

SCIENTIFIC WORKSHOP
10 years of the Czech Republic in ESA
Praha, 11.-14.11.2018



Beginning & Development of Cooperation with ESA

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Czech Space Office



Step 1: Framework Agreement

- Unofficial/personal contacts
- Framework Cooperation Agreement November 1996
- Ministry of Education, Youth and Sport (MEYS)
- Council for Cooperation with ESA - Advisory Body



Unispace III
conference, 1999

Step 2: PRODEX

- PROgramme de Développement d'EXpériences scientifiques)
- PRODEX Access Agreement 2000
- 6 projects

General PRODEX Programme Objectives

- To provide funding for the development of scientific instruments or experiments proposed by institutes or universities of the PRODEX Participating States, in the framework of the existing ESA projects of the various ESA Programmes (Science, Microgravity, Earth Observation, etc.).
- To improve the relations between scientific and industrial circles.

PRODEX Actors

- Scientific Institute or University
- ESA through the PRODEX Office
- Industry

Step 3: PECS Agreement

- Plan for European Cooperating States
- Membership in PECS 2003 - MEYS committed conditions
- Czech Space Office founded



Signature of the PECS Agreement
Nov 2003

PECS List of Projects

- PECS Charter Nov 2004
- PECS conditions & objectives
- Czech Board for Space Activities

Signature of PECS Charter
November 2004



PECS membership

- CR Observer of ESA Earth Observation Programme Board
- CR Observer of the ESA Ministerial Council 2005
- 28 projects, 8,22 mil. Euro, 14 organizations
- ESA Industrial Audit October 2007



Aero Vodochody



Frentech Brno

STEP 4: ESA full member

- ESA MS approved CR as the 18th member in June 2008
- Ratified Accession Treaty signed at the French Ministry of Foreign Affairs on 12 Nov 2008
- CSO:
Professional support in space tasks administration Delegates to
ESA Programme Boards and Council



International activities

- High-level Space Policy Group ESA & EC 2005
- IAF, International Astronautical Congress & Exposition since 2004
- Czech EU Presidency 2009



Domestic activities

Consultancy to governmental,
academia, private institutions

Visits of industrial partners

Information materials - magazine,
website



Seminars and conferences



IAA Human in Space Conference, Prague 2015



ESA Telecom 2007

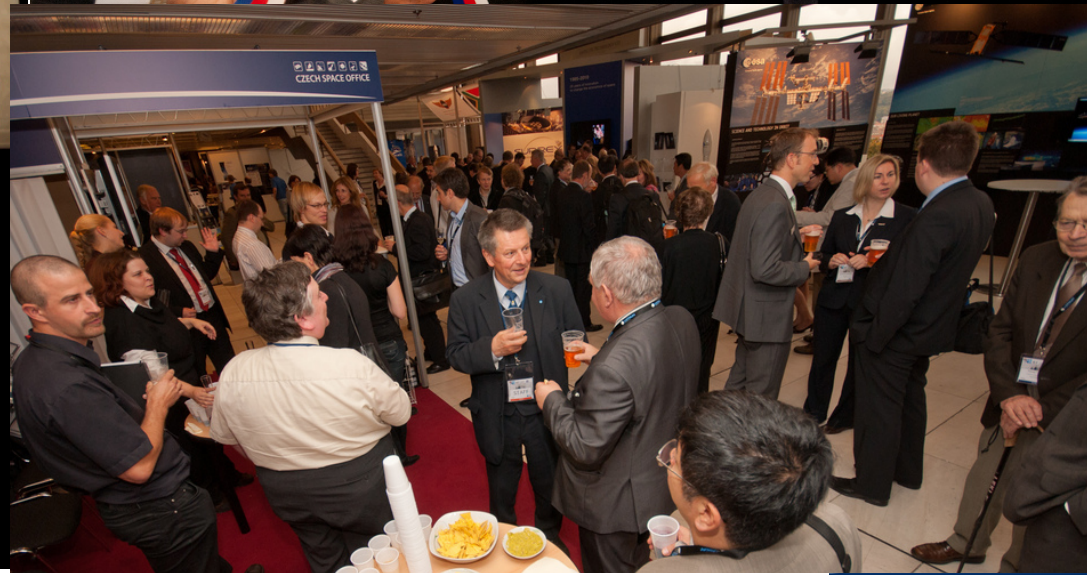


ESA Earth Observation 2007



Galileo Services 2006

61th IAC in Prague



Students & Outreach



Czech space governance

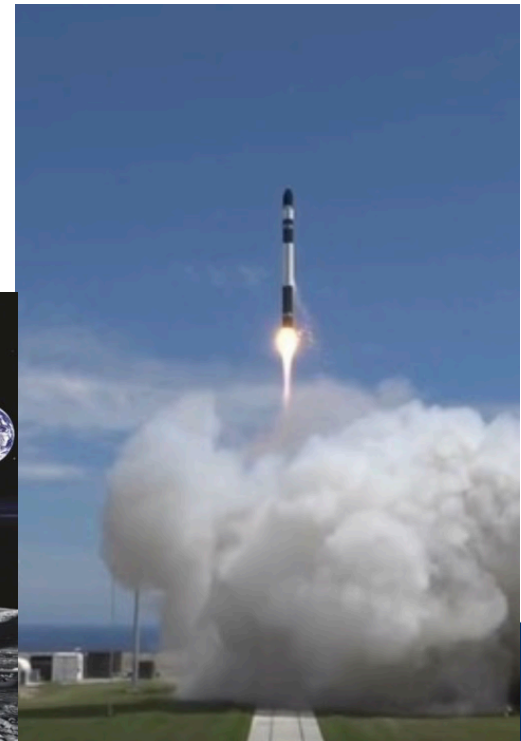
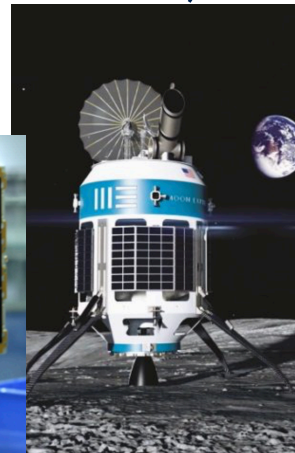
- Political decision transferred governance of the Czech space to the Ministry of Transport in 2011
- MoT is advised by Coordination Board for Space Activities (Ministries)
- CSO was substituted by government officers
- Governmental grants to CSO were closed

Opportunities in space are growing rapidly

- Traditional astronautics = Research & Development
- Production of space transportation vehicles
- Usage of commercial space transportation
- Development of ground services based on satellite applications

Success depends on:

- Financial resources
- Knowledge and enthusiasm to participate
- Supporting environment (policy+infrastructure)



THANK YOU



www.czechspace.cz