

Lunar
Policy
Platform

PRINCIPLES AND PRACTICES OF LUNAR INFORMATION SHARING

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OUTLINE



**LEGAL
ASPECTS**



**PRINCIPLES
& PRACTICES**



**CONCLUSION
AND NEXT STEPS**



LEGAL ASPECTS

SPACE LAW: A MULTILEVEL SYSTEM



**INTERNATIONAL
SPACE LAW**



**DOMESTIC
LEGISLATION**

FOUNDATIONAL PRINCIPLES FROM THE OUTER SPACE TREATY



SPACE POLICY: A MULTI-LAYER PROCESS



MULTILATERAL
ALL STATES



MINILATERAL
ONLY SOME STATES



MULTI-STAKEHOLDER
NON-GOVT ACTORS

FEATURES OF A LUNAR GOVERNANCE SYSTEM



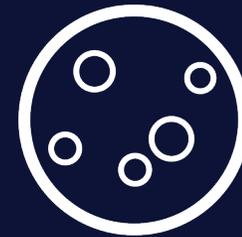
MULTI-LEVEL

TO MATCH
ART. VI OST



ADAPTIVE

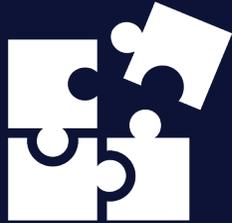
TO EVOLVE
IN TIME



COMPREHENSIVE

TO REFLECT
INTERDEPENDENCE

ELEMENTS OF A LUNAR GOVERNANCE SYSTEM



BOUNDARIES

TO GOVERN WHAT
WE KNOW



PROCESSES

TO GOVERN WHAT
WE DON'T KNOW



INSTITUTIONS

TO GOVERN PRINCIPLES
AND PROCESSES



LUNAR INFORMATION SHARING 101

THE LUNAR POLICY PLATFORM VISION & MISSION

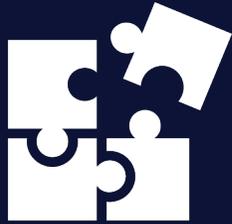
VISION

*A Peaceful, Prosperous,
and Cooperative Future on
the Moon through Policy.*

MISSION

*The Creation of a Conducive Policy
Environment for Peaceful, Safe,
and Sustainable Lunar Activities.*

