

European Space Policy Issues

15.04.2016

**Institute of Air and Space Law of
Leiden University**

Peter Hulsroj
Director, ESPI

The European Space Policy Institute (ESPI)

Mission Statement

The European Space Policy Institute (ESPI) provides decision-makers with an informed view on mid- to long-term issues relevant to Europe's space activities.

In this context, ESPI acts as an independent platform for developing positions and strategies.

ESPI provides decision-makers and the global space community with:

- Arguments underpinning the “Case for Space”
- Policy concepts for international, regional and national activities
- Analyses for mid-term visions
- Platforms for expert exchanges
- Source for cutting-edge information



ESPI Governance

2003 established as a European think tank by a decision of the Member States of ESA
2004 set up as an association under Austrian law in Vienna

ESPI Members

Founding Members



Members



Supported by



Advisory Council

- Herbert Allgeier
- Frank Asbeck
- Alvaro Azcárraga
- Frances Brown
- Ene Ergma
- Peter Jankowitsch
- Gilles Maquet
- Alfredo Roma
- Per Tegnér

European Space Policy Research and Academic Network (ESPRAN)










coordinated by ESPI



ESPI Partners



ESPI Products and Assignments

	Yearbook on Space Policy		Reports
	Studies in Space Policy		ESPI Executive Briefs
	Position papers and Memoranda		ESPI Perspectives
	Information resources		Conferences
			Specials

Assignments



Coordination of ESPRAN
(European Space Policy Research and Academic Network)



Support for EISC (European Interparliamentary Space Conference)

ESPI online

Follow us on:



Facebook [facebook.com/EuropeanSpacePolicyInstitute](https://www.facebook.com/EuropeanSpacePolicyInstitute)



Twitter [@ESPIspace](https://twitter.com/ESPIspace)



YouTube [youtube.com/ESPIfilm](https://www.youtube.com/ESPIfilm)



LinkedIn [linkedin.com/company/european-space-policy-institute](https://www.linkedin.com/company/european-space-policy-institute)

European space policy issues

Generalities

- European space policy issues are rarely just European
- Policy issues always have a normative aspect

What are the driving dynamics?

Global

- Geopolitical realignments, many new state actors
- The imbalance between states
- The rise of the private actor
- Congestion
- Debris
- Space for Earth
- Cheaper space projects, Silicon Valleyisation
- Security
- Launcher innovation
- The rival technologies

European

- The rise of the EU
- The new member states of EU and ESA
- Commercial pressures

Where do the dynamics take us?

Global

- Realignment, many new state actors, imbalance between states, rise of the private actor → challenge to governance systems, governance reform, competing prestige projects, space mining, space tourism
- Congestion, debris → Long-Term Sustainability, space traffic management
- Space for Earth, Silicon Valleysation → Environmental monitoring, navigation, telecoms, speed, social pervasiveness, SDGs
- Security → PAROS, PPWT, TCBM, International Code of Conduct, 'No first placement of weapons in space', Govsatcom
- Launcher innovation, rival technologies → New competitive dynamics, congestion versus less congestion, holistic approaches – governance challenge?

European

- The rise of the EU, new member states → Governance, governance, governance, distribution of tasks and work
- Commercial pressures → Intra-European differences, Europe – Asia

Select issues

Launchers

- ESPI Report: The European Launchers between Commerce and Geopolitics
- Ariane 6, Vega C, the death of Soyuz from Kourou
- How do we ensure European solidarity?
- Do we sell to our friends and help our friends?
- Are we vulnerable?
 - Commercially?
 - Geographically?
- Can we become disruptive?
- How to support exports?
- Small is beautiful?

Select Issues

Copernicus

- ESPI Report: Optimising Europe's Benefits from the Copernicus Programme
- Market uptake?
- Consolidation of demand?
- No CSA
- Users in the driver's seat
- Task force of involved organisations?

Select Issues

Prestige projects and the increasing importance of geopolitics

- Book: When China Goes to the Moon....
- Exploration: New space race or joint effort of humanity?
- How China changes everything
- Is the destination important?
- Who will win a race?
- The cultural fall-out

Select Issues

Space Mining

- What is the desirable outcome from a global perspective?
- Space treaties versus the US Commercial Space Launch Competitiveness Act
- The poor suckers party to the Moon Agreement
- Bottom up norm creation versus top down

Select Issues

Constellations

- A paradigm shift?
- Space as an increasingly finite resource
- Auctions and the global commons
- Governance and the private actor

Select Issues

Space tourism

- Revolution of space access?
- Space traffic management
- Forum shopping
- Envoys of Humankind?
- The liability situation

Select Issues

The role of space in society

- Report: Europe in the future and the contributions of space
 - Space 4.0
 - Technology push, societal pull
 - How to capture the future?
 - The role of space agencies
-
- Space and the Sustainable Development Goals (SDGs)
 - Humanitarian telemedicine