

European Research Council

An introduction to the ERC Funding for frontier research

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European Research Council Executive Agency



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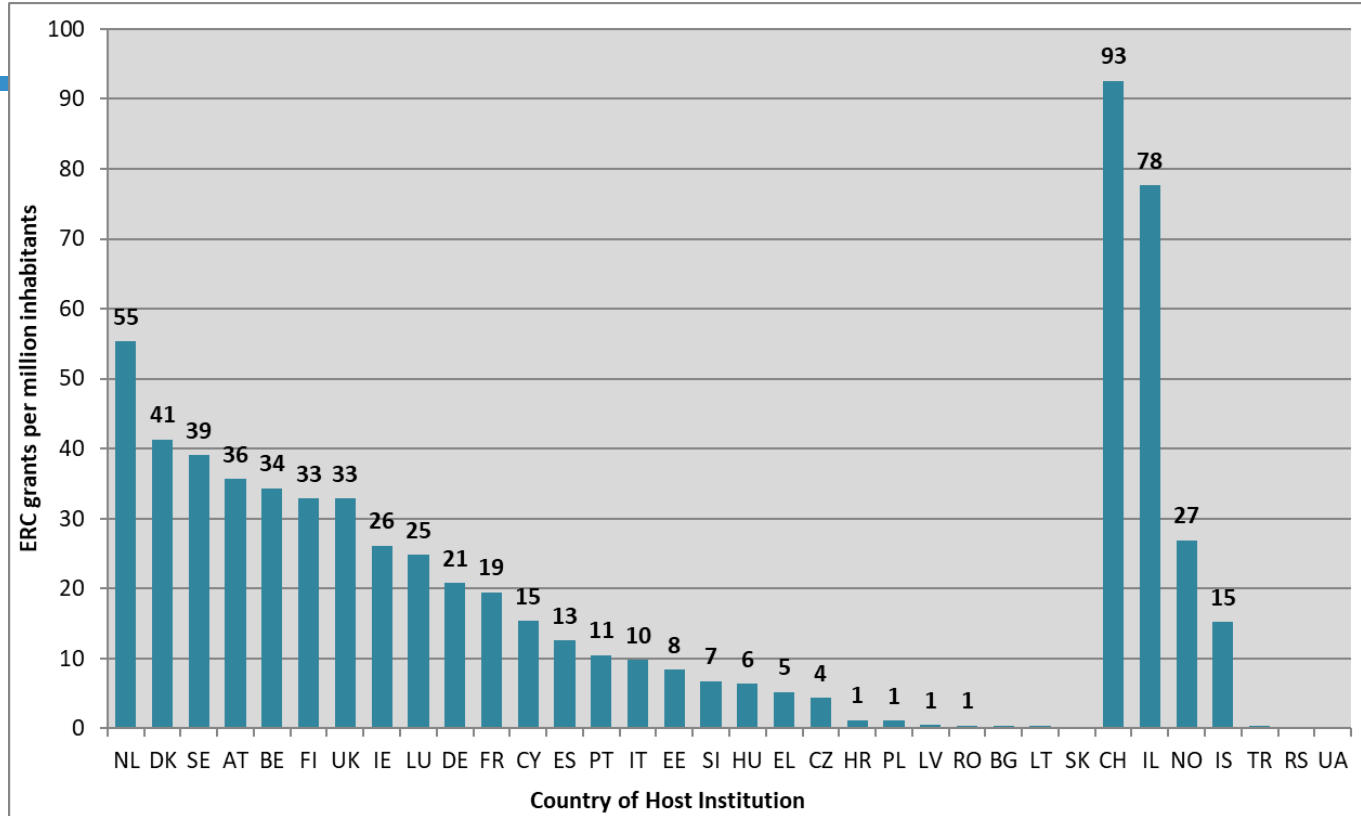
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- **Introduction: ERC in Horizon Europe**
 - Governance, budget and schemes
 - Calendar
 - Panels structure (new)
- **Evaluation process**
 - Myths
 - Tips

ERC grants per capita (per million inhabitants)



