduction to Earth Observation Data and Space Law
 - Earth Observation Data, Climate Change, and Human Rights
- Two interviews recently published:
 - Dr. Agnieszka Lukaszczyk, Planet
 - Dr. Tanya Harrison, Planet



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5. Space Resources

1. ISRU on Mars and planetary protection

- Maya Nasr, Lindsey Wiser, Rahim Talibzade, Giuliana Rotola, Ivan Fino, Kyran Grattan, David Eagleson, Annaliese Meyer, Emma Loudon, *Planetary Protection and Martian ISRU*, GLEX-21-10.2.6x62312



2. Res Luna

Project on resource systems and governance approaches in collaboration with the Open Lunar Foundation

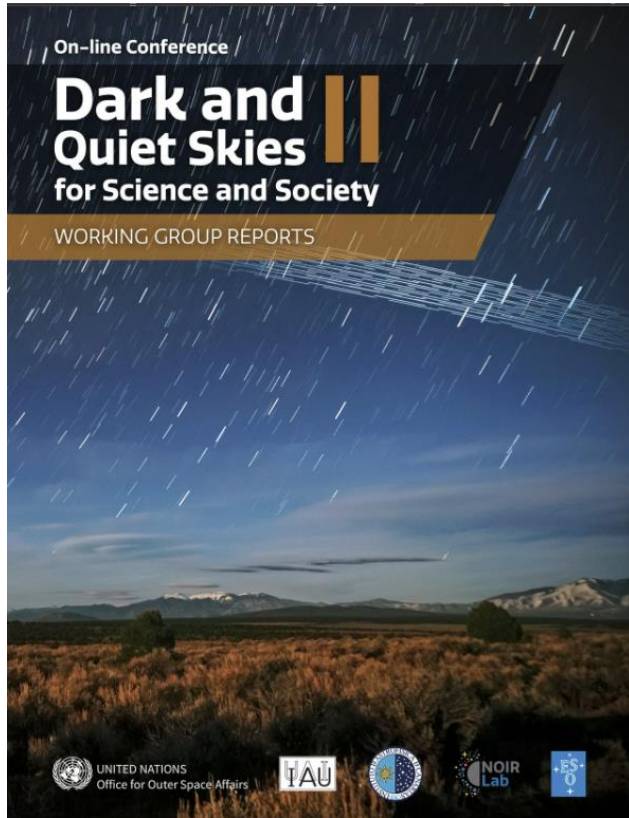


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6. Dark and Quiet Skies



Participation in the Satellite Constellation Working Group of the UNOOSA/IAU Dark and Quiet Skies II



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THANK YOU

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