

European Research Council (ERC) grants

Introduction



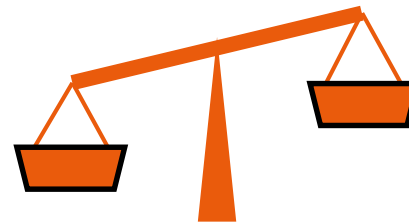
What is ERC



*Starting
Consolidator
Advanced
Synergy*

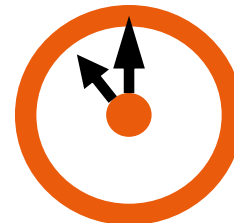
Types of grants

Evaluation procedure



Related funding in Czechia

Forthcoming deadlines



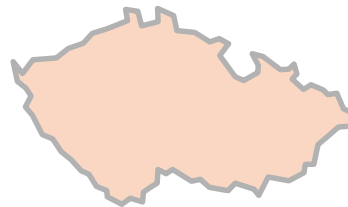
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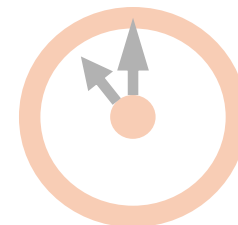
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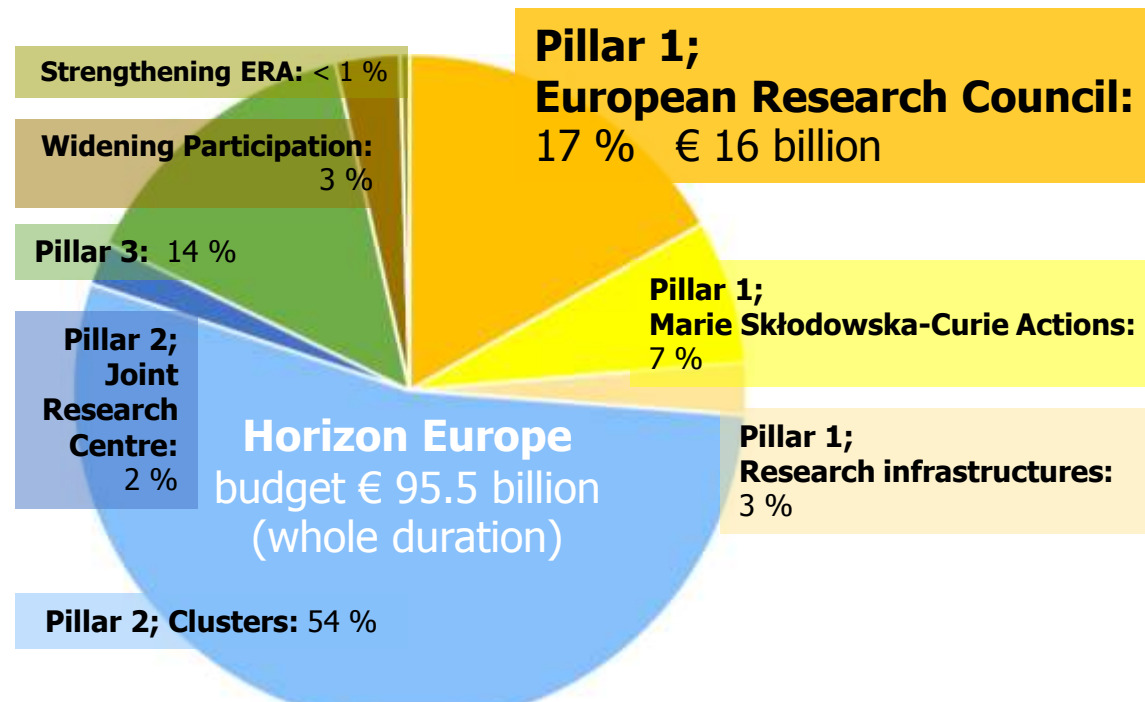
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What is ERC



