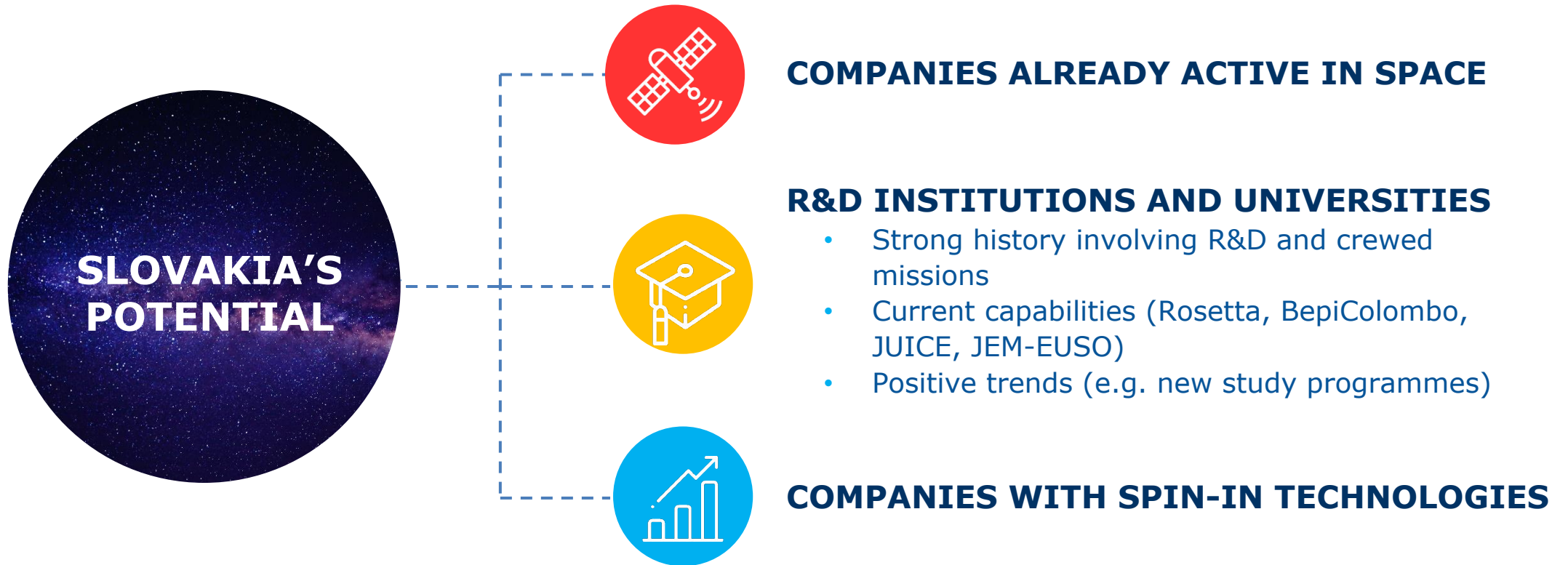




## **SLOVAK SPACE SECTOR OVERVIEW – SPACE::TALK**

OCTOBER 2021



# SPACE ECONOMY OVERVIEW

## SLOVAK SPACE COMPANIES IN FIGURES

Slovakia has **more than 40 companies actively involved** in the space economy. On top of that, there are **more than 50 other companies** with a strong potential of entering space - working in relevant areas of sectors such as **electronics, high precision machinery, industry 4.0 and ICT**. Several of them already have initial experience with space projects.



