TACR

**TECHNOLOGY AGENCY
OF THE CZECH REPUBLIC**

The Czech Republic has always been a country of innovators. We are the nation that invented the lightning rod, the ship propeller and contact lenses, and first described blood types. It has left its mark on all aspects of technologies from holograms through nanofibres to cybernetics and astrophysics. Today the scientists benefit from the National Supercomputing Centre IT4 Innovation. The ELI Beamlines is a pan-European project representing a unique tool of support of scientific excellence in Europe, operating the world's most intense laser system.

A WORD FROM THE CHAIRMAN

Dear readers,

Our mission at the Technology Agency is to support applied research. We're trying to be a modern institution with an open approach that reflects and adapts to the conditions on the market and the needs of researchers.

The technology agency was founded in 2009. Since its founding, it has become a highly professional institution that currently employs more than 100 people. Every year, it supports hundreds of research projects by small, medium-sized and large businesses, research organisations and universities with a sum that exceeds EUR 157 million. We do this in programmes supporting local as well as international research collaboration. I'm glad that the Agency has become a highly respected institution that allocates state funds for applied research and innovation.

Petr Konvalinka
TACR Chairman

ABOUT TACR

The Technology Agency of the Czech Republic (TACR)
is the main provider of state funding for research
and innovation. Its objective is to connect together and promote
cooperation between research organisations and business
to ensure that the results of applied research find
their use in practice. Funded projects generate unique
products, patents and other outputs that help quickly
apply the results of research in practice.

Taftie
The European Network of Innovation Agencies

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

2010 — TACR joined Taftie
2017 — TACR had the honour of chairing Taftie

EUR 1,1 bilion

WAS INVESTED BY THE STATE IN APPLIED
RESEARCH THROUGH TACR

These funds led to further investments of EUR 556 million
into applied research **from other sources**

