

The European Research Council

Info dan Sveučilište Rijeka



18/04/2024



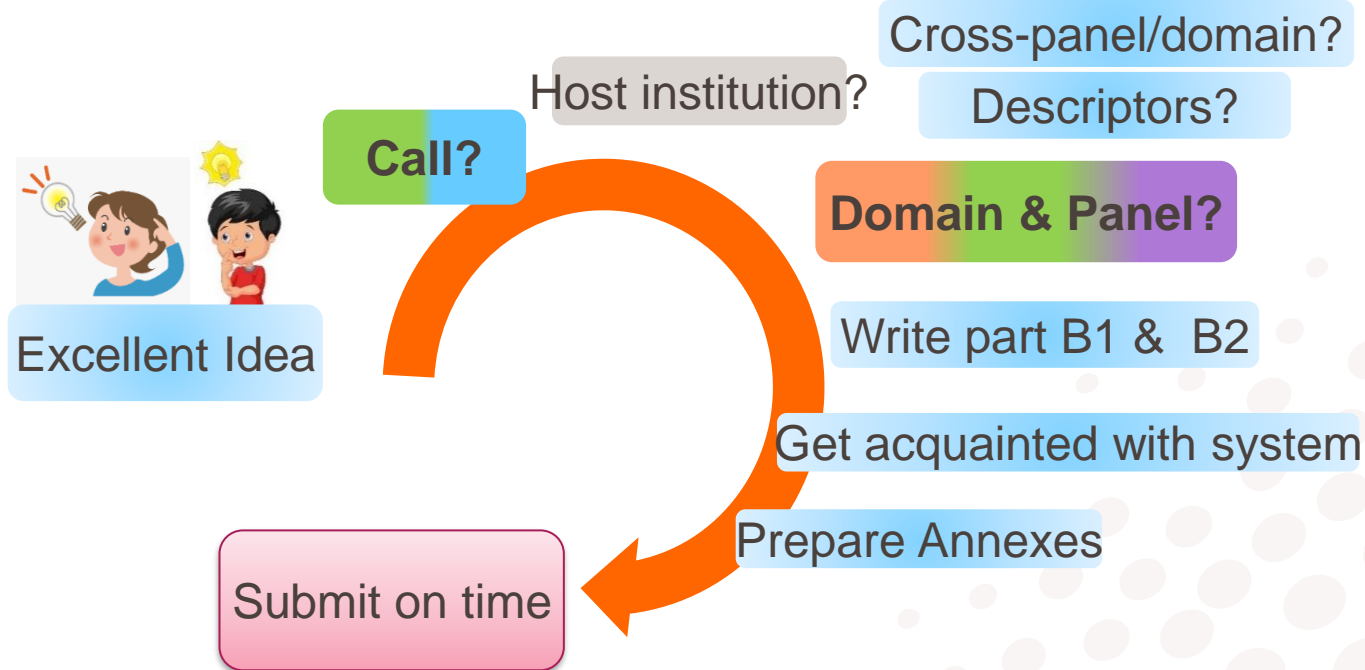
European Research Council

Established by the European Commission

Submitting an ERC proposal



European Research Council
Established by the European Commission



ERC Panel structure



European Research Council
Established by the European Commission

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 Aging
- **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

- 3 Domains / 28 Panels

Social Sciences and Humanities (SH)

- **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
- **SH8** Studies of Cultures and Arts

Physical Sciences & Engineering (PE)

- **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

Panel descriptors – choose wisely



European Research Council
Established by the European Commission

PE6 Computer Science and Informatics

Informatics and information systems, computer science, scientific computing, intelligent systems

- PE6_1 Computer architecture, embedded systems, operating systems
- PE6_2 Distributed systems, parallel computing, sensor networks, cyber-physical systems
- PE6_3 Software engineering, programming languages and systems
- PE6_4 Theoretical computer science, formal methods, automata
- PE6_5 Security, privacy, cryptology, quantum cryptography
- PE6_6 Algorithms and complexity, distributed, parallel and network algorithms, algorithmic game theory
- PE6_7 Artificial intelligence, intelligent systems, natural language processing
- PE6_8 Computer graphics, computer vision, multimedia, computer games
- PE6_9 Human computer interaction and interface, visualisation
- PE6_10 Web and information systems, data management systems, information retrieval and digital libraries, data fusion
- PE6_11 Machine learning, statistical data processing and applications using signal processing (e.g. speech, image, video)
- PE6_12 Scientific computing, simulation and modelling tools
- PE6_13 Bioinformatics, bio-inspired computing, and natural computing
- PE6_14 Quantum computing (formal methods, algorithms and other computer science aspects)

