

Sesión online European Research Council Advanced Grant 2021

Mayo 2021

Laura Mohedano y Estefanía Muñoz NCPs ERC

ERC Grants en España desde 2007

97

HOST INSTITUTIONS

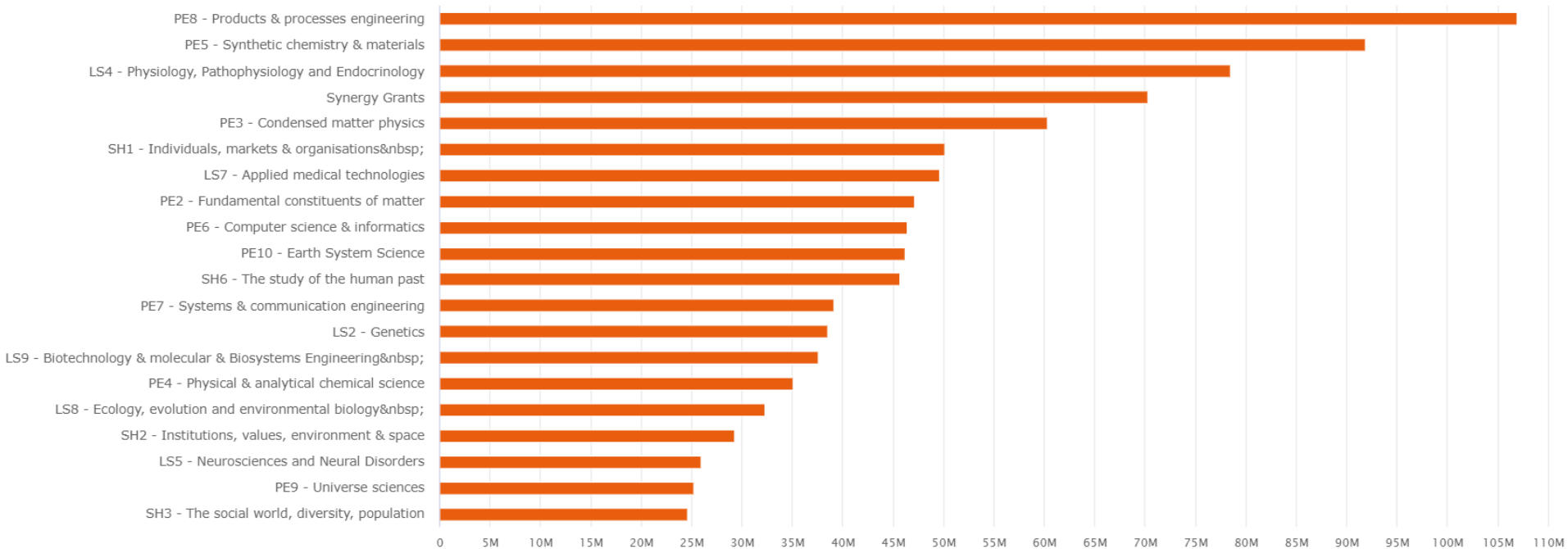
724

PROJECTS

1104M€

BUDGET

BUDGET ALLOCATED PER TOPICS



Fuente: <https://erc.easme-web.eu/> (datos del 07/05/2021)

ERC Grants en España durante H2020 (2014-2020)

478*

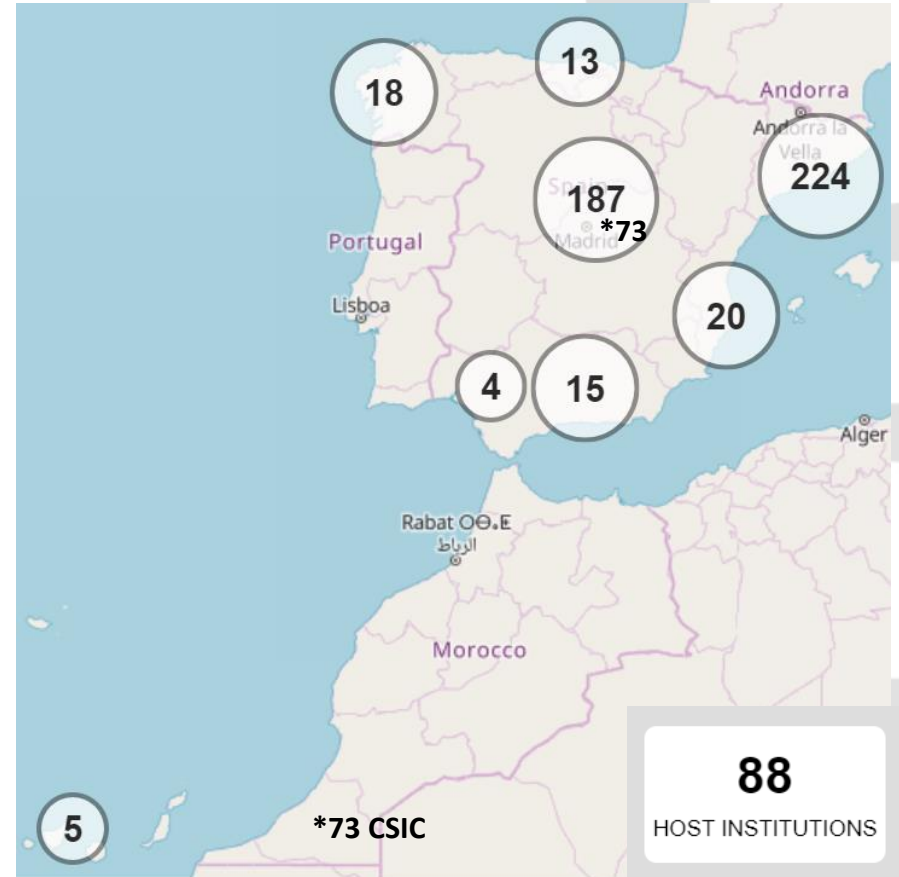
ERC Grants

3350

ERC Team Members

688

Millones de Euros



Fuente: <https://erc.easme-web.eu/> (datos del 07/05/2021)

INDICE

- Características principales ERC
- ADG 2021 Novedades
- Estructura de la propuesta ERC 2021
- Proceso y criterios de evaluación
- Pasos evaluación ética
- Estadísticas, apoyo y enlaces de interés

ERC: CARACTERÍSTICAS GENERALES

ERC: Características Generales

- Abierto a investigadores de todo el mundo
- **Proyectos individuales** de larga duración
- Sin prioridades temáticas
- **Investigación de frontera, “alto riesgo/alto beneficio”** en cualquier campo científico
- Único criterio de evaluación: **excelencia científica** de la propuesta de investigación y del investigador principal
- Evaluación por científicos de alto prestigio internacional
- Ofrece al personal investigador: **Independencia, reconocimiento y visibilidad**



European Research Council
Established by the European Commission

ERC: What is?



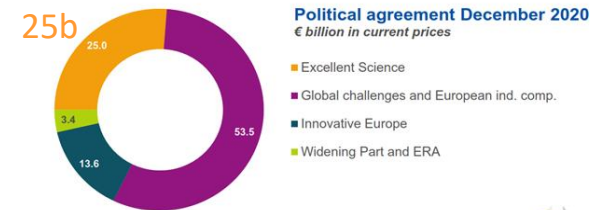
➔ Funding: Horizon Europe budget (2021-2027) Pilar I

EUR 16 billion
ERC budget in Horizon Europe

17%
of the entire
Horizon Europe
budget

Horizon Europe Budget: €95.5 billion (2021-2027)

(including €5.4 billion from NGEU – Next Generation Europe – programme of EU for Recovery from COVID-19 crisis)



➔ The Scientific Council (ScC) <https://erc.europa.eu/about-erc/erc-president-and-scientific-council>



22 prominent researchers appointed by the EU Commission
Scientific Strategy, Quality control of evaluation process,
communication Strategy

➔ The ERC Executive Agency (ERCEA) <https://erc.europa.eu/about-erc/erc-executive-agency-ercea>

Implementation of the calls for proposals, Management of the
Grants

ERC The Scientific Council

The Scientific Council is composed of 22 eminent scientists and scholars.

