

Space Debris Mitigations in National Space Legislation

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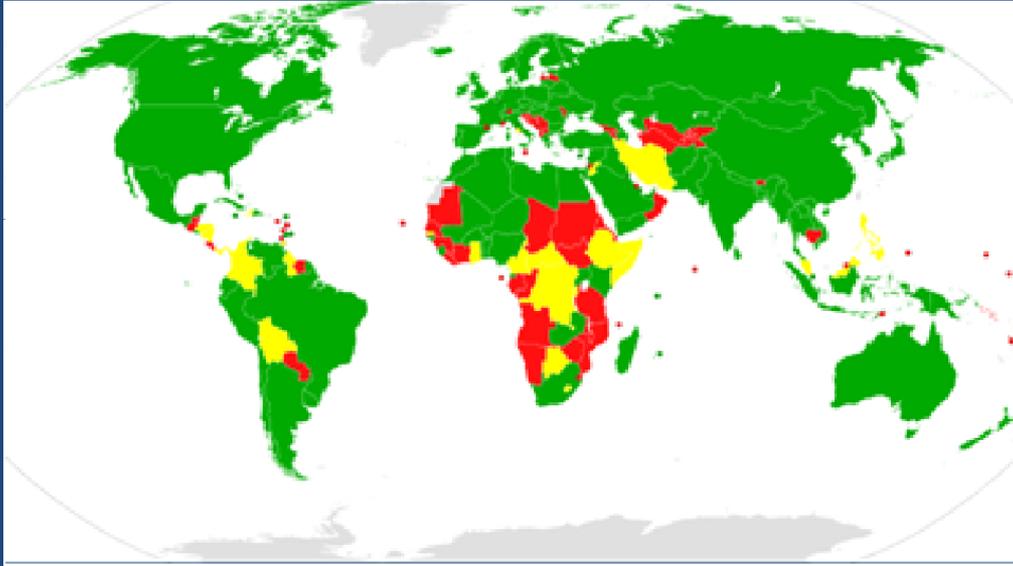
What are “National Space Laws”?

Simple Definition:

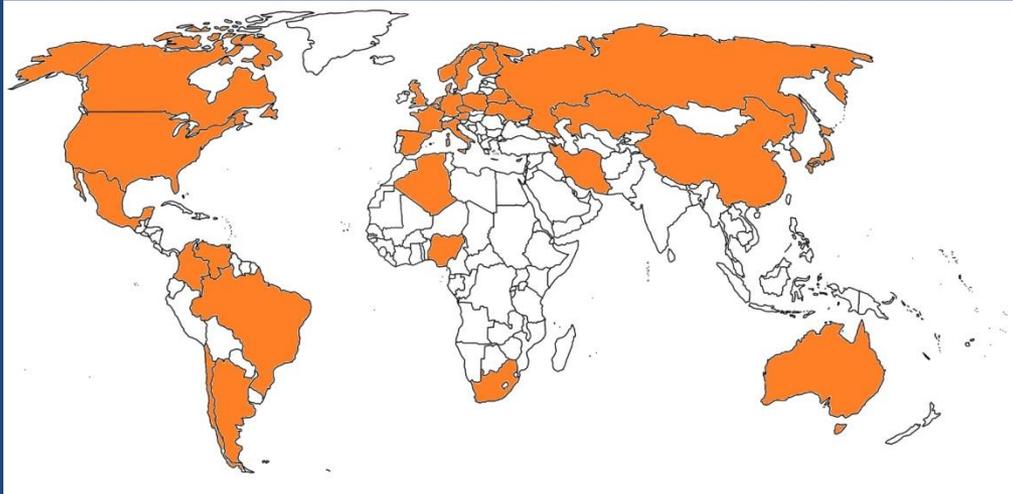
- **Mandatory rules enacted by a State**
- **Defining rights and obligations of space actors**
- **In a given national jurisdiction**
(Territorial/Personal)



What are “National Space Laws”?



States parties: 103
Signatory States: 89



30 National Space Legislation

What are “National Space Laws”?

National Space Law

Implementation of
International Space
Law requirements

Common rules

Development of a
national legal frame
for space activities

Particular application

What are “National Space Laws”?

National Space Laws

Common issues:

- Intellectual property rights
- Transfer of ownership
- Penalties
- (...)

Scope of Application and competences

Authorization

Registration

Supervision

Indemnification

Insurance

Other Regulations

How National Space Laws are implementing SDM?

SDM AS A CONDITION FOR THE LICENCE / AUTHORIZATION	OTHER SDM MECHANISM	NO SDM PROVISIONS IMPLEMENTED IN THE LAW
AUSTRIA	BELGIUM	ALGERIA
CANADA	CHINA	ARGENTINA
DENMARK	GERMANY	AUSTRALIA
FRANCE	JAPAN	BELARUS
REPUBLIC OF KOREA	NIGERIA	BRAZIL
UKRAINE	THE NETHERLANDS	COLOMBIA
UNITED KINGDOM	REPUBLIC OF KOREA	CHILE
USA	RUSSIAN FEDERATION	CZECH REPUBLIC
		FINLAND
		ITALY
		MEXICO
		NORWAY
		POLAND
		SOUTH AFRICA
		SPAIN
		SWEDEN
		VENEZUELA

SDM in the French Space Law



- The French National Space Law was enacted on June 2008
- Its scope of applicability is both TERRITORIAL and PERSONAL
- French National Space Law defines LEO and GEO as protected zones
- It provides specific rules LAUNCHERS and for SATELLITES

SDM in the French Space Law

- Debris mitigation
- The question of probability of occurrence of an accidental break-up
- Obligations following the disposal phase
- De-orbiting obligation: the 25 years rule

What you should remember of this presentation

- National Space Laws are **mandatory rules**, implemented by **states**, provided obligations **directly applicable** to **space actors**
- When putted together, they form a group of laws that share **common principle without being homogeneous**.
- Some of them provide very **strict obligations regarding SDM**. Futures laws are likely to be strict with compliance with SDM.

Thanks for your attention

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