### KEY FIGURES

40

**Companies directly involved** in the space economy with 50+ more active in related areas

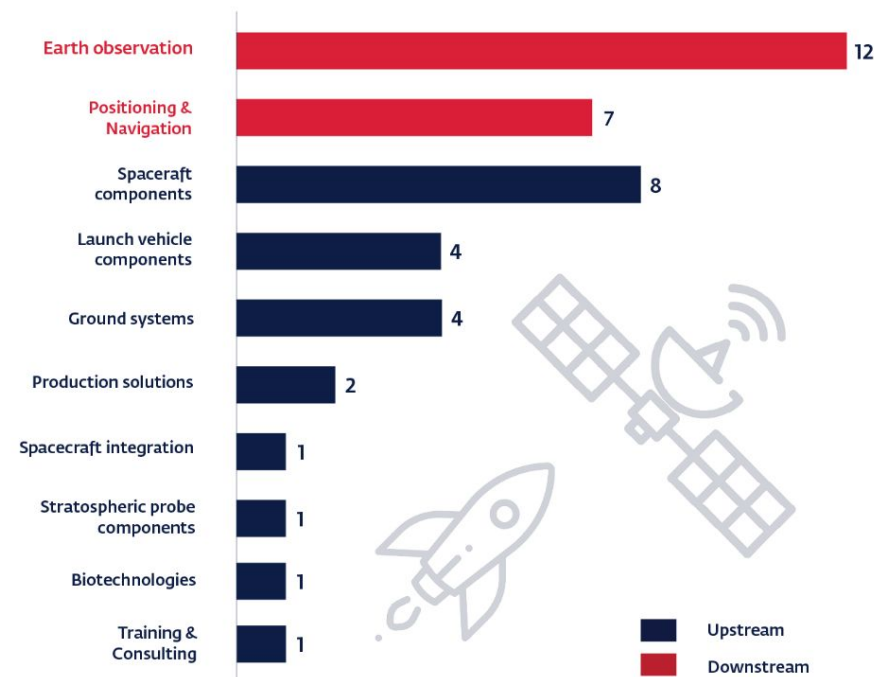
550

**People employed** by companies directly involved in the space economy

€  
120  
M+

**Revenue generated** by companies directly involved in the space economy

### Number of Companies Directly Involved in Space Sector



# SPACE ECONOMY OVERVIEW

## COMPANIES - UPSTREAM

- Spacecraft components



- Ground systems & surveillance



- Launch vehicles & components



- Biotechnologies



- Spacecraft integration



SPACEMANIC

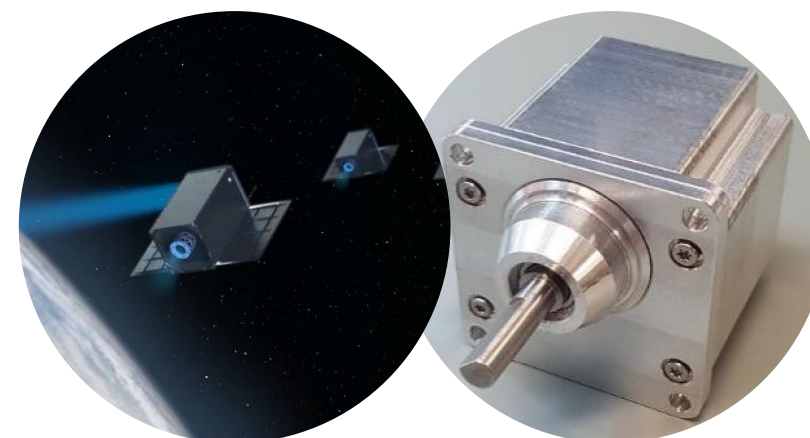
- Stratospheric probes



- Production & Testing



- Training & Consulting





# SPACE ECONOMY OVERVIEW

## COMPANIES - DOWNSTREAM

- Remote sensing / Earth observation



insar.sk



- Navigation & Positioning



# BROADENING THE INDUSTRIAL BASE

PROSPECTIVE SOURCES OF FURTHER POTENTIAL

## TECHNOLOGY TRANSFER



## DIVERSIFICATION / SPIN-IN



Automotive  
Industry



Mechanical  
Engineering



Electrical  
Engineering



ICT



# INTERNATIONAL SPACE COOPERATION

RELIABLE PARTNER IN EUROPEAN & GLOBAL STRUCTURES



## EUROPEAN SPACE AGENCY

After signing the Cooperation Agreement in 2010 and the European Cooperating State Agreement in 2015, Slovakia joined the Plan for European Cooperating States (PECS) of the European Space Agency (ESA). Since then, **ESA launched 6 PECS calls in Slovakia**. The intention of the Slovak Republic is to strengthen the cooperation with ESA with an **ambition of becoming its Associate Member**

## EUROPEAN UNION

As a member state of the European Union, Slovakia is actively involved in all the key components of the EU space programme including **Galileo, EGNOS, Copernicus, SSA/SST** and **GovSatCom**. Slovak companies and research institutions are also taking part in **Horizon 2020** space projects.



