Russia is one of the leading spacefaring nations

- Rocket & space industry
- Rocket & spacecraft manufacturing
- Cosmodromes: Plesetsk, Baikonur (rent), Vostochny
- Launching services
- Human spaceflights
- Ground stations and facilities
- Ground test facilities
- Receiving and primary data processing
- Design and R&D
- Planetary exploration and astrophysics
Russian Federal Space Programme
Results and Prospects:

**2015**

**SPACECRAFT**
- Communication, broadcasting and relay: 32
- Earth observation: 8
- Fundamental space research: 1

**HUMAN FLIGHTS**
- ISS RS modules: 5

Total 128 SC launched in 10 years

Formation and maintenance of future orbital spacecraft constellations, providing services for the socio-economic development, scientific researches and international cooperation, emergency protection, implementation of human spaceflight program, designing and producing launch vehicles and equipment, laying scientific and technical groundwork for advanced space systems.

Groundwork has been laid for development of a new-generation manned transport complex as a part of the complex of manned spacecraft for missions to the Earth orbit and beyond.

The first stage of the construction of the supporting infrastructure of the Vostochny cosmodrome has been almost completed.

**2025**

**SPACECRAFT**
- Communication, broadcasting and relay: 41
- Earth observation: 23
- Fundamental space research: 4

**HUMAN FLIGHTS**
- ISS RS modules: 8

Total 155 SC launched in 10 years

The first (robotic) phase of the lunar program includes 3 missions: Luna-Glob (Luna 25), Luna-Resurs-1 (Luna 26), Luna-Resurs-1 (Luna 27).

Space Launch Complex for light, medium and heavy class LVs at Vostochny. Starting development of prospective LV (including super-heavy class).
Russia is fully committed to the norms of international space law

The state party of fundamental international space law Instruments:

01 The Treaty on Principles Governing the Activities of States in the Exploration and Use of Outer Space, including the Moon and Other Celestial Bodies

02 The Convention on International Liability for Damage Caused by Space Objects

03 The Agreement on the Rescue of Astronauts, the Return of Astronauts and the Return of Objects Launched into Outer Space

04 The Convention on Registration of Objects Launched into Outer Space

Fundamental importance for all space actors – both states, international organizations and private entities
ROSCOSMOS human capacity-building

98 enterprises
200,000 employees

ROSCOSMOS ACADEMY
- Space industry training center established in 2017
- Internal provider for ROSCOSMOS human capacity building

ROSCOSMOS and Russian universities: appropriate departments and educational programs in 23 main universities

International space law educational programs:

MGIMO
The international space law course is conducted at International Law School

Peoples' Friendship University of Russia
The Department of International Law of the Peoples' Friendship University of Russia provides a course on international space law

Samara University
Establishing a Research Institute on International Space Law
New Regional Educational Centre for Space Science and Technology

Application for training courses and programs

Curricula, Requirements for regional centers

Applicants from Russia and foreign states

Application for training courses and programs

State Policy, Industry demands

Standards and requirements

Regional Educational Centre for Space Science and Technology

Existing and future contracts

ROSCOSMOS

More than 50 Russian universities (Bauman State University, Moscow Aviation Institute, Moscow State University, Samara University, etc.)

Ministry of Science and Higher Education

United Nations

Applicants from Russia and foreign states
New Regional Educational Centre for Space Science and Technology

Key objectives

- Building a community of skilled specialists in the field of international space activities and international space law.
- Creating a mechanism for exchange of expert opinions on key issues of international space law improvement.
- Searching for common ground on areas of concern in the field of international space policy and law.
- Searching for common ground on areas of concern in the field of international space policy and law.
New Regional Educational Centre for Space Science and Technology

Key steps

- Launching the center operator – ROSCOSMOS Academy
- Signing of relevant agreements with Russian universities
- Development of funding mechanism
- Examination and analysis of educational programs, consolidation of key components
- Drafting educational plans and training programs
New Regional Educational Centre
for Space Science and Technology

First results

01 The analysis of existing Russian educational programs in the field of international space law and the assessment of possibilities of their extending have been conducted.

02 Possible directions for the implementation of specialized educational programs have been discussed with relevant departments of the Ministry of Science and Higher Education.

03 The draft concept on center operator (ROSCOSMOS Academy) activities has been developed.
## Benefits for key stakeholders: What each stakeholder will get?

### UNOOSA
- A reliable partner for UNOOSA - affiliated Regional Centre located in European part of the world and supported by one of the key players of space industry – ROSCOSMOS
- Reinforcement of the existing network of regional centres

### Ministry of Science and Higher Education
- Opportunity to ensure transparency of state policy in space education and science
- Opportunity to use internationally recognized standards for curricula and training materials

### State Space Corporation “Roscosmos”
- Transparency of state policy in space field
- Additional way to engage with potential partners from emerging countries
- Promotion of space technologies

### Higher Educational Institutions
- Opportunity to take part in the development of training courses without involvement in administrative and organizational issues
- Cooperation with international partners (universities, space agencies etc.)

### Potential participants
- Qualified academic and administrative staff, excellent facilities for education
Thank you for your kind attention!