The members are appointed by the EC, on the recommendations of an independent Identification Committee.

The term of office of the members of the Scientific Council is limited to 4 years, renewable once.



<https://erc.europa.eu/news/Five-distinguished-scientists-to-join-ERC-Scientific-Council>

Life Sciences Physical Sciences and Engineering



ERC Grant Schemes

STARTING GRANTS

Grants up to **1.5€ million** for 5 years

For promising early-career researchers with **2 to 7 years** experience **after PhD**

To develop their career and establish their own team

PI Commitment: >50%

CONSOLIDATOR GRANTS

Grants up to **2€ million** for 5 years

For excellent researchers with **7 to 12 years** experience **after PhD**

To consolidate their research team or programme

PI Commitment: >40%

ADVANCED GRANTS

Grants up to **2.5€ million** for 5 years

For **established research leaders** with a recognised 10 years track record of research achievements

To develop a new and outstanding project

PI Commitment: >30%

SYNERGY GRANTS

Grants up to **10€ million** for 6 years

To address ambitious research questions that can only be answered by the coordinated work of a **small group of 2-4 principal Investigators**

PROOF OF CONCEPT

Lump Sum Grant of **150.000€** for 18 months

For existing ERC grant holders to bring their research **ideas closer to market/society**

- ✓ **Additional funding**
- ✓ **Extensions eligibility window**

Minimum 50% of PI working time in an EU Member State or Associated Country

Calls 2022 tentative dates

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

ERC Profile

STARTING GRANTS

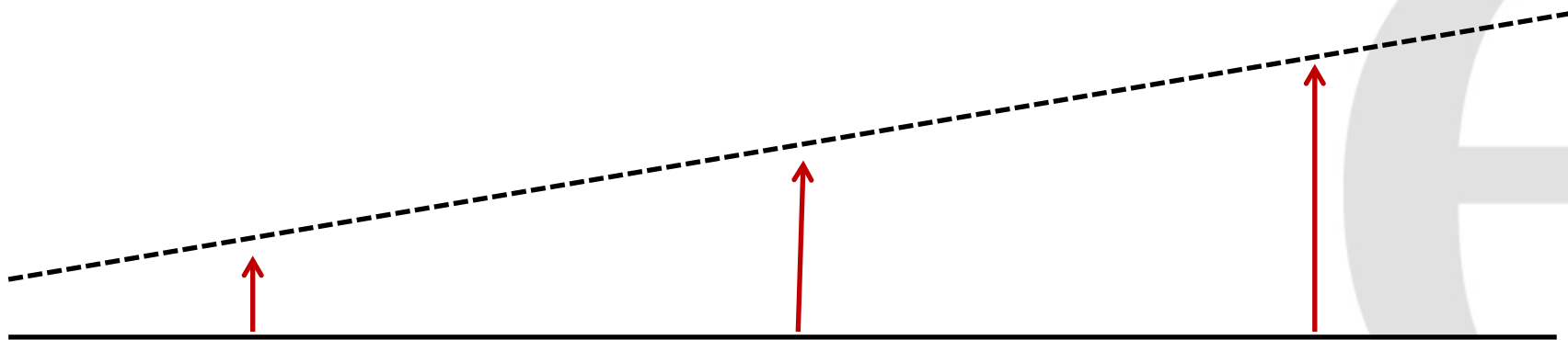
must have already shown the potential for research independence and evidence of maturity, e.g. **at least one important publication** as main author or **without** the participation of their **PhD supervisor**

CONSOLIDATOR GRANTS

must have already shown research independence and evidence of maturity, e.g. by having produced **several important publications as main author or without** the participation of **their PhD supervisor**.

ADVANCED GRANTS

are expected to be **active researchers** and to have a track record of **significant research achievements**



ERC ADVANCED GRANT

ERC Advanced Grant?

Are you an established, leading principal investigator who wants long-term funding to pursue a ground-breaking, high-risk project?

The ERC Advanced Grant could be for you.

ADVANCED GRANT 2021

ERC-2021-ADG

Open: 20-05-2021

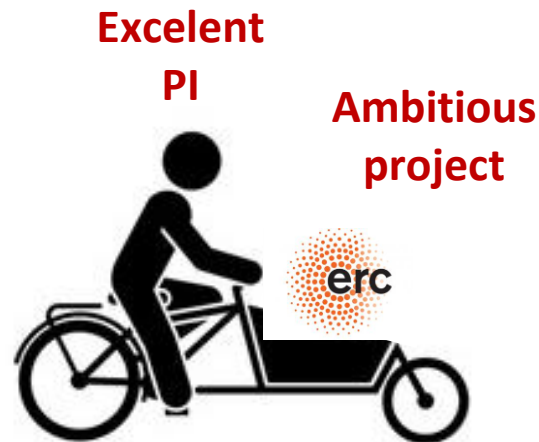
Deadline: 31-08-2021

626 million EUR
(250 grants)

The aim is to promote **substantial advances** in the **frontiers of knowledge**, and to encourage **new productive lines** of enquiry and **new methods and techniques**, including **unconventional approaches** innovative projects, with the aim of a far-reaching impact for the long-term benefit of all.

ERC Advanced Grant Principal Investigator (PI)

- Devote at least 30% of their working time to the ERC-Advanced project
- Spend at least 50% of their working time in EU/AC
- No PhD or seniority experience (years) needed



ERC AdG achievements track record (last 10 Years)

(Record of achievements appropriate to the field and at least matching one or more of the following benchmarks)

Up to 10 representative publications as main author in major international p-r multi-disciplinary scientific journals and/or in the leading international p-r journals and p-r conference proceedings of their respective research fields

Up to 3 major **Research monographs** and any translations thereof

+

5 Granted **patents**

10 Invited presentations to internationally established conferences and/or international advanced schools

3 Research expeditions that the applicant PI has led

- **International recognition** through scientific or artistic **prizes/awards** or membership in well-regarded Academies or **artefact with documented use** (for example, architectural or engineering design, methods or tools);
- **Organisation of international conferences** in the field of the applicant (membership in the steering and/or organising committee)
- **Major contributions to** launching the careers of outstanding Researchers
- **Examples of innovation leadership**

ERC AdG extensions > last 10 Years

Consideration of achievements over a longer period than the past ten years

Circumstances:

- **Maternity:** 18 months extension for each child born before or during the last ten years.
- **Paternity:** elapsed time of paternity leave taken until the call deadline for each child born before or during the last ten years.
- **Long-term illness, clinical qualifications or national service:** amount of leave taken by the Principal Investigator until the call deadline for each incident which occurred during the last ten years.

The Host Institution (HI)



Any type of **legal entity**, private or public (universities, research centres, business,...)

Based in one of the **EU Member States**, or one of the **Associated Countries**.

- ! The PI does not necessarily need to be working at the Host Institution at the time when the proposal is submitted.

The HI is not an evaluation criteria but a **HI commitment letter** is needed with the proposal.

Must **host and engage** the PI for the whole duration of the action

Must **guarantee** the PI **scientific independence**

Must provide research support and administrative assistance (if granted)



Signature of the Grant Agreement

Signature of a Supplementary Agreement with the PI

Project Budget

Up to **2,5 million euros for 5 years** (60 months)

+ **Additional funding** up to **1M€** when these are necessary to carry out the proposed work:

- **"start-up" costs** for PIs moving to the EU or an Associated Country from elsewhere as a consequence of receiving the ERC grant and/or
- the **purchase of major equipment** and/or
- **access to large facilities** and/or
- other **major experimental and field work** costs, **excluding personnel costs.**

All funding requested is assessed during evaluation.

These costs are justified separately in the proposal. There is no definition of “equipment” or “facilities” and all requests will be evaluated by the peer review panel.

