



**MASARYK
UNIVERSITY**
Czech Republic

National Funding Opportunities

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April 28, 2017

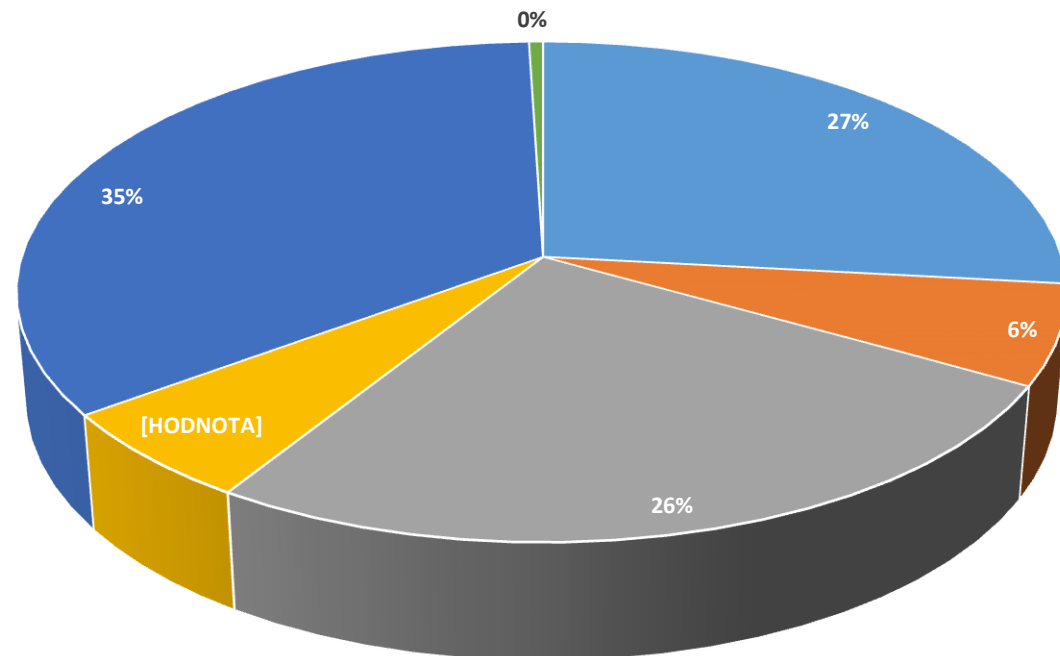
Content

- MU research income
- National funding opportunities
- Internal Funding Opportunities
- Research support at MU

MU Research Funding

- State budget – 33 %
- Projects through grant competition – 66%
- Absolutely:
 - 2 billion CZK

MU Research Funding - 2015



- | | |
|-------------------------|-------------------------|
| ■ Institutional support | ■ Specific research |
| ■ National sources | ■ International sources |
| ■ EU Structural Funds | ■ Other |

Different funding streams supporting research



1.

National providers

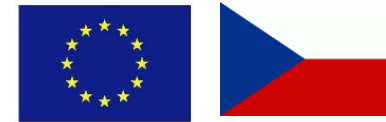
- **GA ČR** (Czech Science Foundation)
- **TA ČR** (Technology Agency of CR)
- **Ministries**
- **Regional: SoMoPro**



2.

International sources

- **Horizon 2020**
- EMB/EMBO
- EEA grants
- International Visegrad Fund
- US funding schemes
- Foundations
- etc.



3.