3 422

RESEARCH ORGANISATION PROJECT
PARTICIPANTS SUPPORTED

3 099

BUSINESS PROJECT PARTICIPANTS
SUPPORTED

2 530

PROJECTS FUNDED

67 %

AVERAGE FUNDING INTENSITY

117

FULL-TIME EMPLOYEES

12

PROGRAMMES SUPPORTING
APPLIED RESEARCH
AND INNOVATIONS

* In TACR public tenders

POSITION IN THE R&D ECOSYSTEM

GOVERNMENT OF THE CZECH REPUBLIC

Research, Development and Innovation Council

Institutional support

MINISTRIES

CZECH ACADEMY OF SCIENCES

TECHNOLOGY AGENCY OF THE CZECH REPUBLIC

CZECH SCIENCE FOUNDATION

Targeted support

Institutional support

Targeted support

Targeted support

MINISTRIES

Ministry
of Education, Youth
and Sports

Czech Office
for Surveying, Mapping
and Cadastre

Office of the Government
of the Czech Republic

Ministry
of Agriculture

Ministry of Transport

Ministry of the Interior

Ministry of Defence
and Armed Forces

Ministry
of the Environment

Ministry of
Industry and Trade

Ministry
of Foreign Affairs

Ministry of Labour
and Social Affairs

Ministry of Health

Administration
of State Material
Reserves

Ministry
of Regional
Development

State Institute
for Nuclear Safety

The Czech Mining
Authority

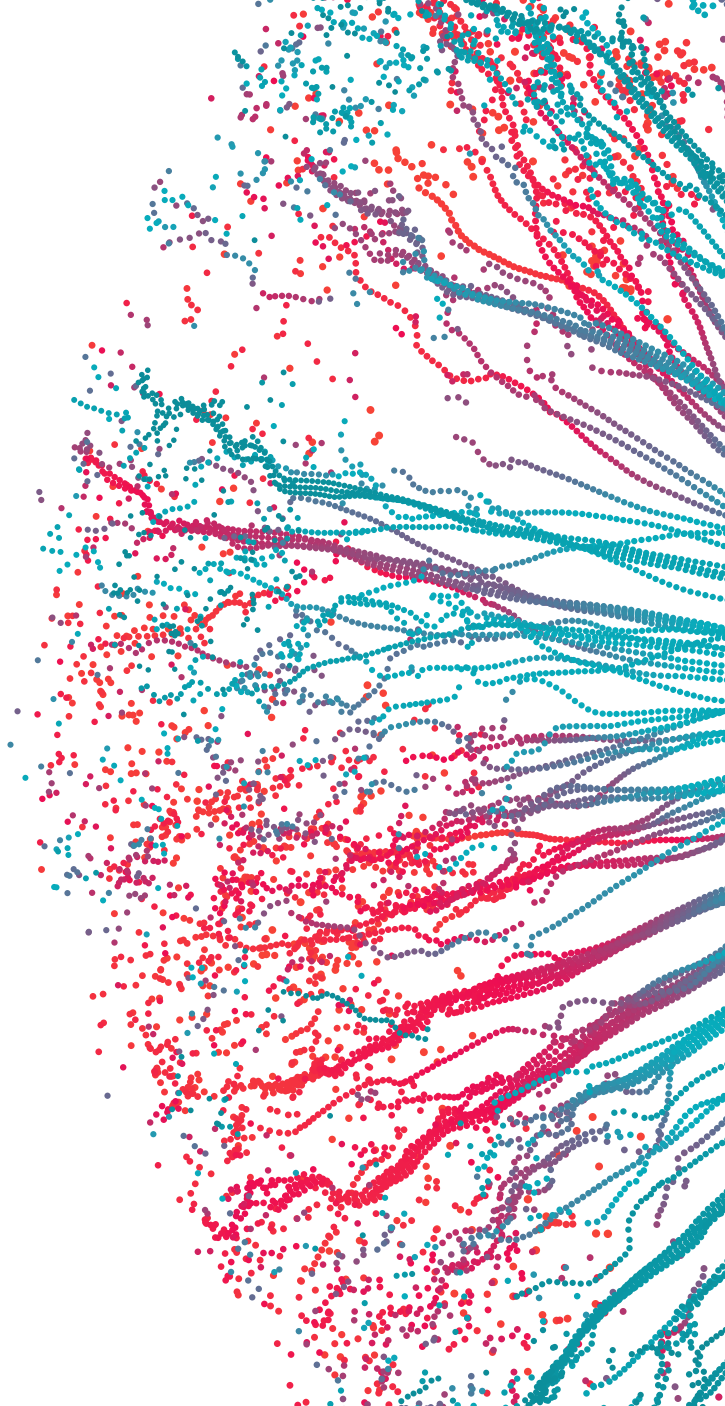Czech Statistical
Office

Energy Regulatory
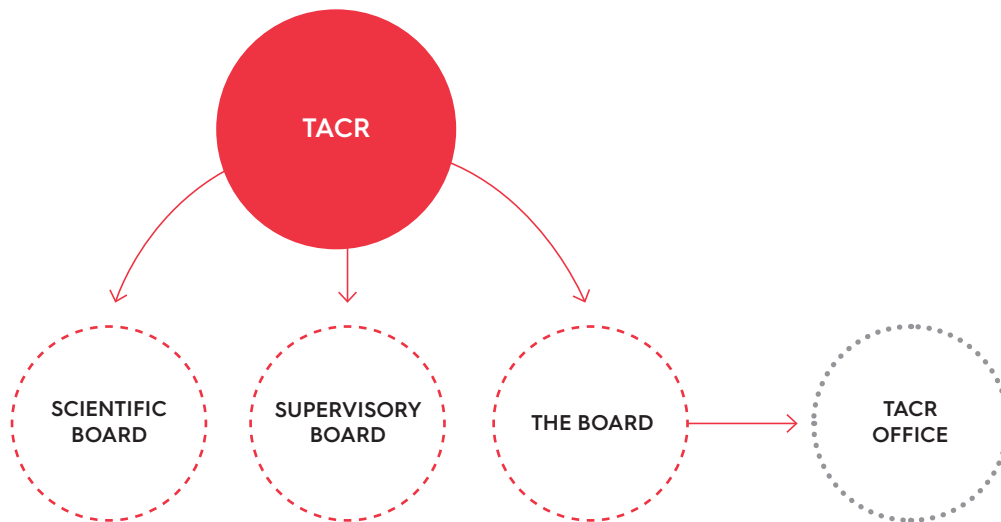Office

All providers
of targeted support

TACR

HOW TACR WORKS

The Agency is led by the Chairman, the TACR Board, the Scientific Board and the Supervisory Board. The TACR Office provides support to these bodies and it is also in charge of organisational and administrative activities for programmes.

SCIENTIFIC BOARD

The Scientific Board decides on the conceptual focus of the Agency. Its tasks include developing the TACR's strategy for the next period, choosing the focus of newly prepared programmes, nominating people for TACR and evaluating the results of TACR programmes.

