

Technology Agency of the Czech Republic

# International Cooperation

T A  
C R

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## INTRODUCTION



The Czech Republic has always been a country of innovation. Czech researchers are among the best in the world. Our country is a world leader in electron microscopy, which is a key tool for the development of nanotechnologies. The Czech Republic has a strong scientific base in the field of lasers, which paves the way for new technologies for the treatment of materials used e.g. in the surface hardening of metals or for increasing the resistance of optical components. Czech companies and research organisations are also intensively involved in the development of space rockets and satellites.



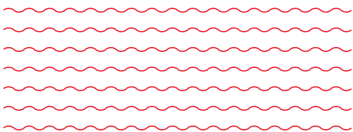
### **Did you know?**

Historically-known Czech discoveries include the lightning rod, the propeller, and contact lenses, and we were also the first to describe blood groups.

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## A WORD FROM THE CHAIRMAN



At the Technology Agency of the Czech Republic (TA CR), we perceive the support of applied research and innovation as a mission. We strive to be a modern institution with an open approach that reflects and adapts to the needs of both the market, and researchers and society.

International cooperation is important for our work. It allows us to establish important partnerships that provide us with valuable experience, such as in the implementation of projects and their evaluation. My wish is for there to be more researchers with experience in international projects and for the results of their research to find greater application in global markets.

Petr Konvalinka  
Chairman of TA CR

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## ABOUT US

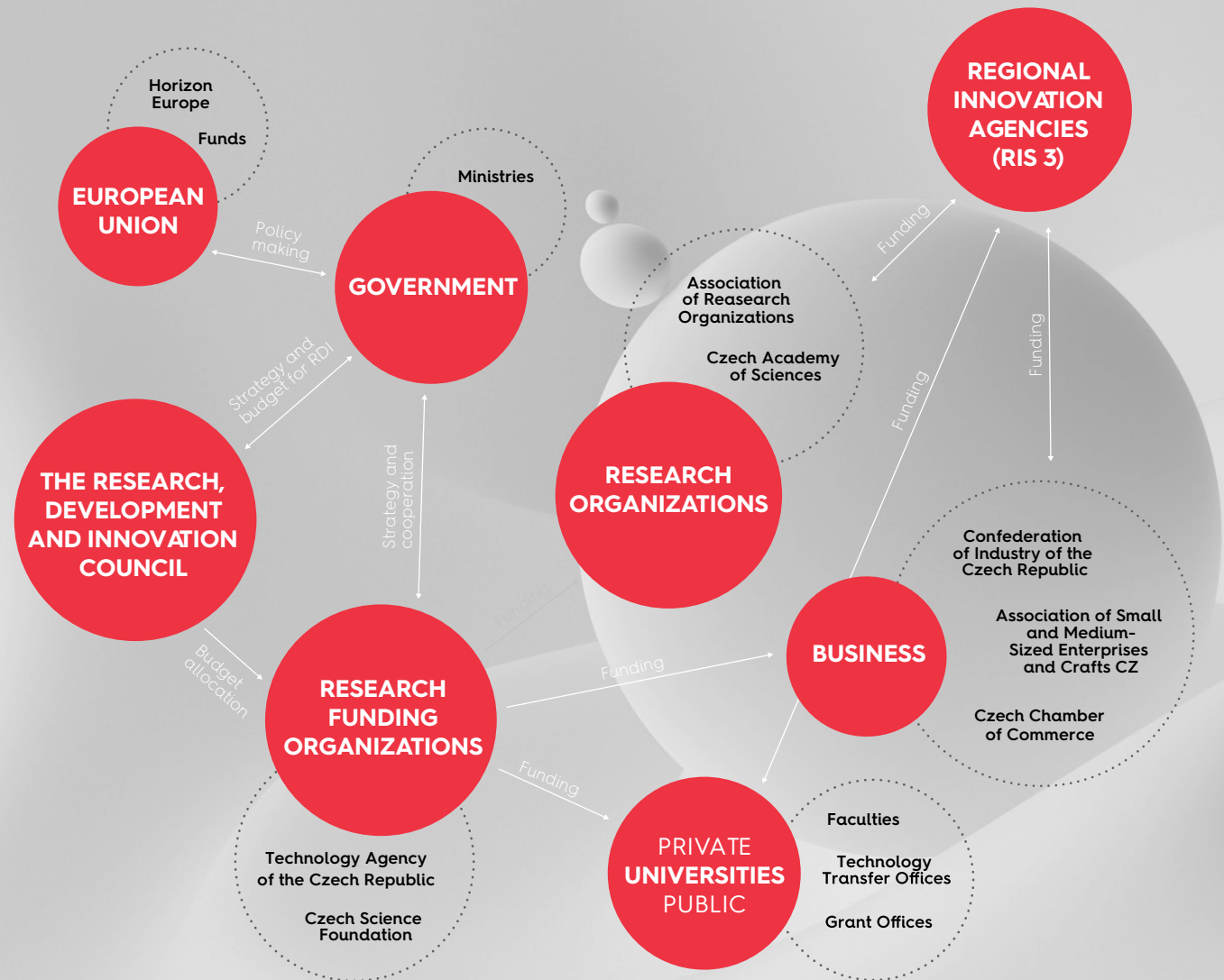
TA CR is the main provider of state funding for research and innovation in the Czech Republic. The main objective of the agency is to prepare and implement funding programmes that connect research organisations with innovative activities in companies and the state administration. Thanks to the funding of TA CR, unique products, patents, and other outputs from funded projects are created, which are then successfully applied in practice and thus contribute to increasing the competitiveness and economic growth of the Czech Republic.