## OTHER INTERNATIONAL INVOLVEMENT



UNITED  
NATIONS -  
COPUOS



INTERNATIONAL  
ASTRONAUTICAL  
FEDERATION



COMMITTEE ON  
SPACE RESEARCH



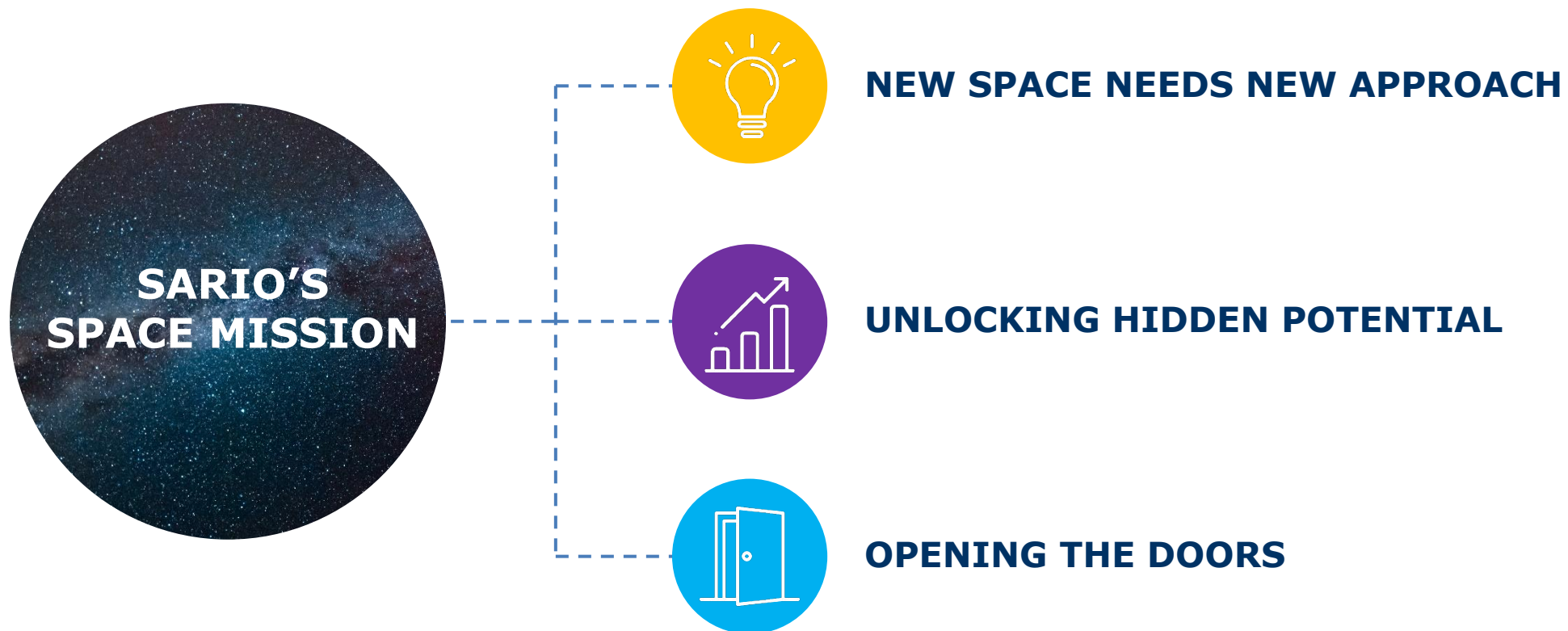
EUMETSAT



EUTELSAT IGO



EUROPEAN CENTRE  
FOR SPACE LAW





## SARIO'S SPACE ACTIVITIES

BUILDING UP ON 2 YEARS OF SARIO'S SPACE INVOLVEMENT

2

Years of systematic work

13

Companies with  
ongoing diversification  