THE LUNAR POLICY PLATFORM VALUE PROPOSITION



**REVEAL
COMMON GROUND**



**DEVELOP
ADAPTIVE POLICIES**



**PROVIDE
EXPERT ADVICE**

THE LUNAR POLICY PLATFORM

FIVE DISTINCTIVE FEATURES



**EXPERT
BASED**



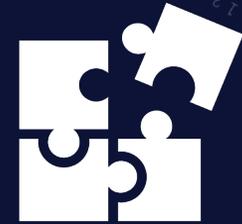
**OPEN
NEUTRALITY**



**GLOBAL
NETWORK**

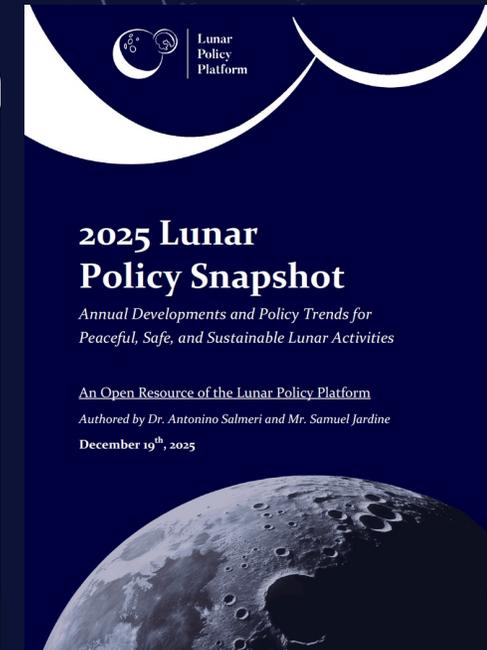
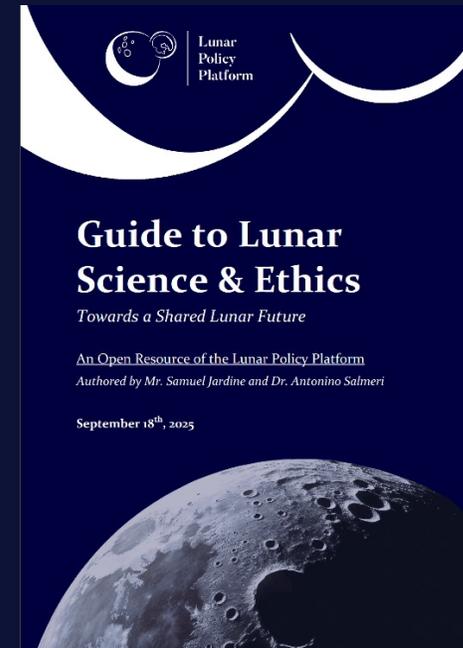
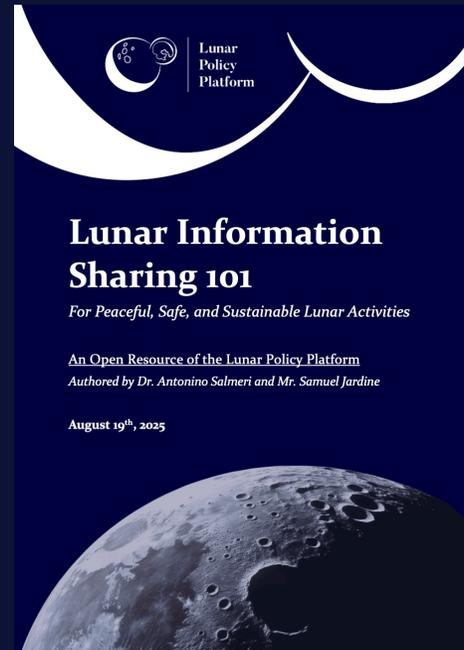
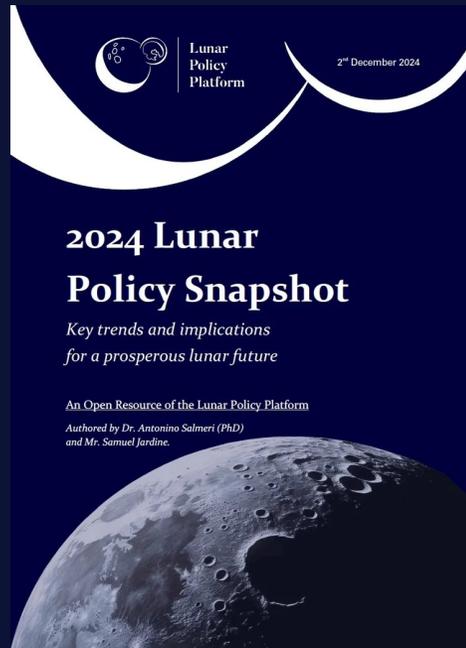
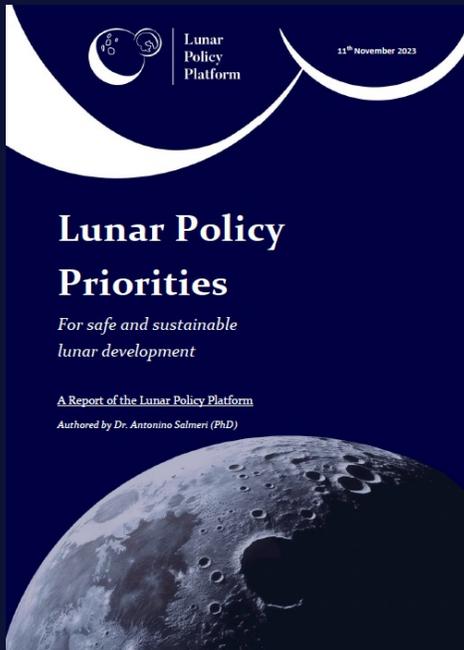