SUPERVISORY BOARD

The main task of the Supervisory Board is to oversee the distribution of TACR funds.
The Supervisory Board also processes complaints and submits its opinions and recommendations to the Board.

THE BOARD

The Board is the Agency's executive body that deals with conceptual and strategic activities resulting from the meetings of the Scientific Board, with recommendations and suggestions resulting from the meetings of the Supervisory Board, with operational activities resulting from the functioning of the TACR Office and with tasks defined in government regulations.
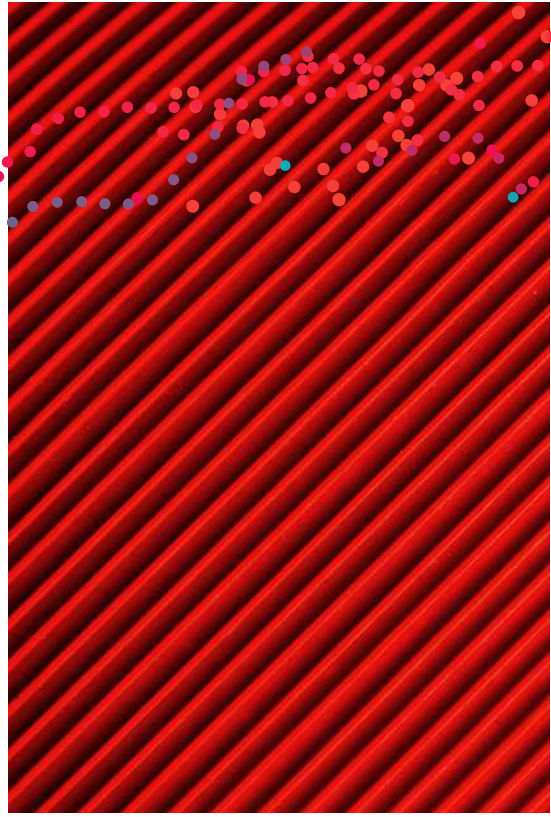
TACR OFFICE

THE TACR OFFICE IMPLEMENTS ALL OF THE AGENCY'S
ACTIVITIES AND PROVIDES SUPPORT TO OTHER TACR
BODIES. EMPLOYEES OF THE TACR OFFICE
ARE RESPONSIBLE FOR THE PREPARATION,
DOCUMENTATION, AND IMPLEMENTATION
OF PROGRAMMES.

The TACR Office is in charge of following activities and departments:

0. CABINET SECTION

- general agenda and external relations

→ HR Department
→ Legal Department
→ PR Unit

1. PROGRAMME DEVELOPMENT AND MANAGEMENT SECTION

- preparation of new Agency programmes
- international cooperation
- evaluation of TACR programmes
- reporting and exporting data related to TACR activities
- innovation potential mapping

→ Strategy and Analysis Department
→ Analysis Unit
→ Programme Unit
→ Evaluation Unit
→ International Cooperation Unit

2. PROGRAMME IMPLEMENTATION SECTION

- proposal implementation in approved Agency programmes
- evaluation and selection processes and support of selected projects
- continued support of project mplementation up to successful completion

→ Call for Proposals Department
→ Project Management Department
→ EEA and Norway Funds Department

3. OPERATIONAL SECTION

- coordination of all support bodies that keep the organisation running

→ Economic Department
→ Project Controlling Department
→ Service Department
→ Expert Management Department
→ Internal Evaluators Department

4. IMPLEMENTATION OF DEPARTMENTAL NEEDS SECTION

- alternative methods of project administration to focus on departmental research needs through public procurement
- umbrella section for activities related to research in the public interest

5. PROJECT SUPPORT SECTION

- development activities support implemented by means of internal projects
- implementation of schemes and international cooperation in the European research and innovation support programme Horizon 2020
- coordination of contributions to projects implemented across the Agency

→ Department of Counselling and Communication Support
→ Project Office Unit
→ Department of Development Activities
→ ICT Department
→ Information Systems and Methodological Suppor Unit

PROGRAMME OVERVIEW

ETA PROGRAMME

→ to strengthen the social and humanistic aspects of applied research activities

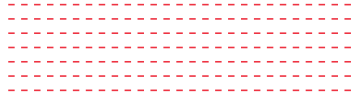|	
Programme duration	**2018 – 2023**
Program expenditures from state budget	**EUR 95 mil.**
Project duration	**at least 12 months**
Average funding intensity for the programme	**80 %**
Applicants	**Research oganizations and enterprises, other physical and legal entities under public and private law**

INTERESTING PROJECT
Prototype of Smart Seating Furniture for the New Permanent Design Exhibition at the Museum of Decorative Arts in Prague.