into space

22

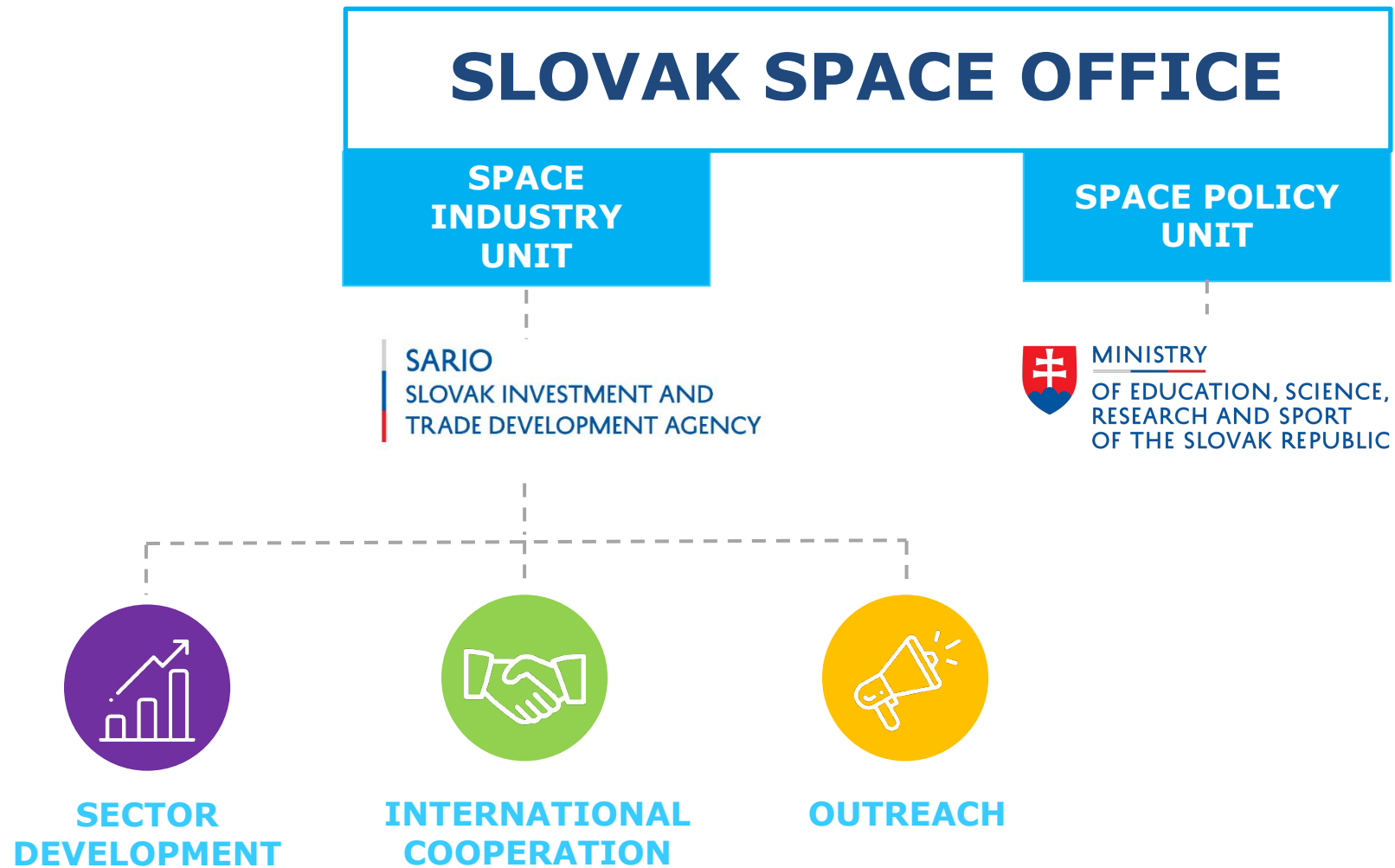
International/local  
projects & partnerships  
created

### MAIN EVENTS

- **Slovak Space Tech Day** with Thales Alenia Space (June 2019)
- **Getting into Space** workshop with ESA (September 2019)
- **Slovak Space in Brussels** (January 2020)
- **Slovak Space Tech Day 2** (September 2020)
- **Slovak Space Tech Day 3** (November 2021)

