

ANNUAL REPORT

2022



CONTENT

FOREWORD	4
1. SUMMARY	5
2. ABOUT GACR	6
3. GOVERNANCE AND THE OFFICE OF GACR	7
4. BUDGET	12
5. PROJECTS OF GACR IN 2022	14
5.1 STANDARD PROJECTS	16
5.2 EXPRO.....	17
5.3 JUNIOR STAR.....	18
5.4 POSTDOC INDIVIDUAL FELLOWSHIP.....	19
5.5 INTERNATIONAL PROJECTS.....	21
5.6 INTERNATIONAL COOPERATION IN SUPPORT OF ERC GRANT APPLICANTS ("FELLOWSHIP TO VISIT ERC GRANTEE")	23
5.7 EVALUATION OF COMPLETED GRANT PROJECTS	24
6. HOW PROJECT PROPOSALS ARE EVALUATED	25
6.1 HOW STANDARD AND INTERNATIONAL PROJECTS ARE EVALUATED	26
6.2 HOW THE EXPRO AND JUNIOR STAR PROJECT PROPOSALS ARE EVALUATED.....	27
7. INTERNATIONAL ACTIVITIES	28
8. GENDER ISSUES IN THE ACTIVITIES OF GACR	30
9. COMMUNICATION	33
10. GACR PRESIDENT'S AWARDS	34
11. EVALUATION PANELS AND DISCIPLINE COMMITTEES	36
12. GACR AND EXTRAORDINARY SITUATIONS	44
CONTACT	45

DEAR COLLEAGUES,



The year 2022 was specific in many ways. The Czech Republic held the Presidency of the European Council in the second half of the year and showed that it can contribute to solving Europe-wide problems. It is gratifying that science and research in the Czech Republic are also achieving results that are visible from a European and global perspective, and that it is participating in the process of modernising science by improving its evaluation and increasing its openness to the public.

However, the environment in which Czech science was operating in 2022 was not easy. Although the COVID-19 pandemic was already slowly on its way out, it continued to complicate the lives of scientists, and had a negative impact on, for example, international mobility. We therefore decided to keep what is called COVID measures in place - for example, the possibility of extending the duration of projects.

The year 2022 will go down in history as the year in which a sovereign state in Europe was attacked by its larger neighbour. The Czech Science Foundation responded swiftly by supporting Ukrainian scientists, but not only them: Ukrainian students too. We have facilitated their inclusion in the research teams of ongoing projects and provided a range of other activities to assist them. We are happy that colleagues from Ukraine are also among the applicants for funding through our projects at the Czech institutions where they are now working.

The past year has also seen a change in the composition of the GACR Presidium. Prof. Martin Hartl from the Faculty of Mechanical Engineering of Brno University of Technology took over the field of Technical Sciences after Prof. Rostislav Drochýtek. Professor Hartl was appointed Vice-Chair of GACR the same year. After the end of Prof. Stanislava Hronová's second term in office, the area of Social Sciences and Humanities was taken over by Assoc. Prof. Martina Hřebíčková from the Institute of Psychology of the Czech Academy of Sciences.

Over 400 panel members and thousands of other international experts reviewed 3,020 projects in all GACR tenders, including EXPRO for excellent scientists, which is published every other year. A total of 595 projects were selected for funding from January 2023, which I believe will take human knowledge one step further.

With my best wishes,

Prof. RNDr. Petr Baldrian, Ph.D.

President, Czech Science Foundation

1. SUMMARY

In 2022, the Czech Science Foundation successfully fulfilled its goal of funding basic research in the Czech Republic in all scientific fields.

Prof. RNDr. Petr Baldrian, Ph.D. continued to act as GACR President. Prof. Ing. Martin Hartl, PhD., joined the Presidium in April 2022 in charge of Technical Sciences. In October, Doc. PhDr. Martina Hřebíčková, DSc., joined the Presidium in charge of Social Sciences and Humanities.

GACR managed a budget of CZK 4.7 billion, of which CZK 124 million (2.7%) was allocated for the operation of the institutional expenses and for the evaluation process of thousands of project proposals. CZK 4.5 billion, i.e. 97.3% of the total budget of the GACR, was earmarked for project funding, of which CZK 3.2 billion was allocated for funding existing projects and CZK 1.3 billion for newly launched projects. On top of the calls for Standard, International, JUNIOR STAR and POSTDOC INDIVIDUAL FELLOWSHIP Projects, the EXPRO call was announced after a year's break.

The funding of **618 new projects** began in 2022. **595 projects were selected from funding, starting in 2023.** On the basis of a multi-stage evaluation process involving international and Czech experts, a total of **3,020 projects were evaluated.** Some of the international calls had not yet been reviewed by the partner abroad as of March 2023 - they are not listed in the number of grants awarded.

The Czech Science Foundation strives to expand international co-operation, both as part of the Weave initiative and outside of it. New options for joint project financing will be available to scientists in 2023. In total, the Czech Science Foundation funds joint scientific projects in co-operation with **10 institutions from all over the world.**

The high standard of the projects funded and the appropriately designed selection process are reflected in their results. Out of a total of 530 projects evaluated after being completed in 2022, only 10 (1.9%) were graded as incomplete, i.e. 520 (98.1%) projects were graded as completed or even excellent.

The year 2022 was a year marked not only by the COVID-19 pandemic, to which the Czech Science Foundation responded with targeted measures to help scientists better manage the situation, but also by Russian aggression in Ukraine. In reaction to this, the Czech Science Foundation **made it possible to expand project teams with scientists and students from Ukraine,** as well as taking part in communication activities aimed to provide them with support.

In September, five investigators of projects funded by the Czech Science Foundation in various areas of basic research were awarded the traditional **GACR President's Award.**

GACR is a governmental agency funding basic research across all scientific disciplines in a targeted form, with a use of public funds only. **Since 1993, year after year, it has provided financial funds for scientific projects for both seasoned scientists and teams as well as young, early-career scientists**, within the framework of government-approved groups of grant projects, based on the results of public tenders in research and development. The Foundation also funds international scientific projects.

The activities of GACR are regulated by Act No. 130/2002 on Funding for Research, Experimental Development and Innovation from Public Funds and on Amendments to Certain Related Acts, as amended (the "R&D Act"). GACR independently manages the targeted aid and institutional funds allocated directly from the state budget.

THE MISSION OF THE CZECH SCIENCE FOUNDATION IS TO:

- **Fund scientific projects** aimed at basic research of high international standards, through public tenders and calls for proposals in research and development.
- Promote and further develop international scientific cooperation in basic research.
- Contribute to the attractive conditions for the career of **young and early-career scientists**.
- Ensure that state funds are used as **efficiently as possible** for the benefit of Czech science.
- **Inform** the professional and broader public about its activities and intentions.

KEY FACTS

- **Prof. Ing. Martin Hartl, Ph.D.**, newly appointed member of the GACR Presidium, was put in charge of the field of Technical Sciences. **Doc. PhDr. Martina Hřebíčková, DSc.**, newly appointed member of the GACR Presidium, was put in charge of the fields of Social Sciences and Humanities.
- In October, **Prof. Ing. Martin Hartl, Ph.D.**, became Vice-President of the Czech Science Foundation.
- Five new Scientific Advisory Board members were named and the terms of three were extended. **Doc. Dr. Phil. Rudolf Kučera, Ph.D.**, was named its President.

The governing bodies of the Czech Science Foundation consist of the President, the Presidium, the Scientific Advisory Board and the Supervisory Board. The organizational and administrative activities of GACR are performed by the Office of GACR.

PRESIDENT OF GACR

The President of GACR (hereinafter the "President") **represents GACR externally and acts on its behalf in all its affairs**. The main activities of the President include the management of the Presidium, which is the executive body of GACR.

The President regularly participates in the meetings of the Scientific Advisory Board of GACR and most of the meetings of the Supervisory Board of GACR. He or she also participates in the meetings of the Parliamentary Committee for Science, Education, Culture, Youth and Physical Education of the Chamber of Deputies of the Parliament of the Czech Republic defending the draft budget and the final National Accounts of the budget chapter of GACR.

PRESIDIUM OF GACR

The GACR Presidium (hereinafter the "Presidium") is the **executive body** of GACR, whose role and position are defined in the provisions of Section 36 (5) of the R&D Act.

THE ROLE OF THE PRESIDIUM

is, in particular, to:

- approve the publication of public tenders
- decide on the provision of targeted aid to grant projects
- submit the draft Charter of the Czech Science Foundation and its amendments to the Government for approval
- submit the draft budget of GACR
- coordinate the activities of the discipline committees - advisory bodies of GACR, which review and evaluate Project Proposals
- evaluate the Project Proposals, review the progress of projects, and grade the outcomes of completed projects

The Presidium is made up of five members including the President. The term in office of the members of the Presidium is four years with a possible re-appointment for a maximum of two consecutive terms. The members of the Presidium are appointed and removed by the Government upon the nominations of the Research, Development, and Innovation Council (hereinafter "R&D Council").

In 2022, the Presidium underwent several changes. Professor Ing. Martin Hartl, Ph.D., became a member of the Presidium and shall be in charge of the field of Technical Sciences for the next four years. He replaces Prof. Ing. Rostislav Drochytka, CSc., MBA, dr. h. c., who resigned from his position in the Presidium after becoming the Dean of the Faculty of Civil Engineering at the Brno University of Technology. After the term of Prof. Ing. Stanislava Hronová, CSc., dr. h. c., as head of the field of Social Sciences and Humanities ended in October, Doc. PhDr. Martina Hřebíčková, DSc. has been in charge of these fields. The number of times a Presidium member may be re-appointed is at most once.

In October 2022, Prof. Ing. Martin Hartl, Ph.D., became vice-president of the Czech Science Foundation.

MEMBERS OF THE PRESIDIUM AT 2022 YEAR-END

Prof. RNDr. **Petr Baldrian**, Ph.D. (President, 2nd term) - Agricultural and Biological-Environmental Sciences
 Prof. Ing. **Martin Hartl**, Ph.D. (Vice-President, 1st term) - Technical Sciences
 RNDr. **Alice Valkárová**, DrSc. (2nd term) - Physical Sciences
 Prof. MUDr. **Mgr. Milan Jirsa**, (1st term) - Medical and Biological Sciences
 Doc. PhDr. **Martina Hřebíčková**, DSc. (1st term) - Social Sciences and Humanities

A total of 11 Presidium meetings were held in 2022.

SCIENTIFIC ADVISORY BOARD OF GACR

The Scientific Advisory Board of GACR (hereinafter the "SAB") is a **conceptual body of the Czech Science Foundation**. In its activities, it is governed by the provisions of Section 36 (3) and (6) of the R&D Act.

THE ROLE OF THE SCIENTIFIC ADVISORY BOARD

is, in particular, to:

- propose the establishment and focus of Discipline Committees to the Presidium
- propose groups of grant projects and their focus
- evaluate the contribution of GACR to the development and quality of basic research in the Czech Republic
- discuss and propose solutions to problems related to the activities of GACR
- perform other tasks assigned by GACR Presidium
- give its opinion on other issues received from the President, the GACR Presidium, GACR Supervisory Board, or the R&D Council
- comment on the content each panel's focus
- comment on the international cooperation of GACR and help its development

The government has named eight members to serve on the SAB as part of its regular member change, effective as of December 2022. Five of these members are on the board for the first time. SAB member Doc. Dr. Phil. Rudolf Kučera, Ph.D., was newly named President of the SAB.

MEMBERS OF THE SCIENTIFIC ADVISORY BOARD AT 2022 YEAR-END

Doc. Dr. Phil. **Rudolf Kučera**, Ph.D., (President)
 Prof. Dr. Ing. **Jan Černocký**
 Prof. RNDr. **Petr Dubový**, CSc.
 Prof. RNDr. **Jan Hajič**, Dr.
 Prof. Ing. **Michal Hocek**, CSc., DSc.
 Prof. RNDr. **Josef Humlíček**, CSc.
 Prof. Ing. **Štěpán Jurajda**, Ph.D.
 Prof. RNDr. **Michal Otyepka**, Ph.D.
 Prof. PhDr. **Eva Semotanová**, DrSc.
 Prof. MUDr. **Aleksi Šedo**, DrSc., FCMA
 Prof. Ing. **František Štěpánek**, Ph.D.

The SAB met four times in 2022, on 8 March, 28 June, 23 September, and 1 December. The meetings took place both online and in hybrid form.

SUPERVISORY BOARD OF GACR

The Supervisory Board of GACR (hereinafter the "SB") is the **oversight body of the Czech Science Foundation**. In its activities, it is regulated by the provisions of Section 36 (7) of the R&D Act.

THE ROLE OF THE SUPERVISORY BOARD

is, in particular, to:

- review the legitimacy and lawfulness of the distribution of GACR's financial resources
- supervise the management of the assets of the state which the Czech Science Foundation is in charge of managing
- handle complaints about the process of evaluating Project Proposals
- submit binding opinions to the Presidium of the Czech Science Foundation in important situations

The SB is made up of ten members appointed by the Chamber of Deputies of the Parliament of the Czech Republic upon the nominations of entities engaged in research and development. The term in office of the members of the SB is four years with a possible re-appointment for a maximum of two consecutive terms. At the end of 2021, the SB had nine members.