- **started in 2007** (part Ideas, 7th EU Framework Programme)
- currently part of **Horizon Europe** (9th EU Framework Programme, 2021-2027)
- special position
 - funding strategy: **independent Scientific Council**
 - autonomous **ERC Executive Agency** (all “project officers” have PhD)



- **mission:** Support investigator-driven frontier research across all fields, on the basis of scientific excellence
- excellence of **proposed research** & the **Principal Investigator (PI)**
- “bottom-up” principle – no predetermined priorities
- PI of **any nationality**, host institution **in EU** (or associated to Horizon Europe)
- competition on European scale
- research idea
 - “high-risk, high-gain” – potential of significant breakthrough
 - **not continuation** of previous work (but preliminary results welcome)
- When to apply? When just made your breakthrough paper
- PI gains
 - financial **autonomy**
 - high **flexibility** to manage project
 - visibility – attract top team members & collaborators

ERC official website
<https://erc.europa.eu/>

About ERC on website of Faculty of Science CUNI
<https://www.natur.cuni.cz/eng/project-management-department/funding-opportunities/erc>

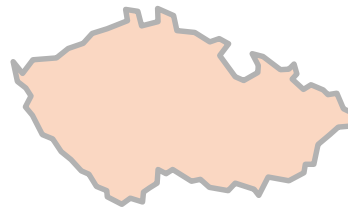
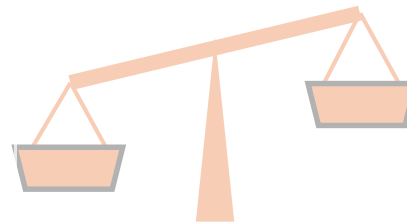
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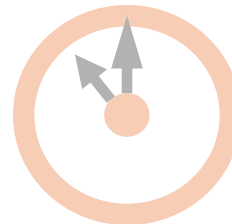
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ERC research grants



ERC Starting Grants

success rate 2020: 13.3%

- 2-7 years after PhD
- up to **€ 1.5 (+1) million** for 5 years
- at least **1 publication** without PhD supervisor
+ e.g. publications as main author, international experience...
- potential for **independence**

ERC Consolidator Grants

success rate 2020: 13.0%

- 7-12 years after PhD
- up to **€ 2 (+1) million** for 5 years
- at least **"several" publications** without PhD supervisor
+ e.g. invited presentations, international collaborations...
- experience as **leader** of a (small) research team

ERC Advanced Grants

success rate 2020: 7.8%

2019: 9.8%

- **established leader** in the field – looking at **last 10 years**
- up to **€ 2.5 (+1) million** for 5 years
- at least **10 publications** as main author
+ e.g. 10 invited presentations, steering committee of 3 conferences...

transition
is
smooth

the
further
from
**your
PhD**

the more
**your
impact
on
other
people
counts**

*How many of your
former students
got an ERC
grant?*

Eligibility window

Starting: 2-7 years after PhD

Consolidator: 7-12 years after PhD

- always counted against **1 January** of the year in title of the call
e.g. ERC Starting 2019: deadline 17 October 2018; reference date 1 January 2019
- extensions of eligibility window
 - **maternity: 18 months** for each child born **before or after PhD**
or documented amount of actual leave taken, if longer
 - paternity: documented amount of actual leave taken
 - long-term illness (of the PI or a close family member)
 - national service
 - clinical training

unofficial ERC eligibility
window calculator
<https://enspire.science/erc-eligibility-window-calculator/>

ERC Work Programme 2021

https://erc.europa.eu/sites/default/files/document/file/ERC_2021_work_programme.pdf

ERC Synergy Grants

success rate 2020: 7.8%

2019: 13.3%

- 2-4 PIs
 - each competitive for Starting/Consolidator/Advanced
 - different fields
 - different countries or same corridor (1 PI can work outside Europe)
- up to **€ 10 (+4) million** for 6 years
- potential for **breakthroughs** impossible if each PI worked alone

ERC Proof of Concept Grants

success rate 2020: 35%

- only for ERC research grant holders
- lump sum **€ 150 thousand** for 18 months
- verify **innovation potential** of a result of the ERC project