ZETA PROGRAMME

→ to involve the younger generation of researchers and spur practical utilisation of their results

Programme duration	**2017 – 2025**
Program expenditures from state budget	**EUR 28,6 mil.**
Project duration	**12 to 24 months**
Max funding intensity for the programme	**80 %**
Applicants	**Research organizations and enterprises**

INTERESTING PROJECT
Application of games in virtual environments combined with biofeedback for interactive training of mindfulness.

THÉTA PROGRAMME

→ to support the transformation and modernisation of the energy sector according to approved strategic documents
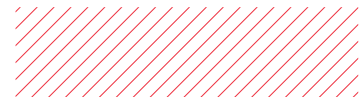
SUBPROGRAMMES
- Research in the Public Interest
- Strategic Energy Technologies
- Long-Term Technological Perspectives

Programme duration	**2018 – 2025**
Program expenditures from state budget	**EUR 158,9 mil.**
Project duration	**36 months**
Average funding intensity for the programme	**70 %**
Applicants	**Research organizations and enterprises, other physical and legal entities under public**

INTERESTING PROJECT
Innovative ventilation unit with thermoelectric modules for control of air temperature.

GAMA 2 PROGRAMME

→ to verify the results of research for practical application and commercial use

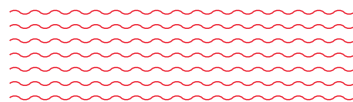|	
Programme duration	**2020 – 2022**
Program expenditures from state budget	**EUR 218,6 mil.**
Max. Project duration	**36 months**
Max funding intensity for the programme	**100 %**
Applicants	**Research organizations and enterprises**

INTERESTING PROJECT
An adaptive personal trainer that helps children who are starting to read (including those with dyslexia, dysphasia etc.), foreigners learning to read and partially also stroke patients.

INTERNATIONAL COOPERATION SUPPORT

DELTA 2 PROGRAMME

→ to support international cooperation in applied research

Programme duration	**2020–2025**
Program expenditures from state budget	**EUR 48,6 mil.**
Maximum project duration months	**36**
Maximum project funding intensity	**74 %**
Applicants	**Research organizations and enterprises**

INTERESTING PROJECTS
Implementation of applied research in cybernetic security. Created a public honeypot where it will be possible to redirect attacks from end devices to increase security for citizens.

Creation of innovative implants through 3D printing that can last in the body for more than 40 years without failure.

KAPPA PROGRAMME

→ to support international cooperation between Czech entities and partners from Norway, Iceland, and Liechtenstein while interconnecting research organisations within the application sphere

Programme duration	**2020 – 2024**
Program expenditures from state budget	**EUR 4,6 mil.**
Average project duration	**24–40 month**
Average funding intensity for the programme	**80 %**
Applicants	**Research organizations and enterprises, other** natural and legal persons
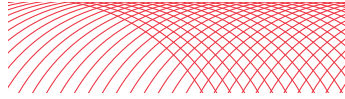
ERA-NET COFUND CALLS

→ one of the opportunities for establishing international cooperation in applied research and innovation is getting involved in joint calls in the ERA-NET Cofunds of Horizon 2020. These schemes give the providers from the individual member countries (such as the TACR) the opportunity to issue joint calls on agreed themes in various specified areas

AQUATICPOLLUTANTS
pollutants and pathogens present in water resources

BIODIVCLIM
biodiversity and climate change

ERA-MIN 2
raw materials research

EURONANOMED3
nanomedicine research (application of nanotechnology to medicine and healthcare)

GENDER-NET PLUS
gender equality and gender mainstreaming in research and innovation

CHIST-ERA
information and communication sciences and technologies

M-ERA.NET
materials science and engineering

NEW PROGRAMMES OF CZECH MINISTRIES

In 2019, TACR axpanded its programme portfolio by taking control over these departmental programmes for the Ministry of Industry and Trade, the Ministry of the Environment and the Ministry of Transport. The provider of implementation of all three departmental programmes is TACR. The implementation of the above programmes in the Agency's system will allow the applicants and subsidy beneficiaries in various programmes to apply for support in the same manner, under the same conditions, and in the same place.