Project Budget

Up to **2,5 million euros for 5 years** (60 months)

+ **Additional funding** up to **1M€** when these are necessary to carry out the proposed work

Additional funding: could you give concrete examples for all three main domains what could be financed by this budget?

	LS	PE	SH
(a) "start-up" costs for PI moving to the EU or an AC from elsewhere as a consequence of receiving the ERC grant	<ul style="list-style-type: none"> Costs to purchase the equipment to set up the laboratory of the PI Recruitment costs to hire team 		
(b) the purchase of major equipment	Build a low-turbulence wind tunnel to study flight in controlled conditions	Supercomputer	Mobile scanning station
(c) access to large facilities	Access to vessels to conduct research in oceans	Access to a telescope facility	Access to archives or acquisition of images
(d) other major experimental and field work costs, excluding personnel costs	High amount of consumables to perform experiments	Specific tasks to be subcontracted (building of parts for satellites)	

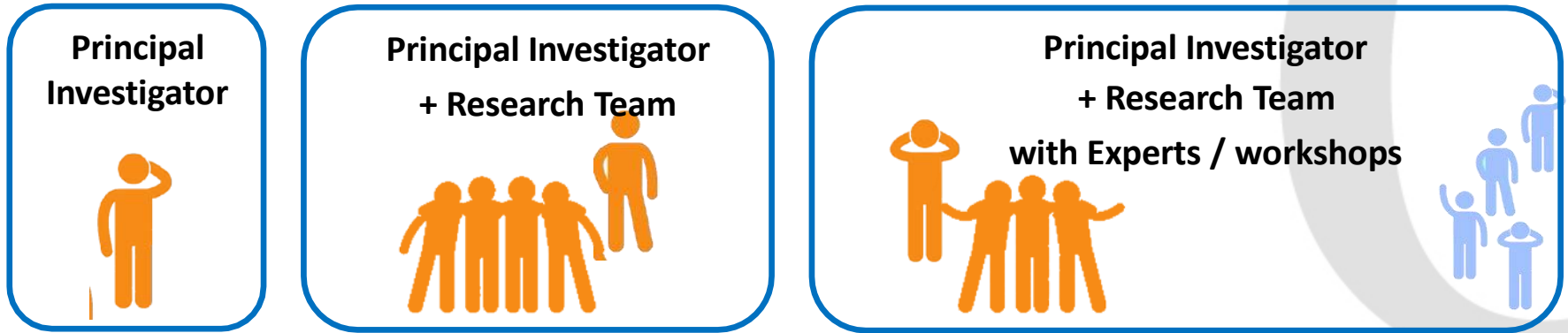
EU contribution and management of the grant

An ERC grant can cover up to **100% of the total eligible direct costs** of the research **plus 25%** contribution towards **indirect costs**.

Direct costs:

- Personnel costs (PI + research team)
 - Equipment (depreciation according HI rules)
 - Consumables
 - Travels, publications,...
-
- **Se aplican las reglas de la Host Institution**
 - **Flexibilidad:** se aceptan modificaciones mediante enmiendas al acuerdo de subvención
 - **Informes** (2) Informes científicos a la mitad y final del proyecto
(4) Financieros cada 18 meses
 - Las ayudas reciben entre 25-40% de pre-financiación
 - Gestión de los fondos por parte del IP
 - Las ayudas son **portables**

The PI + Team Members



El/la PI lidera el proyecto (no hay más PIs que generen consorcio o que sumen para evaluar el perfil individual)

El PI elige a sus **team members**, que participarán en este proyecto ERC.

Team members: personal de investigación de cualquier nivel: PhD students, Postdocs, personal técnico, personal especialista (senior staff), ...

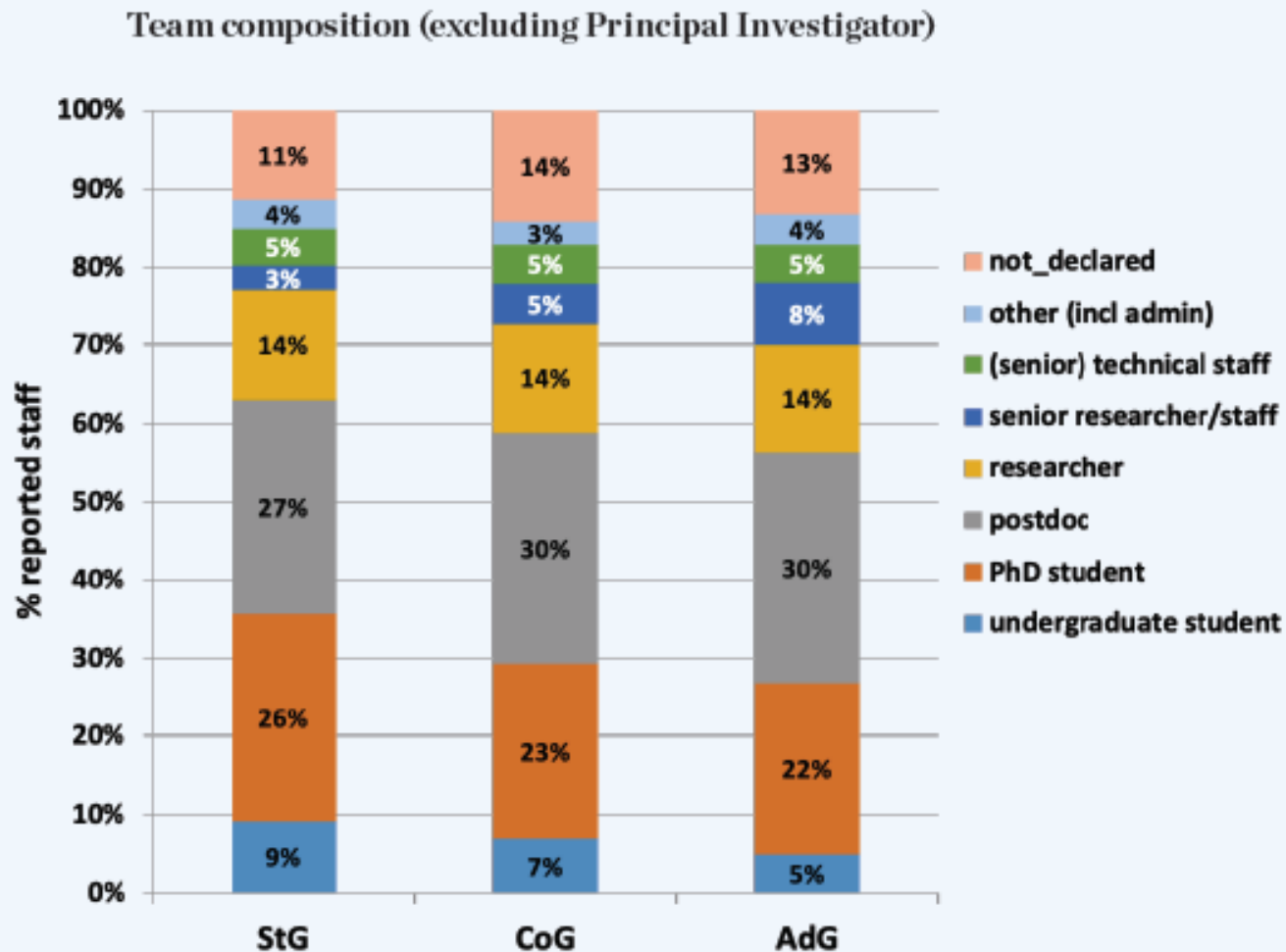
A nivel de propuesta se definen roles necesarios.

A nivel de propuesta, los **team members** deben estar asignados a tareas/objetivos concretos del proyecto. Su participación debe ser necesaria.