## OUR VALUES

- a modern institution with an open and creative approach
- support innovative projects while maintaining the principles of objectivity, efficiency, and meaningfulness
- approach the implementation of the agenda professionally, helpfully, and transparently
- respect mutual trust, support, decency, and honesty also support teamwork and communication

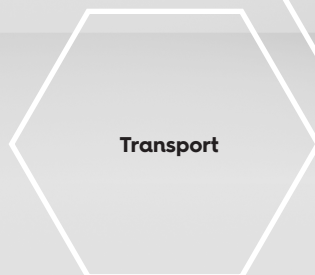


# R&D LANDSCAPE



**TA CR SUPPORTS  
APPLIED RESEARCH  
ACROSS ALL DISCIPLINES  
AND TOPICS  
OF RESEARCH**

for example:



# SUPPORT FOR INTERNATIONAL COOPERATION

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Our objective is to offer our support in research, development and innovation to as many partners as possible so that they can help us change the world for the better. TA CR is interested in cooperation with agencies and institutions developing international cooperation around the world in order to establish contacts, identify mutual priorities, exchange know-how and support joint applied research projects to ensure the development of innovation and competitiveness of partners. We understand that international cooperation and shared knowledge are essential for research. That is why we have several tools for promoting bilateral and multilateral cooperation.

## DELTA 2 PROGRAMME

The DELTA 2 Programme focuses on bilateral international cooperation in applied research between enterprises and research organisations in the Czech Republic and abroad, and provides financial support for such projects on the Czech side.

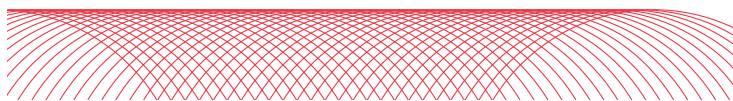
The Programme's objective is to cooperate with partners from outside the EU (Asia, South and North America).



## KAPPA PROGRAMME

The KAPPA Programme is financed by the EEA and Norway Grants and is focused on enhancing knowledge development in applied research through international cooperation of entities from Czechia with partners from Norway, Iceland and Liechtenstein.

A specific feature of the programme is that 28% of the Norway Grants is covering projects focused on carbon capture and storage (CCS). The KAPPA Programme follows the principles of European programmes and is also the first TA CR programme with requirements on open access and data management.



## ERA-NET COFUNDS & EUROPEAN PARTNERSHIPS

ERA-NET Cofund and European Partnership are mechanisms within Horizon 2020 and Horizon Europe, the European Framework Programme for Research and Innovation. These instruments provide opportunities to funding organisations from individual EU Member States (such as TA CR), associated countries and also some non-European countries to launch joint international calls for proposals under various agreed themes.

**Biodiversity Partnership**  
supporting the protection of biodiversity and ecosystems across land and sea

**Water4All**  
water security

**Driving Urban Transition (DUT)**  
energetics, circular economy, urban transport and connectivity

**Clean Energy Transition (CET)**  
clean energy

ERA-NET Cofund and European Partnership Joint Calls that TA CR has announced:

**AquaticPollutants**  
pollutants and pathogens present in water resources

**BiodivClim**  
biodiversity and climate change

**BiodivRestore**  
conservation and restoration of degraded ecosystems and their biodiversity

**EnerDigit**  
digital transformation for green energy transition

**ERA-MIN**  
raw materials research

**EuroNanoMed**  
nanomedicine research

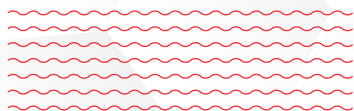
**GENDER-NET Plus**  
gender equality and gender mainstreaming in research and innovation

**CHIST-ERA**  
information and communication technologies (ICT)

**M-ERA.NET**  
materials research and innovations

**QuantERA**  
quantum technologies

# HOW INTERNATIONAL COOPERATION IS DEVELOPING



## DELTA PROGRAMME

**2014**

- A joint call together with Vietnam.
- **4** supported projects

**2018**

- A joint call with six partner countries, including seven foreign partner organisations.
- **11** supported projects



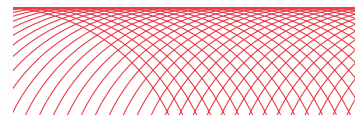
## DELTA 2 PROGRAMME

**2019**

- A joint call with eight partner countries, including twelve foreign partner organisations.
- **18** supported projects

**2021**

- A joint call with six partner countries, including eleven foreign partner organisations.
- **18** supported projects



## ERA-NET COFUND & EUROPEAN PARTNERSHIP JOINT CALLS

**2017**

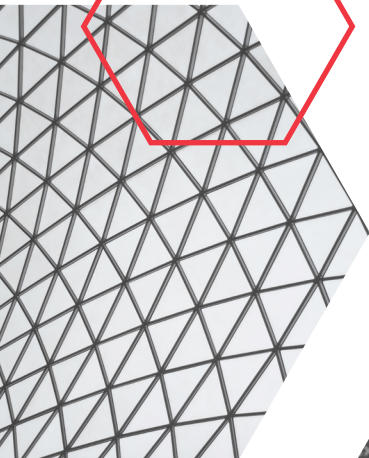
- TA CR announced 2 joint calls:
- **140** project proposals submitted of which **19** projects with **19** Czech applicants.