EU Structural and Investment Funds

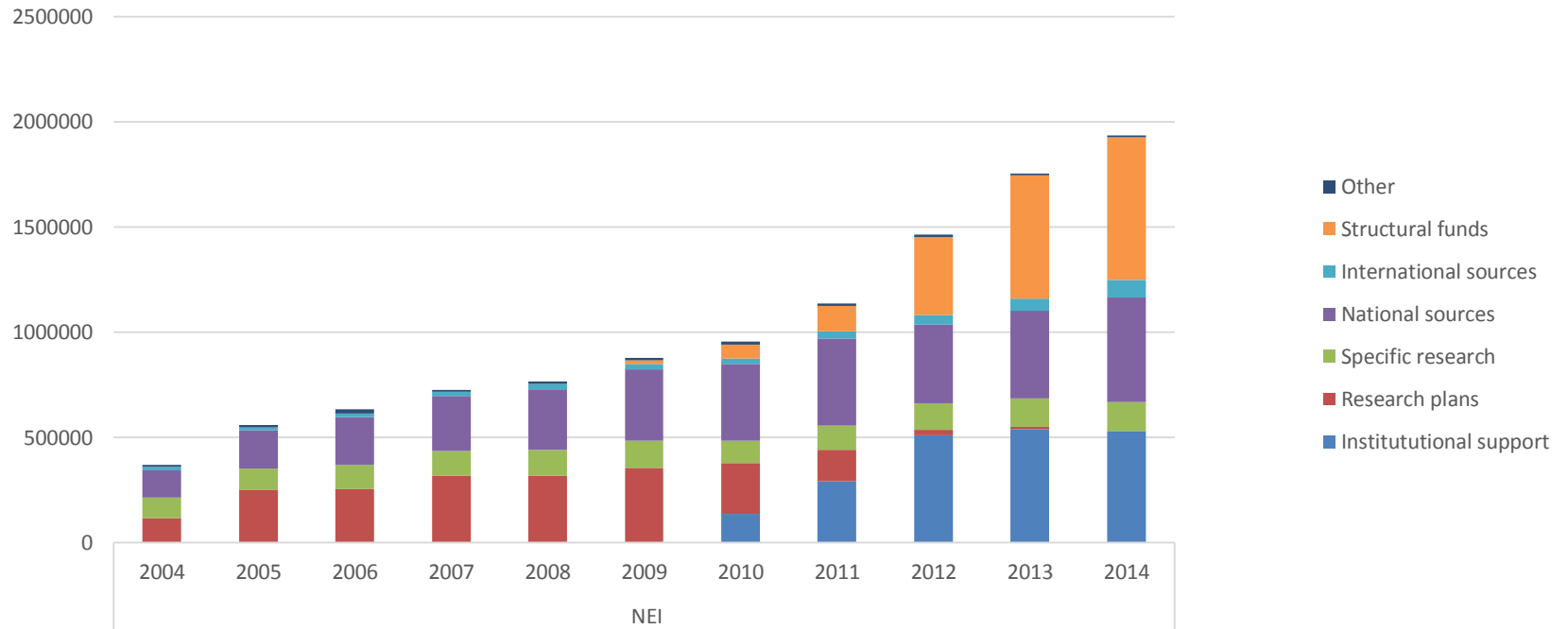
- **OP RDE** Operational Program Research, Development and Education
- **OP EIC** Operational Program Entrepreneurship, Innovation and Competitiveness

Institutional support

- **27% of all research income at MU**
 - Based on research evaluation results
 - Current methodology
 - Pillar I – publication results evaluation
 - Pillar II – quality of selected research results
 - Pillar III – patents and applied research results

