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Ministry of Foreign Affairs of the Czech Republic

Czechia an attractive partner in space activities

CZECH SPACE INDUSTRY AND ACADEMIA

Czechia considers the **space activities as a strategic area** with high added value for our society, national economy, security, science and technology. Our country has a long tradition in the utilization of space for scientific purposes which spans six decades. During the first decades, several scientific payloads and sensors were developed together with several small scientific satellites. These activities were however implemented mostly in scientific institutions with small industrial involvement. Nowadays Czechia has over **150 established companies, start-ups and academic institutions** active and successful in space activities with the capacity of building entire satellites. A number of Czech observatories and planetariums offers excellent opportunities for observation and exploration of the sky and celestial bodies. Czech scientific research capabilities include areas such as space physics, earth sciences, life sciences, telecommunication research etc.

The development of the Czech space sector is closely tied to European space policies and the strategies of the **European Space Agency** (ESA) and the European Union. ESA is the main tool for Czechia to influence and develop space activities and participate in space projects, as Czechia became a full member as early as 2008. Another great success for Czechia, and an important factor for developing its space activities, is that the headquarters of the **EU Space Programme Agency** (EUSPA) is located in Prague. Since 2011, the **Ministry of Transport of the Czech Republic** has been responsible for the coordination of space activities. It pays a vast majority of Czechia's contributions to ESA and creates conditions for the development of space activities in our country. The Ministry of Education, Youth and Sports pays for mandatory contributions and supports scientific activities.

Czechia has its **National Space Plan** valid for 6-years period and is currently preparing the new one. The **Czech Space Team** is comprised of Ministry of Transport, CzechInvest Agency, Technology Centre Prague, Prague Planetum and the Czech Academy of Science. Under the umbrella of the Czech Space Team, the biggest space-related festival in Czechia, the **Czech Space Week,** is organized and annually brings countless foreign companies and scientists to Czechia. Ministry of Transport of the Czech Republic together with Czech Space Team are also behind the current national project "**Czech Journey to Space**", which aims to contribute to building the socio-economic potential of Czechia through the space activities.

Scan QR code to access Czech Space Directory for more information

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Major Czech Space Research and Development Institutions

VZLU AEROSPACE - Czech Aerospace Research Centre - www.vzlu.cz/?lang=en

- **Czech Academy of Sciences** (Space for Humanity project - **www.vesmirprolidstvo.cz**)
  - **Astronomical Institute** (Department of Galaxies, Solar Physics, Stellar Physics and Interplanetary Matter) - **www.asu.cas.cz/en/**
  - **Global Change Research Institute (CzechGlobe) - www.czechglobe.cz/en/**
  - **Institute of Atmospheric Physics - www.ufa.cas.cz/en/**
  - **Nuclear Physics Institute - www.ujf.cas.cz/en/**
  - **Institute of Plasma Physics**
    - Research Centre for Special Optics and Optoelectronic Systems – **https://toptec.eu/en/**
  - **Institute of Psychology - https://psu.cas.cz/en/**

- **Brno University of Technology**
  - **Faculty of Mechanical Engineering - https://www.fme.vutbr.cz/en/**
    - NETME Centre (New Technologies for Mechanical Engineering) - www.fme.vutbr.cz/en/veda/centra/netme
  - **CEITEC Brno University of Technology - https://www.ceitec.eu/ceitec-but**
- **Charles University**
  - **Faculty of Mathematics and Physics - https://physics.mff.cuni.cz/kfpp/kosmos/**
  - **Faculty of Science - https://natur.cuni.cz/en**
- **Czech Technical University in Prague**
  - **Faculty of Nuclear Sciences and Physical Engineering** (Department of Physical Electronics) - **https://fjfi.cvut.cz/en**
  - **Faculty of Electrical Engineering** (Department of Measurement - Aerospace Engineering research) - **https://aerospace.fel.cvut.cz/**
  - **Faculty of Mechanical Engineering - www.fs.cvut.cz/en**
  - **Institute of Experimental and Applied Physics - www.utef.cvut.cz**
- **Palacký University in Olomouc**
  - **Faculty of Science - https://www.prf.upol.cz/en/**
- **University of West Bohemia in Pilsen**
  - **Faculty of Applied Sciences - www.fav.uwb.cz**
- **J. E. Purkyně University in Ústí nad Labem**
  - **Faculty of Environment** (Department of Geoinformatics) - **www.fzp.ujep.cz/en/**
- **Czech University of Life Sciences Prague**
  - **Faculty of Environmental Sciences** (Dep. of Spatial Sciences) - **www.fzp.czu.cz/en**
- **VSB – Technical University of Ostrava**
  - **IT4Innovations National Supercomputing Center - https://www.it4i.cz/en**
- **The Extreme Light Infrastructure ERIC, ELI ERIC - https://eli-laser.eu/**

Key Space Research Capacities in Czechia

Earth observation	**space physics and life sciences research**
space science and exploration	**launchers and propulsion systems**
multi-discipline technologies	**space situational awareness**
satellite navigation and communication	**laser technologies**

Czech Space Innovation and Business Ecosystem

- **Czech Space Team - https://www.czechspaceportal.cz/en**
- **Czech Space Alliance – www.czechspacealliance.eu/en**
- **Brno Space Cluster – www.brnospacecluster.cz**
- **Association of the Czech Aerospace Industry – www.czaerospace.org/en**
- **Czech Aerospace Cluster – www.czech-aerospace.cz**

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Czech Science Diplomacy

For more information related to international collaboration in science, research and higher education, you can reach out to **Science Diplomacy Unit** of the Ministry of Foreign Affairs of the Czech Republic at science@mzv.gov.cz.