

**High Level Forum: the way forward
after UNISPACE+50
and on Space2030**



**LEGAL REGIME OF OUTER SPACE
AND GLOBAL SPACE GOVERNANCE**

The institutions for regional space cooperation

Marco Ferrazzani
ESA Legal Counsel
Head of Legal Services
IISL Director

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Space cooperation



- Space technology and scientific cooperation principle from the beginning of space age
 - 1961 UNGA Resolution
 - 1967 Outer Space Treaty
 - 1996 UNGA Resolution on cooperation
- developing and conducting space programmes via bilateral or regional cooperation



Regionalism

- Specific regionalism in space field
- In view of rapid development of space science and technologies in the region, space cooperation appears to be more realistic
- Complex geopolitical reality and historical hostility add to the difficulty in finding an appropriate mechanism to realize regionalism in some regions

Space developments



- Technologies made breakthroughs in space science
Results are shared in cooperation
- To develop space industry, transnational cooperation is a powerful tool because of shared funding + market base
- Securing common assets and protecting space environment for sustainable development can be achieved via Regional cooperation
- Due to the history and diversified cultures and goals in each region, the situation for regional cooperation is different.



International Organizations



International Organisations at creation



Comparative approach of the Conventions

Intelsat

- Resolution 1721 U.N. General Assembly
- Outer Space Treaty

Inmarsat

- Maritime aim
- Resolution 1721 U.N. General Assembly
- Outer Space Treaty

Eutelsat

- Regional aim : Europe
- Outer Space Treaty
- Intelasat / Inmarsat

II – After the privatisation



An international regional organization in each region ?



- An independent and common organization is often the aim, but difficult because of the sensitivity of space technology
- International Government Organization is formalised and given resource when Member States agree on common goals and purpose for the intergovernmental common structure
- Long process in successive steps to realize the goals
- In the process, regional informal and scientific exchanges are a good solution to create common practices and standards, political awareness.



Shared Interest for regional cooperation

- Create a trustful atmosphere for cooperation and search for the compatible or common objectives between/among the states
- Cooperation in an open and flexible manner and carry out relevant activities in good faith
- Developing new space technology requires common methods such as technical standards in management, product assurance and engineering processes
- formalized by regional space cooperation agreements, such as common programmes or common organisation
- This legal status clarifies and guarantees a level-playing field for interests of new space-related investors

Europe

- The European cooperation/integration process started in the 1950
- For space ESRO/ELDO 1964



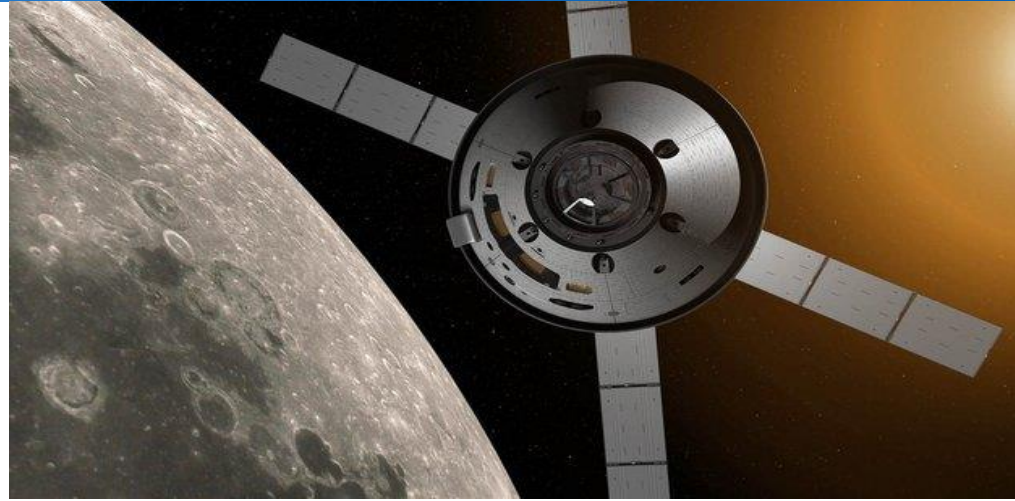
Pooling technical and financial resources
“beyond the means of any single European country”



Since 1975

- Full technical capabilities
- Economic and industrial policy objectives
- ESA Actor of intra-European cooperation
- Long-term plan and programmes
- A Convention that kept the promises and still works
legal Commentary under preparation

ESA an Agency for programmes



Europe



ESA develops for operators



European Union: space parallel competence since 2009
EU Flagships programmes



Asia Pacific Regional Space Agency Forum

- ▶ APRSAF is an organization for coordination, mainly providing a forum for discussions among the members; not a regional integration organization
- ▶ Not an institution creating binding agreement
- ▶ Open and flexible approach

APSCO



- Intergovernmental organisation similar to ESA
- **Today** celebrating 10th Anniversary
- to promote and strengthen regional cooperation with regard to the peaceful application of space science and technology
- Space technology and programs of its applications
- APSCO is a starting point as regional integrator
- Only 8 members at the current stage

Latin America

- CEA CONFERENCIA ESPACIAL DE LAS AMERICAS
Regional Forum met 7 times, since 1990:
recommendations to governments, academic
- RELACA espacio established in Buenos Aires in 2017
Technology, law and policy exchanges



Africa

- RASCOM Regional African Satellite Communication Organisation : Abidjan on 27 May 1992
- REGIONAL DIALOGUE
- AFRICAN UNION
- AFRICAN SPACE AGENCY



Reality



- A Regional FORUM is a first step, testing mechanism for space cooperation in the region
- Concerted actions from a region strengthen the status of Members in the international space arena
- Aggregation and programmes give a status
- Exchange experiences from other regions



Institutionalization of regional space cooperation

- Need to find common platforms
- A significant amount of dialogues and exchanges are conducted among national space agencies
- Besides intergovernmental entity, non-governmental entity could also be set up to draft some: rules/technical standards, apply to projects for management, product assurance, engineering which can apply to contracts and projects, to increase quality.

Regional normative functions



- IGOs are only partly equipped to enact law on behalf of the Member States: they can help Member States to adopt norms and technical Regulations;
- In the first phase of space activities, space sector was evolving slowly and activities were defined by few States
- today numerous new applications deriving from the space activities that influence new types of business models requiring refined, specific regulations.
- Economic challenges could be solved through regional cooperation. Regional IGOs might help on the way forward with space standards and best practice.



Conclusion



- Local space developments and greater security can be achieved through regional space cooperation, they are compatible and interdependent
- Due to history and international relations in each region, space cooperation will remain region specific
- Regional cooperation modes are diverse but establish a mutually beneficial development mode for cooperating countries in the region and space security for international community
- Regional space cooperation contributes to peace and security.