**PRACTICAL
FOCUS**



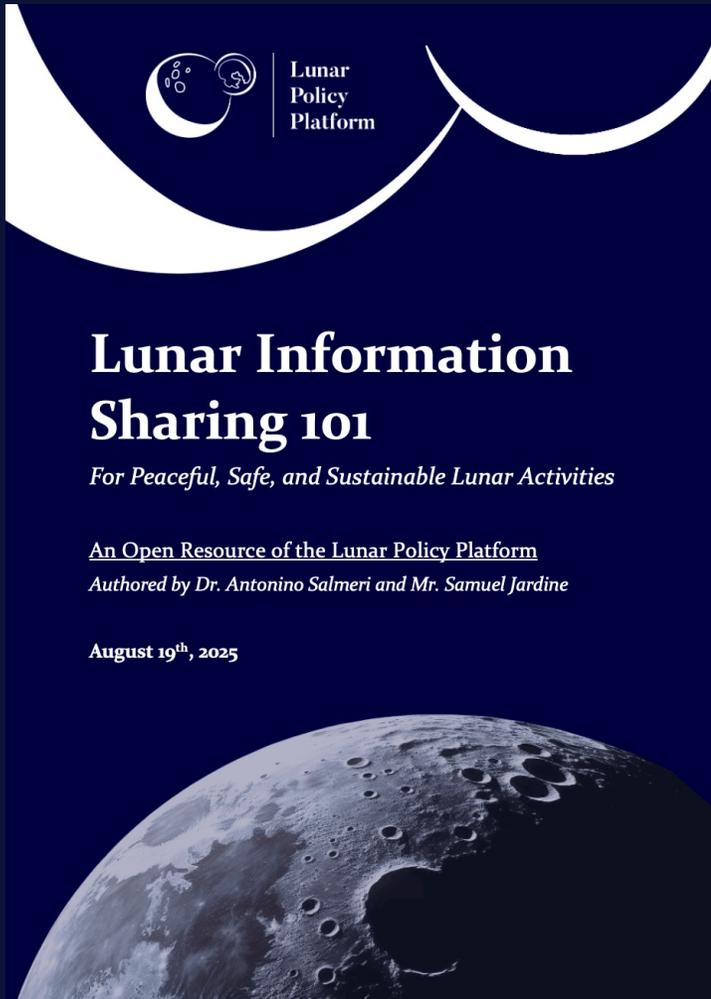
**HOLISTIC
APPROACH**

LPP WORK



All available at www.lunarpolicyplatform.org

LUNAR INFORMATION SHARING 101



**ELEMENTS, PRINCIPLES,
AND PRACTICES**

3 MONTHS OF CONSULTATIONS

5 MONTHS REVIEW PROCESS

**OVER 45 STAKEHOLDERS
FROM ALL OVER THE WORLD**

CORE PURPOSES OF INFORMATION SHARING

Priority	Purpose
1	Safety & Situational Awareness
2	Peace & Transparency
3	Sustainability & Cooperation
4	Benefit Sharing & Capacity Building

GUIDING PRINCIPLES

Principles
<u>Accuracy</u>
<u>Timeliness</u>
<u>Clarity</u>
<u>Good faith</u>

UNDER ARTICLES IX AND XI OF THE OST

PRACTICES: WHAT TO SHARE

Core information required for lunar safety includes:

- i. List of the activities and pocs
- ii. Purpose(s) of the activities
- iii. Location of the activities
- iv. Duration of the activities
- v. End of life (including any debris and disposal plans)
- vi. Hazards and cautions
- vii. Humans and objects

Core information required for lunar transparency includes:

- i. List of the activities and pocs
- ii. Purpose(s) of the activities
- iii. Location of the activities
- iv. Duration of the activities
- v. End of life (including any debris and disposal plans)

PRACTICES: WHAT TO SHARE

Core information required for lunar sustainability and cooperation includes:

- i. List of the activities and pocs
- ii. Purpose(s) of the activities
- iii. Location of the activities
- iv. Duration of the activities
- v. End of life (including any debris and disposal plans)
- vi. List of systems and equipment