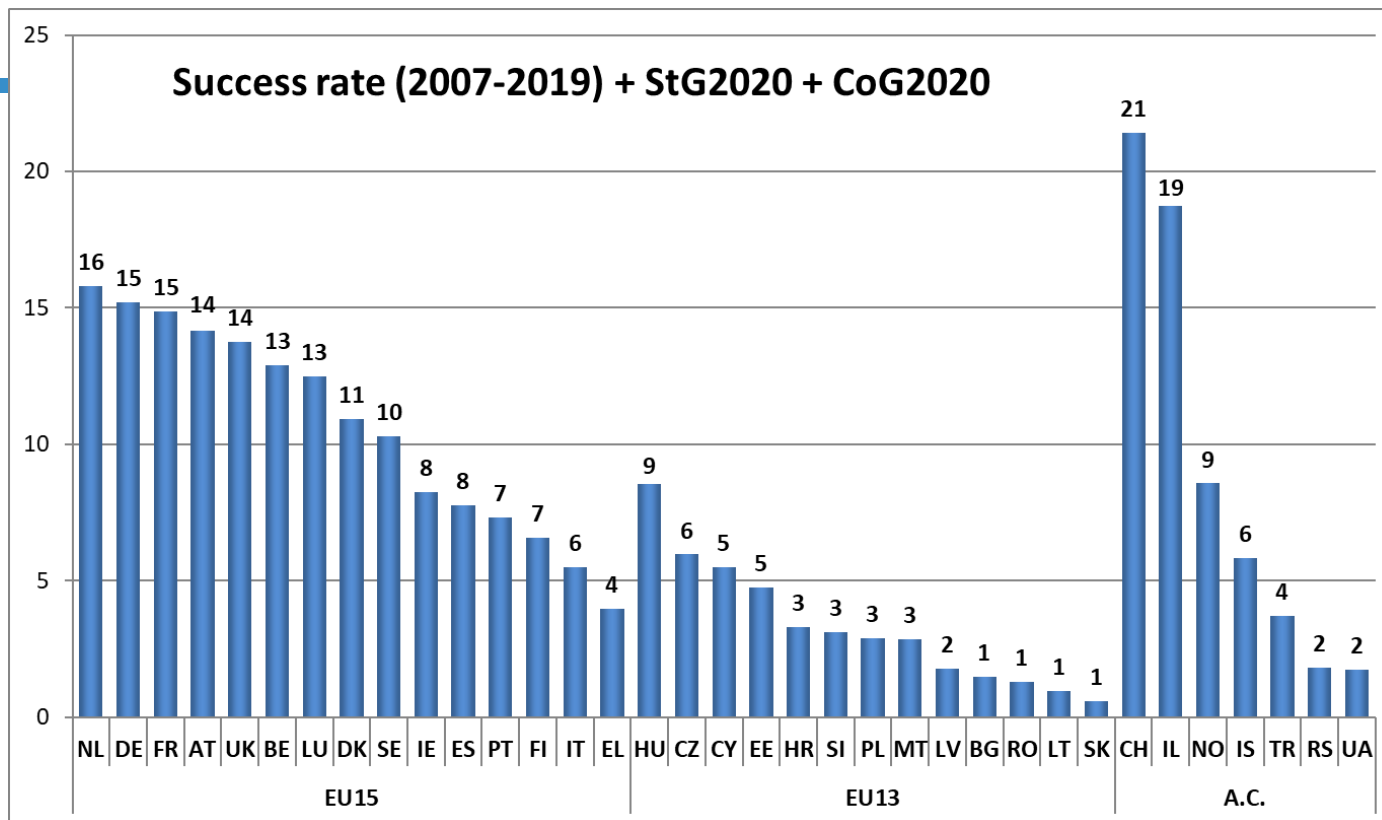
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Overall success rate by country of HI



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Horizon Europe (2021-2027)



Pillar 1 EXCELLENT SCIENCE

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Marie Skłodowska-Curie Actions

Research Infrastructures



Pillar 2 GLOBAL CHALLENGES & EUROPEAN INDUSTRIAL COMPETITIVENESS

Clusters

- Health
- Culture, Creativity and Inclusive Society
- Civil Security for Society
- Digital, Industry and Space
- Climate, Energy and Mobility
- Food, Bioeconomy, Natural Resources, Agriculture and Environment

Joint Research Centre



Pillar 3 INNOVATIVE EUROPE

European Innovation Council

European innovation ecosystems

European Institute
of Innovation and Technology

WIDENING PARTICIPATION AND STRENGTHENING THE EUROPEAN RESEARCH AREA

Widening participation and spreading excellence

Reforming and Enhancing the European R&I system

ERC is....