### PARTNERS ABROAD







SAVE THE DATE OPEN FOR 2021



#### Main Partners

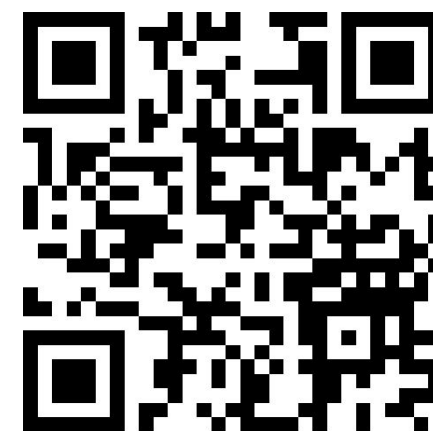


#### Partners & Speakers



#### Media Partners







SARIO  
SLOVAK INVESTMENT AND  
TRADE DEVELOPMENT AGENCY

SLOVAK  
SPACE OFFICE

# Slovak Space Incubator

BA | ZA | KE

- Premises and mentoring from host partners in 3 locations across Slovakia
- Additional mentoring from successful actors in Slovak space and start-up ecosystem
- Feedback on the project from renowned foreign experts
- Support in fundraising and matchmaking with VC players

Lokality (HUBy)	Host'ujúce firmy	Téma pre startupy
Bratislava	3IPK	Precízne lokalizačné riešenia, ktoré by sa dali využiť, či už ako integrovanie alebo samostatné riešenia pre redukciu Foreign Object Damage eventov vo výrobe spacecraft komponentov
Bratislava	GOspace	Software/Hardware súvisiaci s vesmírom.
Žilina	M2M Solutions	Simulácia multiplexnej komunikácie medzi satelitom a GS, simulácia komunikácie satelitov medzi sebou (satellite as a GS, použitie csp protokol), vývoj SW pre riadenie misii - mission control center (modulárny prístup), vývoj cubesatu, vývoj prototypu rotatora pre ground station, resp. vývoj celejground station.
Košice	SAV - Ústav experimentálnej fyziky	Space Safety - Space Weather', a technológia 'Data Science - Artificial Intelligence'
Košice	T-Systems	TELCO témy 5G, IoT, VR / AR, Ux, IOT-smartcities

<https://spaceoffice.sk/space-incubator/>



## Newsletter | Slovenská vesmírna kancelária



Newsletter Slovenskej vesmírnej kancelárie je určený predovšetkým pre slovenské firmy a výskumno-vývojové inštitúcie. V rámci newsletteru vám budeme posilať aktuálne informácie o projektových výzvach, grantoch, súťažiach a iných príležitostiach, ako aj o rôznych zaujímavých podujatiach na Slovensku aj v zahraničí.

VÁŠ EMAIL \*

MENO

FIRMA

AKÉ INFORMÁCIE VÁS ZAUJÍMAJÚ

ODOSLAŤ

Podmienky ochrany osobných údajov si môžete [prečítať tu](#).

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Supporting development of the Slovak space sector and its internationalisation.  
Government Administration · Bratislava · 399 followers

Denis & 2 other connections work here · 4 employees

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**About**

Slovak Space Office is a joint project of Slovak Investment and Trade Development Agency (SARIO) and the Ministry of Education, Science, Research, and Sport of the Slovak Republic. While the ministry-led Political Branch is responsible for inter-ministerial political coordination and multilateral issues, the Industrial Branch at SARIO is in charge of developin... see more

See all details

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Slovak Space Office is one of 10 local org: ...see more

**2nd SPACE HACKATHON**  
6-7 November 2021  
Connecting

**Slovak Space Office**  
399 followers  
1d ·

During the last week's UN COPUOS session, we held an official side event themed „Space ...see more

**Space ecosystem building in emerging**

**SLOVAK SPACE OFFICE**  
NEW SPACE FOR YOUR BUSINESS

SPACE IN SLOVAKIA ABOUT US NEWS & EVENTS FUNDING OPPORTUNITIES

SECTOR DEVELOPMENT INTERNATIONAL COOPERATION OUTREACH ACTIVITIES

**Space Industry in SLOVAKIA**

The purpose of this publication is to present the results of the project „Space Industry in Slovakia“ which was implemented by the Slovak Space Office in cooperation with the Ministry of Education, Science, Research, and Sport of the Slovak Republic. The project was funded by the Ministry of Education, Science, Research, and Sport of the Slovak Republic.

**Space Industry in SLOVAKIA**

During the last week's UN COPUOS session, we held an official side event themed „Space ...see more

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