Team Composition

Statistics of ERC project teams in Horizon 2020

(1,994 reporting projects; about 12,500 team members)



ERC NOVEDADES WP 2021

ERC Guides 2021 – essential documents



https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/wp-call/2021/wp_horizon-erc-2021_en.pdf



Upcoming:
<https://erc.europa.eu/>

ERC WP 2021 – main novelties

Stability of ERC mission, continuity of rules and procedures

Budget (€1,878b) allocation principles: **budget priority to early career stages**

Calls:

- **StG** and **CoG** organised with delayed schedule
- **Advanced Grants**–normal schedule + **Interviews !!!**
- **Synergy Grant** –NO competition 2021 (Tentative dates: 15-07-2021 / 10-11-2021 for WP 2022)
- **Proof of Concept** – **NO** (Tentative dates: 15-07-2021 /14-10-2021)

Revised panel structure:

- **LS:** revision and adjustment of panel contours
- **PE:** additional panel (**PE11**) + revision
- **SH:** additional panel (**SH7**) + revision

Administrative information:

- GEP, Ethics self-assessment, security table, Data Management Plan..

ERC WP 2021 – main novelties

Review of ERC panel structure

Rationale for revision:

- Modernise to reflect scientific reality better
- Integrate parts of science that were so far only implicitly covered
- Disciplinary coherence within and across panels
- Ensure balanced workload between panels: rebalance panel size for fairness and feasibility of the evaluation process

Primary panel structure:

27 Evaluation Panels

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

ERC Panel Structure 2021/2022

Physical Sciences & Engineering

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

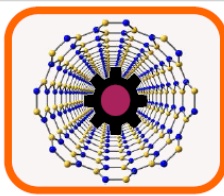
Life Sciences (Revision on the descriptors)

- LS1 Molecules of Life: Biological Mechanisms, Structures and Functions
- LS2 Integrative Biology: from Genes and Genomes to Systems
- LS3 Cellular and Developmental 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

Social Sciences and 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 & Cultural Production
- SH6 The Study of the Human Past
- SH7 Human Mobility, Environment, and Space (New)

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



The ERC PE11 panel

New release for the 2021 calls



Materials Engineering

Advanced materials development: performance enhancement, modelling, large-scale preparation, modification, tailoring, optimisation, novel and combined use of materials, etc.

The material is identified and known:

- Fine tuning (modification, tailoring, optimisation) for a specific purpose
- How to best prepare it to obtain the best end-use properties at larger scale
- Combinations with other materials to improve specific properties

Experimental
and/or
theoretical
research



Between material synthesis and application



Concept, Synthesis,
Properties modification,
Structural investigation

Materials Engineering
Further Design,
Tailoring, Modelling,
Enhancement, etc.

Engineering
(prototypes, devices,
product, processes –
high-range scale-up)

ERC PoC grants
EIC grants

PE3, PE4, PE5

PE11

PE7, PE8

The ERC SH7 panel

- SH7 will cover Human Mobility, Environment and Space
 - e.g. sustainability science, environment, geography, planning (currently SH2)
 - e.g. demography, health (currently SH3)
- SH2 – political science, international relations, law
- SH3 – sociology, social psychology, social anthropology, education sciences, communication studies

ERC 2021 PROPOSAL

ERC 2021 Proposal

One deadline | 2 steps evaluation process

The ERC full proposal = B1 + B2 + PartA

Applicant's surname Part B1 ACRONYM

Section a. Extended Synopsis of the scientific proposal (max. 5 pages, references do not count towards the page limit)

The Extended Synopsis should give a concise presentation of the scientific proposal, with particular attention to the ground-breaking nature of the research project, which will allow evaluation panels to access to Step 1 of the evaluation. The flexibility of the extended synopsis approach. Describe the proposed project in the context of the state of the art of the field. References to literature should also be included. Please use a reference style that is commonly used in your discipline such as American Chemical Society (ACS) style, American Medical Association (AMA) style, Modern Language Association (MLA) style, etc. Guidelines on the references to consult are available at <https://www.erc.es/>

Please respect the following formatting constraints: Times New Roman, Arial or similar, at least 10pt size, 22 margins (2.8 cm side and 2.5 cm top and bottom), single line spacing.

B1
Extended Synopsis
5 pags

Applicant's surname Part B2 ACRONYM

ERC Advanced Grant 2020
Part B2^{*}
(not evaluated in Step 1)

Sections (a) and (b) of Part B2 together with section (c) References present in the online submission form should not exceed 14 pages. Budget table and References do not count towards the page limit.

*Not highlighted in grey should be deleted.
Please respect the following formatting constraints: Times New Roman, Arial or similar, at least 10pt size, 22 margins (2.8 cm side and 2.5 cm top and bottom), single line spacing.*

Section a. State-of-the-art and objectives

Section b. Methodology

Do NOT include any description of raw data or budget table here (Part B2). The References section and the detailed budget table are not part of the online submission (Part A, Section 3 - Budget). This section 2 will be accessed and provided in the paper format.

B2
Scientific proposal
14 pags

^{*} Instructions for completing Part B2 can be found in the "Information for Applicants to the Advanced Grant 2020 Call".

Parte A – Formularios online

- A1 General Information**
- A2 Participants**
- A3 Budget**
table + description (8000c)
- A4 Ethics and security**
- A5 Other questions**
Exclusión hasta 3 evaluadores

Annexes

- HI support letter
- Ethics issues and security
- Eligibility window

Part B1 – documento pdf

- Cover Page and summary
- Extended Synopsis (5pags)
- Curriculum vitae (2pags)
- 10 years track-record (2p)

Part B2 – documento pdf (14pags)

- SoA & objectives
- Methodology

ERC 2021 Proposal – Forms A

Parte A – Formularios online

A1 General Information

A2 Participants

A3 Budget

table + description (8000c)

A4 Ethics and security

A5 Other questions

Exclusión hasta 3 evaluadores

Gender Equality Plan

Does the organization have a Gender Equality Plan (GEP) covering the elements listed below? Yes No

- Minimum areas to be covered and addressed via concrete measures and targets:
 - o work-life balance and organisational culture;
 - o gender balance in leadership and decision-making;
 - o gender equality in recruitment and career progression;
 - o integration of the gender dimension into research and teaching content;
 - o measures against gender-based violence including sexual harassment.

Annexes

- HI support letter
- Ethics issues and security
- Eligibility window

Ethics issues table + Ethics Self-Assessment

- Ethical dimension of the objectives, methodology and likely impact
- Compliance with ethical principles and relevant legislations

Security issues table

ERC PROCESO DE EVALUACIÓN

ERC Evaluation panels

27 panels(11 PE, 9 LS, 7 SH)

Each panel covers a given breath of research topics, further detailed with its descriptors

15–20 subfields/descriptors per panel



When you submit, you need to indicate:

Primary ERC Review Panel : which will in principle evaluate the proposal

Secondary ERC Review Panel: *if applicable*

ERC Keyword 1: must be linked to the Primary Review Panel.

ERC Keyword 2-4: *if applicable, from any panel*

Free keywords: FREE text, they guide (but do not determine) the allocation of proposals to reviewers

How to choose submission panel?

You are presenting a proposal involving (potentially) an important scientific advance

- **In which field?**
- **Which panel is covering that field?**

This is the panel which will have the evaluators best suited to appreciate the work you propose

- **Which descriptor(s) best cover it?**

Note that the panel should correspond to the first descriptor (or vice-versa)

- **Do not** indicate a secondary panel or descriptors for: **an instrument or technique *used*** (and not developed)
- Choose descriptors significant to the **advances** your proposal will bring

ERC Evaluation panels

27 panels(11 PE, 9 LS, 7 SH)

Each panel is composed by **16-18 panel members**.

The panel chair is known during the evaluation however the composition is made public once the results are published.

