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Regional Cooperation in Space Sector from the Viewpoint of **National Interest**

YURI TAKAYA (PH.D.)

RESEARCH FELLOW, LECTURER, KOBE UNIVERSITY, JAPAN

OUTLINE

- ◆ What is regional cooperation?
- ◆ What is national interest?
- ◆ Why do we need regional cooperation?
- ◆ Obstacles in regional cooperation
- ◆ What model is good for regional cooperation in 2030-2040?

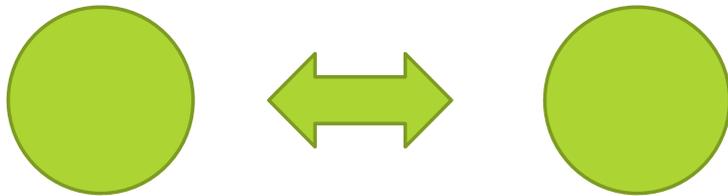
What is regional cooperation?

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What is regional cooperation?

Form of international cooperation

▶ Bilateral cooperation

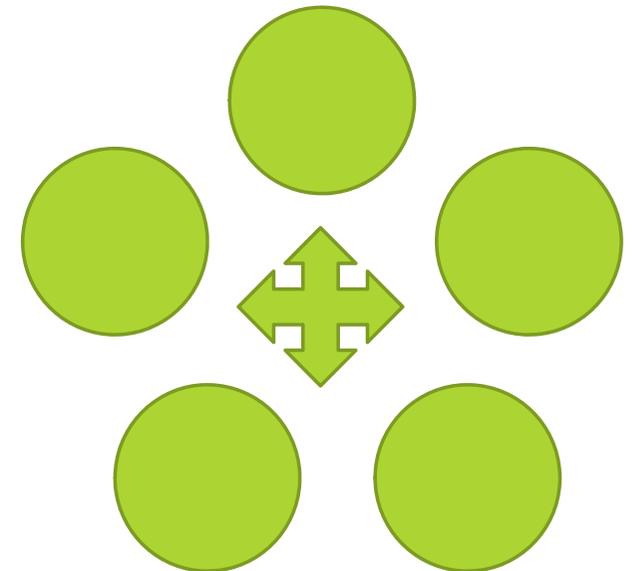


From the same region



Regional cooperation

▶ Multilateral cooperation



What is national interest?

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What is national interest?

- ▶ Each state has different national interest.
- ▶ It is a matter of **priority**.
- ▶ Example: the case of US
 - ▶ In the 1960-70s National prestige (against USSR)
 - ▶ In the 1980-90s Commercial interest
 - ▶ In the 2000s-2010s National security

→ regional cooperation needs

"common national interest with the same priority"

Why do we need regional cooperation?

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Why do we need regional cooperation?

Because space projects require...

long time

huge budget

high technology

human resources

political initiatives

→ States can get benefits from cooperation with other states



Example: International Space Station

Regional cooperation under International Law

▶ UN Charter

▶ Article 1 (The Purpose of UN)

"1. In order to **maintain international peace and security**..."

"3. To achieve **international co-operation** in solving international problems of an economic, social, cultural, or humanitarian character..."

▶ Outer Space Treaty of 1967

▶ Preface "*Desiring* to contribute to broad **international cooperation** in the scientific..."

▶ Article 1 "States shall facilitate and encourage **international cooperation**..."

▶ Article 3 "in the interest of maintaining international peace and security and promoting **international cooperation**..."

▶ Article 10 "In order to promote **international cooperation**... opportunity to observe the flight"

▶ Article 11 "In order to promote **international cooperation**... inform..."

▶ Space Benefit Declaration

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If regional cooperation is encouraged in Asia-Pacific region....

- ▶ Space project is achieved by....
 - shorter period?
 - lower cost?
 - higher technology?
 - less human resources?

→ In reality..., there are **obstacles** in regional cooperation

Obstacles in regional cooperation

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Obstacles in regional cooperation

① Dual-use nature of space technology

- ▶ Dual-use:
 - “**technology** that can be used for both **peaceful** and **military** purposes”
- ◆ In the beginning of outer space activities, super powers (US & USSR) extended an arms race in outer space by pursuing space activities.
 - **all space technology is dual-use**
 - Example: remote-sensing satellite
 - rocket
 - space weapons?
 - can destroy asteroid to protect the Earth!!?

Obstacles in regional cooperation

② Technology Transfer

- ▶ Technology Transfer concerned in space sector
 - “The transfer of space technology to another state without consent”
- ▶ State do not want their technology moved without their consent to other states through international cooperation
 - for security reason
 - for financial reason (to keep competitiveness in market)
- ◆ Missile Technology Transfer Regime (MTCR)
- ◆ UN Security Council Resolutions on Non-proliferation of Weapons of Mass Destruction and their means of delivery

Obstacles in regional cooperation

③ Different political regime

- ▶ States with different political regime have **different goals** to achieve through outer space activities.
- ▶ **ESA (European Space Agency)** has common political regime, common interest, common cultural background, etc.
- ▶ Asia-Pacific region has states with more different background than European region.
- ▶ “**Common national interest with the same priority**” needs to be identified.

Which model is better for regional cooperation in Asia-Pacific region?

Which model is better for regional cooperation?

Regional Cooperation



What are benefits and obstacles
in Asia-Pacific region?



Regional Organization

Example: ESA, APSCO

Regional Conference

Example: APRSAF

Future Regional Cooperation in Asia Pacific Region in the Space Sector in 2030-40

Regional Cooperation



Regional Organization

Example: APSCO



Regional Conference

Example: APRSAF

All states might have common national interest with the same priority in 2030-2040.



Asia-Pacific Space Agency (APSA)?

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Thank you for your attention.

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