Core information required for lunar benefit sharing and capacity building includes:

- i. List of the activities and pocs
- ii. Purpose(s) of the activities
- iii. Location of the activities
- iv. Duration of the activities
- v. Description of systems and equipment
- vi. Scientific results
- vii. Lessons learnt

PRACTICES: HOW TO SHARE

Template for Sharing Information About Lunar Activities

<u>I. List of Activities</u>	List of the activities that will be conducted.
<u>II. Points of contacts</u>	Public and private entities associated with the activities, like responsible State(s) and/or State of Registry, and operators.
<u>III. Purposes of the Activities</u>	Brief explanation of the purposes of the activities.
<u>IV. Location(s) of the activities</u>	The location(s) where the activities will be conducted, such as orbital parameters, expected trajectories, and surface coordinates for landing and operations.
<u>V. Duration of the activities</u>	Expected duration of the activities, such as the number of lunar days and the corresponding days in Earth calendar.
<u>VI. End of life</u>	Estimated conclusion of the mission, including any plans for object disposal and debris mitigation measures.
<u>VII. Risks and cautions</u>	Any environmental and operational risks that may be caused by the activities, such as the ejection of lunar dust, and suggested cautions.
<u>VIII. Humans and objects</u>	Any crew and space objects involved in the activities.
<u>IX. Systems and equipment</u>	Any systems and equipment employed in the activities.
<u>X. Scientific goals and results</u>	Before the mission: targeted goals. After the mission: discovered results.
<u>XI. Lessons learnt</u>	Any lessons learnt from the conduct of the activities.

PRACTICES: WHERE TO SHARE

Topic	Mechanism
Activity	U.N. Index of Space Activities under Article XI OST
Object	U.N. Registry of Space Objects under Reg. Convention
Mission	Dedicates sections within the websites of lunar operators

PRACTICES: HOW TO DISPLAY

<u>Two Platforms Solution</u>	
<u>Lunar Registry</u>	<u>Lunar Database</u>
Information for peace and benefit sharing	Information for safety and sustainability
Maintained by the UN Office for Outer Space Affairs	Maintained by a dedicated neutral technical entity
Information provided only by States	Information provided primarily by operators
Publicly available for the benefit of all actors	Accessible only to States and operators

PRACTICES: WHEN TO SHARE

Timeline / Purposes	Safety	Peace	Cooperation
One year prior	Elements i - v	Elements i - iv	Elements i - iv
Six months prior	Elements i - vi	Elements i - v	Elements i - v
One month prior	Elements i - vii	Elements i - v	Elements i - vi

Timeline / Purposes	Benefit sharing, Capacity building, & Sustainability
One month after	First report with overview of achieved results
Six months after	Second version with relevant lessons learnt
One year after	Final version with any scientific findings



CONCLUSION AND NEXT STEPS

CONCLUSION

1

**THERE IS SIGNIFICANT
COMMON GROUND ON
THE CORE ELEMENTS OF
INFORMATION SHARING**

2

**NOW WE NEED TO
OPERATIONALISE IT
FOR CONCRETE
SOLUTIONS**

3

**SOLUTIONS INCLUDE
SHARED TEMPLATES,
TIMELINES, AND
PLATFORMS**

SUGGESTED NEXT STEPS FOR PNT

1

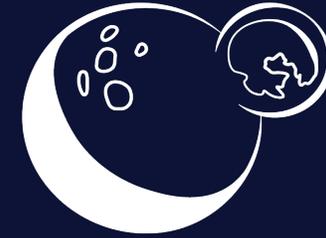
**SYNERGIZE WITH
EFFORTS WITHIN ATLAC
& LSC WG ON 5 TREATIES**

2

**RAISE AWARENESS
AND EDUCATE ON
PNT NEEDS & TOOLS**

3

**INTEGRATE WITHIN
COPUOS EFFORTS
ACCORDINGLY**



Lunar
Policy
Platform

***MANY THANKS FOR
YOUR KIND ATTENTION!***

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