A panel may not include an expert in your discipline , they are semi-generalists

<https://erc.europa.eu/document-category/evaluation-panels>



[Home](#) » [Info for Applicants](#)

EVALUATION PANELS

Old tid:

382

[PANEL CHAIRS ERC ADVANCED GRANT 2020](#)



European Research Council

Submitted by Paolo.BORGHESI on Thu, 07/05/2020 - 1:39pm

Read time: 0 mins

[ERC PANEL STRUCTURE 2020](#)



European Research Council

Submitted by Paolo.BORGHESI on Wed, 06/05/2020 - 11:23am

Read time: 0 mins

[PANEL MEMBERS ERC PROOF OF CONCEPT 2019](#)



European Research Council

Submitted by Paolo.BORGHESI on Wed, 05/02/2020 - 12:03pm

Read time: 0 mins

[PANEL MEMBERS ERC CONSOLIDATOR GRANT 2019](#)

Submitted by sengaal on Fri, 24/01/2020 - 6:32pm

Read time: 0 mins

[PANEL CHAIRS ERC CONSOLIDATOR GRANT 2020](#)

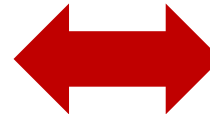
ERC Evaluation panels + Panel Members

LS7 Evaluation Panel (subfields) 2021-2022

LS7 Prevention, Diagnosis and Treatment of Human Diseases

Medical technologies and tools for prevention, diagnosis and treatment of human diseases, therapeutic approaches and interventions, pharmacology, preventative medicine, epidemiology and public health, digital medicine

- LS7_1 Medical imaging for prevention, diagnosis and monitoring of diseases
- LS7_2 Medical technologies and tools (including genetic tools and biomarkers) for prevention, diagnosis, monitoring and treatment of diseases
- LS7_3 Nanomedicine
- LS7_4 Regenerative medicine
- LS7_5 Applied gene, cell and immune therapies
- LS7_6 Other medical therapeutic interventions, including transplantation
- LS7_7 Pharmacology and toxicology
- LS7_8 Effectiveness of interventions, including resistance to therapies
- LS7_9 Public health and epidemiology
- LS7_10 Preventative and prognostic medicine
- LS7_11 Environmental health, occupational medicine
- LS7_12 Health care, including care for the ageing population
- LS7_13 Palliative medicine
- LS7_14 Digital medicine, e-medicine, medical applications of artificial intelligence
- LS7_15 Medical ethics



LS7 Starting Grant Panel Members 2019

Diagnostic Tools, Therapies and Public Health (LS7)

Nico Verdonschot (Panel Chair)

Philip Avner
Janne Tapio Backman
Christine Stabell Benn
Valérie Beral
Jonathan M. Cooper
Natasja M.S. de Groot
Ehud Gazit
Christine Harrison
Merab Kokaia
Andras Lacko
Susana Marcos
Eike Nagel
Giuseppe Palleschi
Jordi Sunyer Deu
Bertrand Tavitian
Catherine Verfaillie

ERC Evaluation panels + Panel Members

LS7 Evaluation Panel (subfields) 2021-2022

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- LS7_6 Other medical therapeutic interventions, including transplantation
- LS7_7 Pharmacology and toxicology
- LS7_8 Effectiveness of interventions, including resistance to therapies
- LS7_9 Public health and epidemiology
- PI ● LS7_10 Preventative and prognostic medicine
- LS7_11 Environmental health, occupational medicine
- LS7_12 Health care, including care for the ageing population
- LS7_13 Palliative medicine
- LS7_14 Digital medicine, e-medicine, medical applications of artificial intelligence
- LS7_15 Medical ethics

LS7 Starting Grant Panel Members 2019

Diagnostic Tools, Therapies and Public Health (LS7)

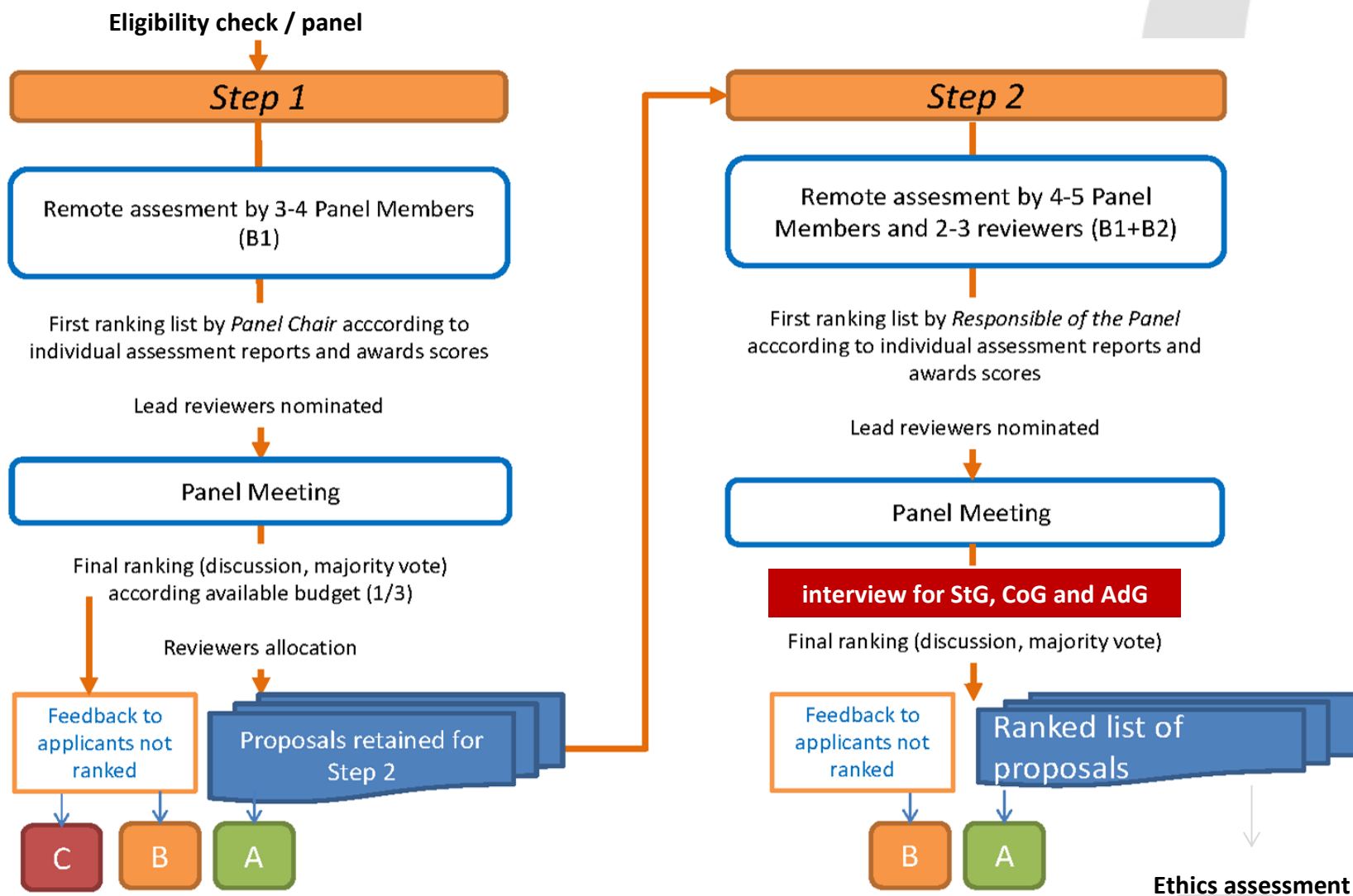
Nico Verdonschot (Panel Chair)

- Philip Avner
- Janne Tapio Backman
- Christine Stabell Benn
- Valérie Beral
- Jonathan M. Cooper
- Natasja M.S. de Groot
- Ehud Gazit
- Christine Harrison
- Merab Kokaia
- Andras Lacko
- Susana Marcos
- Eike Nagel
- Giuseppe Palleschi
- Jordi Sunyer Deu
- Bertrand Tavitian
- Catherine Verfaillie