LS6 Immunity, Infection and Immunotherapy

The immune system, related disorders and their mechanisms, biology of infectious agents and infection, biological basis of prevention and treatment of infectious diseases, innovative immunological tools and approaches, including therapies

- LS6_1 Innate immunity
- LS6_2 Adaptive immunity
- LS6_3 Regulation of the immune response
- LS6_4 Immune-related diseases
- LS6_5 Biology of pathogens (e.g. bacteria, viruses, parasites, fungi)
- LS6_6 Infectious diseases
- LS6_7 Mechanisms of infection
- LS6_8 Biological basis of prevention and treatment of infection
- LS6_9 Antimicrobials, antimicrobial resistance
- LS6_10 Vaccine development
- LS6_11 Innovative immunological tools and approaches, including therapies

SH1 Individuals, Markets and Organisations

Economics, finance, management

- SH1_1 Macroeconomics; monetary economics; economic growth, labour economics
- SH1_2 International trade; international business; spatial economics
- SH1_3 Development economics political economics
- SH1_4 Finance; financial markets
- SH1_5 Corporate finance; international finance
- SH1_6 Banking, insurance
- SH1_7 Accounting, asset prices, auditing
- SH1_8 Econometrics, game theory, decision theory
- SH1_9 Behavioural economics; experimental economics; neuro-economics
- SH1_10 Microeconomics, industrial organisation, applied microeconomics
- SH1_11 Innovation, research & development, entrepreneurship
- SH1_12 Management; operations management, international management
- SH1_13 Human resource management; organisational behaviour
- SH1_14 Strategy, operation research
- SH1_15 Marketing, consumer behaviour
- SH1_16 Quantitative economic history, economic systems, institutional economics

- Call – Starting, Consolidator, Advanced (2-7 STG; 7-12 COG; 12+ ADG)
(od datuma obrane doktorata)
- Produženje razdoblja za prijavu (prekidi u karijeri, bolest, vojni rok, porodiljni)
- Dokumenti: diploma, dokazi o produženju
- Host institution – support letter – ustanova koja podržava istraživača i projekt

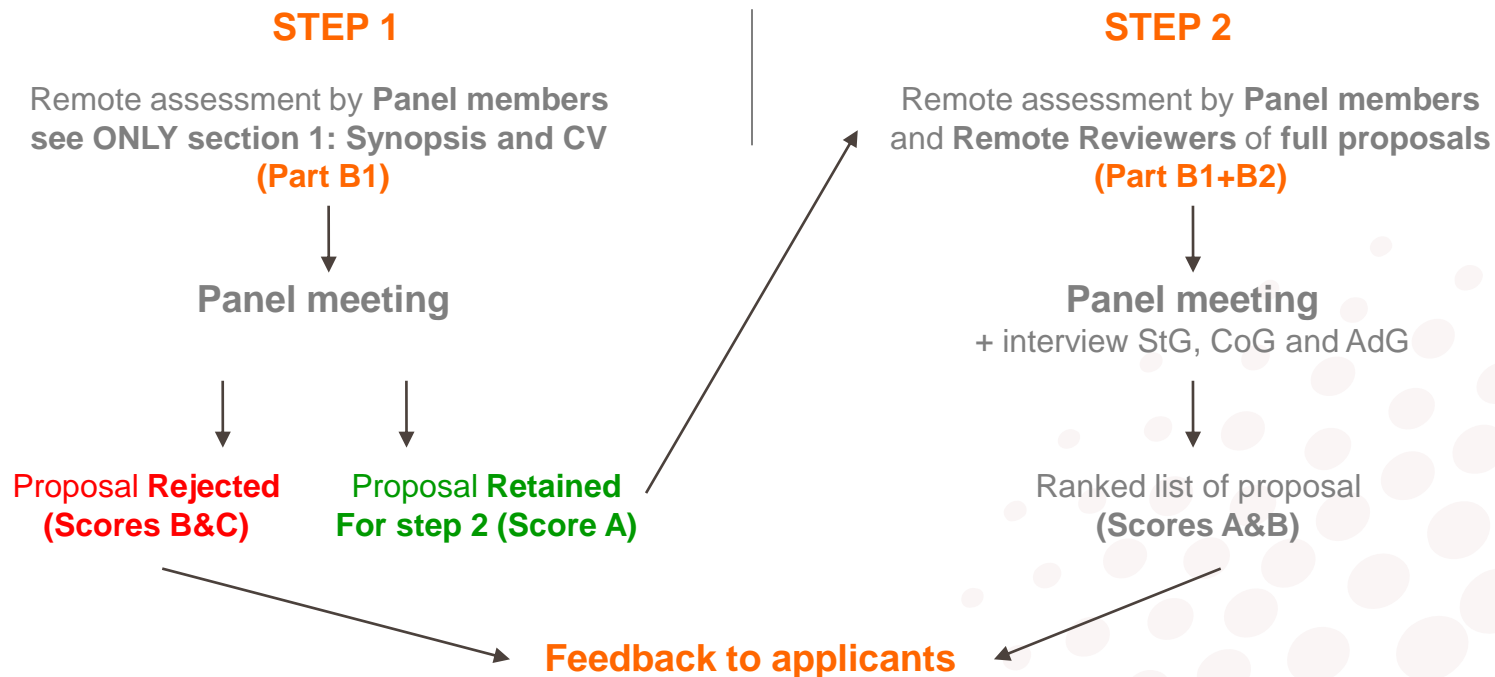
- **Sažetak** (2000 znakova)
 - Prvi dojam projekta
 - Važan za identifikaciju projekta
 - Određivanje panela i evaluatora
 - Određivanje vanjskih evaluatora
 - Javna objava (ako je projekt financiran)
 - Uključiti: ***Osnovna tema i cilj – doprinos postojećem znanju – metoda i očekivani rezultat***
- **Part B1** (5 stranica)
 - Prošireni sažetak (extended synopsis) – opis projekta i važnosti teme
 - Pregled trenutnog stanja u polju istraživanja
 - Inovativnost – doprinos trenutnom stanju – Rizik - Provedivost
 - **Provedivost (feasibility)**: dovoljno podataka o znanstvenom pristupu bez detalja
 - Jasan i koncizan jezik (prilagođen stručnjaku generalistu)
 - Strategija nošenja s rizicima
 - *Glavni cilj: zainteresirati panel da pročitaju i part B2 u drugom krugu*

