

New Space and Innovative Industry

MYLAKE Aerospace Information Industry
International Ecosystem Event 2023

20-21 November 2023

New Space



Space is undergoing a profound transformation. Private actors are now shaping a global market that has long been driven by public institutions. Innovations from space have become key technologies for climate protection and data-driven business models – on Earth and in orbit. But how can we improve the transfer of promising ideas into helpful products or services? How do we finance these often-costly ventures? How can governments moderate the transformation of space?

Munich New Space Summit 2023

Next

New Space Summit 23-25 October 2024

<https://www.munich-newspace-summit.org>

17 November 2023

The path to talents



- **imagination gives direction**
 - **Encourage fantasy in very young children**
- **science provides understanding**
 - **Confront children with reality – high school**
 - **Give them tools to realize fantasy - university**
- **technology makes it possible**
 - **Provide environment to realize fantasy – extraction of talents**

Responsibility for creating talents

- **Education** - government
- **Selection of talents** – encourage individual initiatives through venture capital (government funds, bank or individual investments)
 - **Important** : failure is not punished



- Innovative industry

Environment for talents



Small companies

Advantage

Putting to test ideas, freedom of choosing partners, freedom of improvisation

Disadvantage

Finances, space, administration

Large companies

Advantage

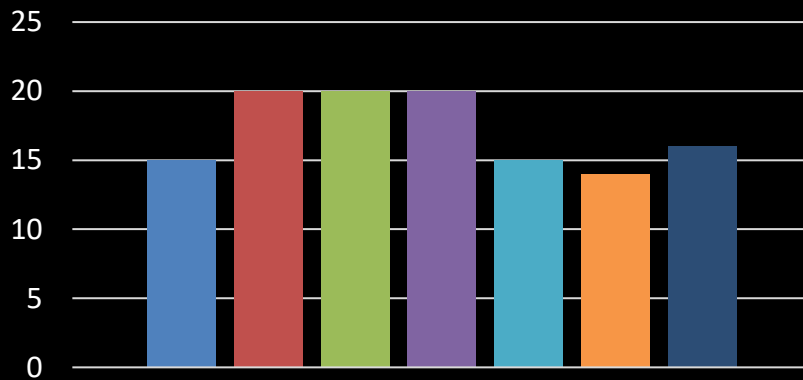
Finances, space, administration

Disadvantage

Hierarchy in decision making, strict working hours,

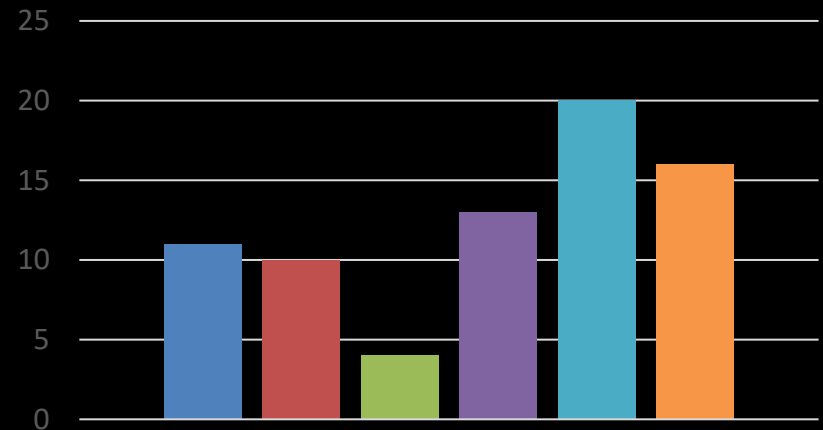
Priorities and Motivators of ESA

Technology domains



- navigation
- Integrated application
- Earth observation
- Science & Exploration
- Human space flight
- Launchers
- Satellite communication

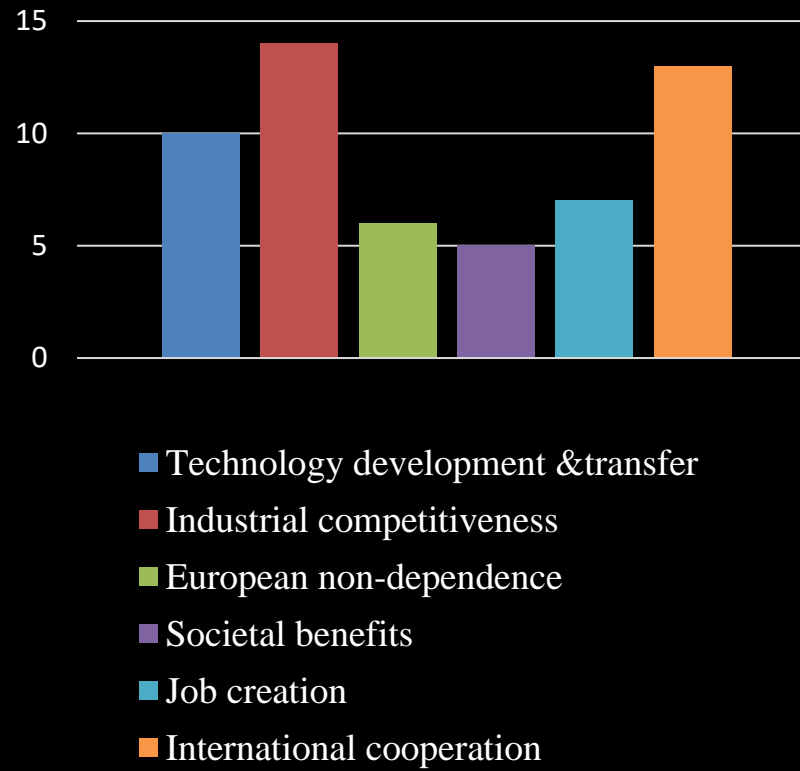
Sustainability



- natural resources
- knowledge & education
- energy
- environment
- transport & communication
- security

Priorities and Motivators of ESA

Motivation for space endeavour



Opportunities for small country

Croatia



- **Up-stream sectors**

- materials, big data, advanced communication, space science, machine to machine/human interaction,

- **Collaboration and partnership**

- spin-in, spin-off and spin-together. Disruptive new ideas within space sectors.

- **Down-stream global challenges**

- ecology, climate change, demographic development, migration, resources, conflicts and catastrophes, energy, digital divide, health.

Framework for Croatian Space Policy

- **Benefits to Public Services**
 - Early warning to health threats
 - Aid effort
 - Weather, natural disasters
- **Science and Innovation**
 - Space research
 - Collaboration with ESA and other space agencies
 - Support development of transferable space technologies
 - Support joint industry-academia risk shearing activities
- **Economy**
 - Long term targeted government intervention into space industry
 - Attract space industry investment
 - Government to increase investment in skills and technology development
 - In conjunction with ESA develop a 15 years Space Growth Action Plan
- **International and Regional Collaboration**

THANK YOU FOR YOUR ATTENTION