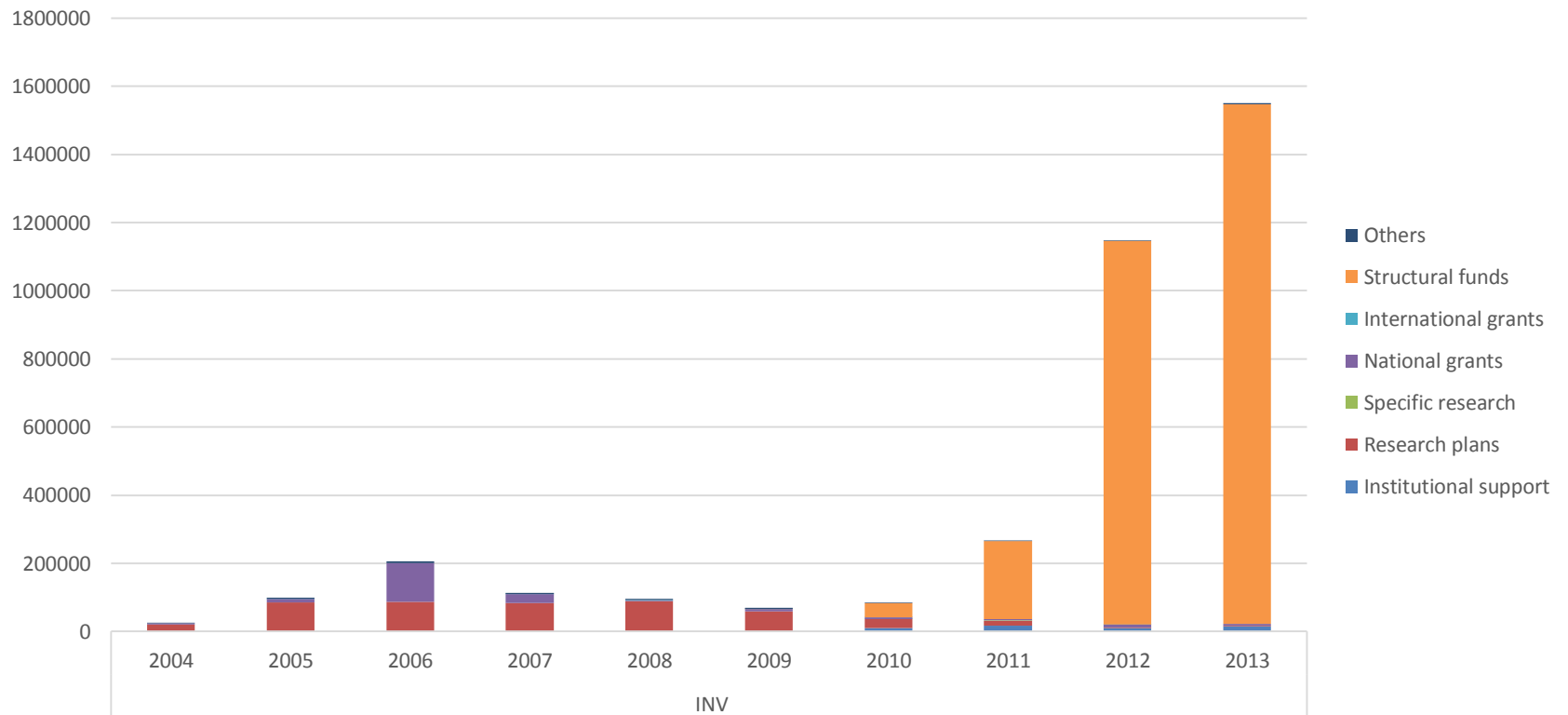
Research funding sources at MU – non-investments

2004 – 2014 (NEI)



Research funding sources at MU – investments

2004 - 2013 (INV)



