



**MASARYKOVA  
UNIVERZITA**

# **National Funding Opportunities**

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# Research funding sources at MU

2 main sources to fund research at MU:

## Projects

1 039 311 000 CZK (2016)

**Won** through grant competitions at different grant providers.

In 2016:

49% National grants

5,4 % International Grants

4,6% European Structural and Investment funds (ESIF)

**59%**

## Institutional Support (IS)\*

725 641 000 CZK (2016)

### Received

according to the law

130/2002

**41%**

**Projects are the main source of funding for research at MU.**

\* IS – Includes Specific research

## Overview of the grant providers

### National grants



Ministries

### International and co-funded grants



SO-MO-PRO-

- [EMBO](#)
- [EHP/Norway grants](#)
- [International Visegrad funds](#)
- .....

### European Structural and Investment funds



**OP VVV**

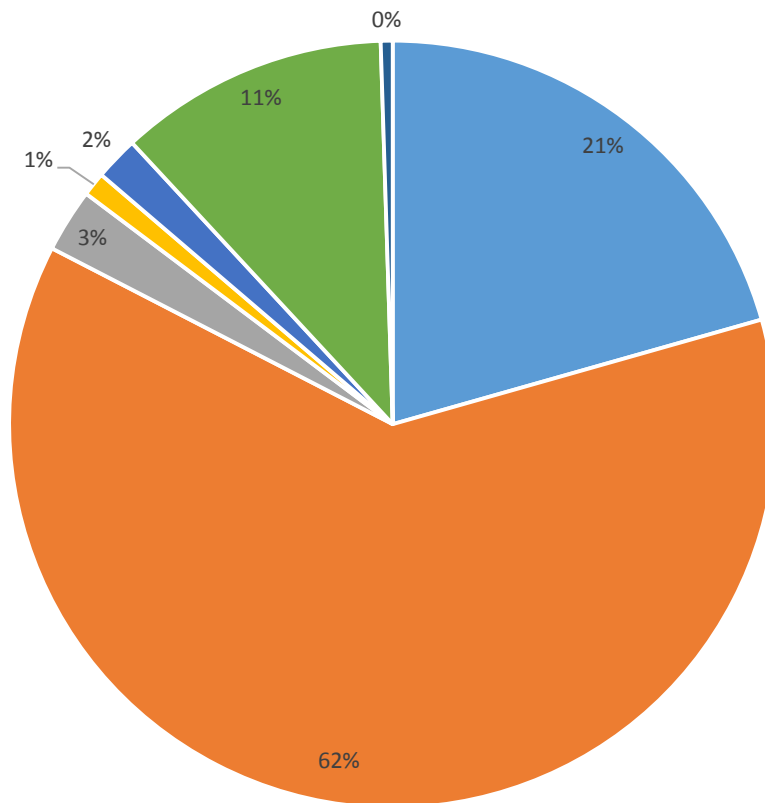
EVROPSKÁ UNIE  
Evropské strukturální a investiční fondy  
OP Výzkum, vývoj a vzdělávání



**OP PIK**



## National grants at MU in 2016 (without ESIF)

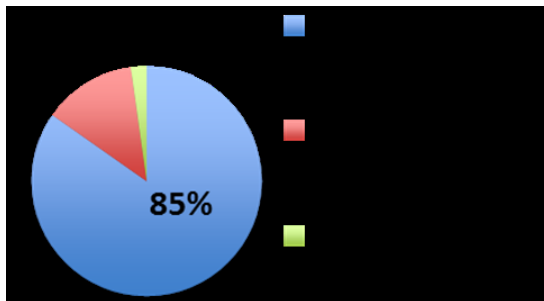


- MEYS - competitions
- Czech Science Foundation
- Technology Agency
- Ministry of Culture
- Ministry of Interior
- Ministry of Health
- Ministry of Agriculture

## Basic research

- Projects for 2-3 years
- The PI defines the topic
- Individual and collaborative projects
- 1 call per year in the individual programmes  
- deadline for 2018: April 11
- Annual GAČR budget cca. 3,5 bill. CZK
- Success rate: ca. 33 %

## GAČR budget distribution



## Programmes

### Standard projects

Excellent basic research

### Junior grants

Up to 8 years after PhD,  
international experience required

### Bilateral projects and LA grants

International cooperation (Austria,  
Germany, Korea, Taiwan)

### ERC Support

Additional support for GAČR Junior  
grant holders leading to ERC grants

T A  
Č R

## Applied research

- Collaborative projects typically for 2-3 years
- Compulsory **cooperation of research organization with business**
- **Defined research topics** - linked to the goals of the National priorities of oriented research
- Expected **Research results** – industrial and utility model, prototype, functional sample, software, patent, methodology, map, research report, pilot plant, technology, ...
- **Day of Applied Research** – 25 April 2018