Detaljan opis projekta

- Bez copy-paste iz part B1 – daljnja razrada
- Detaljan pregled znanstvenog područja (state-of-art)
- Detaljan opis metodologije i plan rada (vremenski)
- Strategije umanjivanja rizika (plan B ako nešto ne ide kako treba)
- Sastav i zadaće tima (studenti, asistenti, kolege – ne nužno imena)
- Troškovi s objašnjenjima (osobni, trošak tima, opreme, istraživanja)

How are the ERC proposal evaluated

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



- Online - minimalno 30 minuta (moguće duže) – obično 5 minuta prezentacija; 20 minuta Q&A
- Odgovori – kratki i jasni – zbog ograničenog vremena
- Ne treba ponavljati napisano u prijavi – objasniti detalje
- U redu je ne znati neke odgovore, ali pokazati da (ni)ste razmišljali o tome ili imate plan kako se nositi s rizicima
- Atmosfera je kolegijalna – intervju je razmjena mišljenja
- Pobrinite se za tehničke detalje – zvuk, svjetlo, pozadina
- Imajte rezervne slideove ako mogu ilustrirati neki odgovor

Some misconceptions

Rumour 1 - NOT true: You can only apply for an ERC grant if you are at the very top of your profession.

✘ Accomplishments are appreciated in relation to your stage/seniority as giving some evidence of your capacity to conduct the research you propose and of creativity within the past 10-12 years of your career.

Rumour 2 - NOT true: To be successful, you need to continue on an established research line, to prove continuity and credibility

✘ Generally, the opposite is true.

Rumour 3 - NOT true: If you have already obtained an ERC grant you are less/more likely to get another one.

✘ Panels look at each proposal on its own merit irrespectively of whether you have or have not obtained an ERC grant in the past. (Of course this does not apply for applications to a Proof of Concept grant.)

Rumour 4 - NOT true: The more socially or medically relevant a grant proposal is, the higher the chances of it getting funded.

✘ ERC funds frontier research, not research that promises to be only an incremental advancement of knowledge. This is irrespectively of the field and whether it has societal, medical or clinical applications.

ERC Classes on YouTube

European Research Council YT Channel



European Research Council
Established by the European Commission

- **Step-by-step to the ERC** (5:19 min)
<https://youtu.be/xbFbzkVWgCU>
- **How to get started with your ERC grant?** (11:37 min)
<https://youtu.be/O7mOFL2tIQ8>
- **How to write part 1 of your ERC proposal?** (14:33 min)
<https://youtu.be/HsmQRM88yyM>
- **How to write part 2 of your ERC proposal?** (8:26 min)
<https://youtu.be/NnDLnabEpxQ>
- **How do we evaluate your ERC proposal?** (11:48 min)
<https://youtu.be/FFhZX00AUV4>
- **How to prepare for your ERC interview?** (9:02 min)
<https://youtu.be/F4qXVGcdH5w>