Lead reviewer

PI ●

ERC Evaluation process AdG 2021



The interview

Presentation (3-10 min.) + Question (15 min) = Total 30min

Panel members: Top Science Experts , but possibly no expert in your field

Reports from Top Science Experts in your field

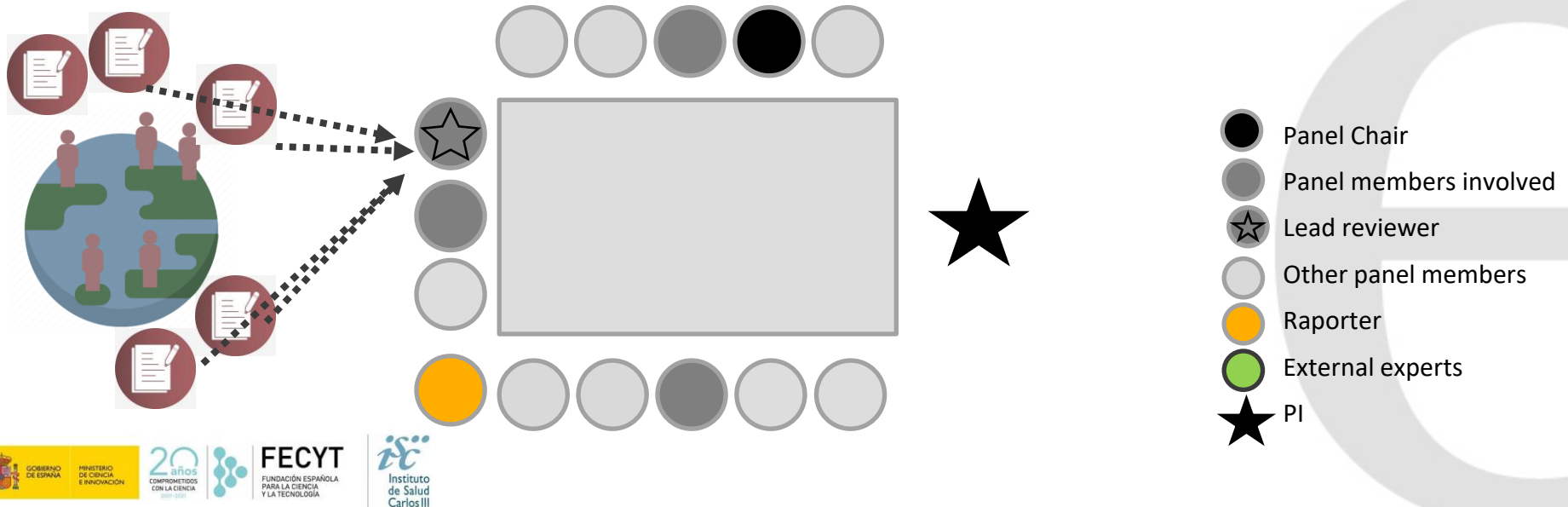
Consensus must be reached

Challenges:

Present your project to general audience

Answer technical questions from experts

Answer broad questions from non-experts



Restrictions on submission of proposals

Step 1 restrictions

Score C: 2 years
Score B: 1 Year

Step 2 NO restrictions

Score B
Score A
Reserve list
Main list

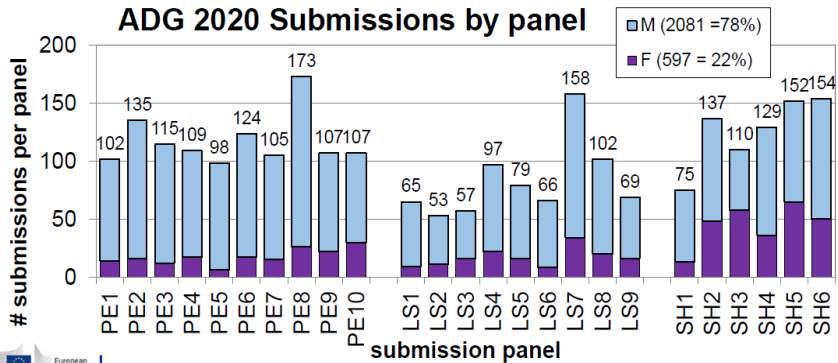
- A “C” score in Step 1 as outcome of AdG 2021 call may prevent you from resubmitting until 2024 calls.
- A “B” score in Step 1 as outcome of AdG2021 call may prevent you from resubmitting until 2023 calls.
- A “C” score in Step 1 as outcome of **SynergyGrant call** may prevent you from resubmitting for the following 2 calls.

+ Restriction related to PIs holding an ongoing grant (except PoC) must end within 2 years after the call deadline

Restricciones orientativas: siempre comprobar el WP

Ranking

ADG 2020: Submissions by panel and PI gender



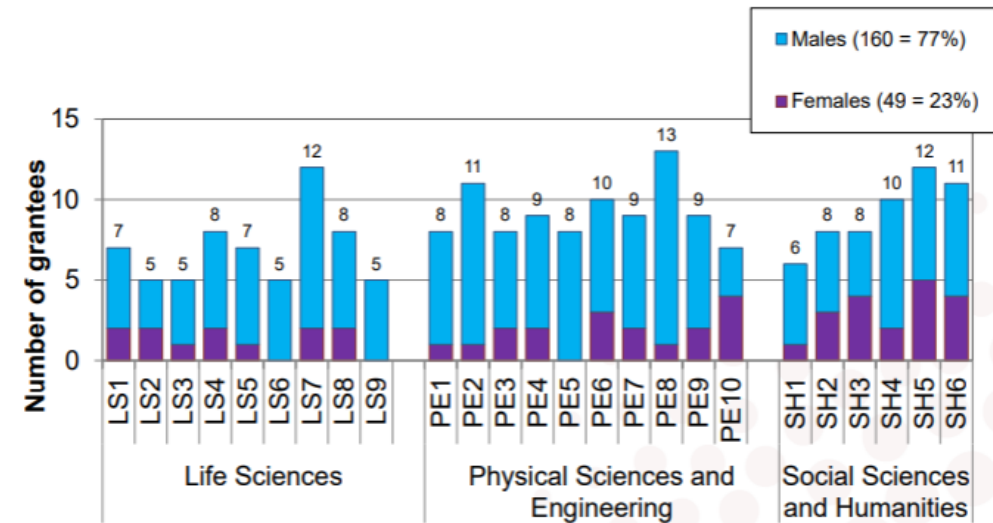
Advanced Grant 2020

Call budget: 492 Million Euro

Final call budget: 507 Million Euro

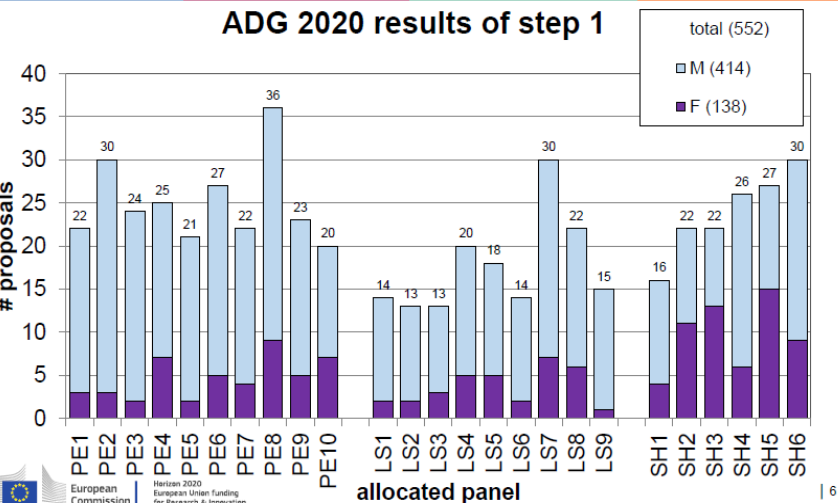
ERC Advanced 2020 Grantees by Panel and Gender

Total 209 grants



ADG 2020 Results of Step 1

By panel and gender



Panel Budget =

$$\frac{\text{Requested EU Contribution (Panel)}}{\text{Requested EU Contribution (Total)}} \times \text{Available Budget}$$

ERC ADG 2021 EVALUATION CRITERIA

Excellence is the sole evaluation criteria

applied to the PI + Research Project

*No industrial impact needed
No need for an EU dimension
Less money same chances*

Evaluation criteria AdG 2021

Excellence is the sole evaluation criteria applied to the PI + Research Project

Principal Investigator - Intellectual capacity and creativity

- demonstrated the ability to conduct ground-breaking research?
- evidence of creative independent thinking?
- required scientific expertise and capacity to successfully execute the project?
- demonstrated sound leadership in the training and advancement of young scientists? **Only for AdG**

Research Project - Ground-breaking nature, ambition and feasibility

Ground-breaking nature and potential impact of the research project (B1+B2)

- does the proposed research address important challenges?
- are the objectives ambitious and beyond the state of the art?
 - are there novel concepts and approaches or development between or across disciplines?
- is the proposed research high risk-high gain?