## Programmes

### National Competence Centres

Long-term cooperation between the research and the application spheres

### THÉTA

Applied research in the field of energy

### DELTA

International collaboration in applied research (listed countries only)

### EPSILON

Market exploitation of research results, new products and services

### ZÉTA

Support of junior scientists in applied research

### ÉTA

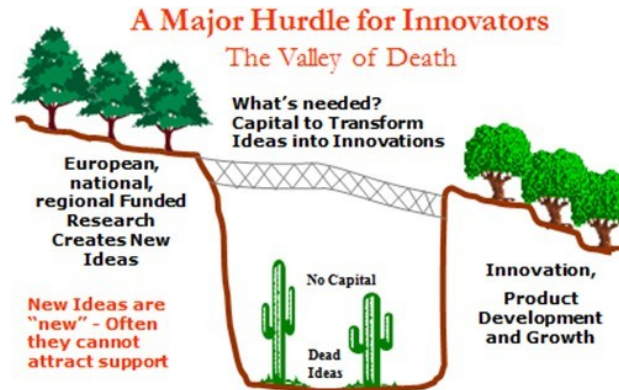
Applied research in area of social science and humanities

# Programmes of resort ministries - applied and basic research

M. of Industry and Trade	Ministry of Culture	Ministry of Agriculture	Ministry of the Interior	Ministry of Health	Ministry of Education
<b><u>TRIO</u></b>	<b><u>NAKI II</u></b>	<b><u>ZEMĚ</u></b>	<b><u>Security Research</u></b>	<b><u>Research in Healthcare</u></b>	<b><u>INTER-EXCELLENCE</u></b>
<b>Key Enabling Technologies research (KET)</b> - photonics, micro- and nanoelectronics, nanotechnology, industrial biotechnology, advanced materials and manufacturing technologies	<b>Applied Research - National and cultural Identity</b> archaeology, language, arts, technologies and procedures for the protection of cultural heritage - For social science and humanities	<b>Applied research in agriculture</b> , angling, food processing industry, water and forest management, support for implementation of national policy in agricultural sector	<b>Applied research - national security and citizens' safety</b> , critical infrastructures, crisis and security policy	<b>Applied research in healthcare</b> - Origin and development of diseases; New diagnostic and therapeutic methods and epidemiology and prevention of life-threatening diseases	<b><u>Mobility</u></b>
Collaborative projects – business + research organizations (RO)	<b>RO* only</b> - Individual and collaborative projects	Collaborative and individual projects for RO and business	Collaborative and individual projects for RO and companies	Collaborative projects – business and ROs	Basic and applied research - INTER-EXCELLENCE – broad programme  MOBILITY - projects with partner countries
<b>Results:</b> Prototype, software, pilot production,, verified technology, industrial utility design, patent...	<b>Results:</b> Specialized public databases, maps, methodologies, conferences, exhibitions, publications...	<b>Results:</b> Publications, patents, utility designs, verified technology, varieties, breeds, medical procedures, certified methodology...	<b>Results:</b> Patent, software, utility and industrial design, technology, prototype, functional specimen, certified methodology...	<b>Results:</b> Prototype, functional specimen, software, patent, map, methodology, verified technology, medical procedure...	Collaborative, bilateral and individual projects for RO*
					<b>Results:</b> Articles, publication, seminars, summer schools, joint research project...



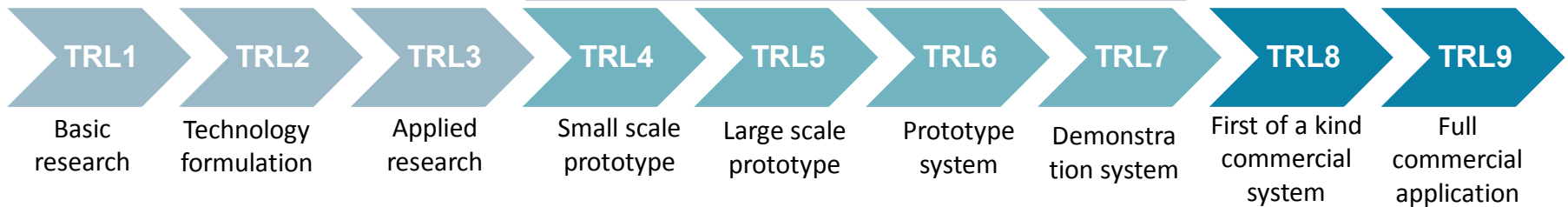
# TRL - Technology Readiness Levels



Technology development  
(Technology push)