MEMBERS OF THE SUPERVISORY BOARD AT 2021 YEAR-END

- Prof. Ing. **Stanislav Labík**, CSc., předseda
- Prof. Ing. **Jan Roda**, CSc., místopředseda
- Prof. MUDr. **Pavel Boštik**, Ph.D.
- Prof. Ing. **František Hrdlička**, CSc.
- Prof. Ing. **Stanislava Hronová**, CSc., dr. h. c.
- Prof. Mgr. **Libor Jan**, Ph.D.
- Prof. PhDr. **Jiří Mikulec**, CSc.
- Prof. Ing. **Valentine Provazník**, Ph.D.
- Prof. Ing. **Vladimír Smejkal** CSc., LL.M.
- Prof. PhDr. **Hana Vykopalová**, CSc.

The members of the SB attended the meetings of the individual panels and discipline committees, where they checked the progress of the meetings. In 2022, the SB heard a total of 4 complaints related to the evaluation of Project Proposals.

OFFICE OF GACR

The Office of GACR (hereinafter the "Office"), under the Charter of the Czech Science Foundation, **performs the professional, financial, supervisory, organizational and administrative tasks** resulting from the activities carried out by GACR. The activities of the Office follow organizational rules.

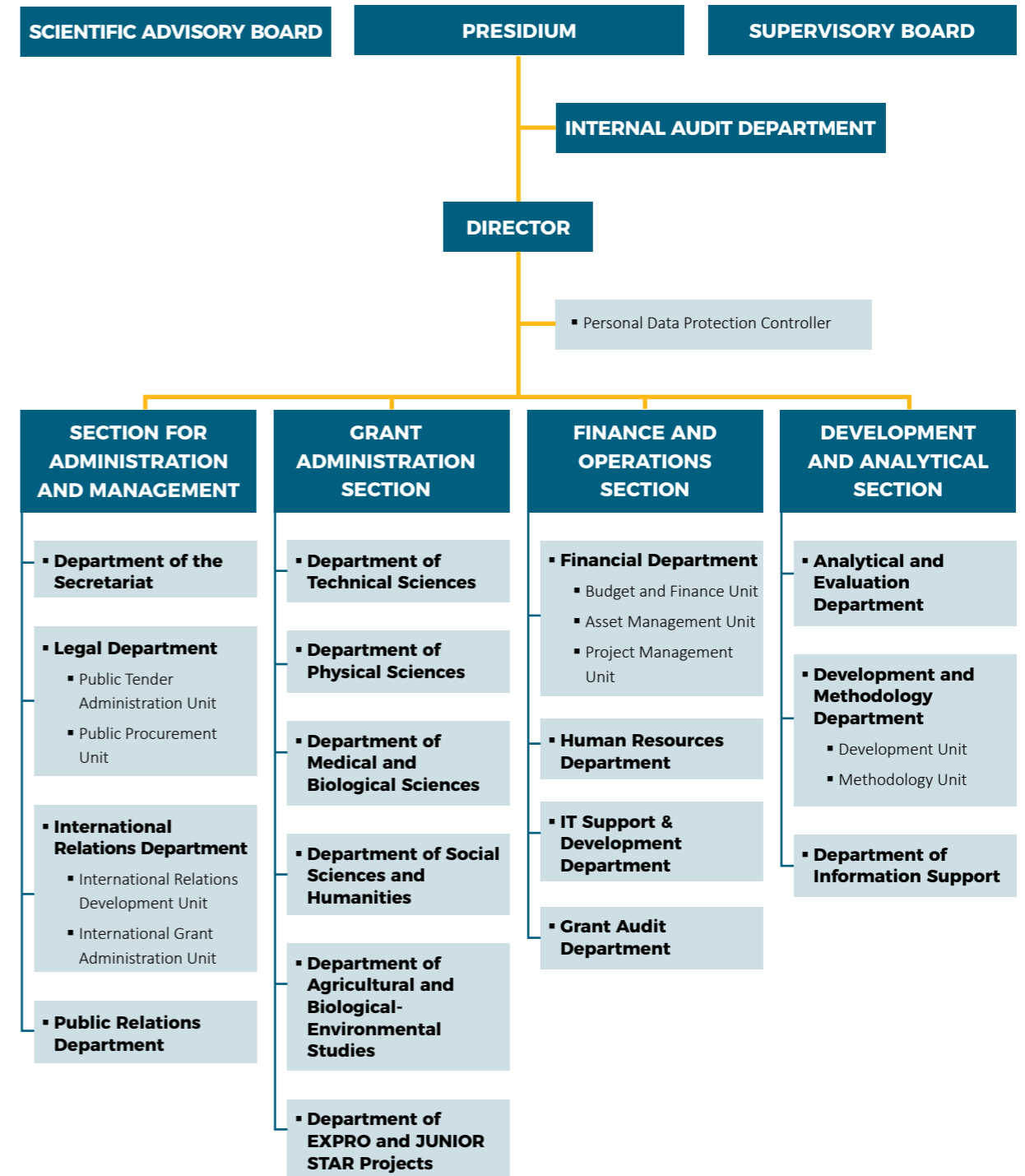
THE ROLE OF THE OFFICE

is, in particular, to:

- prepare documents for meetings
- draw up the draft budget of GACR
- manage the approved budget as instructed by the President
- collect grant Project Proposals
- create and manage the project and reviewer database
- organize the cooperation of GACR with partner organizations
- inform the public about the activities of GACR

The Office is headed by the Director, who is appointed and removed by the President. In 2022, the Office was headed by Ing. Lada Knetlova as its Director.

ORGANIZATIONAL STRUCTURE OF GACR'S OFFICE

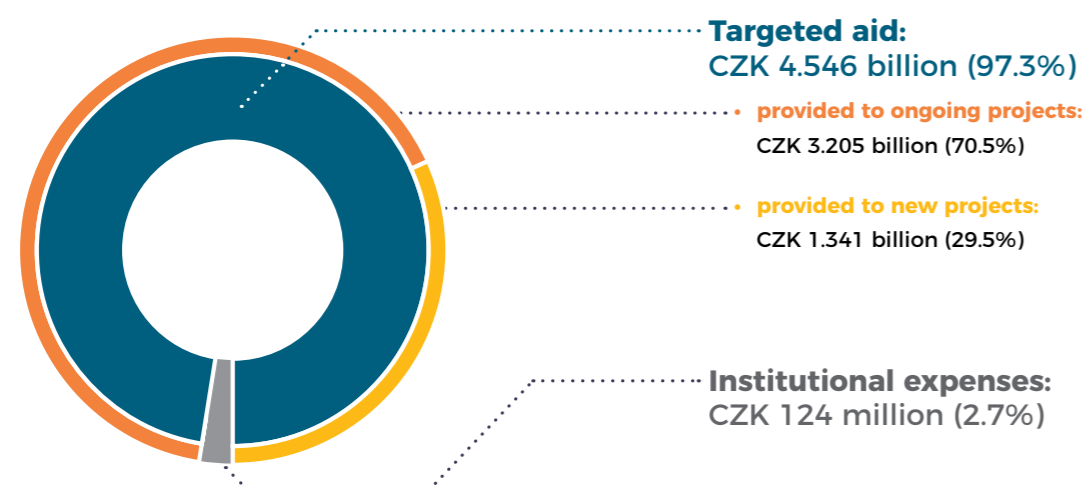


KEY FACTS AND FIGURES

- The Czech Science Foundation was assigned a **budget of CZK 4.67 billion** for 2022.
- Only **2.7% of the costs were incurred as institutional expenses.**
- Approximately **one third of the** targeted aid was earmarked **for new projects.**
- The highest amount went into funding **Standard Projects - CZK 3 billion.**

For 2022, the total budget of the Czech Science Foundation was approved in the amount of CZK **4.669819 billion**. The expenditures of the Czech Science Foundation are categorised into institutional expenditures (overhead) to run its operations and activities, and the targeted aid for the researchers and investigators to run their projects.

DISTRIBUTION OF GACR'S FUNDS



INSTITUTIONAL EXPENSES

Institutional funds are earmarked for the activities of the Czech Science Foundation, including the administration of public tenders, evaluation of Project Proposals, reviews of ongoing projects, and other related activities. Institutional expenses approved for 2022 amounted to **CZK 123.891 million (2.7% of total GACR funds)**. The use of institutional funds is very effective in comparison to partner institutions abroad, i.e. similar agencies.

TARGETED AID

In 2022, the Czech Science Foundation was allocated funds for targeted aid under the Act on the State Budget totalling CZK **4.545 billion**. Out of that amount, a total of CZK 3.204 billion was necessary to fund the ongoing grant projects, i.e. 70.5% of the total amount of GACR's targeted aid. To launch new grant projects, the total targeted aid amounted to CZK 1.341 billion, i.e. 29.5% of the total targeted aid provided by GACR.

Approved Targeted Aid Provided by the Czech Science Foundation by Project Group in 2022

	Approved targeted aid (in CZK million)	Share of targeted aid (as a % of total)	Number of projects funded in the year (total)
Standard Projects	3,003.360	66.1	1,301
International Bilateral Projects	174.059	3.8	77
EXPRO Projects	575.361	12.7	72
International Lead Agency Projects	308.148	6.8	127
Junior Grants	185.000	4.1	101
JUNIOR STAR	200.000	4.4	41
POSTDOC INDIVIDUAL FELLOWSHIP	100.000	2.2	23
Total	4,545.928	100	1,742

KEY FACTS

- In 2022, tenders were announced to fund **Standard Projects, EXPRO projects, JUNIOR STAR projects, POSTDOC INDIVIDUAL FELLOWSHIP and International Projects.**
- In tenders published in 2021, **618 project proposals** to be launched in 2022 were selected for funding, out of a total of 3,230 project proposals received.
- **595 new projects** to be launched in 2023 were selected for funding.
- The submission deadlines were extended in comparison to previous years.

The Czech Science Foundation publishes several types of public tenders and calls every year. In 2022, the tenders were for **Standard Projects, EXPRO projects, JUNIOR STAR, POSTDOC INDIVIDUAL FELLOWSHIP (INCOMING and OUTGOING) and International Projects.** In addition to these calls and tenders, existing and new international calls were also issued. Scientists were invited to respond to all calls and tenders by submitting project proposals in all areas of basic research.

The calls and tenders were published on 14 February 2022. The calls were published earlier than in previous years - by doing so, the Czech Science Foundation extended the deadline for submitting project proposals. **Project proposals could be submitted till 7 April 2022.** For the international calls, the deadlines varied as agreed with the international partner agencies. The anticipated launch date for the projects recommended for funding based on these tenders, with the exception of the international ones, was 1 January 2023.

The following sections present the evaluation of the individual tenders and calls launched in both 2022 and 2021, as the projects funded under the 2021 tenders and calls were launched in 2022.

Total number of projects funded by project group

	Number of projects funded in 2022	Number of projects funded in 2023
Standard Projects	501	483
International Projects	73*	55**
EXPRO Projects	-	10
JUNIOR STAR	16	23
POSTDOC INDIVIDUAL FELLOWSHIP	27	24
Fellowship to visit ERC grantee	1	-
Total	618	595**

* Of which 5 projects (4 ARRS and 1 ARRS + FWF) were launched in 2023.

** As of 22 March 2023, the evaluation has not yet been completed for all project proposals.

TENDERS AND CALLS LAUNCHED IN 2022

- **3,137** Project Proposals received by the Czech Science Foundation by the tender deadline and **93** LA projects received for evaluation by foreign agencies
- **14** Project Proposals were not accepted because they failed to meet the terms of the public tender
- **11** Project Proposals (i.e. 0.3%) were disqualified because they did not meet the requirements
- **12** Applicants/Organizations withdrew from the public tenders
- **618** Project Proposals selected for financing