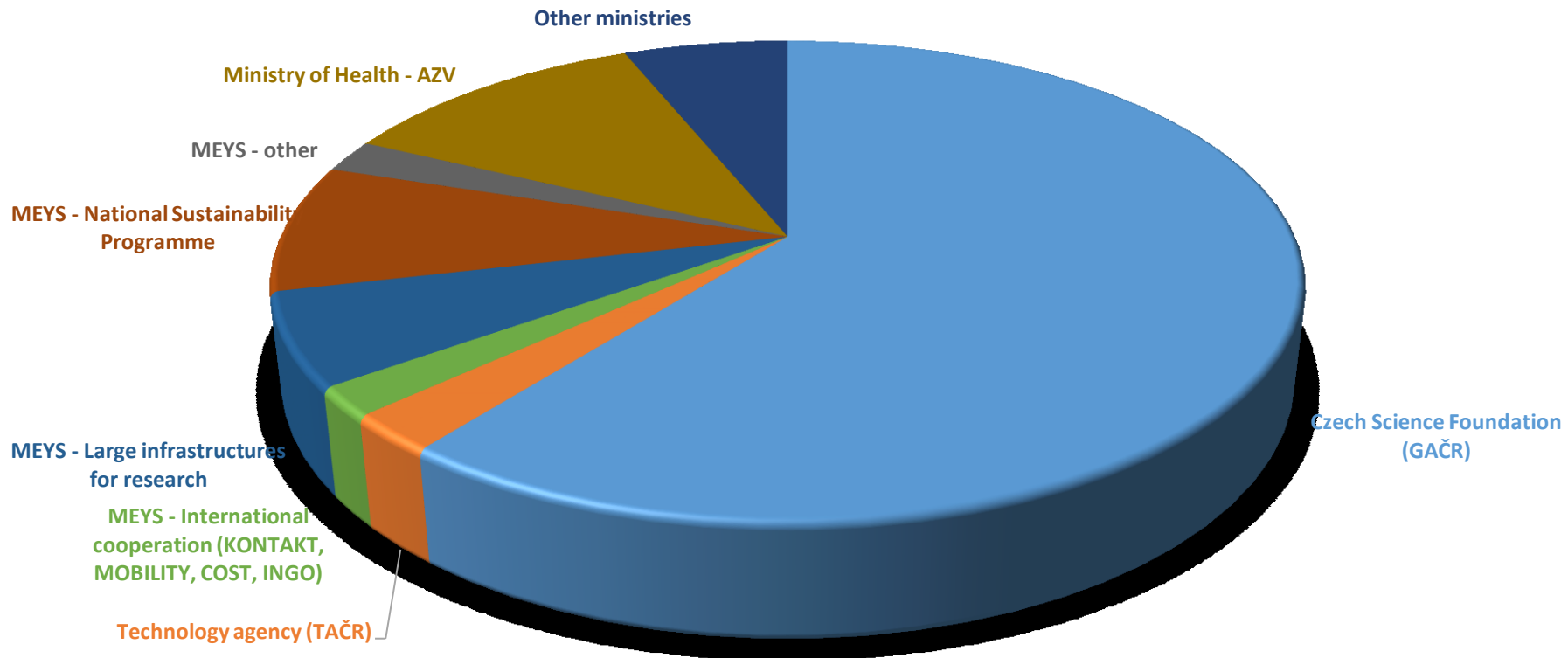


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National Funding Opportunities

National grants providers – non-investments

NATIONAL GRANTS - 2015



Different approaches

- Programmes in **basic** research = open scope, researchers choose the topic of research
 - Czech Science Foundation (GAČR)
- Programmes in **applied** research = more targeted approach, topic of research must correspond to the programme
 - Technology agency, other programmes of applied research

Technology readiness level

TRL 0: Idea. Unproven concept, no testing has been performed.

TRL 1: Basic research. Principles postulated and observed but no experimental proof available.

TRL 2: Technology formulation. Concept and application have been formulated.

TRL 3: Applied research. First laboratory tests completed; proof of concept.

TRL 4: Small scale prototype built in a laboratory environment ("ugly" prototype).

TRL 5: Large scale prototype tested in intended environment.