ERC Work Programme 2021

https://erc.europa.eu/sites/default/files/document/file/ERC_2021_work_programme.pdf

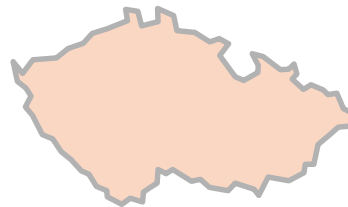
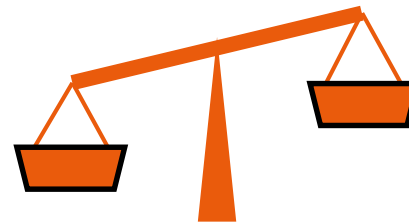
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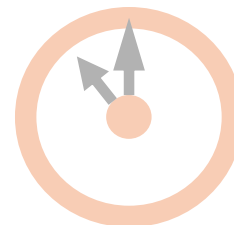
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Physical Sciences & Engineering

- PE1 Mathematics
- PE2 Fundamental Constituents of Matter
- PE3 Condensed Matter Physics
- PE4 Physical and Analytical Chemical Sciences
- PE5 Synthetic Chemistry and Materials
- PE6 Computer Science and Informatics
- PE7 Systems and Communication Engineering
- PE8 Products and Processes Engineering
- PE9 Universe Sciences
- PE10 Earth System Science
- PE11 Materials Engineering **NEW**

Social Sciences & Humanities

- SH1 Individuals, Markets and Organisations
- SH2 Institutions, Governance and Legal Systems
- SH3 The Social World and its Diversity
- SH4 The Human Mind and Its Complexity
- SH5 Cultures and Cultural Production
- SH6 The Study of the Human Past
- SH7 Human Mobility, Environment, and Space **NEW**

Life Sciences

- LS1 Molecules of Life: Biological Mechanisms, Structures and Functions
- LS2 Integrative Biology: From Genes and Genomes to Systems
- LS3 Cellular, Developmental and Regenerative Biology
- LS4 Physiology in Health, Disease and Ageing
- LS5 Neuroscience and Disorders of the Nervous System
- LS6 Immunity, Infection and Immunotherapy
- LS7 Prevention, Diagnosis and Treatment of Human Diseases
- LS8 Environmental Biology, Ecology and Evolution
- LS9 Biotechnology and Biosystems Engineering

Panel structure for ERC calls 2021 and 2022

https://erc.europa.eu/sites/default/files/document/file/ERC_Panel_structure_2021_2022.pdf

- broad in scope
- ca. 14 – 18 members per panel
 - cover the scope of the panel
 - serve as generalists
- panel members alternate
(to be allowed to apply to the ERC calls in alternate years)

Have look at lists of panel members

ERC document library

<https://erc.europa.eu/document-library>

choose "Info for Applicants"

PE10 Earth System Science

Physical geography, geology, geophysics, atmospheric sciences, oceanography, climatology, cryology, ecology, global environmental change, biogeochemical cycles, natural resources management.

LS8

Environmental Biology, Ecology and Evolution

Ecology, biodiversity, environmental change, evolutionary biology, behavioural ecology, microbial ecology, marine biology, ecophysiology, theoretical developments and modelling.