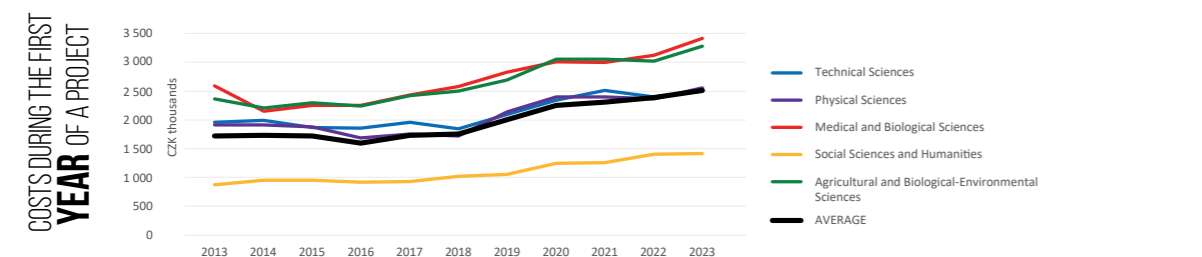
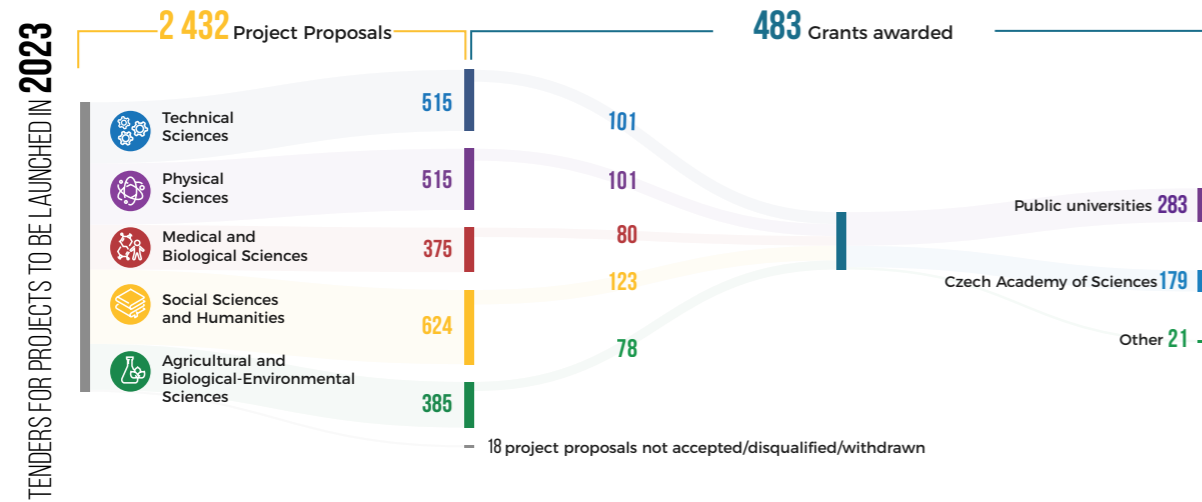
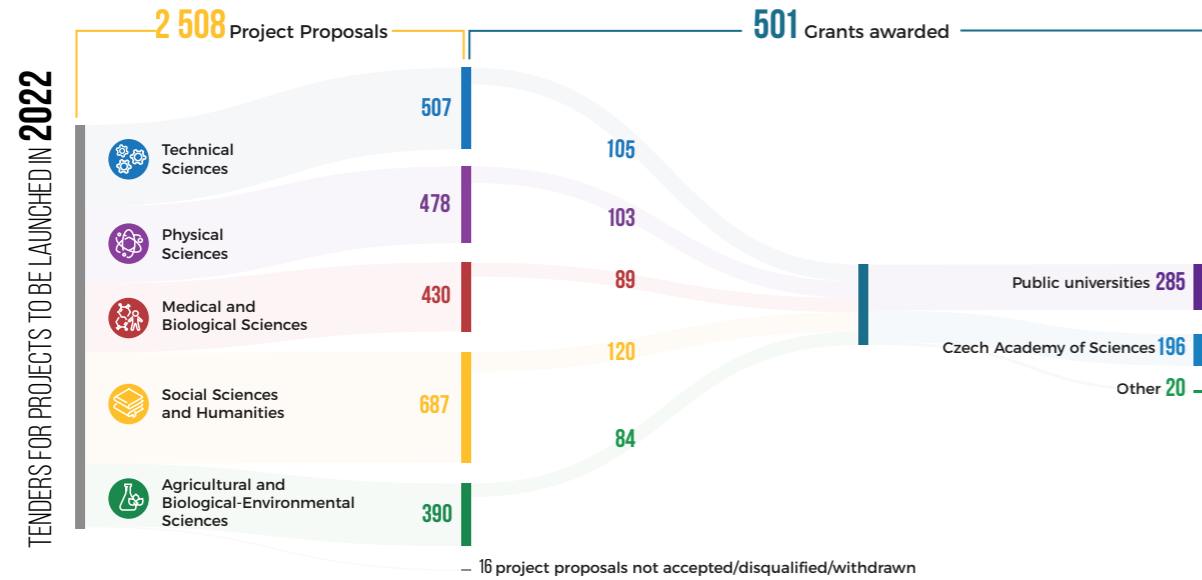
TENDERS AND CALLS LAUNCHED IN 2023

- **3,020** Project Proposals received by the Czech Science Foundation by the tender deadline and **145** LA projects received for evaluation by foreign agencies
- **13** of the Project Proposals were not accepted because they failed to meet the terms of the public tender
- **14** Project Proposals (i.e. 0.4%) were disqualified because they did not meet the requirements
- **15** Applicants/Organizations withdrew from the public tenders
- **595** Project Proposals selected for financing

5.1 Standard Projects

BASIC CHARACTERISTICS

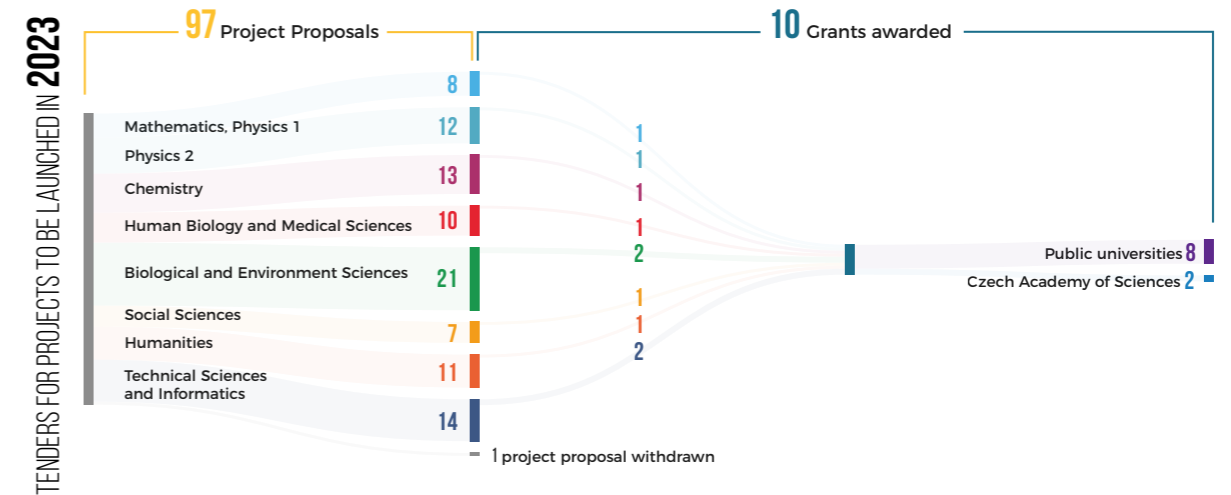
- project duration 2-3 years
- targeted at all researchers and teams
- published annually since 1993
- the most frequently applied grant tender scheme



5.2 EX|PRO

BASIC CHARACTERISTICS

- the aim of the grant is to bring about a breakthrough in the field - these are called high risk/high gain projects
- highly selective, and designed for excellence in science
- the first call was published in 2018
- 5-year project duration
- up to CZK 50 mil for the entire duration of the project
- projects are evaluated by international experts only
- no public tender was launched in 2021 in accordance with the timetable, the next public tender will be launched in 2022



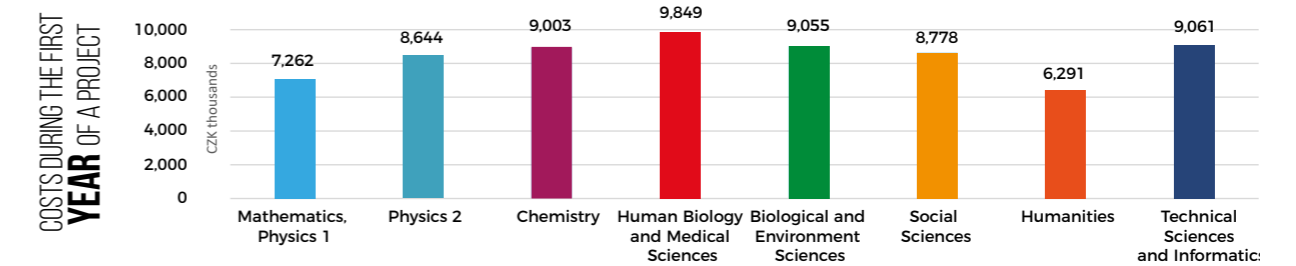
AVERAGE EXPENSES FOR 1 YEAR OF WORK ON PROJECTS

CZK 8.419 million

average expenses for 1 year of work on the project

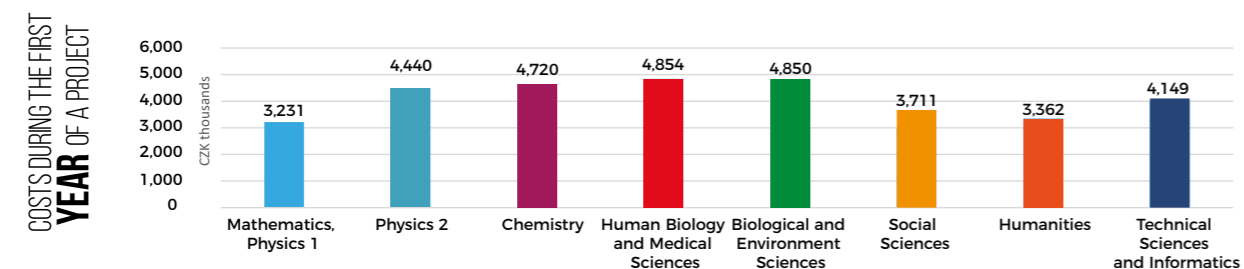
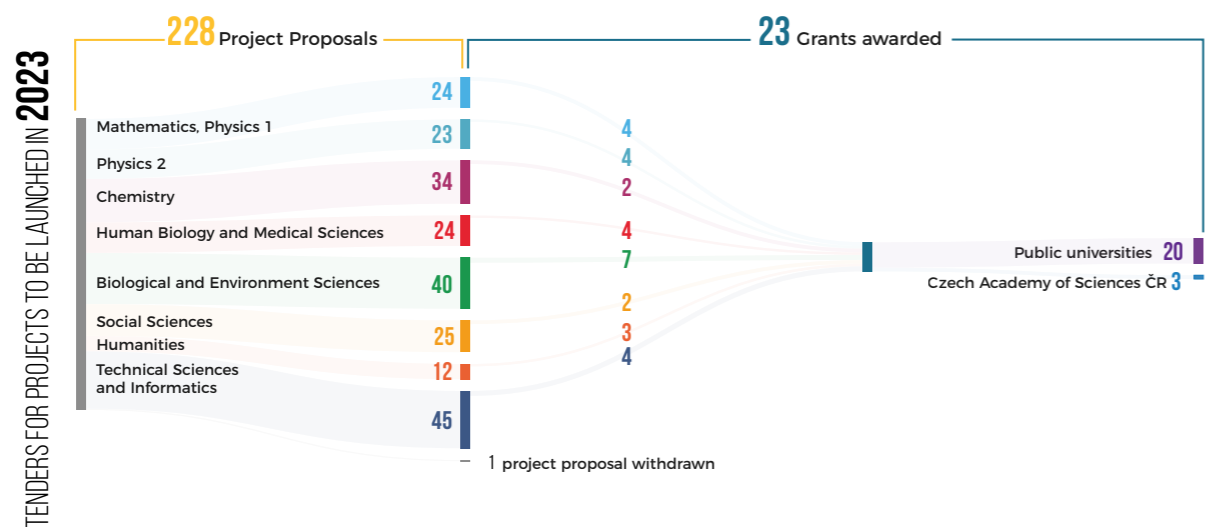
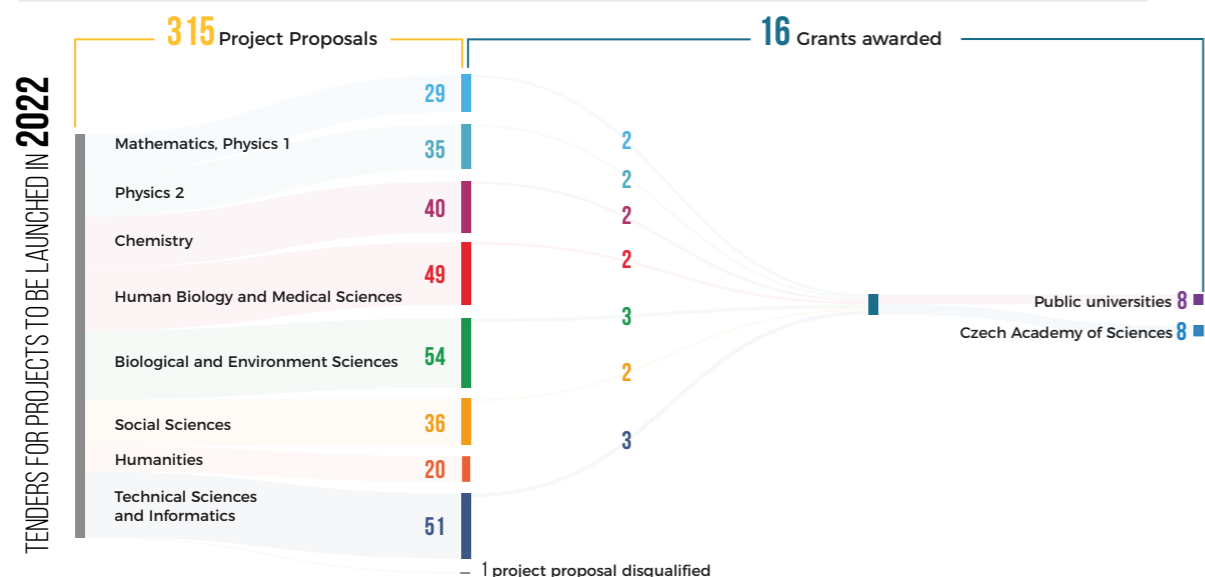
CZK 42.095 million