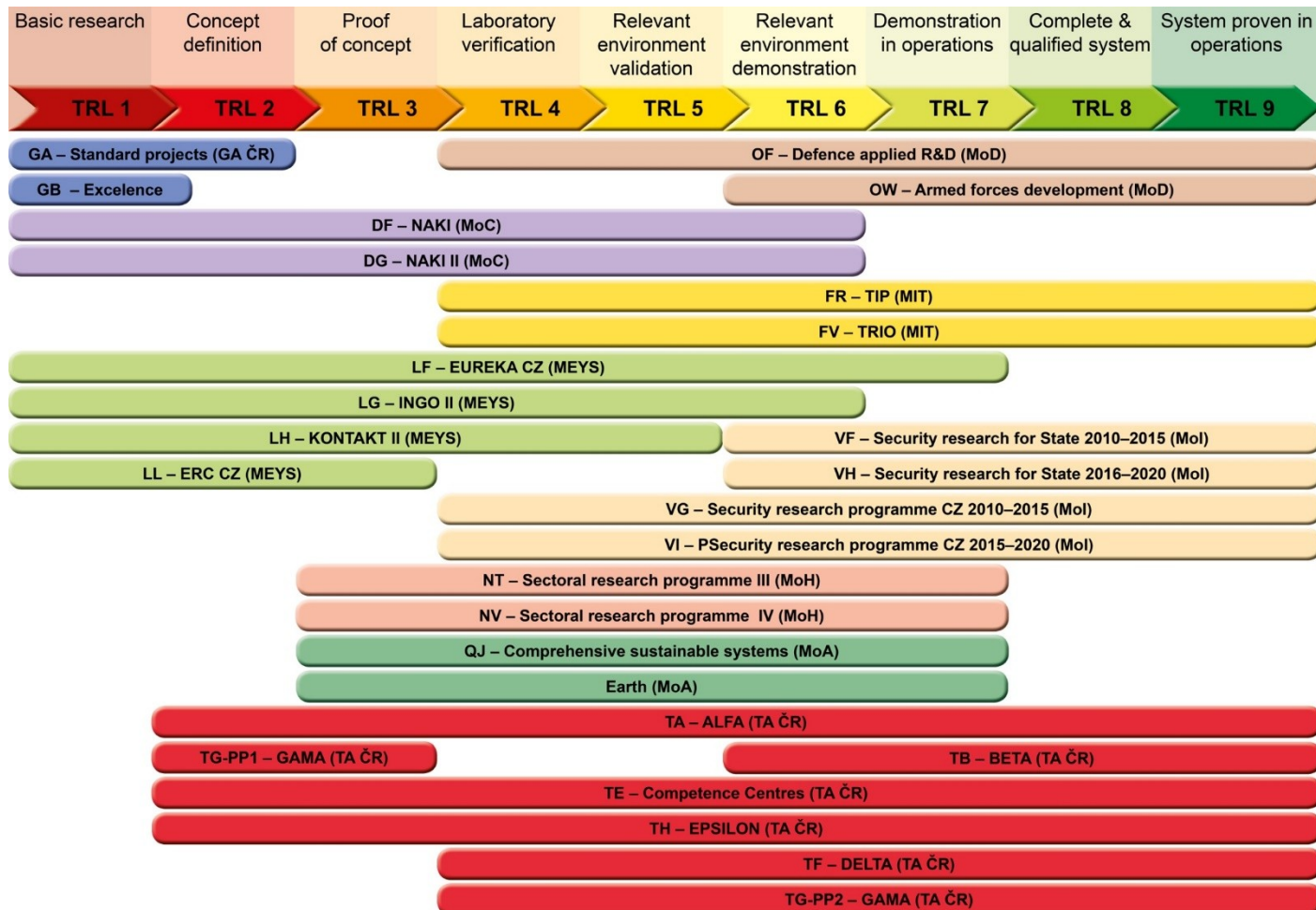
TRL 6: Prototype system tested in intended environment close to expected performance.

TRL 7: Demonstration system operating in operational environment at pre-commercial scale.

TRL 8: First of a kind commercial system. Manufacturing issues solved.

TRL 9: Full commercial application, technology available for consumers.