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The ERC Scientific Council

22 prominent researchers appointed by the Commission

The ERC Executive Agency (ERCEA)

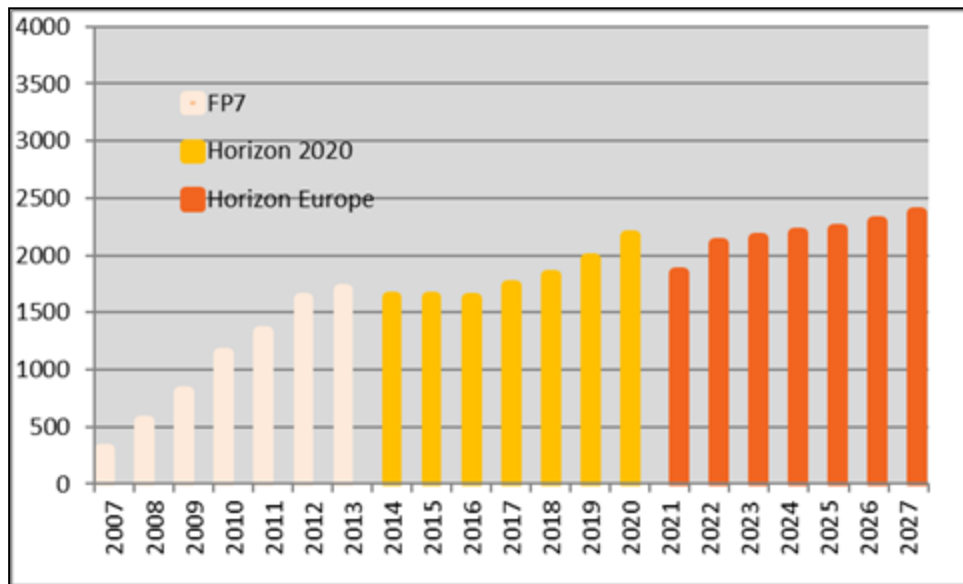
Implements calls for proposals, manages grants

Funding: €16 billion, 17% of Horizon Europe

ERC budget evolution



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**2021-2027
Indicative
Budget**



INDIVIDUAL RESEARCHERS
FROM ALL OVER THE WORLD

LONG TERM GRANTS

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TO HIGH-RISK/HIGH-GAIN PIONEERING PROJECTS
IN ANY FIELD OF FRONTIER RESEARCH



ERC funding schemes



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Starting Grant

Size of the grant: up to €1.5 million + up to €1 million
Duration: up to 5 years
2-7 years of experience since completion of their PhD



Consolidator Grant

Size of the grant: up to €2 million + up to €1 million
Duration: up to 5 years
7-12 years of experience since completion of their PhD



Advanced Grant

Size of the grant: up to €2.5 million + up to €1 million
Duration: up to 5 years
An excellent scientific track record of recognized achievements in the last 10 years

Timetable for 2021 ERC calls and tentative dates for 2022 ERC calls



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	<i>Starting Grant</i>	<i>Consolidator Grant</i>	<i>Advanced Grant</i>	<i>Synergy Grant</i>	
<i>Call identifier</i>	ERC-2022-StG	ERC-2022-CoG	ERC-2022-AdG	ERC-2022-SyG	ERC-2021-AdG
<i>Call opens</i>	23/09/2021	19/10/2021	20/01/2022	15/07/2021	20/05/2021
<i>Call deadline</i>	13/01/2022	17/03/2022	28/04/2022	10/11/2021	31/08/2021

<https://erc.europa.eu/news/calls-2022-tentative-dates>

ERC Panel structure

<https://erc.europa.eu/news/new-erc-panel-structure-2021-and-2022>



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Life Sciences (LS)

- **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

ERC Panel structure

<https://erc.europa.eu/news/new-erc-panel-structure-2021-and-2022>



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Physical Sciences & Engineering (PSE)

- PE1 Mathematics
- PE2 Fundamental Constituents of Matter
- PE3 Condensed Matter Physics
- PE4 Physical & 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)**