average amount expenses for the entire duration of work on the project



BASIC CHARACTERISTICS

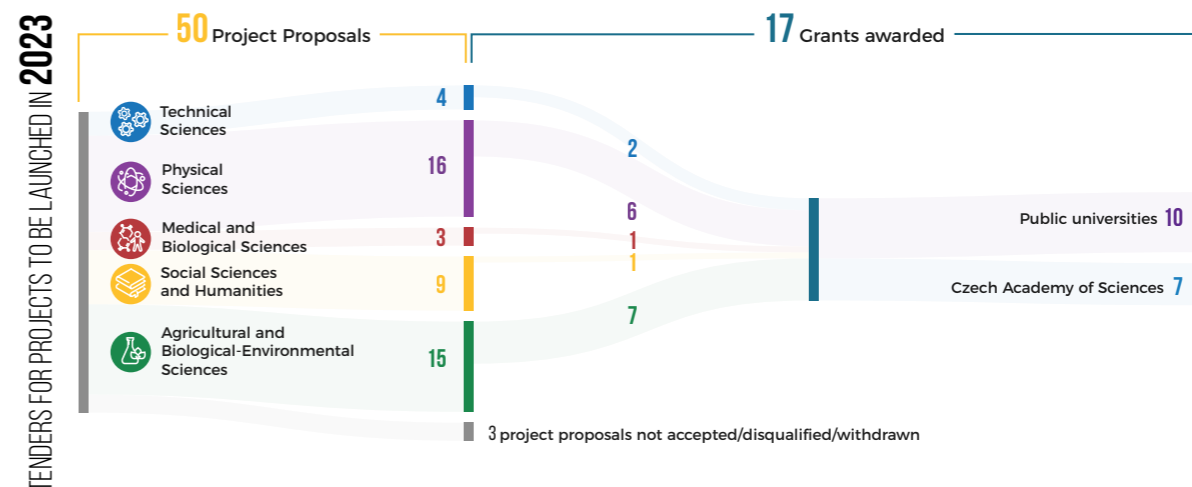
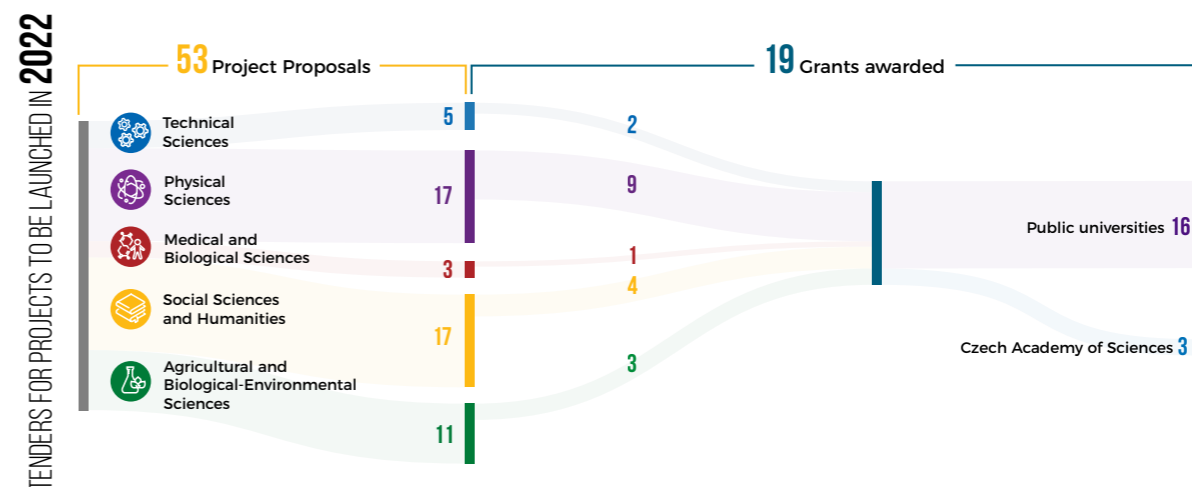
- highly selective grants for scientists in their early careers who get the opportunity to explore their own research topics
- for researchers who completed their Ph.D. degrees no more than 8 years ago, and who have already gained significant international experience
- the first call was published in 2020
- up to CZK 25 mil for the entire duration of the project



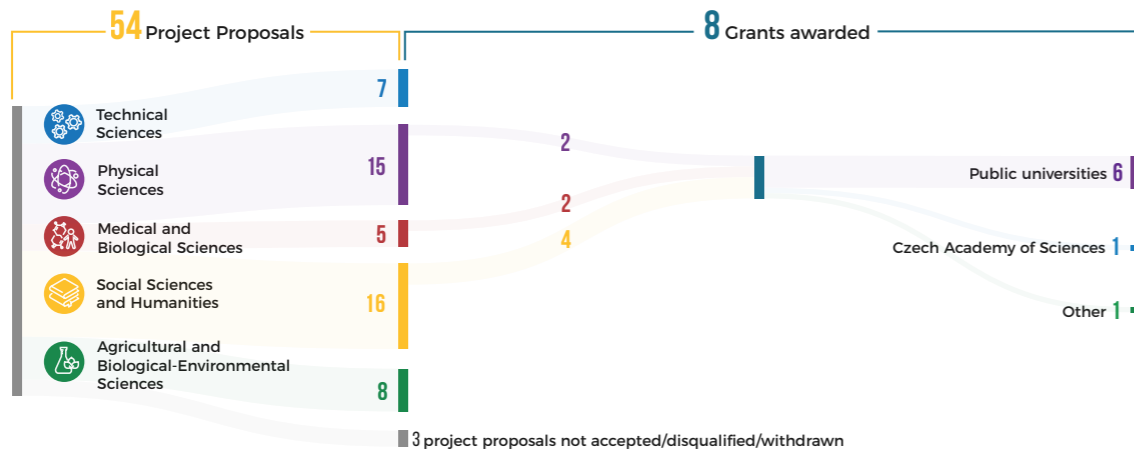
BASIC CHARACTERISTICS

- division into outgoing grants POSTDOC INDIVIDUAL FELLOWSHIP OUTGOING - PIF OUT (researchers will spend two years at the foreign site and then one year at the Czech site) and POSTDOC INDIVIDUAL FELLOWSHIP INCOMING - PIF IN (researchers working abroad spend three years at the Czech site)
- for researchers within 4 years of obtaining their Ph.D.
- first call in 2021
- 3-year project duration

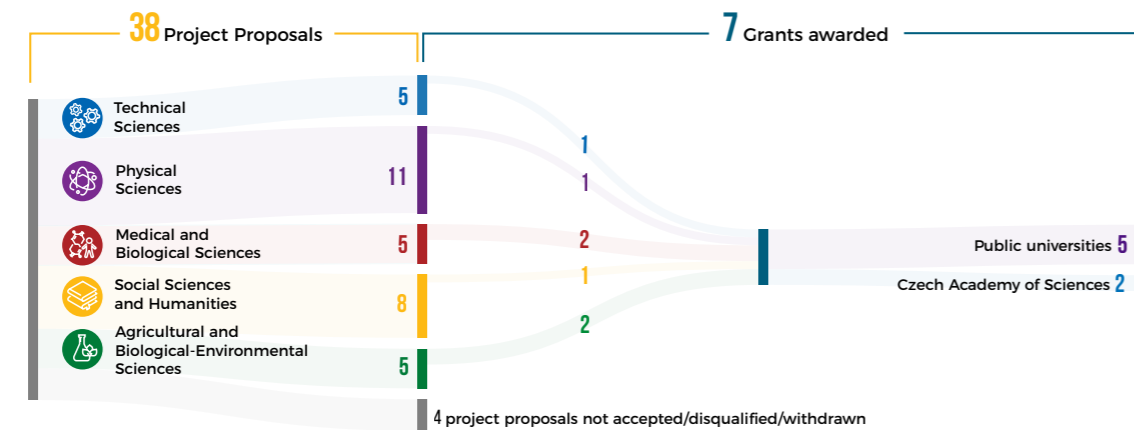
POSTDOC INDIVIDUAL FELLOWSHIP OUTGOING



TENDERS FOR PROJECTS TO BE LAUNCHED IN 2022



TENDERS FOR PROJECTS TO BE LAUNCHED IN 2023



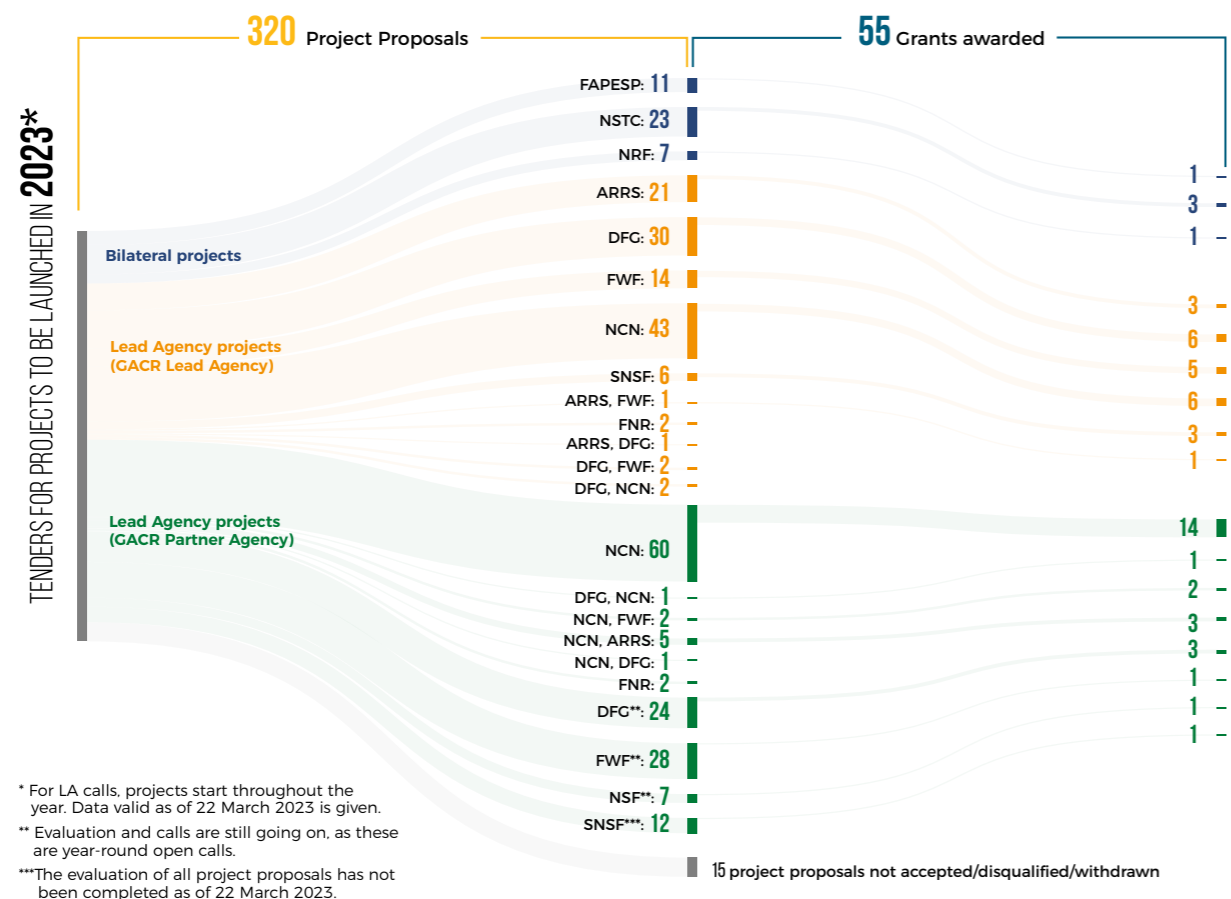
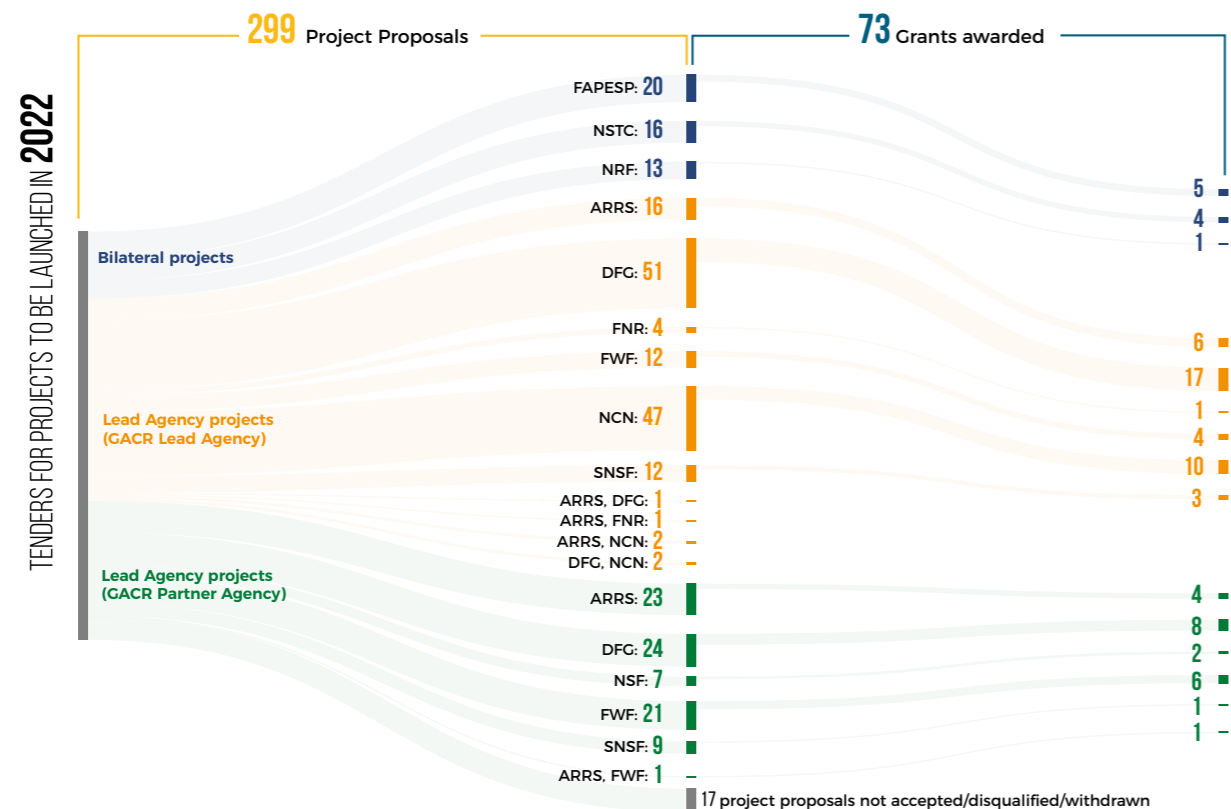
5.5 International Projects

BASIC CHARACTERISTICS

- GACR administers two types of international projects - bilateral projects (evaluated by GACR and the partner institution concurrently) and Lead Agency - LA projects (evaluated by one institution only)
- project duration is 2-3 years
- LA projects can be trilateral within the European Weave initiative
- the topic of the project is chosen by the Czech applicant in cooperation with the foreign applicant
- each national provider funds the activities related to the part of the project carried out in its country

PARTNERSHIPS

- 2005  **GERMANY** - Deutsche Forschungsgemeinschaft (**DFG**)
-  **SOUTH KOREA** - National Research Foundation of Korea (**NRF**)
- 2008  **TAIWAN** - National Science and Technology Council (**NSTC**), formerly the Ministry of Science and Technology (MOST)
- 2013  **AUSTRIA** - Fonds zur Förderung der Wissenschaftlichen Forschung (**FWF**)
- 2018  **BRAZIL** - São Paulo Research Foundation (**FAPESP**)
-  **RUSSIA** - Russian Foundation for Basic Research (**RFBR**)
- 2019  **POLAND** - National Science Centre (**NCN**)
-  **SLOVENIA** - Slovenian Research Agency (**ARRS**)
-  **SWITZERLAND** - Swiss National Science Foundation (**SNSF**)
- 2021  **LUXEMBOURG** - National Research Fund (**FNR**)
-  **UNITED STATES OF AMERICA** - National Science Foundation (**NSF**)



* For LA calls, projects start throughout the year. Data valid as of 22 March 2023 is given.