TREND PROGRAMME

MINISTRY OF INDUSTRY AND TRADE

→ to increase competitiveness of Czech companies by supporting industrial research and experimental development projects and promotion of their results

SUBPROGRAMMES
- Technology Leaders
- Newcomers

Programme duration	**2020 – 2027**
Program expenditures from state budget	**EUR 385,5 mil.**
Project duration	**12 – 60 months**
Average funding intensity	**65 %**
Applicants	**Research organizations and enterprises**

TRANSPORT 2020+ PROGRAMME

MINISTRY OF TRANSPORT

→ to develop the transportation sector in a way that reflects social needs

Programme duration	**2020 – 2026**
Program expenditures from state budget	**EUR 77,5 mil.**
Project duration	**12 – 48 months**
Average funding intensity	**80 %**
Applicants	**Research organizations and enterprises**

ENVIRONMENT FOR LIFE PROGRAMME

MINISTRY OF ENVIRONTMENT

→ to secure a healthy, high-quality environment and sustainable use of resources

SUBPROGRAMMES
- Operative Research in the Public Interest
- Enviromental Innovations, Technologies and Procedures
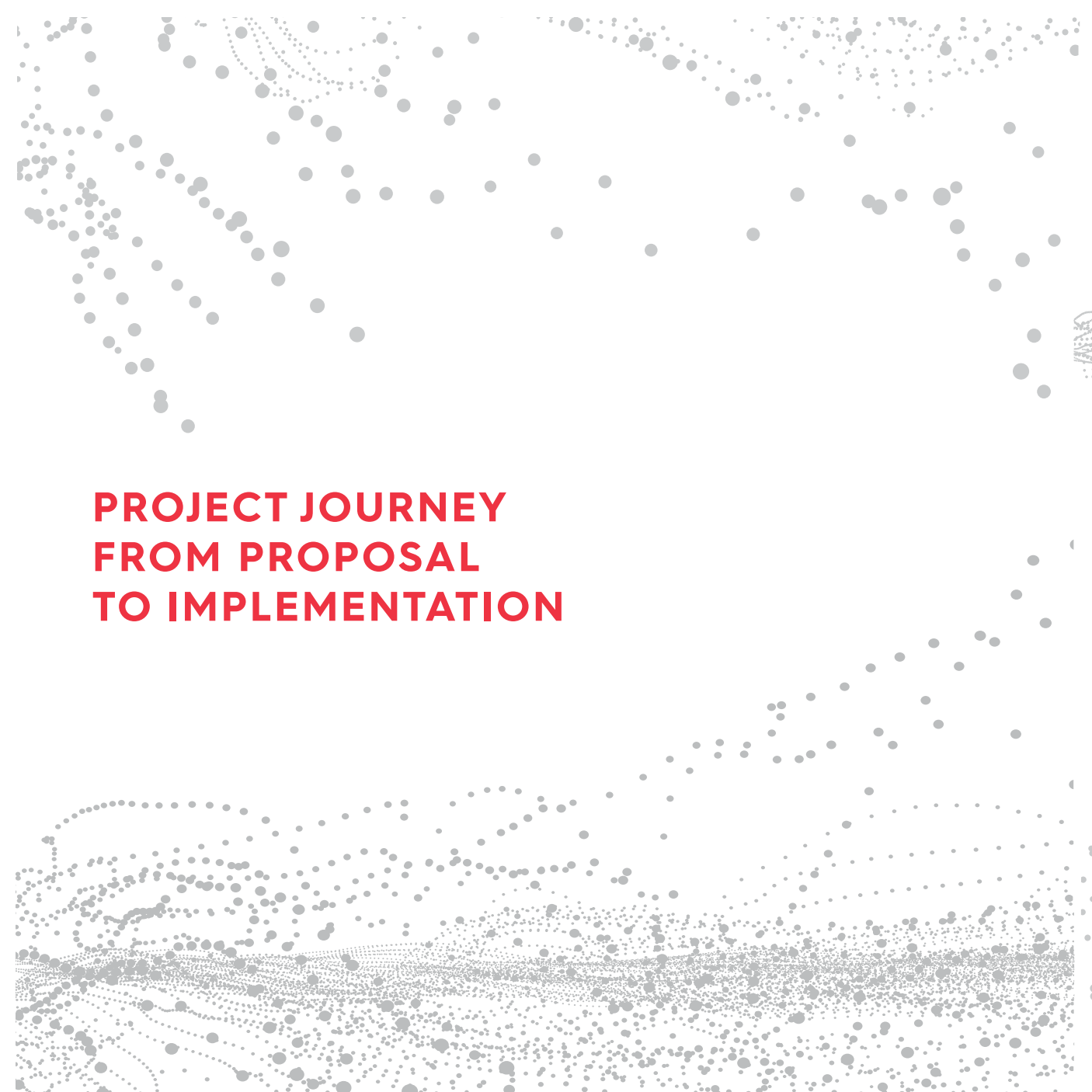- Long-Term Enviromental and Climate Perspectives