Scientific Approach

- is the outlined scientific approach feasible....high risk/high gain? (B1)
- are the proposed research methodology and working arrangements appropriate? (B2)
- does the proposal involve the development of novel methodology? (B2)
- are the proposed timescales, resources and PI commitment adequate? (B2)

ETHICS APPRAISAL STEPS

Ethics Appraisal Steps

1

ETHICS SELF-ASSESSMENT

Durante la preparación de la propuesta

Part A : Ethics issue table + annex?

Ethical dimension of the objectives, methodology and likely impact

Explain in detail the identified issues in relation to:

- objectives of the activities (e.g. study of vulnerable populations, etc.)
- methodology (e.g. clinical trials, involvement of children, protection of personal data, etc.)
- the potential impact of the activities (e.g. environmental damage, stigmatisation of particular social groups, political or financial adverse consequences, misuse, etc.)

Compliance with ethical principles and relevant legislations

Describe how the issue(s) identified in the ethics issues table above will be addressed in order to adhere to the ethical principles and what will be done to ensure that the activities are compliant with the EU/national legal and ethical requirements of the country or countries where the tasks are to be carried out. It is reminded that for activities performed in a non-EU countries, they should also be allowed in at least one EU Member State.

Part B: **descripción narrativa** cómo se aborda el problema ético identificado y cómo cumple legislación.

https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/common/guidance/how-to-complete-your-ethics-self-assessment_en.pdf

Ethics Appraisal Steps

1

ETHICS SELF-ASSESSMENT

Durante la preparación de la propuesta

Part A : Ethics issue table + annex

Adjuntar cualquier autorización o permiso recabado para el trabajo propuesto. Se han de incluir copias (no cuentan límite de pág propuesta porque se adjunta como anexos).

Los documentos se deben presentar en un idioma oficial de la UE o el documento original junto con una traducción certificada en inglés o otra lengua oficial de la UE.

• Por ej. **Informe comité ética instituciones participantes, Formulario de consentimiento de voluntarios, Documentos informativos y de consentimiento informado para la Realización de la prueba,..**

Para facilitar el análisis de las cuestiones éticas: proporcionar un resumen en inglés de la documentación que se adjunta cuando estos documentos no estén en inglés.

LOGIN FUNDING SCHEME CREATE DRAFT PARTIES EDIT PROPOSAL SUBMIT

Step 5

Edit Proposal

ERC-2020-ADG

USER NAME
Laura MOHEDANO

TOPIC
ERC-2020-ADG

TYPE OF ACTION
ERC-ADG

ACRONYM
AdG Webinar

DRAFT ID | SEP-210685592

WED 26 DEADLINE (Brussels Local Time)
August 2020 17:00:00

96 days left until closure

Download Part B Templates

Visit our 'How to' user guide

Visit our 'H2020 Online Manual'

Edit Proposals' Forms

In this step you can edit the administrative forms and upload the proposal itself.

WARNING: This proposal contains changes that have not yet been submitted...

Administrative Forms

Edit will open the forms.

[edit forms](#) [view history](#) [print preview](#)

Part B and Annexes

In this section you may upload the technical annex of the proposal (in PDF format only) and any other requested attachments.

Part B1	upload	⊗ ?
Part B2	upload	⊗ ?
Host Support Letter	upload	⊗ ?
Extra annex 1	upload	? → ethical issues annexes
Extra annex 2	upload	? → ethical issues annexes
Extra annex 3	upload	? → ethical issues annexes
Extra annex 4	upload	? → ethical issues annexes
Extra annex 5	upload	? → ethical issues annexes
Extra annex 6	upload	? → ethical issues annexes
Extra annex 7	upload	? → ethical issues annexes
Extra annex 8	upload	? → ethical issues annexes

Ethics Appraisal Steps

2

ETHICS REVIEW

Durante la evaluación

Propuestas recomendadas para financiación (main&reserve lists)

Se verifica que la propuesta cumple con los principios éticos (incluida la integridad de la investigación) y la legislación nacional, de la UE e internacional aplicable. Consiste en:

ETHICS PRE-SCREENING

- Basado en el Ethics Self-assessment
- Enumera los (potenciales) problemas éticos
- Expertos en ética o personal cualificado equivalente

ETHICS SCREENING

- Durante evaluación o justo después
- Evalúa los aspectos éticos de objetivos, metodología e impacto.
- Expertos en ética o personal cualificado equivalente.

ETHICS ASSESSMENT

- Durante evaluación y antes de la firma del GA
- Análisis profundo de aspectos éticos, tomando las conclusiones del Ethics screening (si existe)
- hESCs o intervenciones severas en humanos directamente a este paso.
- *Voting PC+ EC decision*
- Expertos en ética



No grant agreement can be signed by ERCEA prior to a satisfactory conclusion of the ethics review procedure.



Cambios a implementar
Cuestiones éticas aclaradas

Ethics Appraisal Steps

3

ETHICS CHECK & AUDIT

Durante la ejecución de los contratos

Las propuestas que contravengan los principios éticos pueden ser excluidas en cualquier momento.

Ethics deliverables:

Los requerimientos éticos se incluyen automáticamente en el **grant agreement** como deliverables, los llaman '**ethics deliverables**'. Se recogen automáticamente en un work package llamado '**ethics requirements**'.