** Evaluation and calls are still going on, as these are year-round open calls.

***The evaluation of all project proposals has not been completed as of 22 March 2023.

For some calls, the evaluation on the partner agency side has not been completed as of March 2023. GACR expects a higher number of number of proposals received and projects funded. This is mainly due to the year-round open calls of partner organisations, for which projects start throughout the year.

5.6 INTERNATIONAL COOPERATION IN SUPPORT OF ERC GRANT APPLICANTS ("FELLOWSHIP TO VISIT ERC GRANTEE")

The European Research Council (ERC) noted in early 2016 that certain European Union (EU) member states are substantially under-represented in its tenders and that one of the consequences of such under-representation is that the scientific and research potential of scientists from those states is not fully realized. The ERC published a document in January 2016 titled *Fellowship to Visit ERC Grantee*, in which the Council invited national agencies to develop fellowship programmes to help future ERC grants applicants cover the costs of their visits to the locations of ongoing ERC projects abroad. Fellowships abroad should give top Czech scientists the opportunity to get a perspective of the competitive environment of international research. **As a result, applicants will be more likely to win the prestigious ERC grant.**

The "Fellowship to Visit ERC Grantee" is intended for the investigators in GACR junior grants in all scientific fields (Technical Sciences, Physical Sciences, Medical and Biological Sciences, Social Sciences and Humanities, Agricultural and Biological-Environmental Sciences) who were graded as "accomplished" or "excellent" in their last evaluations before submitting an application for the "Fellowship to Visit ERC Grantee". The project is carried out at an institution abroad where the applicant selects the Principal Investigator of an ERC grant ("Mentor") which is ongoing at that time. Once the "Fellowship to Visit ERC Grantee" is completed, the **Beneficiary is required to develop and submit an application for one of ERC grants** (ERC Starting Grants, ERC Consolidator Grants and ERC Advanced Grants) with the host organisation in the Czech Republic.

In 2022, one project proposal for an internship in Britain was submitted. The evaluation committee recommended the project for support. Thanks to this, investigator Monika Baumanová, M.A., Ph.D. from the University of West Bohemia in Plzeň could spend her internship from July to December with her mentor Corisande Fenwick at University College London. The project that the investigator worked on during her internship is titled: "Urban transformation on the house scale: Islamic house on the East African coast in comparative perspectives (14th - 20th century)".

5.7 EVALUATION OF COMPLETED GRANT PROJECTS

In 2022, a **total of 530 grant projects funded by the Czech Science Foundation were evaluated**, while another 283 evaluations were postponed until the following year. The Evaluation Panels and, subsequently, the Discipline Committees assessed the outcomes of the grant projects using the predefined criteria, and proposed the final grades to the Presidium. The evaluations for 2022 are shown in the table below.

Project evaluations by Discipline Committee in 2022

	Excellent	Accomplished	Accomplished with reservation	Failed	Evaluation postponed
Technical Sciences	23	95	5	1	46
Physical Sciences	26	95	8	2	30
Medical and Biological Sciences	23	57	10		43
Social Sciences and Humanities	20	67	20	7	109
Agricultural and Biological-Environmental Sciences	23	45	3		55
Total	115	359	46	10	283

6. HOW PROJECT PROPOSALS ARE EVALUATED

KEY FACTS

- All projects which received funding had been evaluated by at least **two international reviewers**.
- An average of **3.2 reviews per Project Proposal** in the second phase of project review were carried out **by international experts** in 2022.
- JUNIOR STAR and EXPRO prestigious projects are evaluated by **international experts only**.
- The evaluation system takes inspiration from the ERC evaluation system.

In 2022, the Czech Science Foundation evaluated more than 3 thousand Project Proposals in the various types of tenders. Almost half of them were recommended for the second round. **Almost 4.5 thousand evaluations from international reviewers** were carried out for these proposals, **i.e. an average of 3.2 evaluations per proposal**. In 2022, two or more international evaluations were obtained for all of the proposals advancing to the second evaluation round.

HOW DO WE AVOID CONFLICTS OF INTEREST?

 <p>GRIS Monitored automatically by the GRIS project management system</p>	 <p>No panelists participate in project discussions where they have a conflict of interest</p>	 <p>GACR Code of Ethics applying to evaluators</p>	 <p>Limiting the term of office of panellists to a maximum of 4 years</p>
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The Czech Science Foundation evaluates Project Proposals in **two ways depending on the type of the tender**. The evaluation period is eight months, and the project evaluation process is multi-stage. **Experts from abroad** are involved in all types of evaluation. The review process is inspired by that of the European Research Council.

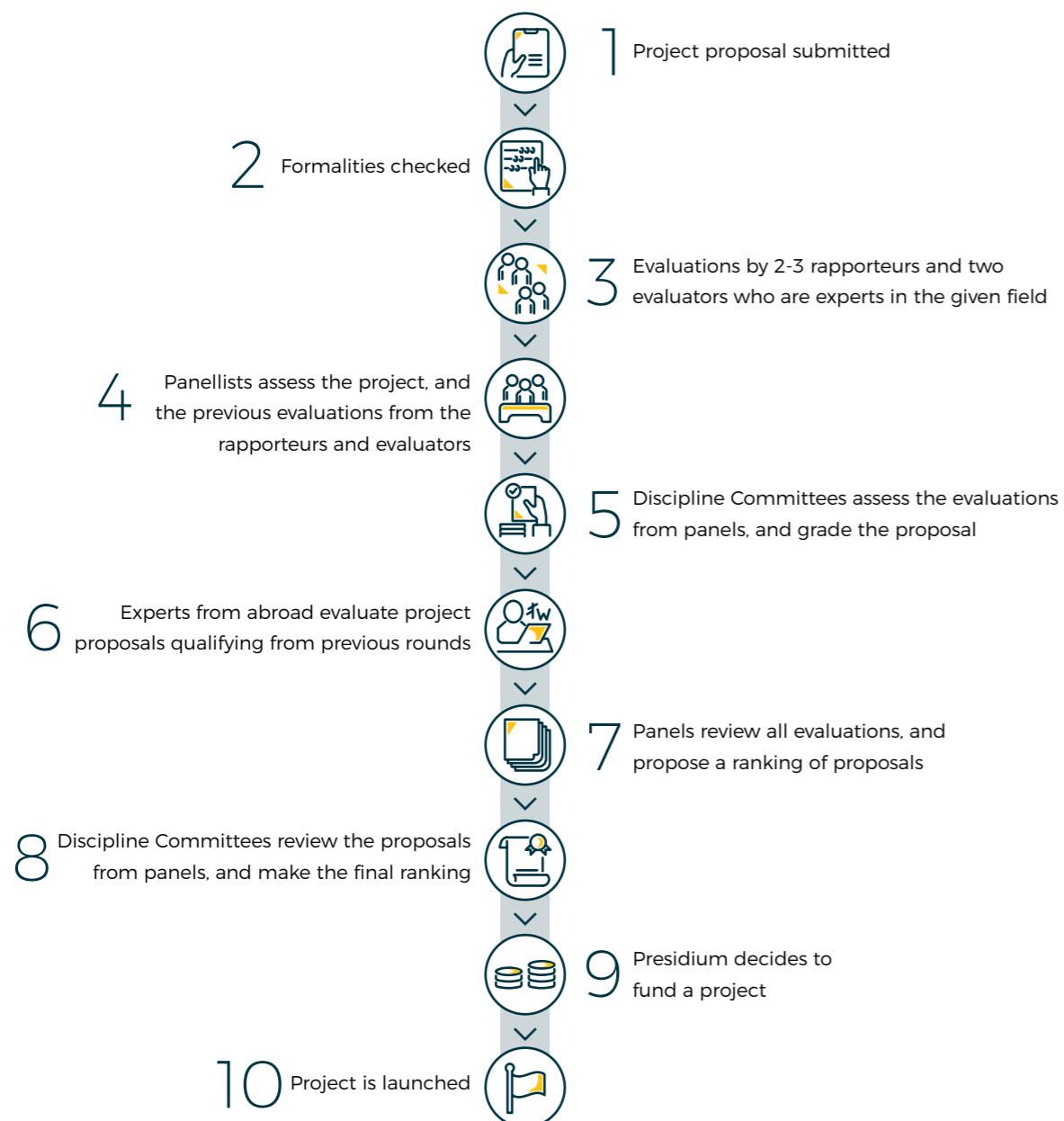
The review process is described in more detail at our website: <https://gacr.cz/en/evaluation-process-of-project-proposals/>

6.1 HOW STANDARD AND INTERNATIONAL PROJECTS ARE EVALUATED

BASIC CHARACTERISTICS

- three-phase evaluation system (Evaluation Panels, Discipline Committees, Presidium)
- at least two independent reviews of each Project Proposal, and two further project evaluations
- at least one international review for projects advancing to the second phase of evaluation
- the Discipline Committees make a ranking of the Project Proposals from the individual panels
- the ranking is the basis for the Presidium's decision

Project proposal evaluation process



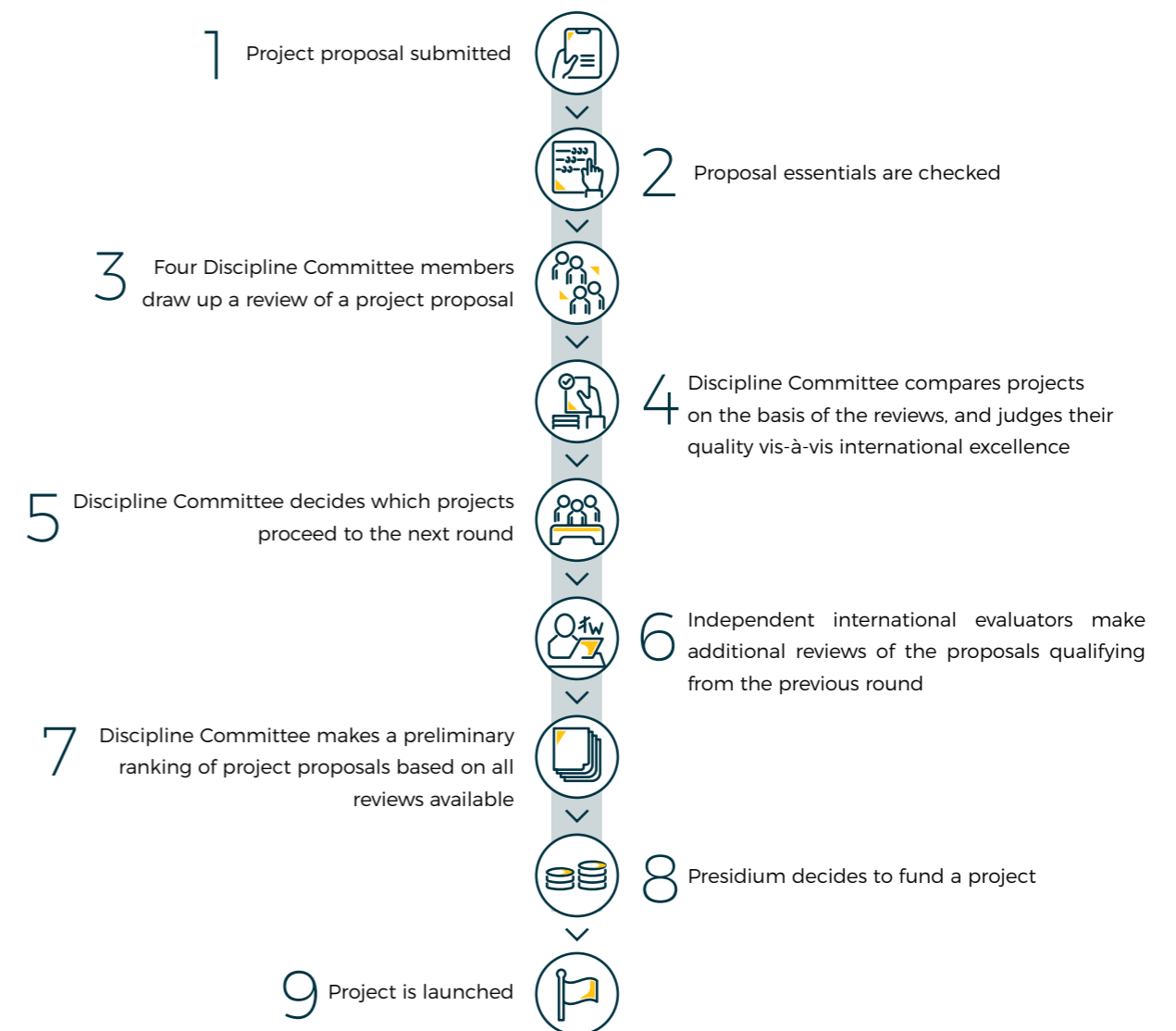
The process is also described in more detail at:
<https://gacr.cz/en/evaluation-process-of-project-proposals/>