SH7

Human Mobility, Environment, and Space

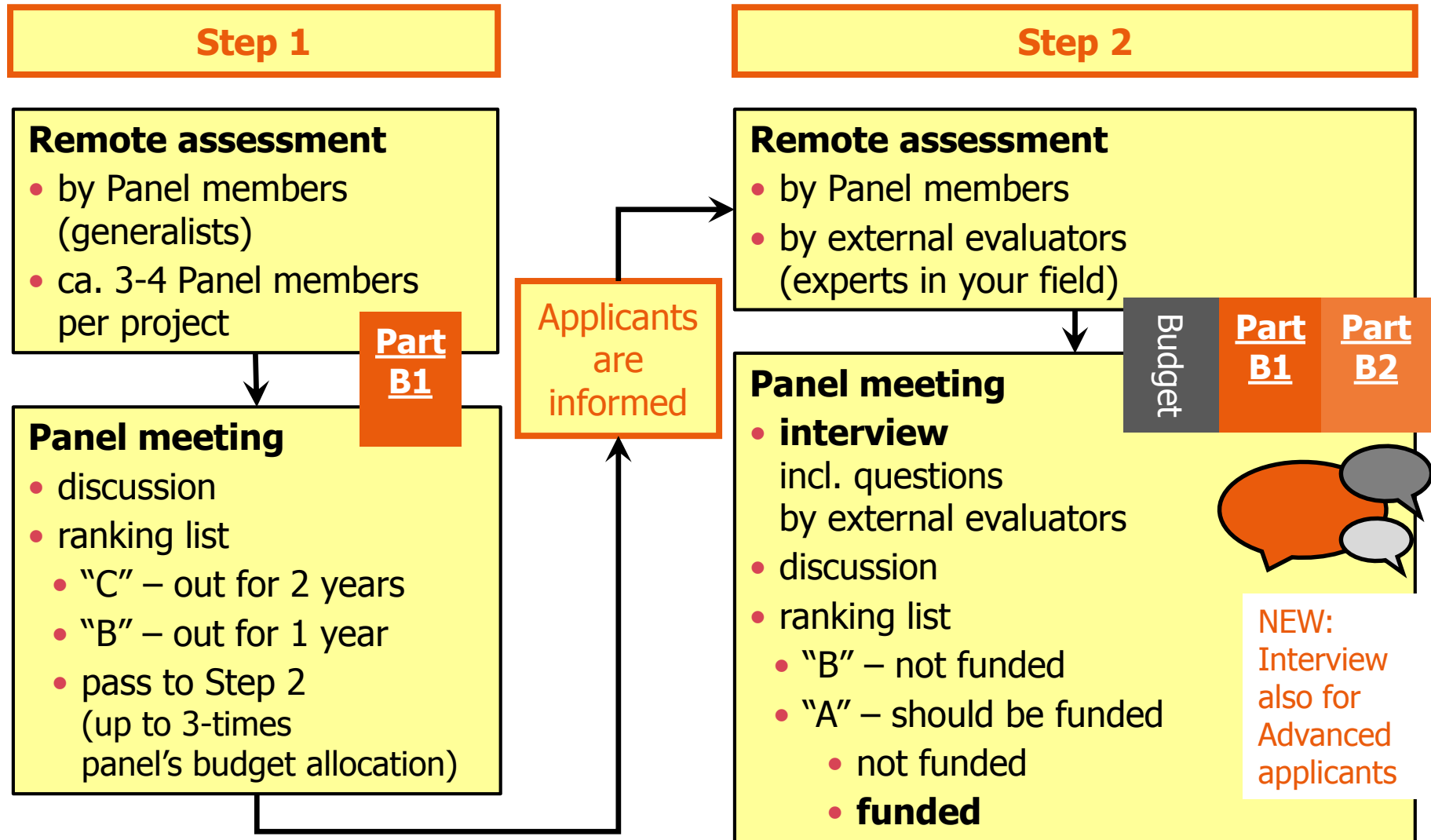
Human geography, demography, health, sustainability science, territorial planning, spatial analysis.

Panel structure for ERC calls 2021 and 2022

https://erc.europa.eu/sites/default/files/document/file/ERC_Panel_structure_2021_2022.pdf

<u>Part A</u> Administrative forms	<u>Part B1</u>	<u>Part B2</u>
Panel	Abstract	
Descriptors	Extended Synopsis (5 pages)	Scientific Proposal (14 pages)
(...)	PI's CV (2 pages)	
Budget +justification	PI's funding ID	
(...)	PI's Track record (2 pages)	

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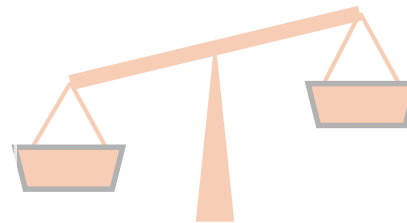
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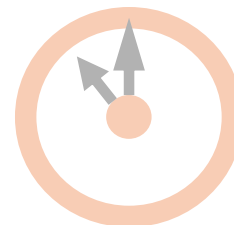
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ERC CZ

- programme by the Czech Ministry of Education, Youth and Sports (MŠMT)
- funds well-evaluated, but not funded, ERC project proposals
- **“A” but not funded:** whole 5 years funded by ERC CZ
- **“B” in Step 2:** 2 years funded by ERC CZ
- both cases: PI must re-apply for ERC in 2 years
(if successful, ERC CZ project terminated in favour of “real” ERC)

ERC CZ

<https://www.msmt.cz/vyzkum-a-vyvoj-2/erc-cz>



ERC Visiting Research Fellowship

- idea by ERC: young national grant holders
– spend time with ERC grantee & prepare their ERC application
- in Czechia: **Podpora ERC žadatelů**
 - Czech Science Foundation (GA ČR) since 2016
 - for successful **Junior grant** holders
 - must apply for ERC afterwards
 - **virtually unusable**

Podpora ERC žadatelů

<https://gacr.cz/wp-content/uploads/2020/03/Pravidla-grantov%C3%BDch-projekt%C5%AF-Podpora-ERC.pdf>



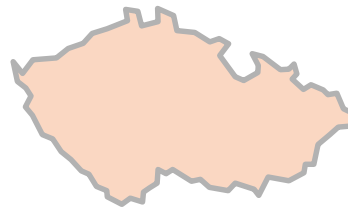
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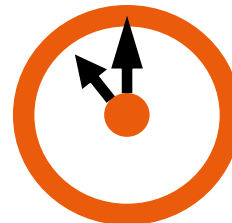
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It's too late to start now.

indicative

wishful
guesswork

Work Programme	2021	2022	2023
Starting	12 April 2021	13 January 2022	October 2022
Consolidator	20 April 2021	17 March 2022	February 2023
Advanced	31 August 2021	28 April 2022	August 2023
Synergy		10 November 2021	November 2022

*Get in touch with us **now**.*

*Not too soon to **start thinking** about your application.
Look at your **CV & Track record**. Competitive? Will it be?*

What to do next?



Interested?

- have a look at the **ERC Work Programme**
 - easy to read, well structured
 - **logic** & rules
 - very consistent over years
- attend the **Czech National Information Day on ERC**
 - usually in September
 - rules by ERC representatives
 - experience of **panel members, evaluators, grantees**

ERC Work Programme 2021

https://erc.europa.eu/sites/default/files/document/file/ERC_2021_work_programme.pdf

Czech National Contact Point

<https://horizontevropa.cz/cs/struktura-programu-he/excelentni-veda/evropska-rada-pro-vyzkum/informace>

Follow news & events

our "Funding opportunities" newsletter

<https://www.natur.cuni.cz/fakulta/oddeleni-projektoveho-rizeni/grantova-agenda/newsletter-gi>

Want to apply?

Let us know as soon as possible!!!

Contact point for ERC applicants

Klára Sobotíková

klara.sobotikova@natur.cuni.cz

See also presentation
**"Support to ERC applicants
at the Faculty of Science"**



1) Student

Zaměstnanec



O fakultě

Uchazeči

Studium

Věda a výzkum

Veřejnost a média

Absolventi

Kontakty



Formuláře



Informační zdroje



Harmonogram (kalendář studia)



Grantová agenda



Informační technologie

Biologie

Chemie

Geografie

Thank you for your attention

Navigace

Informace pro zaměstnance

Události

! FAKULTNÍ POKYNY PRO PODÁVÁNÍ ZÁVĚREČNÝCH ZPRÁV GAUK za rok 2016

Fakultní termín je stanoven na 31.3.2017

1.3.2017

Kariérní den PFF UK 2017

Granty
Otevřené výzvy

Funding opportunities

(internally also in English – click here & switch to English version)

Vyjedte
do zahraničí

News of Foreign Administration

(in Czech, often with links to more information in English)

2)