



Perspectives for a Europe/India Cooperation in Space







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Mission Statement of ESPI

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 Reports		Studies in Space Policy
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page 2

ESPI Research Activities: India in Space (2016-2018)

Rationales

- India: a mature spacefaring nation... with relevant assets... and great potential
- Acceleration and diversification of its space programme
- 2016 EU-India summit: need to give new momentum to the partnership

Major activities

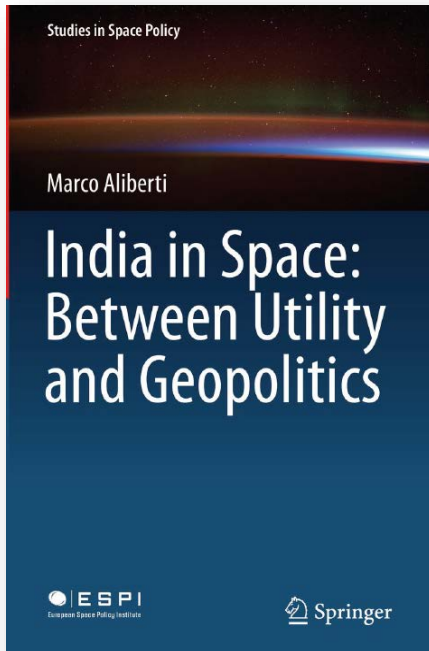
- 2017 ESPI Workshop “India in Space – The forward look to international Cooperation”
- 2017 and 2018: ORF Space Policy Dialogue
- 26 June 2018: Joint Event at Toulouse Space Show
- Research outputs:
 - Revitalising EU-India Strategic Partnership: the Role of Space > ORF
 - Understanding India’s New Space Potential: Prospects for Europe > IAC
 - India in Space: Between Utility and Geopolitics > Springer Book



ORF KALPANA CHAWLA
ANNUAL SPACE POLICY DIALOGUE



ESPI Studies in Space Policy: India in Space



Publisher: Springer
Release: February 2018

Project objectives:

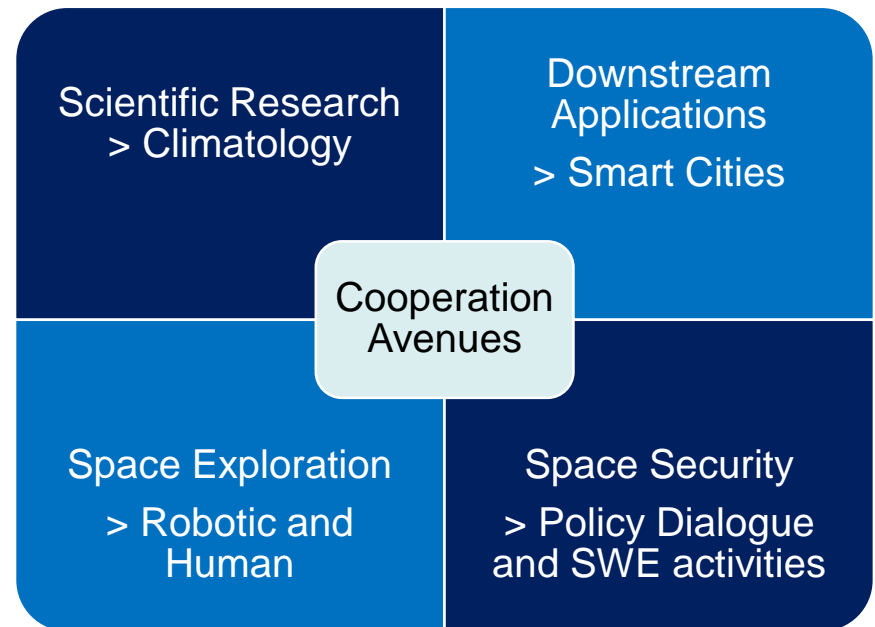
- Investigate thoroughly historical, current and possible future developments of Indian space activities in relation with Indian socio-economic and geopolitical evolutions
- Outline “the India Opportunity” and identify new avenues for mutually beneficial Europe-India cooperation

Main topics covered:

- Historical evolution of the Indian space programme
- Current landscape for space activities
- Space in India’s socio-economic development
 - Space for societal empowerment
 - Space for economic growth
- Space in India’s changing geopolitics
 - Space for diplomacy & Diplomacy for space
 - Space for security & Security of space
- India’s future path in space
- Assessment of Europe-India (space) relations
- Seizing the India opportunity – Main lines of cooperation

Key findings: India-Europe Cooperation Potential

- Diversification of the Indian space programme offers a plethora of opportunities for Europe:
 - Policy Dialogue, Exchange of Data, Joint Activities
 - G2G, B2B, B2C
- At European Level, India's cooperation potential
 - Seized by CNES and EUMETSAT
 - Largely unleveraged at EU and ESA level
 - Hurdles still persist
- Future Cooperation Avenues
 - Multiple stakeholders (National/European, Public/Commercial)
 - Multiple drivers (Political, Programmatic, Business)



ESPI Follow-up Activity: Roadmaps for Europe-India Space Engagement

Overarching objective:

- Provide a comprehensive framework for creating roadmaps between stakeholders on both sides for active engagement.
- Study itself as a catalyst in drawing stakeholders on both the sides to seize potential win-win avenues.

Assess current state and define roadmaps for:

- G2G engagement between EU (including MS) and India.
- Research and Academic engagement between EU and Indian stakeholders
- B2B and B2C engagement in both the upstream and downstream



Special emphasis on Industry engagement

- Mapping Europe-India space economy
 - All verticals covered
- Policy and Regulations (FDI, IPR, Tax ...)



Areas to be covered:

- Launch industry
- Satellite manufacturing
- Earth Observation
- Sat Communications (IFC, DTH, broadband, internet...)
- Geospatial and Navigation

ESPI Follow-up Activity: Roadmaps for Europe-India Space Engagement

Expected Outcome:

- Propose a holistic overall picture of potential engagement between EU/ESA and India in space across all stakeholders with the support of a variety of partners from both sides.
- Draw lessons from best practices of EU stakeholders for the drafting of the “Commercial Space Act in India”
- List key recommendations.

Deadline:

- Findings to be presented at the next ORF annual Space policy dialogue in New Delhi in April 2019.

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