Technology readiness level on national level



Czech Science Foundation (GAČR) - features

- Basic research
- All disciplines
- Individual research teams
- Bottom–up principle
- evaluation based solely on excellence (of the PI and the project)
- peer review system of evaluation

Czech Science Foundation (GAČR) - programmes

- STANDARD PROJECTS – excellence in basic research
- JUNIOR PROJECTS – young excellent researchers
- BILATERAL PROJECTS – international cooperation in basic research (Germany, South Korea, Taiwan)
- LA GRANTS - Czech-Austrian Joint Research Projects with the The Austrian Science Fund (FWF)

Czech Science Foundation (GAČR) - statistics

Standard grants starting in 2017

- Number of proposals: 2129
- Number of supported projects: 698
- Success: ≥ 33 %
-

Junior grants starting in 2017

- Number of proposals: 283
- Number of supported projects: 97
- Success: ≥ 36 %

Technology Agency

BETA	DELTA	EPSILON	ÉTA	THÉTA	ZÉTA
Public tenders following state administration requirements.	International cooperation in the applied research focusing on specific countries in every call.	Market lounge for new technologies, materials, products and services in energetic engineering, environment and transport	Supporting research, experimental development and innovation of applied social sciences and humanities.	Projects aim at updated National Energy Policy of the Czech Republic.	Cooperation between the academia and companies through students and young researchers.

Sectoral ministries of the Czech Republic

Ministry of industry and Trade	Ministry of culture	Ministry of Agriculture	Ministry of the Interior CR	Ministry of Health CR
<u>TRIO</u>	<u>NAKI II</u>	<u>KUS</u>	<u>Security research</u>	<u>Medical research</u>
Key Enabling Technologies research (KETs) - photonics, micro- and nanoelectronics, nanotechnology, industrial biotechnology, advanced materials and manufacturing technologies	Applied Research - national and cultural Identity For humanities - archeology, language, arts, technologies and procedures for the protection of cultural heritage	Applied research in agriculture, angling, food, water and forest management	Applied research - national security and citizens' safety, critical infrastructures, crisis and security policy	Applied research - Origin and development of diseases; New diagnostic and therapeutic methods and Epidemiology and prevention of life-threatening diseases
Calls once a year: 2016, 2017...	Calls once a year: 2016, 2017...	Last call in 2015 – programme will be replaced	Calls once a year: 2016, 2017...	Last call in 2015, new not announced yet
Collaborative projects – cooperation of companies and research institutions	Individual and Kolaborative projects – research institutions only	Collaborative and individual projects for RO* and companies	Collaborative and individual projects for RO* and companies	Collaborative projects – cooperation of companies and research institutions
Results: prototype, software, pilot production, verified technology, industrial or utility design, patent	Results: specialized public databases, maps, methodologies, conferences, exhibitions, publications	Results: Publickations, patents, utility designs, verified technology, varieties, breeds, medical procedures, certified methodology	Results: Patent, software, utility and industrial design, technology, prototype, functional specimen, certified methodology	Results: prototype, functional specimen, software, patent, map, methodology, verified technology, medical procedure