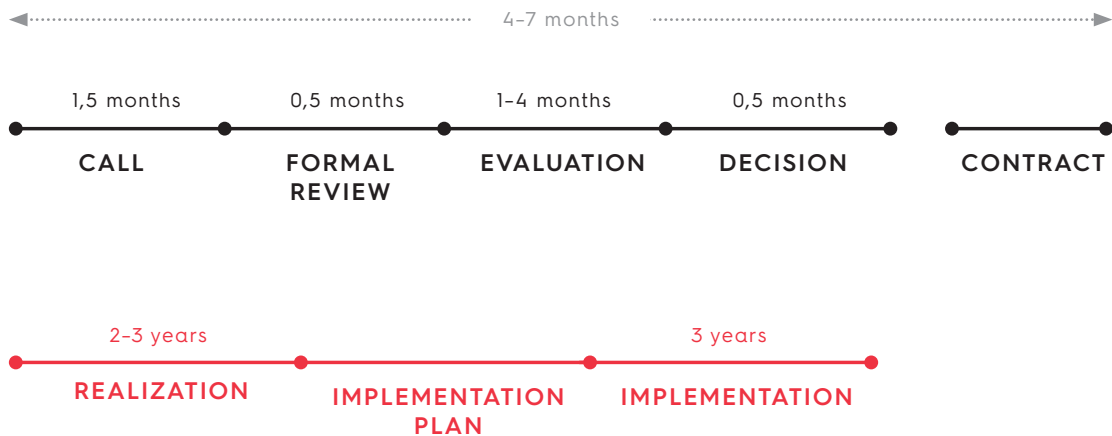|	
Programme duration	**2020 – 2026**
Program expenditures from state budget	**EUR 153,6 mil.**
Average project duration	**30 months**
Maximum amount of project funding	**100 %**
Applicants	**Research organizations and enterprises, other physical and legal entities under public and private law**

PROJECT JOURNEY
FROM PROPOSAL
TO IMPLEMENTATION

PROJECT LIFE CYCLE

4–7 months

1,5 months	0,5 months	1–4 months	0,5 months	
CALL	FORMAL REVIEW	EVALUATION	DECISION	CONTRACT

2–3 years		3 years
REALIZATION	IMPLEMENTATION PLAN	IMPLEMENTATION

PROJECT PROPOSAL EVALUATION PROCESS

1 Public Tender Announcment

2 Receiving project proposals and qualification documents

3 Evaluation of the fulfillment of the tender conditions

4 Evaluation of project proposals

Oponents evaluation

Rappourter evaluation

Evaluation of the College of Experts

Control of the expert advisory body

Decision of the TACR Board

5 Announcement of the results of the tender

6 Issuance of the Decision to grant support and conclusion of the contract

Candidates and beneficiaries can use the helpdesk at any time.

WE MAKE OUR AND YOUR WORK MORE EFFICIENT AND SIMPLER

STARFOS

- full-text search engine for research and innovation projects supported from public funds of the Czech Republic
- provides detailed information on each project including researchers, funding and achieved results

ISTA

- information system for the entire process of targeted support provisioning
- provides connection and links to the relevant public administration registers, state information systems in order to streamline the functioning of the public administration concering the provision of state aid to R&D

DATA VISUAL

- simple and user friendly presentation of information on the support of applied research and innovation form #TAČRvDatech (#TACRinData)
- the aim is to provide information about Czech applied research in infographics

INKAVIZ

- online presentation of data from INKA (Innovation Capacity) mapping which examines the innovation potential of Czech entities in collaboration with individual regional branches

Our clients can discuss the development possibilities of their research activities with our representatives in most regional capitals who will guide them through their options in receiving state support for applied research and innovation.

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C R

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