**2021**

- TA CR announced 6 joint calls:
- **952** project proposals submitted of which **134** projects with **180** Czech applicants.
- TA CR supported **45** projects with **67** Czech applicants.



# YOU CAN FIND OUR FUNDED PROJECTS HERE





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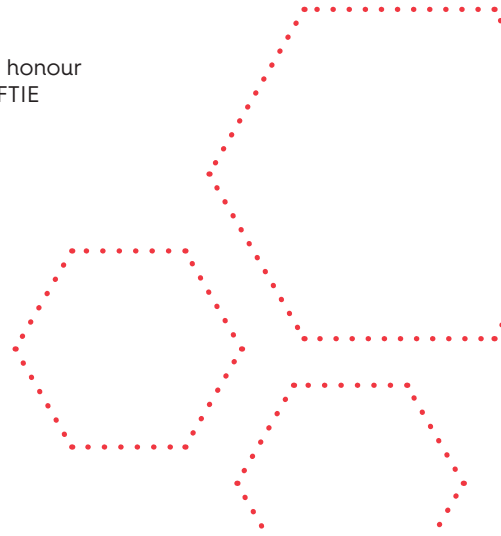
## TA CR IS MEMBER OF TAFTIE

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TA CR is a member of the TAFTIE European network of innovation agencies, which gives us the opportunity to share experience and information with partner organisations that also support research, development, and innovation in various parts of the world.

TA CR is actively involved in Taftie Task Forces, Networks, Working Groups and educational events of the TAFTIE-Academy, through which we gain valuable lessons and inspiration from our partners.

- **2010**  
joined TAFTIE
- **2017**  
TA CR had the honour  
of chairing TAFTIE





# OTHER ACTIVITIES connected with the European Framework Programme

TA CR is also involved in smaller international projects under European Union's Horizon Europe and Horizon 2020 Programme, for instance in coordination support actions (CSAs), which are internal projects aimed at improving the functioning of the agency.

## LEEP-SME

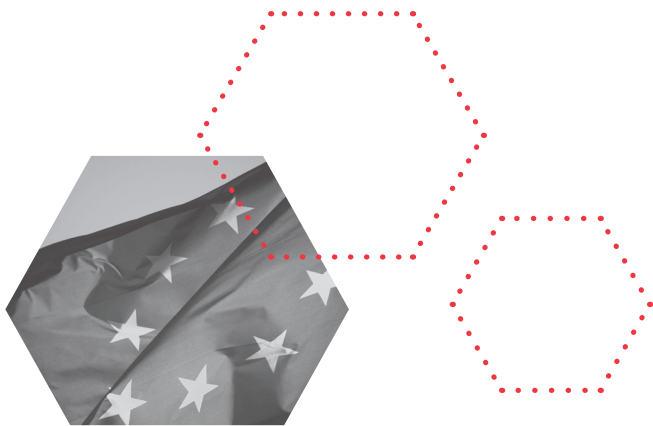
This project's goal was to build a peer-learning group of four partners and share each other's best practices and experience in enhancement of exploitation potential of projects during their whole life cycle (proposal evaluation, support during realization phase, aftercare and ex-post monitoring). At the moment it is our goal to apply these in practice in order to improve our skills for the benefit of the SMEs we influence.


## GO-SME

The aim of GO-SME is mutual learning in a culturally diverse consortium of 15 RFOs providing support to SME of various backgrounds. The focus theme of their best practice and experience sharing is how to design a funding programme allowing selection of the most promising, highly innovative SMEs to ultimately fill in the gap on the subsidy landscape. The objective is to develop a national/regional scheme generating interesting projects eligible for the EIC Accelerator. TA CR is the project

## TRAMI

This project's goal is to promote a common vision of mission-oriented policy, and enable knowledge exchange, mutual learning and the testing of mutually compatible practices of mission governance. It will be achieved by building a core network of organisations engaged in mission-oriented policies mainly at national level, but closely tied to engaged policy actors at regional, local or thematic policy levels, as well as the European Commission.





The Czech Republic has been implementing an Innovation Strategy until 2030, in which TA CR also plays a significant role.

#### IT FOCUSES ON THE FOLLOWING AREAS:

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- + Financing and evaluation of research and development
- + Polytechnic education
- + National start-up and spin-off environment
- + Digitalisation
- + Innovation and research centres
- + Smart investments
- + Intellectual property protection
- + Mobility and construction environment
- + Smart marketing

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