Sectoral ministries of the Czech Republic - MEYS

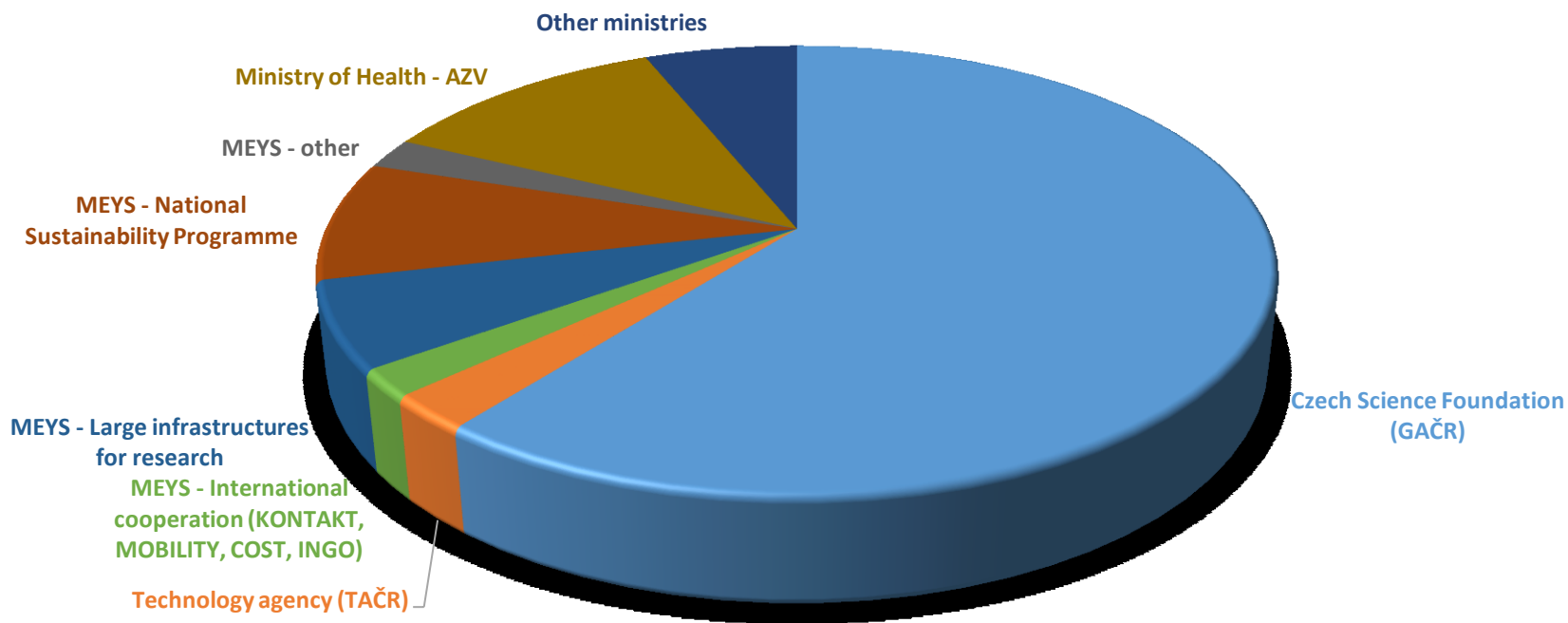
- **KONTAKT** – support of international cooperation **Inter-Action**
- **COST CZ** – support of multi-lateral cooperation through European platform of COST Actions
- **INGO** – support of membership in non-governmental research organizations (e.g. CERN)
- **EUREKA** – support of SMEs **Inter-Excellence**
- **GESHER-MOST** – Czech-Israeli cooperation in applied research
- **MOBILITIES** – support of researchers' mobility
- **Czech-Norwegian research programme**
- **Large Infrastructures for R&D** – support of infrastructures on the Roadmap

SoMoPro as a regional instrument

- Regional fellowship programme inspired by Marie Skłodowska-Curie Fellowships
- Incoming grants to attract researchers from abroad to undertake research and training in the South Moravian region
- Research experience + mobility conditions
- Next call hopefully coming soon

Summary

NATIONAL GRANTS - 2015





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Internal Funding Opportunities and Research support at MU

Research support at MU – financial incentives

- Grant Agency of Masaryk University:
 - For students:
 - Specific research – projects for PhD students

 - For PIs:
 - Interdisciplinary research projects
 - High-risk high-gain projects
 - Excellent results

- Support of international research grants preparation

Research support at MU – non-financial

- **Information spreading**
 - Research Office newsletter
 - Research Office website
 - Information seminars, workshops, trainings
 - GRANTSWEEK 2017 - autumn

- **Individual support provided**
 - Individual consultancy with Research Office staff
 - Help with proposal development



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Thank you for your attention