Innovation phase

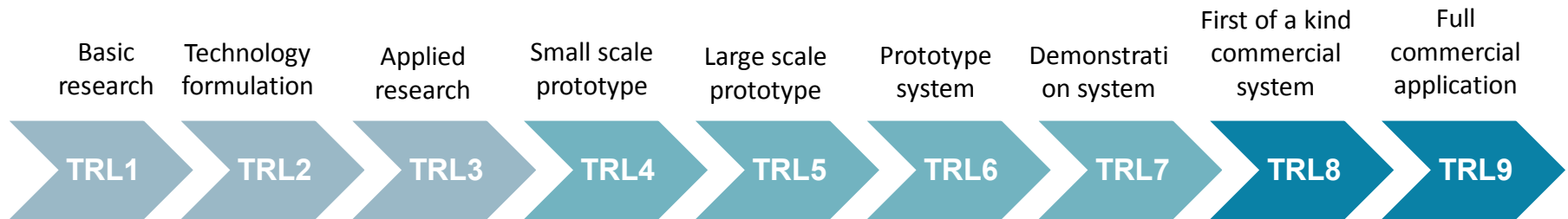
Commercial exploitation  
and industry use  
(Market pull)



- TRL 1-3 – From Idea through concept formulation and technology outline to confirmation of the concept
- TRL 4-7 – From „ugly“ prototype to a fully functional product tested in an operating / work environment
- TRL 8-9 – Successful market launch and full commercial use of the product / service

The **TRL definitions** are commonly **used in the in the call description** of many national and international grant providers

# TRLs and National grant programmes



**GAČR – Standard projects**

**NAKI II – Ministry of Culutre**

**TRIO – Ministry of Industry and Trade**

**INTER- EXCELLENCE, MOBILITY – Ministry of Education**

**ERC CZ – Ministry of Education**

**VI Security Research - Ministry of Interior**

**Medical Applied Research - Ministry of Health, AZV agency**

**KUS – Ministry of Agriculture, NAZV agency**

**TAČR – EPSILON (finishing ALFA)**

**TAČR – BETA 2**

**TAČR – GAMA, ZÉTA, ÉTA**

**TAČR – DELTA**

**SoMoPro – EU + SMR**

## Grant Agency MU - Internal research funding scheme

### GAMU

#### For students

Specific academic research

A - Student Research Projects

B - Student Research Conferences

Rector's program

C - Support for outstanding diploma theses

D - Support for students' magazines

#### For researchers

E - Support for improving quality of excellent results

F - Support for the preparation of international project proposals

G - Interdisciplinary research projects

H - Individual frontier research projects

I - MUNI award in science and humanities

<https://gamu.muni.cz>

# Project support at M



## Technology Transfer Office

### Intellectual Property Rights (IPR), Commercialisation

- Cooperation with business
- Commercial use of research results
- Conditions for technology and knowledge transfer, IPR protection, contracts
- Support, guidance and training for MU staff

## Research Office

### Project and Research Support

- Methodology and guidance on different grant programmes
- Training and educational events, individual consultations
- Internal projects GAMU
- Research evaluation
- PhD study programmes
- Open Access, Ethics

## Development Office

### OP VVV and OP PIK

- Support for grant schemes under the European Structural and Investment Funds (OP VVV, OP PIK, other operational programmes)
- Development programs under Ministry of Education, Youth and Sports

## Centre for International cooperation

### Mobility Grants

- Support for international mobility grants for MU students and employees
- Help with preparation of projects (Erasmus+, Fulbright Commission and other)

## Research Office support

- **Information spreading**
  - Research Office website (<http://vyzkum.rect.muni.cz/>)
  - Research Office newsletter
  - Information seminars, workshops, trainings
    - GRANTSWEEK 2018 – October
  
- **Individual support provided**
  - Individual consultancy with Research Office staff
  - Help with proposal development
  
- **Financial support**
  - For preparation of prestigious project proposals

# Project support – faculty contacts



CEITEC

ESF

FI

FSS

FSpS

FF

LF

PdF

PrF

PřF

ÚVT

HS	Project Support - contacts	Email
<u>CEITEC</u>	Mgr. Ladislav Čoček	<a href="mailto:grants@ceitec.muni.cz">grants@ceitec.muni.cz</a>
<u>ESF</u>	Mgr. David Póč/ Ing. Jaroslav Andrlé, MBA	<a href="mailto:David.Poc@econ.muni.cz">David.Poc@econ.muni.cz</a> ; <a href="mailto:veda@econ.muni.cz">veda@econ.muni.cz</a>
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**Thank you for your attention**