6.2 HOW THE EXPRO AND JUNIOR STAR PROJECT PROPOSALS ARE EVALUATED

BASIC CHARACTERISTICS

- two-stage evaluation system
- eight Discipline Committees recommend projects for funding to the Presidium
- four independent reviews of each Project Proposal
- if possible, two external reviews of the projects advancing to the second stage of the evaluation
- an external reviewer or member of the EXPRO Discipline Committee must not have a history of working at any institution in the Czech Republic in the last five years
- international experts are recommended by the Science Connect independent agency

Evaluation process for the EXPRO and JUNIOR STAR Project Proposals



The process is also described in more detail at:
<https://gacr.cz/en/evaluation-process-of-the-expro-project-proposals/>

KEY FACTS

- The Czech Science Foundation took part in the preparation for the **Implementation of the Strategy for the Equality of Women and Men 2021-2030.**
- A revised **Guide to Maternity and Parenthood** is available to scientists in the tender documents.
- **More than a quarter of the Standard Project proposals were submitted by women** last year.

The Czech Science Foundation has, for a long time, been proactive regarding gender topics and the implementation of recommendations in the area of gender equality in research and development. The strategic goals of the National R&D Strategy 2021+ are part of the internal GACR documentation and its recommendations are taken into account in the tender documentation of all announced grant project call types.

The Czech Science Foundation views the creation of equal working conditions for men and women and the combination of scientific work and parenthood as a priority - human resource development among GACR grant support beneficiaries is taken into account as part of project proposal evaluation. From 2023 onward, gender equality plans are required as part of project proposals. GACR also takes into account the needs of investigators and applicants, both male in female, not only in the context of motherhood and parenthood, but also in other situations such as health-related issues or care for family members.

The dimension of gender is reflected in analyses of grant project group results. GACR also takes active part in fulfilling the Strategy for the Equality of Men and Women in 2021-2030. We are also a co-operating organization in the international GENDERACTION plus project in the role of Associated Partner for the topics "Gender Dimension in Research and Innovation" and "Monitoring and Evaluation in of ERA GE Policies and Indicators".

REPRESENTATION OF MEN AND WOMEN IN THE GOVERNING BODIES AND PROJECTS OF GACR

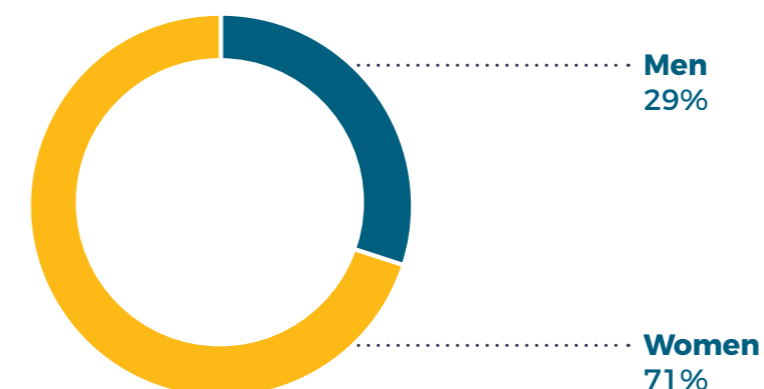
The proportion of women and men in the governing bodies of GACR

	Total	Number of women	Number of men	Representation of women
Presidium	5	2	3	40%
Scientific advisory board	11	1	10	9%
Supervisory board	10	3	7	30%

OFFICE OF GACR

At the end of 2022, a total of **58 employees were working in the Foundation's Office**, 41 of them women and 17 men.

The proportion of men and women employed at the Office of GACR



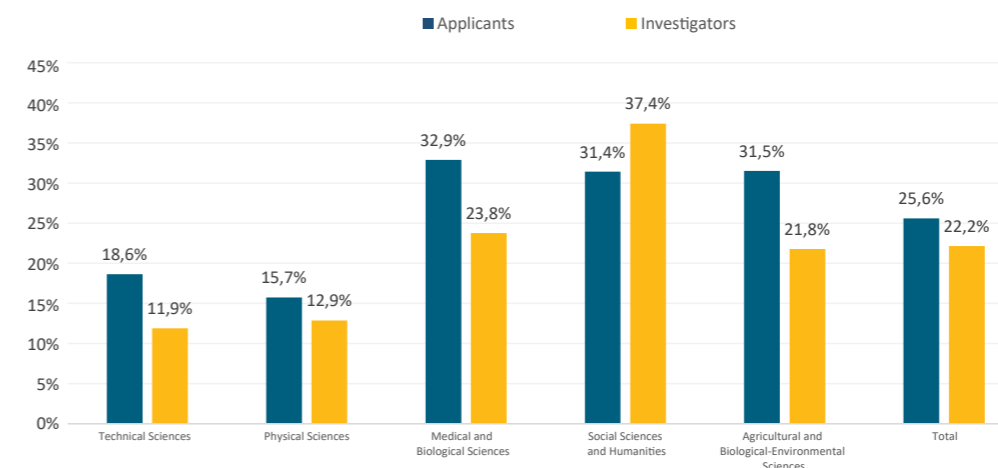
CZECH SCIENCE FOUNDATION PROJECTS

We provide information below on the representation of women and men among the applicants for Standard and JUNIOR STAR projects. Only those projects where it was possible to identify the gender of the applicant/investigator are listed.

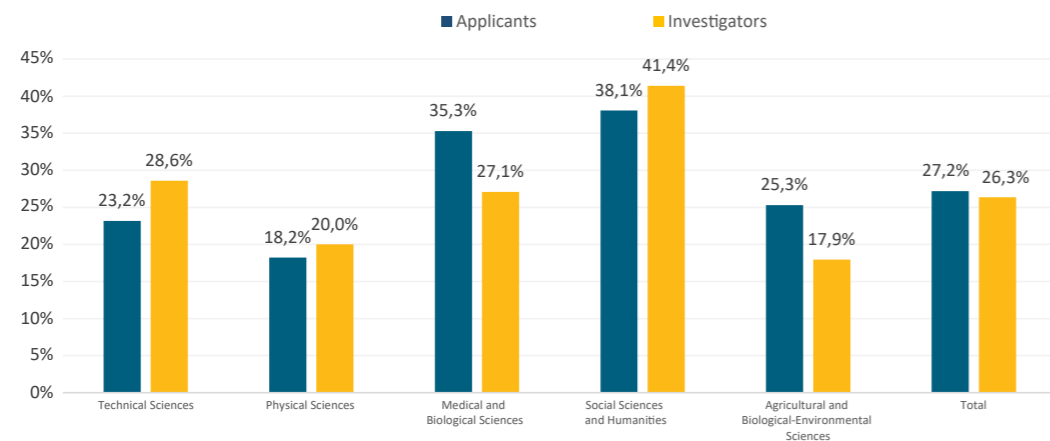
STANDARD PROJECTS

A total of 2,414 Project Proposals were evaluated in Standard Project tenders with an expected launch date in 2023. It was possible to determine whether the proposal was submitted by a male or a female with 2,412 of the proposals. **A total of 617 Project Proposals (i.e. 25.6%) were submitted by women** as applicants, of which 107 received funding (i.e. 22.2%). There were 235 women in the role of co-applicants (i.e. 27.2%) and 54 women in the role of co-investigators (i.e. 26.3%).

Representation of women in the role of project applicant or investigator for standard projects with an expected launch date in 2023 by Discipline Committees



Representation of women in the role of project co-applicant or co-investigator for standard projects with an expected launch date in 2023 by Discipline Committees

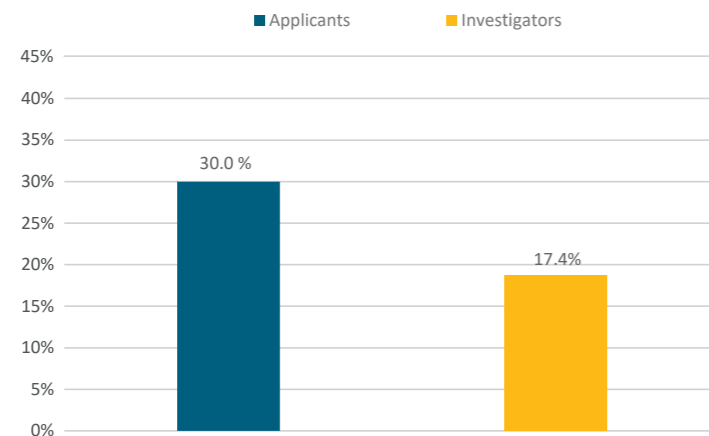


JUNIOR STAR

A total of 227 Project Proposals were evaluated in the JUNIOR STAR tender with an expected launch date in 2022.

A total of 68 Project Proposals (30%) were submitted by women, of which 4 projects (17.4%) received funding.

Representation of women in the role of JUNIOR STAR with an expected launch date in 2023



KEY FACTS

- A number of new informational materials were produced - the brochure "Czech Science Foundation under the Lens" and a series of thematically focused infographics.
- Successful scientific projects are periodically presented on the website GAČR.cz. The **series of articles introducing JUNIOR STAR projects** continues to be published.
- In 2022, further **educational videos** were produced to show project applicants and investigators how to work with GRIS.
- The hotline answered approximately **10,000 enquiries**.

In 2022, GACR continued to develop activities designed to inform the public about the Agency's activities and projects funded. **More than 20 publicity articles on projects funded by the Czech Science Foundation** and their outputs were published, some in cooperation with the Lidove noviny newspaper. Anyone interested was also able to get acquainted with new highly selective JUNIOR STAR projects.

A new brochure titled "**Czech Science Foundation for Early-Career Scientists**" was published. Its aim is to help researchers navigate GACR tenders and their terms and conditions. A series of thematically oriented infographics was also prepared - "GACR Facts and Figures", "Project Proposal Evaluation", "GACR and Parenthood", "GACR - International Projects" and "GACR vs. COVID".

A new series of educational videos was created, detailing the process of submitting Interim and Final Reports in the GRIS application as well as checklists for applicants containing their most important obligations when submitting a project proposal.

The website **www.gacr.cz** continues to be used for presenting successful basic research projects and informing about important events. This is where it is also possible to subscribe to newsletters. Newsletters are mailed out approximately once every 3 months.

Selected projects and activities of the Czech Science Foundation were also featured in public and commercial media. In 2022, the Foundation became a partner of the **Werner von Siemens Prize**. This prize is awarded every year to students, educators and scientists - including a separate category for the most significant outcome of basic research.

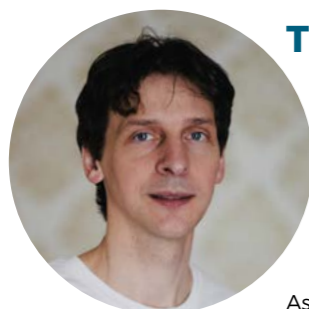
The Czech Science Foundation operates a **helpdesk service for scientists** and administrative staff. Anyone can contact the helpdesk by sending an e-mail to **info@gacr.cz**, calling +420 227 088 841, or filling in a web form. Answers to the most frequently asked questions are published in the **FAQ section** of the Czech Science Foundation's website. In the past year, the operators of these communication channels received approximately 10,000 enquiries. **The video tutorials for the GRIS** application are also used to help applicants create and submit proposals for Standard Projects.

KEY FACTS

- **Five project investigators from various areas of basic research received the award** along with a cash prize of CZK 100,000.
- The traditional award ceremony took place in **September in the refectory of the House of the Professed** of the Faculty of Mathematics and Physics of Charles University.

The President's Awards are presented annually for **extraordinary outcomes accomplished in grant projects**. Last year's winners were selected on the basis of recommendations from hundreds of scientists who had participated in the evaluation of the projects funded by the Czech Science Foundation. Tens of outstanding projects from five areas of basic research were shortlisted. The final decision on the winning projects was made by the Presidium of the Czech Science Foundation.

Each award recipient received a cash prize of 100 thousand Czech crowns. The award ceremony took place on 23 September, 2020, traditionally in the refectory of the House of the Professed at the Faculty of Mathematics and Physics of Charles University. The award ceremony was also streamed online for the first time. The recording is available for viewing on the **YouTube channel of the Czech Science Foundation** along with video messages of the awarded recipients.



