



EUROPEAN UNION
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Operational Programme Research,
Development and Education



How to find financial support for my research? How to prepare a competitive project proposal?

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Institute of Mathematics CAS goes for HR Award –
implementation of the professional HR management.*

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Support of basic research in Czechia:

Czech Science Foundation

Grantová agentura České republiky (GAČR)

www.gacr.cz

- Standard projects **max. 3 years**
- JUNIOR STAR grants **max. 5 years**
- Lead Agency grant projects **max. 3 years**
- Bilateral projects **max. 2/3 years** (*depends on foreign agency*)
- EXPRO projects **max. 5 years**

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JUNIOR STAR grants

- support for excellent basic research
- providing early stage researchers with an opportunity to achieve scientific independence and to build their own research group
- for applicants with significant research portfolio: international experience, postdoc positions, long term research visits, invitations to international scientific events, publications in prestigious international journals, awards etc.

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Lead Agency projects are joint international projects based on agreement between several agencies:

- Fonds zur Förderung der wissenschaftlichen Forschung FWF, Austria
- Narodowe Centrum Nauki NCN, Poland
- Slovenian Research Agency ARRS, Slovenia
- Swiss National Science Foundation SNSF, Switzerland

The rules are:

- **proposal is evaluated only by one agency**
- all the partners submit only one project proposal from basic research
- projects are for 3 years
- justified cooperation between teams, the added scientific value of joint research, the scientific work of both research teams
- formal guidelines and regulations of the LA agency must be obeyed
- bilateral or trilateral projects

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What is the PROCEDURE??? depends on whether GAČR is or not the LA

CEUS - Central European Science Partnership agreement signed in June 2019.

Initiative precisely says how to make a decision which agency is the LA:

- bilateral projects: LA covers at least 40% of the total budget of the project
- trilateral projects: LA covers at least 25% of the total project budget

GAČR is not the LA (acts in the role of partner agency):

- still it is required to complete the Czech part in the online application system – this is an online form, mostly budget and its justification, but also publications, funding ID, principal investigator CV
- project proposal submitted to foreign agency must be an attachment to the Czech part of the project proposal (in pdf format).

GAČR is the Lead Agency:

- preparing application in the online submission system GRIS strictly according to the tender documents; there is no space for any mistakes!

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Bilateral grant projects

Bilateral cooperation of scientists and scientific teams based on agreements between GAČR and the following partner agencies:

- Deutsche Forschungsgemeinschaft (DFG), Germany
- National Research Foundation of Korea (NRF), South Korea
- Ministry of Science and Technology (MOST), Taiwan
- Russian Foundation for Basic Research (RFBR), Russia
- São Paulo Research Foundation (FAPESP), Brazil

The evaluation process is conducted independently in both partner agencies.
Grants are awarded only after approval by both research agencies !

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- Case study:

from bad to good – project proposal evolution
(presenting some pdf files)

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ERC: European Research Council grants

Starting Grants 2 to 7 years experience after PhD

Consolidator Grants 7 to 12 years experience after PhD

Advanced Grants experienced, established, leading researchers

- these are principal investigator –driven grants, so evaluation of the PI research portfolio is an important part of the whole evaluation process
- PI needs to be creative: proposal must be original, with novel concepts and groundbreaking ideas
- ground-breaking, high-risk projects ONLY!
- conceptual risk is expected - it relates to scientific challenges and is supported by PI's creativity and leadership in the field, only ambitious projects expected

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Tips for your CV

- personal data, education
- academic appointments, visiting positions, postdoctoral experience
- international cooperation: short/long term research visits
- scientific leadership experience: PhD students, postdocs, projects, leading seminars etc.
- international recognition: publications and impact, invited lectures at international scientific events
- service to community: editorial boards, reviewing for journals, organizing international scientific events, membership in programme committees
- funding ID
- honours and awards
- membership in societies
- teaching advanced courses for graduate students
- **reverse chronological order: recent first !**

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Your 10-year track record

- top 10 research papers
- main scientific achievements, for example:

(*) Developing the theory of highly symmetric mathematical objects, emphasizing on dynamical properties of their automorphism groups. One of the applications is a new characterization of extremely amenable topological automorphism groups.

(*) Introducing and studying abstract Ramsey properties of classes of finite mathematical structures, with applications in topological dynamics. The results were later used and extended by several authors (citations ...).

(*) Solving several problems in topological dynamics, mainly concerning the description of universal minimal flows, including extreme amenability.

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- monographs and chapters in collective volumes
- invited and plenary lectures
- courses for graduate students , series of lectures at summer schools for students

... and anything else that might be helpful...

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Preparing an application to the Czech Science Foundation:

working in GRIS online application system (*live presentation*)

www.gris.cz

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Ministry of Education Youth and Sport of the Czech Republic

Selected programmes:

- INTER-EXCELLENCE → **INTER-ACTION**

For pure math we used the following possibilities: Czech-Bavarian joint research projects , Czech-USA joint research projects

Sometimes calls restricted to concrete topic or area of science, for example:

VES19China, VES18IZRAEL were restricted to applied and experimental sciences

- **MOBILITY** projects – small projects for mutual visits

The list of countries is not static, but usually there is a call for Austria, France, Germany ...

<https://www.msmt.cz/vyzkum-a-vyvoj-2/podpora-mezinarodni-spoluprace-ve-vavai>

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Thank you!