- Ethics experts

ERC ADVANCED GRANT STATISTICS

ERC Advanced Grant calls in Horizon 2020

ERC calls in Horizon 2020

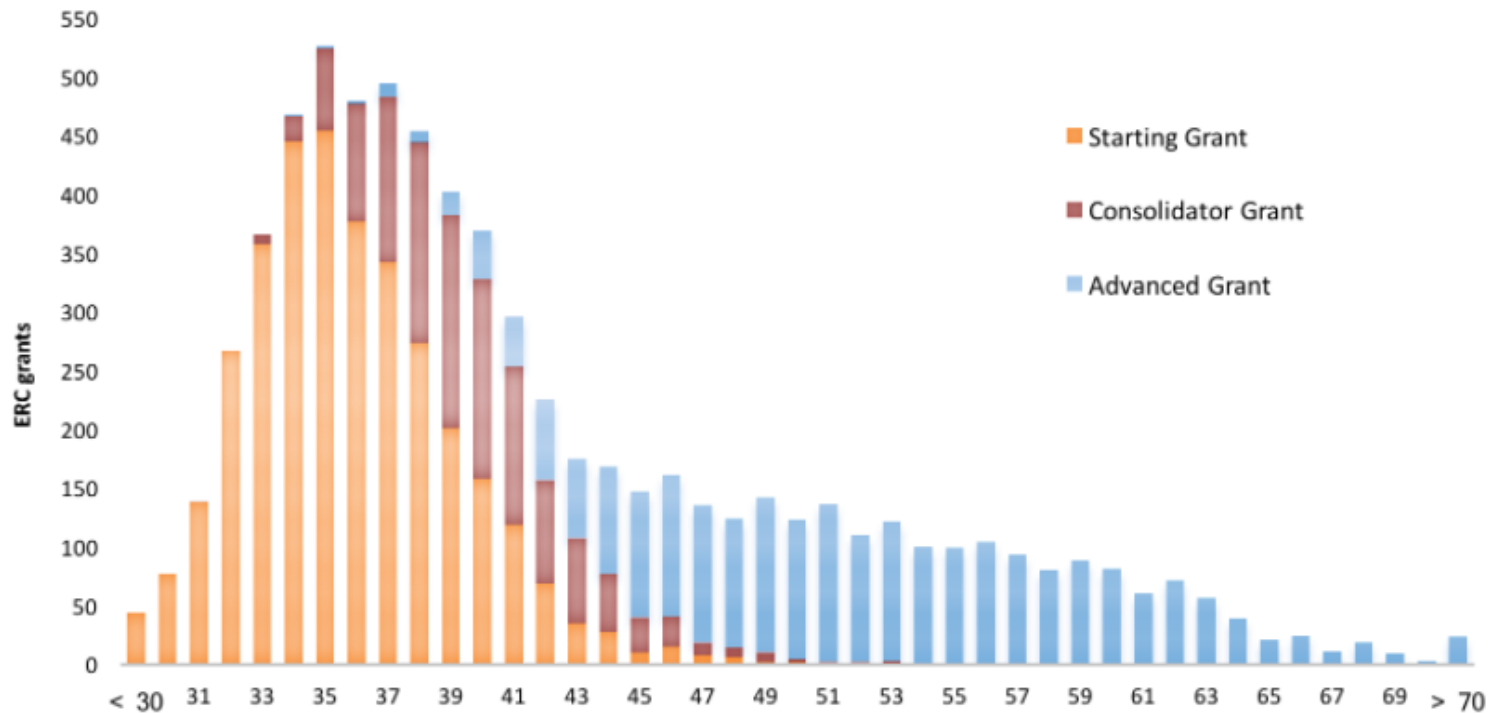
	Total number of applications	Evaluated*	of which Funded	Success rates**
Advanced Grant 2014	2,287	2,250	192	8.5
Advanced Grant 2015	1,953	1,927	277	14.4
Advanced Grant 2016	2,404	2,373	231	9.7
Advanced Grant 2017	2,167	2,137	268	12.5
Advanced Grant 2018	2,052	2,027	222	11.0
Advanced Grant 2019	1,881	1,836	185	10.1
Advanced Grant	12,744	12,550	1,375	11.0

Advanced Grants 2020 received **2,678 proposals**, an increase of 42% compared to the 2019 call. Success rate ~ 8%

- <https://erc.europa.eu/news/applications-erc-advanced-grants-2020-facts-and-figures>
- <https://erc.europa.eu/sites/default/files/document/file/erc-2020-adg-statistics.pdf>

Age of ERC- AdG Grantees

Priority to young scientists: age of ERC grantees at application (ERC calls 2007-2016)



<https://op.europa.eu/webpub/ercea/2017-annual-report/>

SERVICIOS ESTATALES ERC

Servicios estatales ERC

<https://www.horizonteeuropa.es/>

Información detallada sobre los programas del Programa Marco de I+i de la UE 2021-2027: Horizonte Europa



Ciencia Excelente Desafíos mundiales Europa Innovadora Widening+ERA Más Europa

HORIZONTE EUROPA

Programa Marco de Investigación
e Innovación de la UE para 2021-2027

Jornada de Presentación de Horizonte Europa

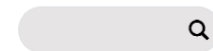
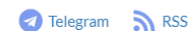
Horizonte Europa: Programa Marco de Investigación e Innovación

¿Qué es?

Servicios estatales ERC

<https://www.horizonteeuropa.es/>

- Eventos
- Noticias
- Documentos de interés
- Enlaces de interés
- Alertas personalizadas Telegram y RSS



Ciencia Excelente Desafíos mundiales Europa Innovadora Widening+ERA Más Europa

El objetivo de esta convocatoria es maximizar el valor de la marcha o recién acabados.

El instrumento proporciona financiación para permitir llevar a cabo investigaciones. La contribución financiera será de hasta 15



Descripción

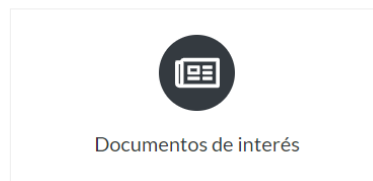
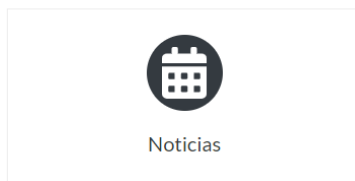
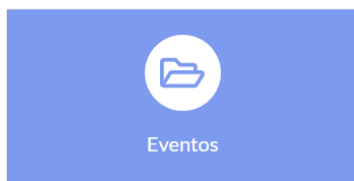
Consejo Europeo de Investigación (ERC)

Acciones Marie Skłodowska-Curie (MSCA)

Infraestructuras de Investigación

que permitan verificar el potencial de innovación de los resultados de investigación de los proyectos ERC en

pa de pre-demostración identificando el potencial de comercialización o social de los resultados de las



Puntos nacionales de contacto

Consejo Europeo de Investigación (ERC)



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Servicios estatales ERC

- **Jornadas informativas**
- **Talleres de preparación propuestas**
- **Revisión propuestas**
 - ¿quién? IPs elegibles ¿cuándo? Aprox. 8 semanas antes del cierre de la convocatoria (StG, CoG y AdG). (6 Julio 2021 - AdG2021)
 - Las personas revisoras son científicos/as expertos/as en el campo de conocimiento, y mayoritariamente beneficiarios/as ERC.
 - FECYT firma acuerdos de confidencialidad y de ausencia de conflicto de interés con estas personas.
 - Propuestas enviadas preferentemente a través de la Oficina de Proyectos de la institución de acogida: revisiones.erc@oficinaeuropea.es
- **Simulacros de entrevistas** para aquellas personas invitadas a la **segunda fase de la evaluación**
- **Asesoramiento técnico fase propuesta y fase contrato**
- **Soporte al tramitar la portabilidad a una institución española**

Servicios estatales ERC año 2020



CONCEPTO	UNIDADES (participantes)
Jornadas informativas	6 (1662)
Talleres preparación propuestas	11 (3105)
Revisión propuestas	163
StG2020	50
CoG2020	61
AdG2020	52
Simulacros de entrevistas	55
	StG2020 no hubo entrevistas
	CoG2020 49
	SyG2020 6
Consultas atendidas	2220
Reuniones con participantes	29
Relación con el ERC	1 Comité Shadow Programa ERC 1 Comité de Programa ERC 6 reuniones de NCPs 1 H2020 Grant Management remote training for Spanish His
Resultados	75 proyectos (140,2M€)
	StG2020 23 proyectos (€33,5M)
	CoG2020 22 proyectos (€44M)
	AdG2020 11 proyectos (€26,5M€)
	SyG2020 7 proyectos, 11 PIs (€34,4M)
	PoC2020 12 proyectos (€1,8M€)

ENLACES DE INTERÉS

Algunos enlaces de interés

How to complete your ethics self-assessment: https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/common/guidance/how-to-complete-your-ethics-self-assessment_en.pdf

Open Research Data and Data Management Plans

- https://erc.europa.eu/sites/default/files/document/file/ERC_info_document-Open_Research_Data_and_Data_Management_Plans.pdf
- <https://erc.europa.eu/thematic-working-groups/working-group-open-access>
- https://ec.europa.eu/research/participants/docs/h2020-funding-guide/cross-cutting-issues/open-access-dissemination_en.htm

General Model Grant Agreement Horizon Europe (HORIZON)

- https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/common/agr-contr/general-mga_horizon-euratom_en.pdf

Videos ERC Classes

Videos

series of videos – [ERC Classes](#) – for potential applicants:

Step-by-step to the ERC application process (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>

1		Step by Step to the ERC application process European Research Council
2		How to get started with your ERC proposal European Research Council
3		How to write part 1 of your ERC proposal European Research Council
4		How to write part 2 of your ERC proposal European Research Council
5		How do we evaluate your ERC proposal European Research Council

MUCHAS GRACIAS