ERC Panel structure

<https://erc.europa.eu/news/new-erc-panel-structure-2021-and-2022>



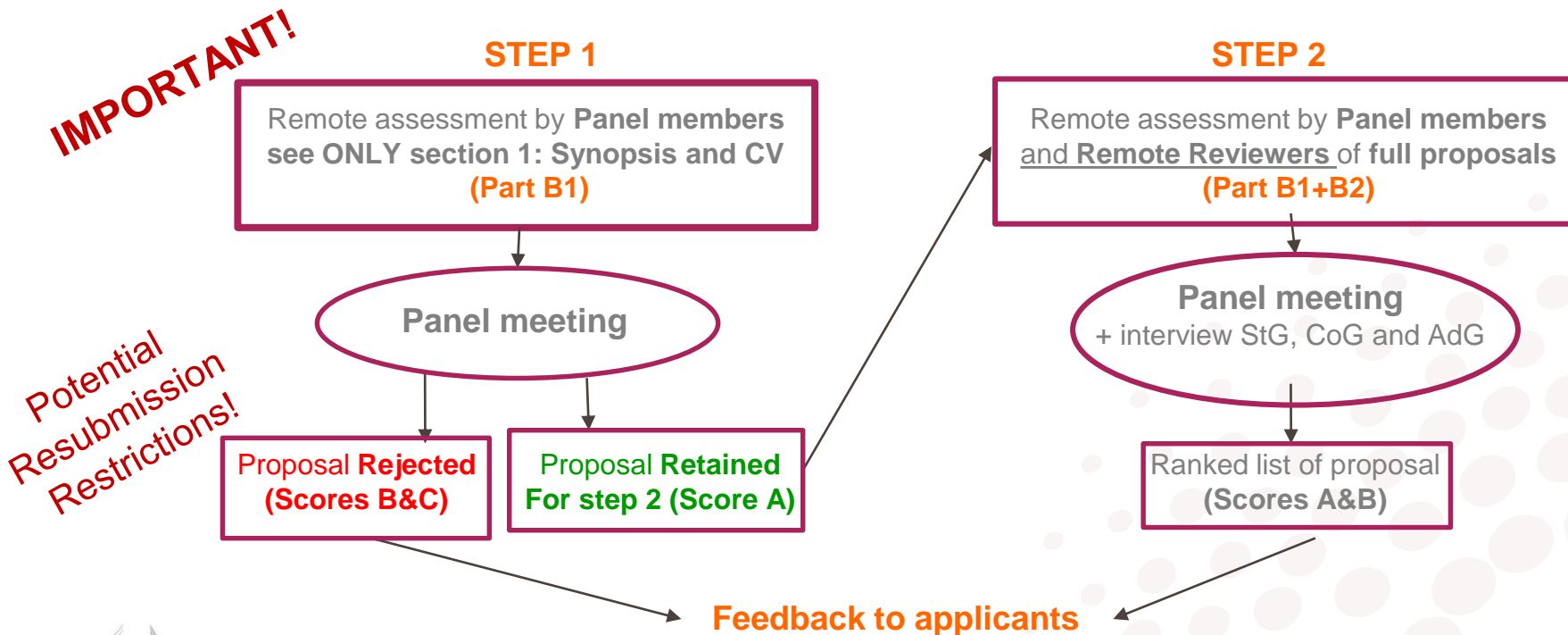
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Social Sciences and Humanities (SSH)

- 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)**

How are the ERC proposal evaluated

For individuals calls: a single submission but a two step evaluation





Excellence

is the sole evaluation criterion

Excellence of the research project

- Ground breaking nature
- Potential impact
- Scientific Approach

Excellence of the Principal Investigator

- Intellectual capacity
- Creativity
- Commitment

Contrary to what you may think



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- ERC funds "frontier research", including applied research.
- The budget is distributed among the scientific panels as a function of demand.
- The success rate is virtually flat across the eligibility window (StG, CoG).
- The panel descriptors do not represent ERC scientific priorities.
- Publication record is not decisive in selection decisions.
- The Host Institution is not an evaluation criterion.



Some contact details



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ERC-2022-COG-APPLICANTS@ec.europa.eu

ERC-2021-ADG-APPLICANTS@ec.europa.eu

Where can you find more information?

Our website: erc.europa.eu

YouTube tutorials:

<https://youtu.be/xbFbzkVWgCU>

National Contact Points (NCP):

<https://erc.europa.eu/funding/national-contact-points>

Funding & Tender Opportunities:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/home>

Our social media channels:

