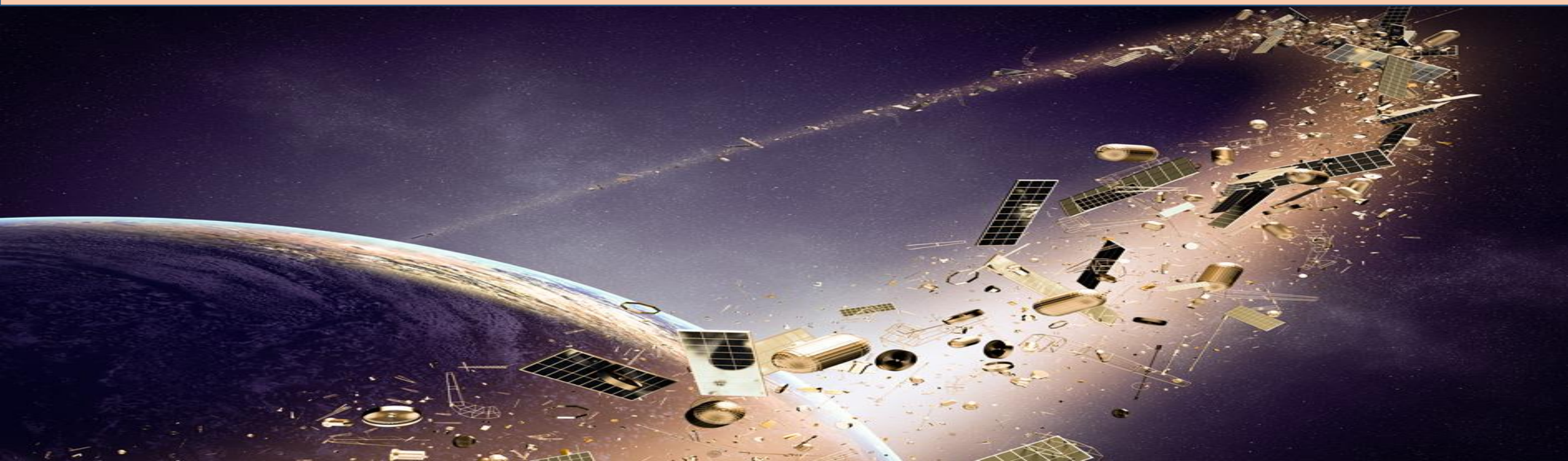
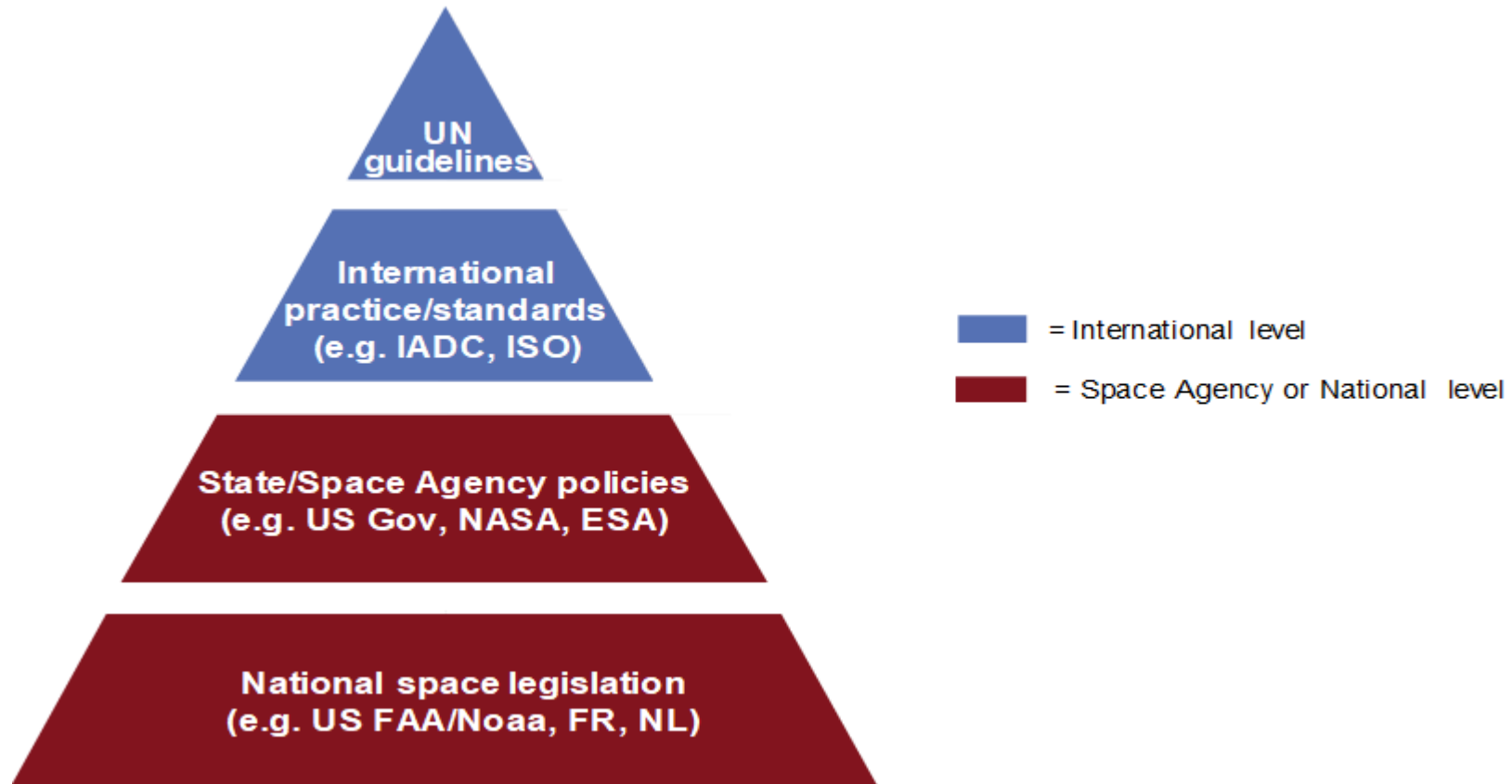


# Space Debris Mitigation



# The hierarchy of Space Debris Mitigation Instruments



# International Space Debris Mitigation Instruments

Space Debris Mitigation Guidelines of the United Nations Committee on the Peaceful Uses of Outer Space, 2007.

voluntarily

ITU Recommendation - ITU-R S.1003-2 Environmental protection of the geostationary-satellite orbit, 2010

voluntarily



ISO 24113:2011 Space Systems - Space Debris Mitigation Requirements

voluntarily

IADC Space Debris Mitigation Guidelines, 2002

voluntarily

Support to the IADC Space Debris Mitigation Guidelines, 2014

voluntarily

# Regional Organizations instruments

ESA Space Debris Mitigation  
for Agency Projects, 2014

voluntarily

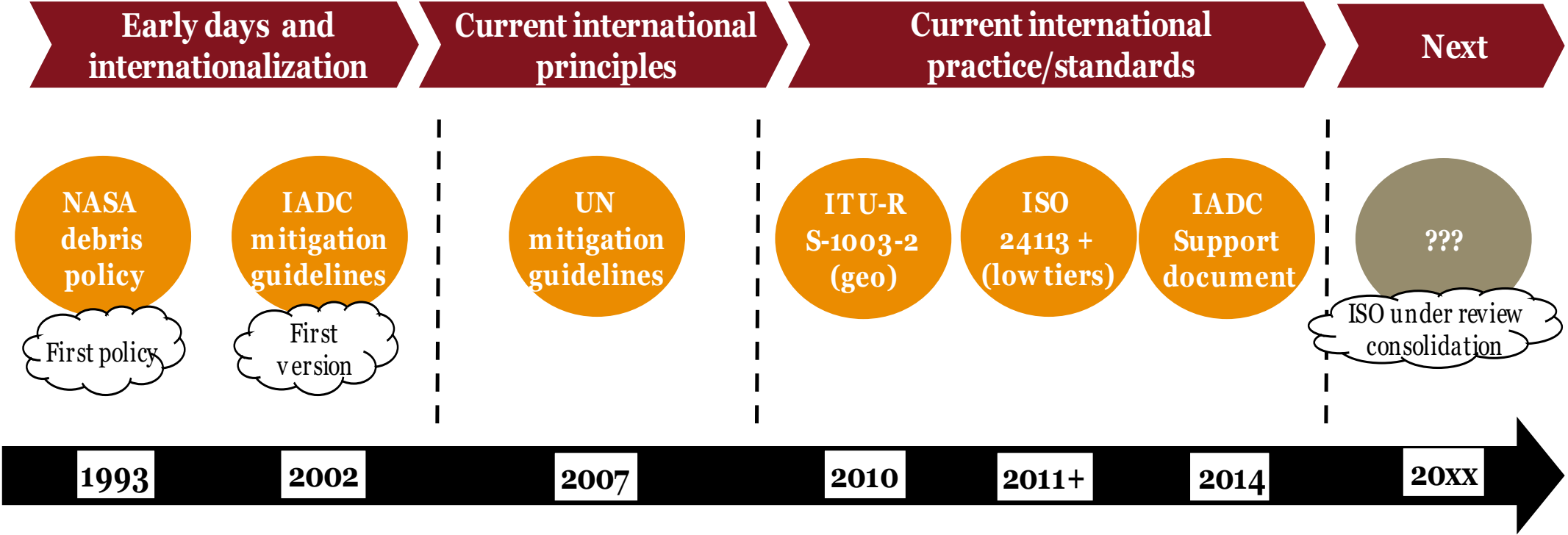
European Code of Conduct for  
Space Debris Mitigation, 2004

voluntarily





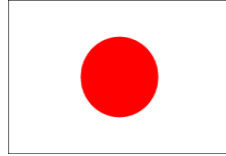
# Debris mitigation main milestones (from first national policy to current international standards)



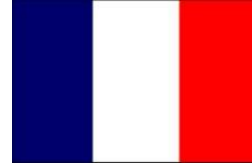
# National Space Debris Mitigations Instruments



**U.S.A.**



**Japan**



**France**



**Austria**



**U.K**



**Belgium**



**Australia**



**Canada**



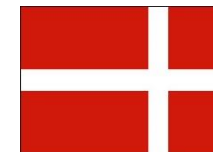
**Ukraine**



**Germany**



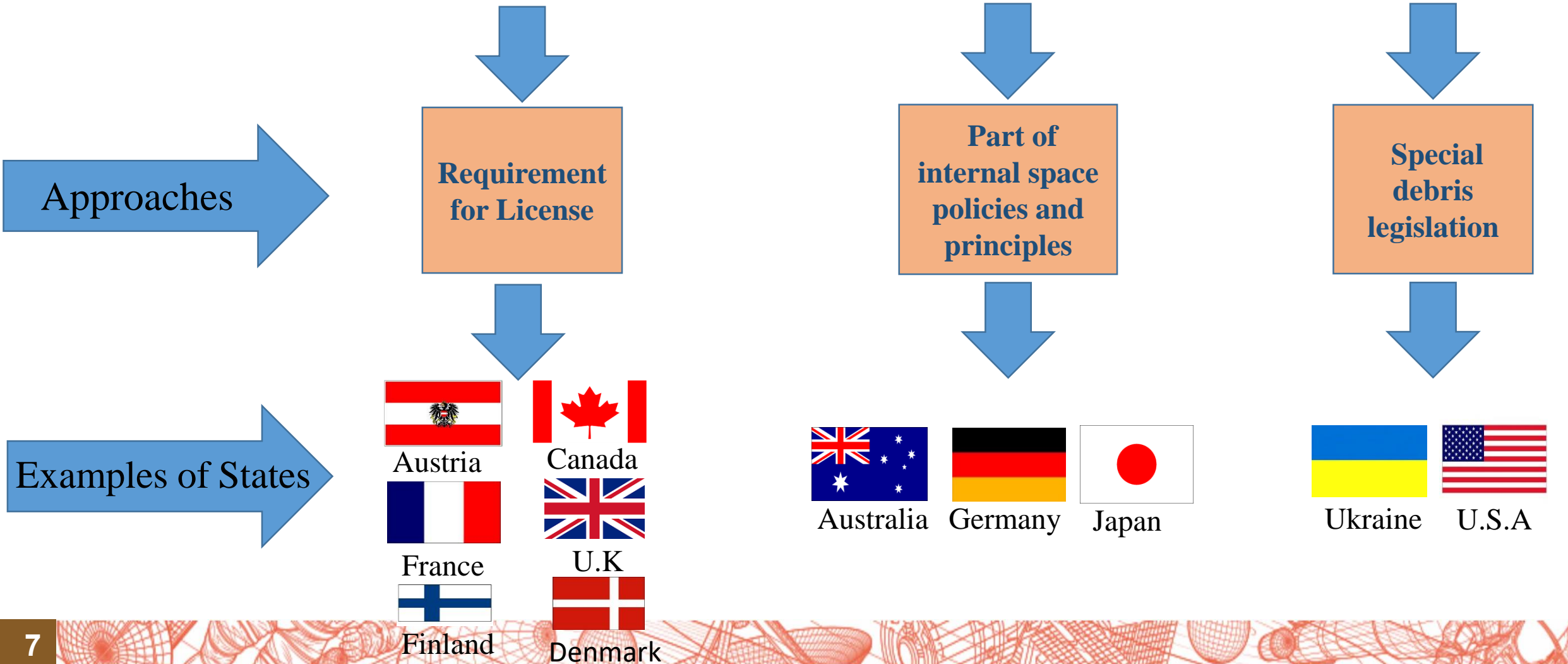
**Finland**



**Denmark**

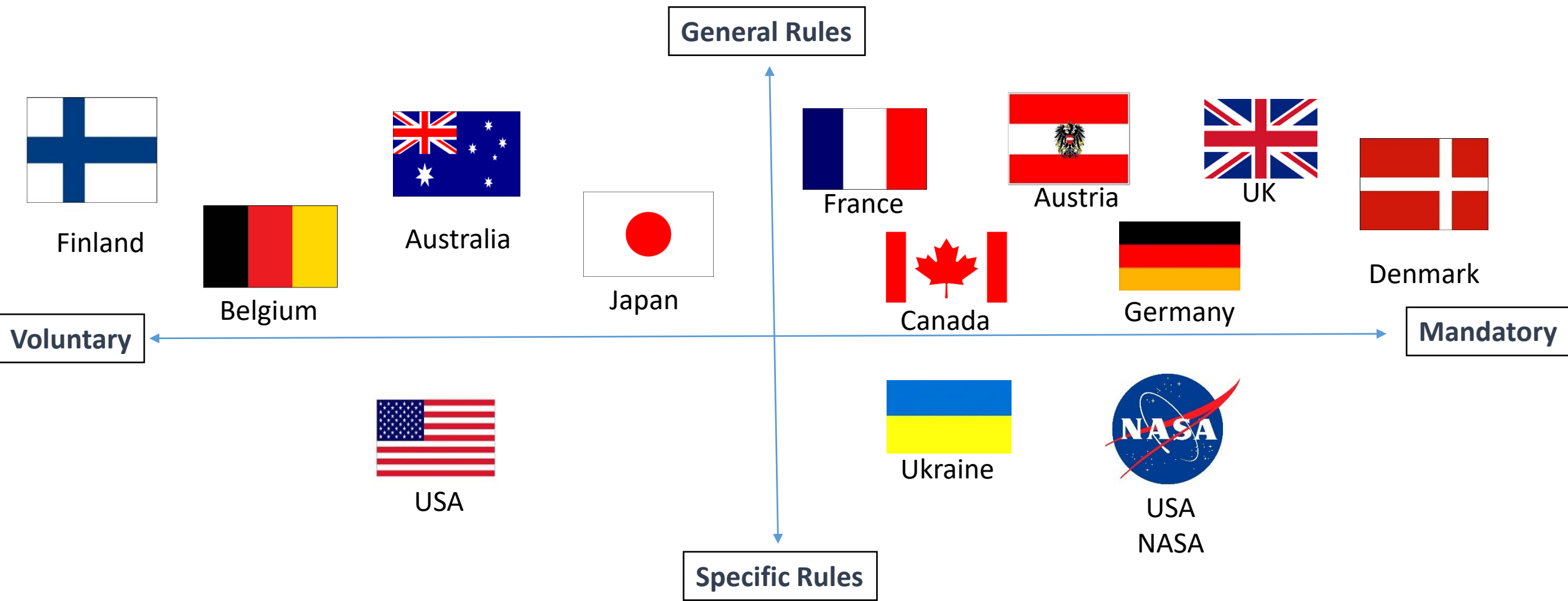


# Nations Various Approaches on Regulating Space Debris





# Nations Path on Regulating Space Debris





## Summary of implementation of space debris mitigation measures through national space legislation per each of the “seven” UN guidelines/principles, by State

#	Mandatory now				Mandatory now to some extent				Voluntary now becoming Mandatory				Voluntary			
	UK		DK		US		FI		FR (now)		FR (2021)		NL		SE	
	G	P/S	G	P/S	G	P/S	G	P/S	G	P/S	G	P/S	G	P/S	G	P/S
1	M	M	M	M	M	(-)	M	(-)	V	V	M	M	V	V	V	V
2	M	M	M	M	M	(-)	M	(-)	V	V	M	M	V	V	V	V
3	M	M	M	M	M	(-)	M	(-)	BE	BE	M	M	V	V	V	V
4	In practice, not relevant for non-governmental entities (e.g. commercial satellite operators, university)															
5	M	M	M	M	M	(-)	M	(-)	BE	BE	M	M	V	V	V	V
6	M	M	M	M	M	M (eo)	M	BE	BE	BE	M	M	V	V	V	V
7	M	M	M	M	M	M (eo)	M	(-)	BE	BE	M	M	V	V	V	V

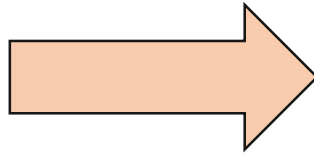
G = guidelines/principles (UN guidelines)  
P/S = practices/standards (e.g. IADC, ISO, national)

M = Mandatory BE = Best effort V = Voluntary  
(-) = unclear applicable practice/standard



# UAE Space Debris Mitigation Guidelines

**Voluntary**



**Authorization  
Requirements**



- **Space Debris Mitigation Plan.**
- **Reports.**
- **Notifications.**



# UAE Space Debris Mitigation Guidelines

**Risk  
Assessments**

**Implementation  
Plan**

**Recommendations for setting up  
the Space Debris Mitigation Plan**



# Space Debris Mitigation