TECHNICAL SCIENCES

Solving inverse problems for the analysis of fast moving objects

Doc. Ing. Filip Šroubek, Ph.D., DSc. (Institute of Information Theory and Automation of the CAS)

As part of the project, a new method allowing for the marked improvement of image quality above the technical limitations of a recording was developed. This method is based on the fact that more information can be extracted from blurred footage than from a single sharp frame - for example, the 3D trajectory and angular speed of an object. Thanks to this, it is possible to reconstruct the shape, appearance and movement of a swiftly moving object. Additional focusing of footage can also be utilized in scientific experimentation, defence, healthcare and other areas.



PHYSICAL SCIENCES

Soil contamination assessment using hyperspectral orbital data

M.Sc. Asa Gholizadeh, Ph.D. (Czech University of Life Sciences Prague, Faculty of Agrobiological Sciences, Food and Natural Resources)

This junior project brought about a breakthrough method of identifying contaminated soil using publicly available satellite data about the refraction of light of different wavelengths. This newly invented method uses neural networks and machine learning tools to analyze data - allowing for quick, cheap and ecologically harmless means of gathering information about the contamination of soil in large areas. This method will allow for the implementation of new and more accurate algorithms in future space sensors which will be used to measure the global rate of soil contamination in real time.



MEDICAL & BIOLOGICAL SCIENCES

In search for the evolutionary and functional relationship between LEDGF/p75 and Pdp3

Doc. Ing. Václav Veverka, Ph.D. (Institute of Organic Chemistry and Biochemistry of the CAS)

As part of this project, scientists observed how chosen types of protein sections (previously identified during the study of leukemia and HIV infection) influence the lengthening of RNA chains. They gradually untangled a wide web of mutually co-operating cellular partners affecting this process. In this manner, they managed to uncover the thus-overlooked role of unstructured protein areas in ensuring this co-operation. This discovery can contribute to better understanding cancer, viral and neurodegenerative diseases and other states caused by the disruption of gene expression.



SOCIAL SCIENCES & HUMANITIES

Stylometric Analysis of Poetic Texts

Mgr. Petr Plecháč, Ph.D. & Ph.D. (The Institute for Czech Literature of the CAS)

This project was aimed at the determination of poetic text authorship using machine learning. In addition to commonly utilized text characteristics such as the frequency of word and word phrase usage, scientists focused on the formal verse characteristics (verse rhythm, rhymes), which they proved significantly raises the reliability of results. For example, using machine learning, the team managed to identify which parts of the plays "Henry VIII" and "The Two Noble Kinsmen" were authored by William Shakespeare and which were written by his co-author, John Fletcher.



AGRICULTURAL AND BIOLOGICAL-ENVIRONMENTAL SCIENCES

The sources of intra-population heterogeneity in senescence

Prof. RNDr. Martin Reichard, Ph.D. (Institute of Vertebrate Biology of the CAS)

From a biological point of view, aging is the process of gradually worsening optimal functioning of an organism and an increasing risk of the failure of basic functions. The project revealed the reasons for the different speed of aging between male and female African turquoise killifish in a laboratory and described how environmental conditions, embryonic development and growth rate can affect the aging process. Understanding the source of differences in aging speed are also important for the solution of current questions regarding aging human populations.

KEY FACTS

- Standard, international and POSTDOC INDIVIDUAL FELLOWSHIP projects were evaluated by **39 expert panels** organized into **five Discipline Committees**.
- In 2022, 415 experts served as panel members.
- EXPRO and JUNIOR STAR projects are reviewed **solely by evaluators abroad** in eight Discipline Committees.

The evaluation of Standard, International and POSTDOC INDIVIDUAL FELLOWSHIP projects is a **multi-stage process** - it starts with the drafting of a review and an evaluation by the selected panelists, then it is discussed at the panel meeting and forwarded to the relevant Discipline Committee made up of the chair and vice-chair of the panel. For projects proceeding to the next stage, **further reviews are prepared abroad**, to be discussed by the panellists again, leading to a recommendation to the panel. The panel then recommends the Project Proposals for funding to the Presidium. Details of the evaluation process can be found in the relevant chapter.

The evaluation of JUNIOR STAR and EXPRO Projects is similar, but with several modifications: the system does not include evaluation panels, but rather eight Discipline Committees which review the project proposal. In the first phase, four evaluations of each Project Proposal are written, with each Proposal being evaluated only by experts abroad. The evaluation process is described in more detail in the relevant chapter.

EVALUATION PANELS

The Evaluation Panels are **expert bodies of the Discipline Committees**. The Czech Science Foundation Presidium invites individuals and entities from the Czech scientific community to nominate panel members. The selection of members for each panel is then carried out by working groups made up of a representative of the CRDI, a member of the Czech Science Foundation Presidium, and a representative of the Czech Science Foundation Scientific Advisory Board.

In the year 2022, there were multiple replacements of the panel members following the Charter and the Rules of Procedure of the Discipline Committees and Evaluation Panels of the Czech Science Foundation. A total of 34 members were newly appointed. The new experts started their first term in office on 1 April 2022. At the end of 2022, there were a total of **415 experts** serving on 39 panels.

The members of the panels are selected with regard to the following criteria:

- high professional standard, assessed primarily on the basis of publications and other achievements
- willingness and ability to be able to evaluate a broader section of the field within the panel
- the ability to evaluate solely on the basis of professional considerations
- disciplinary balance of the panel
- gender balance of the panel
- regional balance of the panel
- representation of panellists from various institutions

CHAIRS AND VICE-CHAIRS OF EVALUATION PANELS



TECHNICAL SCIENCES

P101 MECHANICAL ENGINEERING

Doc. Ing. Petr Svoboda, Ph.D. (chair)

- Brno University of Technology, Faculty of Mechanical Engineering

Doc. Ing. Jan Vimmer, Ph.D. (vice-chair)

- University of West Bohemia, Faculty of Applied Sciences

P102 ELECTRICAL ENGINEERING AND ELECTRONIC ENGINEERING

Prof. Ing. Jan Franc, DrSc. (chair)

- Charles University, Faculty of Mathematics and Physics

Prof. Ing. Radimír Vrba, CSc. (vice-chair)

- Brno University of Technology, Faculty of Electrical Engineering and Communication

P103 CYBERNETICS, ARTIFICIAL INTELLIGENCE AND INFORMATION PROCESSING

Ing. Jiří Mekyska, Ph.D. (chair)

- Brno University of Technology, Faculty of Electrical Engineering and Communication

Prof. RNDr. Olga Štěpánková, CSc. (vice-chair)

- Czech Technical University in Prague, Czech Institute of Informatics, Robotics and Cybernetics

P104 CONSTRUCTION MATERIALS, ARCHITECTURE AND BUILDING SCIENCE

Prof. Ing. Eva Vejmelková, Ph.D. (chair)

- Czech Technical University in Prague, Faculty of Civil Engineering

Doc. Ing. Radomír Sokolář, Ph.D. (vice-chair)

- Czech Technical University in Prague, Klokner Institute

P105 STRUCTURAL MECHANICS AND CONSTRUCTION, FLUID MECHANICS AND GEOTECHNICS

Prof. Ing. Zbyněk Keršner, CSc. (chair)

- Brno University of Technology, Faculty of Civil Engineering

Prof. Ing. Radim Čajka, CSc. (vice-chair)

- VSB - Technical University of Ostrava, Faculty of Civil Engineering

P106 TECHNICAL CHEMISTRY

Dr. Ing. Jan Macák (chair)

- University of Pardubice, Faculty of Chemical Technology

Ing. Hynek Beneš, Ph.D. (vice-chair)

- Institute of Macromolecular Chemistry of the CAS

P107 METALLIC MATERIALS - PREPARATION AND PROPERTIES

Prof. RNDr. Vladimír Šíma, CSc. (chair)

- Charles University, Faculty of Mathematics and Physics

Prof. Ing. Ivan Křupka, Ph.D. (vice-chair)

- Brno University of Technology, Faculty of Mechanical Engineering

P108 MATERIALS SCIENCES AND ENGINEERING

Doc. RNDr. Ing. Martin Kalbáč, Ph.D. (chair)

- J. Heyrovský Institute of Physical Chemistry

Prof. RNDr. Matej Daniel, Ph.D. (vice-chair)

- Czech Technical University in Prague, Faculty of Mechanical Engineering



PHYSICAL SCIENCES

P202 MATHEMATICS AND COMPUTER SCIENCE

Prof. RNDr. Daniel Král, Ph.D., DSc. (chair)

- Masaryk University, Faculty of Informatics

Doc. Mgr. Vítězslav Kala, Ph.D. (vice-chair)

- Charles University, Faculty of Mathematics and Physics

P203 NUCLEAR AND PARTICLE PHYSICS, ASTRONOMY AND ASTROPHYSICS

Mgr. Juraj Fedor, Ph.D. (chair)

- J. Heyrovský Institute of Physical Chemistry

Doc. RNDr. Miloslav Zejda, Ph.D. (vice-chair)

- Masaryk University, Faculty of Science

P204 CONDENSED MATTER AND MATERIAL PHYSICS, PLASMA PHYSICS AND LOW TEMPERATURE PHYSICS

Doc. RNDr. Radek Plašil, Ph.D. (chair)

- Charles University, Faculty of Mathematics and Physics

Prof. Ing. Čestmír Drašar (vice-chair)

- University of Pardubice, Faculty of Chemical Technology

P205 BIOPHYSICS, MACROMOLECULAR PHYSICS AND OPTICS

Doc. RNDr. Jakub Pšenčík, Ph.D. (chair)

- Charles University, Faculty of Mathematics and Physics

Doc. RNDr. Robert Vácha, Ph.D. (vice-chair)

- Masaryk University, Central European Institute of Technology

P206 ANALYTICAL CHEMISTRY - CHEMICAL AND STRUCTURAL ANALYSIS OF ATOMIC, MOLECULAR AND (BIO) MOLECULAR SYSTEMS

Prof. RNDr. Viktor Kanický, DrSc. (chair)

- Masaryk University, Faculty of Science

Prof. RNDr. Petr Solich, CSc. (vice-chair)

- Univerzita Karlova, Farmaceutická fakulta v Hradci Králové

P207 CHEMICAL AND BIOCHEMICAL TRANSFORMATIONS

Prof. Ing. Aleš Růžička, Ph.D. (chair)

- University of Pardubice, Faculty of Chemical Technology

Prof. RNDr. Petr Hermann, Ph.D. (vice-chair)

- Charles University, Faculty of Science

P208 CHEMICAL PHYSICS AND PHYSICAL CHEMISTRY

Doc. RNDr. Pavel Matějček, Ph.D. (chair)

- Charles University, Faculty of Science

Doc. Mgr. Michal Straka, Ph.D. (vice-chair)

- Institute of Organic Chemistry and Biochemistry of the Czech Academy of Sciences

P209 ATMOSPHERIC SCIENCES, HYDROLOGY, PHYSICAL GEOGRAPHY AND GEOPHYSICS

Doc. Ing. Michal Dohnal, Ph.D. (chair)

- Czech Technical University in Prague, Faculty of Civil Engineering

Doc. RNDr. Hana Čížková, Ph.D. (vice-chair)

- Charles University, Faculty of Mathematics and Physics

P210 GEOCHEMISTRY, GEOLOGY AND MINERALOGY, HYDROGEOLOGY

Prof. RNDr. Vojtěch Ettler, Ph.D. (chair)

- Charles University, Faculty of Science

RNDr. Ladislav Slavík, CSc. (vice-chair)

- Institute of Geology of the CAS



MEDICAL AND BIOLOGICAL SCIENCES

P301 MOLECULAR AND STRUCTURAL BIOLOGY, GENETICS, GENOMICS AND BIOINFORMATIC

Doc. Ing. Václav Veverka, Ph.D. (chair)

- Institute of Organic Chemistry and Biochemistry of the CAS

RNDr. Jiří Hejnar, CSc. (vice-chair)

- Institute of Molecular Genetics of the CAS

P302 MICROBIOLOGY, PARASITOLOGY, IMMUNOLOGY AND BIOTECHNOLOGY

Doc. Mgr. Lukáš Kubala, Ph.D. (chair)

- Institute of Biophysics of the CAS

Doc. MUDr. Helena Žemličková, Ph.D. (vice-chair)

- Charles University, Faculty of Medicine in Hradec Králové

P303 CELL, DEVELOPMENTAL AND EVOLUTIONARY BIOLOGY

Mgr. Jakub Rohlena, Ph.D. (chair)

- Institute of Biotechnology of the CAS

Doc. Ing. Martin Pšenička, Ph.D. (vice-chair)

- University of South Bohemia in České Budějovice, Faculty of Fisheries and Protection of Waters

P304 TUMOR BIOLOGY, EXPERIMENTAL ONCOLOGY, MORPHOLOGICAL DISCIPLINES AND PATHOLOGY

MUDr. Petr Müller, Ph.D., (chair)

- Masaryk Institute of Oncology

Prof. MUDr. Mgr. Zbyněk Tonar, Ph.D., (vice-chair)

- Charles University, Faculty of Medicine in Plzeň

P305 MEDICAL PHYSIOLOGY AND NEUROSCIENCE, DIAGNOSTICS AND THERAPY, TRANSLATIONAL RESEARCH

Doc. MVDr. Aleš Hampl, CSc. (chair)

- Masaryk University, Faculty of Medicine

PharmDr. Šárka Kubinová, Ph.D. (vice-chair)

- Institute of Physics of the Czech Academy of Sciences

P306 PHARMACOLOGY, TOXICOLOGY, MEDICAL BIOCHEMISTRY, MEDICAL BIOPHYSICS

Prof. RNDr. Pavel Anzenbacher, DrSc. (chair)

- Palacký University Olomouc, Faculty of Medicine and Dentistry

Prof. RNDr. Viktor Brabec, DrSc. (vice-chair)

- Institute of Biophysics of the CAS



SOCIAL SCIENCES AND HUMANITIES

P401 PHILOSOPHY, THEOLOGY, RELIGIOUS STUDIES

Dr. phil. Tomáš Pavlíček, Ph.D. (chair)

- Masaryk Institute and Archives of the Czech Academy of Sciences

Doc. Mgr. Michaela Fišerová, M.A., Ph.D. (vice-chair)

- Metropolitan University Prague

P402 ECONOMIC SCIENCES, MACROECONOMICS, MICROECONOMICS, ECONOMETRICS (EXCEPT FINANCIAL ECONOMETRICS), QUANTITATIVE METHODS IN ECONOMICS (EXCEPT OPERATIONAL RESEARCH)

Prof. Ing. Martin Macháček, Ph.D. et Ph.D. (chair)

- VSB - Technical University of Ostrava, Faculty of Economics

Doc. Ing. Tomáš Formánek, Ph.D. (vice-chair)

- Prague University of Economics and Business, Faculty of Informatics and Statistics

P403 BUSINESS AND MANAGEMENT SCIENCE, FINANCIAL ECONOMETRICS AND OPERATIONAL RESEARCH

Ing. Martin Srholec, Ph.D. (chair)

- Economics Institute of the CAS

Prof. Ing. Karel Janda, M.A., Dr., Ph.D. (vice-chair)

- Charles University, Faculty of Social Sciences

P404 SOCIOLOGY, DEMOGRAPHY, SOCIAL GEOGRAPHY AND MEDIA STUDIES

Prof. PhDr. Jan Jiráček, Ph.D. (chair)

- Charles University, Faculty of Social Sciences

PhDr. Hana Hašková, Ph.D. (vice-chair)

- Institute of Sociology of the CAS

P405 ARCHAEOLOGY AND PRE-MODERN HISTORY (UNTIL 1780)

Prof. Dr. Phil. Mgr. Pavel Himl (chair)

- Institute of Archaeology of the CAS

Mgr. Martin Novák, Ph.D. (vice-chair)

- Institute of Archeology of the CAS

P406 LINGUISTICS AND LITERATURE

Doc. PhDr. Petr Dytrt, Ph.D. (chair)

- Charles University, Faculty of Humanities

Mgr. Magda Ševčíková, Ph.D. (vice-chair)

- Charles University, Faculty of Mathematics and Physics

P407 PSYCHOLOGY, EDUCATION

Doc. PhDr. RNDr. Hana Voňková, Ph.D. et Ph.D. (chair)

- Charles University, Faculty of Education

Mgr. Jiří Lukavský, Ph.D. (vice-chair)

- Institute of Psychology of the Czech Academy of Sciences

P408 JURISPRUDENCE AND POLITICAL SCIENCE

Doc. Mgr. Ing. Radka Druláková, Ph.D. (chair)

- Prague University of Economics and Business, Faculty of International Relations

JUDr. Jan Malíř, Ph.D. (vice-chair)

- Institute of State and Law of the Czech Academy of Sciences

P409 ART SCIENCES

PhDr. Alena Volrábová, Ph.D. (chair)

- National Gallery Prague

Doc. PhDr. Martin Flašar, Ph.D. (vice-chair)

- Masaryk University, Faculty of Arts

P410 MODERN HISTORY (SINCE 1780) AND ETHNOLOGY

Doc. PhDr. Andrea Pokludová, Ph.D. (chair)

- University of Ostrava, Faculty of Arts

Doc. PhDr. Martin Jemelka, Ph.D. (vice-chair)

- Masaryk Institute and Archives of the Czech Academy of Sciences



AGRICULTURAL AND BIOLOGICAL-ENVIRONMENTAL SCIENCES

P501 PLANT PHYSIOLOGY AND GENETICS, PLANT MEDICINE

RNDr. Kateřina Bišová, Ph.D. (chair)

- Institute of Microbiology of the CAS

Prof. Ing. Petr Smýkal, Ph.D. (vice-chair)

- Palacký University Olomouc, Faculty of Science

P502 ANIMAL PHYSIOLOGY AND GENETICS, VETERINARY MEDICINE

Prof. Ing. Jaroslav Petr, DrSc. (chair)

- Institute of Animal Science

Ing. Jiří Plachý, CSc. (vice-chair)

- Institute of Molecular Genetics of the Czech Academy of Sciences

P503 FOOD TECHNOLOGY, ECOTOXICOLOGY AND ENVIRONMENTAL CHEMISTRY

Prof. RNDr. Luděk Bláha, Ph.D. (chair)

- Masaryk University, Faculty of Science

RNDr. Tomáš Řezanka, CSc., DSc. (vice-chair)

- Institute of Microbiology of the Czech Academy of Sciences

P504 LANDSCAPE MANAGEMENT, FORESTRY AND SOIL BIOLOGY, ECOSYSTEM ECOLOGY

Doc. RNDr. Tereza Zádorová, Ph.D. (chair)

- Czech University of Life Sciences Prague, Faculty of Agrobiological Sciences, Food and Natural Resources

Mgr. Petr Kohout, Ph.D. (vice-chair)

- Institute of Microbiology of the CAS

P505 ANIMAL AND PLANT ECOLOGY

Prof. Ing. Pavel Kozák, Ph.D. (chair)

- University of South Bohemia in České Budějovice, Faculty of Fisheries and Protection of Waters

Doc. Mgr. Otmar Urban, Ph.D. (vice-chair)

- Global Change Research Institute of the CAS

P506 BOTANY AND ZOOLOGY

Prof. Ing. Petr Ráb, DrSc., dr. h. c. (chair)

- Institute of Animal Physiology and Genetics of the CAS

Prof. RNDr. Martin Reichard, Ph.D. (vice-chair)

- Institute of Vertebrate Biology of the CAS

DISCIPLINE COMMITTEES

The Discipline Committees (hereinafter "DCs") are **expert advisory bodies** in charge of evaluating Grant Project Proposals, and their Interim and Final Reports. They are made up of 12 to 20 members, all of whom are experts in their respective scientific fields. Each of the DCs **is made up of the Chair and Vice-Chair of the panel**. The Chair and Vice-Chair of the Panel are appointed by the Presidium for a two-year term, from among individuals nominated by the members of the relevant Panel in a secret ballot.

CHAIRS AND VICE-CHAIRS OF DISCIPLINE COMMITTEES

In 2022, a total of 39 Chairs and 39 Vice-Chairs served on the panels.

DC1 TECHNICAL SCIENCES

Doc. RNDr. Ing. Martin Kalbáč, Ph.D. (chair)

- J. Heyrovský Institute of Physical Chemistry

Prof. RNDr. Vladimír Šíma, CSc. (vice-chair)

- Charles University, Faculty of Mathematics and Physics

DC2 PHYSICAL SCIENCES

Prof. RNDr. Daniel Král, Ph.D., DSc. (chair)

- Masaryk University, Faculty of Informatics

Doc. RNDr. Hana Čížková, Ph.D. (vice-chair)

- Charles University, Faculty of Mathematics and Physics

DC3 MEDICAL AND BIOLOGICAL SCIENCES

Doc. Mgr. Lukáš Kubala, Ph.D. (chair)

- Institute of Biophysics of the CAS

Doc. Ing. Václav Veverka, Ph.D. (vice-chair)

- Institute of Organic Chemistry and Biochemistry of the CAS

DC4 SOCIAL SCIENCES AND HUMANITIES

Prof. Ing. Martin Macháček, Ph.D. et Ph.D. (chair)

- VSB - Technical University of Ostrava, Faculty of Economics

Prof. Dr. Phil. Mgr. Pavel Himl (vice-chair)

Charles University, Faculty of Humanities

DC5 AGRICULTURAL AND BIOLOGICAL-ENVIRONMENTAL SCIENCES

Prof. RNDr. Luděk Bláha, Ph.D. (chair)

- Masaryk University, Faculty of Science

RNDr. Tereza Zádorová, Ph.D. (vice-chair)

- Czech University of Life Sciences Prague, Faculty of Agrobiological Sciences, Food and Natural Resources

EXPRO AND JUNIOR STAR (OK EX) DISCIPLINE COMMITTEES

The Discipline Committees for the review of projects in the EXPRO and JUNIOR STAR grant project groups are established as international under the Charter of the Czech Science Foundation. Each Discipline Committee is made up of 10-15 renowned foreign experts chosen to approximately cover the given scientific field. The term of office for EXPRO and JUNIOR STAR Discipline Committee members is 5 years.

CHAIRS AND VICE-CHAIRS OF DISCIPLINE COMMITTEES EXPRO AND JUNIOR STAR

OK EX1 - MATHEMATICS, PHYSICS 1

Prof. Jordi Jose (chair)

- Universitat Politècnica de Catalunya, Spain

Prof. Donald Dingwell (vice-chair)

- Ludwig-Maximilians-Universität München, Germany

DC EX2 - PHYSICS 2

Prof. Jeff De Hosson (chair)

- University of Groningen, Netherlands

Dr. Olivier Krebs (vice-chair)

- Paris Saclay University, France

DC EX3 - CHEMISTRY

Prof. Wolfgang Linert (chair)

- Vienna University of Technology, Austria

Dr. John Tsibouklis (vice-chair)

- University of Portsmouth, United Kingdom

DC EX4 - HUMAN BIOLOGY AND MEDICAL SCIENCES

Prof. William Cushley (chair)

- University of Glasgow, United Kingdom

Prof. Dr. Soares, Cláudio Manuel Simões Loureiro

Nunes (vice-chair)

- Universidade Nova de Lisboa, Portugal

DC EX5 - BIOLOGY AND ENVIRONMENT SCIENCES

Prof. Olivier Honnay (chair)

- KU Leuven, Belgium

Prof. Tim Daniell (vice-chair)

- University of Sheffield, United Kingdom

DC EX6 - SOCIAL SCIENCES

Prof. Claire Denise Wallace (chair)

- University of Aberdeen, United Kingdom

Prof. Juncal Cuñado (vice-chair)

- Universidad de Navarra, Spain

DC EX7 - HUMANITIES

Prof. Elizabeth Lanza (chair)

- University of Oslo, Norway

Prof. William Bowden (vice-chair)

- University of Nottingham, United Kingdom

DC EX8 - TECHNICAL SCIENCES AND INFORMATICS

Prof. Wolfgang Kröger (chair)

- ETH Zürich, Switzerland

Prof. Fabio Gori (vice-chair)

- University of Rome Tor Vergata, Italy

KEY FACTS

- In response to the **Russian aggression against Ukraine**, the Czech Science Foundation allowed for the **expansion of GACR project investigation teams** to include Ukrainian scientist and students and participated in communication activities aimed to support them.
- In response to COVID-19, the Czech Science Foundation continued to employ measures intended to help scientists better handle the situation. This includes, for example, the **inclusion of additional eligible costs**, postponement of deadlines etc.).

SUPPORT OF UKRAINIAN SCIENTISTS AND STUDENTS

In regards to the difficult situation of Ukrainian students and scientists, the Czech Science Foundation recommended for investigation teams to expand to include scientific workers and students from Ukraine. In 2022, it allowed for this without the need for the approval of the GACR Presidium. Furthermore, it asked for applicants in ongoing public tenders to consider involving Ukrainian students and scientists in the investigation teams of newly submitted project proposals and highlighted the option of project proposals from Ukrainian scientists (especially the grant POSTDOC INDIVIDUAL FELLOWSHIP INCOMING).

The Czech Science Foundation took part in communication and other activities leading to the support of Ukrainian scientists and their projects - for example, it added its voice to the joint proclamation of the Minister of Science, Research and Innovation Helena Langšádlová, the Minister of Education, Youth and Sports of the Czech Republic, the Czech Academy of Sciences, the Technology Agency of the Czech Republic, the Association of Research Organizations and the Czech Academy of Agricultural Sciences, or by supporting the RESEARCHIN.CZ initiative as well as that of the partner organization NSTC.

COVID-19

As the year before, 2022 was affected in all areas of life by the COVID-19 pandemic, and the related measures to combat it. Scientists and project work were also affected. For this reason, the Presidium decided to keep in effect the measures implemented to help scientists better handle the situation in previous years.

EXAMPLES OF THE MEASURES

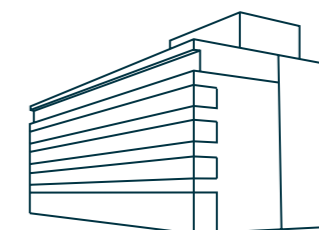
- Permission to extend the project timeline.
- Redefinition of eligible costs to also include increased travel costs (e.g. for mandatory tests), costs of postponed conferences, cancellation fees, telecommunication costs, etc.
- An option to change the overall workload of the team by up to 35% without having to file a request.
- Reduction in the minimum workload for a member of the EXPRO and JUNIOR STAR project teams,

CONTACT



WHERE TO FIND US?

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Hadovka Office Park
Evropská 2589/33b
Prague 6 160 00



WHERE TO FIND OUT THE LATEST INFORMATION?

www.GACR.cz



[facebook.com/
GrantovaAgenturaCR](https://facebook.com/GrantovaAgenturaCR)



NEED ADVICE?

Mon-Thu 9:00 a.m. - 4:00 p.m. Fri 9:00 a.m. - 3:00 p.m.

+420 227 088 841

info@gacr.cz



DATA BOX

Data box for routine correspondence with the Czech Science Foundation: a8uadk4

Data box for submission of Project Proposals, Interim and Final reports: ntq92qs



OFFICE HOURS OF THE SECRETARIAT AND THE MAILROOM

Monday and Wednesday 9:00 a.m. - 4:00 p.m.

www.GACR.cz

