

# **Webinar I : preparación de propuestas Advanced Grant 2022**

**8 Febrero 2022**

**Laura Mohedano y Estefanía Muñoz NCPs ERC**



# WEBINAR ADG 2022

- Los participantes están silenciados.
- Las preguntas se formulan por: [www.menti.com](https://www.menti.com) code **6786 5480**
- Las presentaciones se colgarán en:  
<https://www.horizonteeuropa.es/webinar-i-y-ii-preparacion-de-propuestas-advanced-grant-2022>
- El seminario se está grabando y quedará accesible hasta el cierre de la convocatorias a través del link de inscripción.
- Después de terminar, la plataforma GoToWebinar lanzará una encuesta de satisfacción.

## Webinar II: Advanced Grant 2022 - 15 Febrero - 10-12h

Inscripción: <https://attendee.gotowebinar.com/register/2541072947390265870>

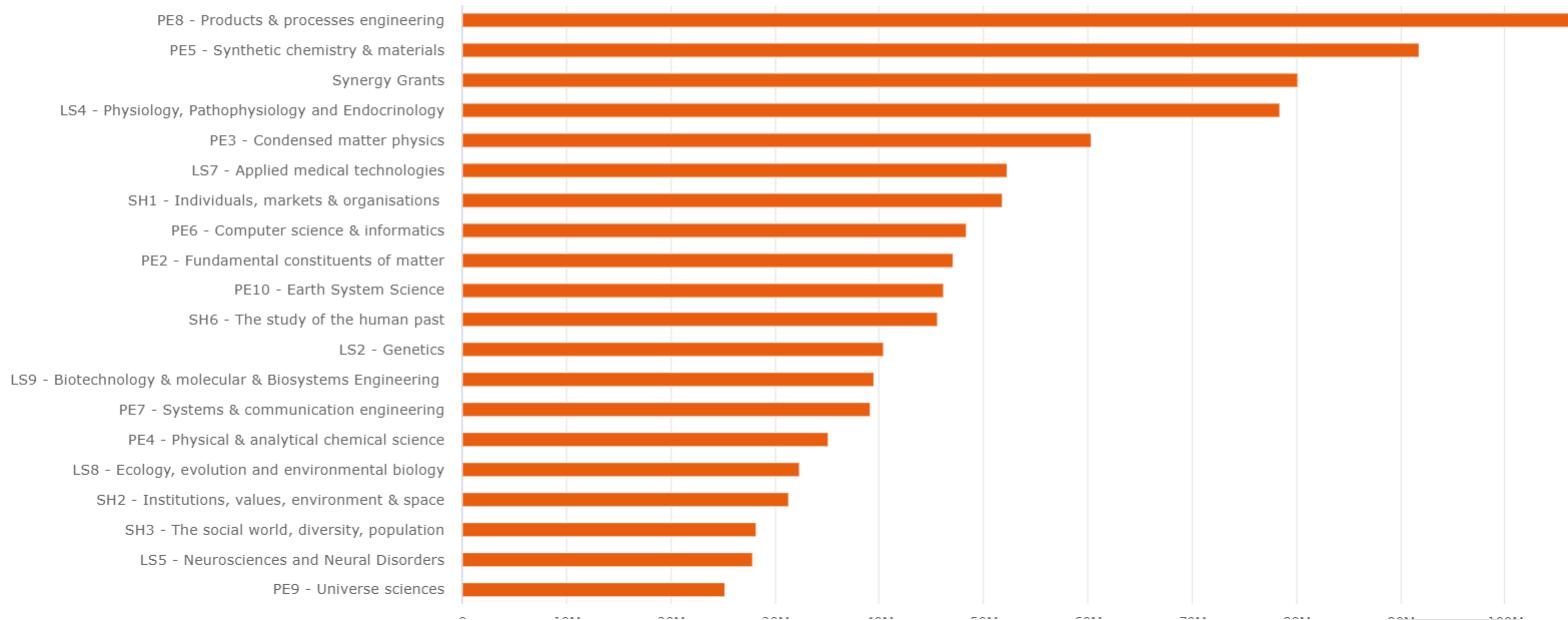


*Uso de las siglas PI (Principal Investigator) y el lenguaje inclusivo  
Diapos en inglés con algo de castellano*

# ERC Grants en España desde 2007

97 HOST INSTITUTIONS    1 COUNTRIES    734 PROJECTS    1132M€ BUDGET

BUDGET ALLOCATED PER TOPICS



Fuente: <https://erc.easme-web.eu/> (datos del 07/02/2022)

# ERC Grants en España durante H2020 (2014-2020)

**488**

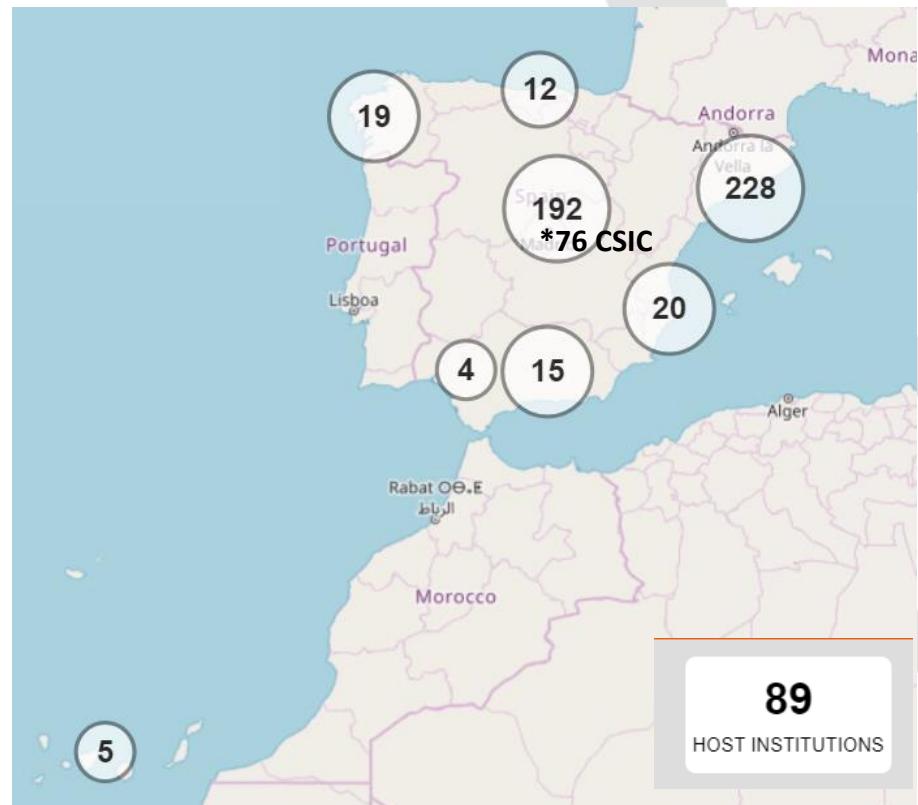
ERC Grants

**3420**

ERC Team Members

**717**

Millones de Euros



Fuente: <https://erc.easme-web.eu/> (datos del 07/02/2022)

# INDICE

- Características principales ERC
- ADG 2022 Novedades
- Estructura de la propuesta ERC 2022
- 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

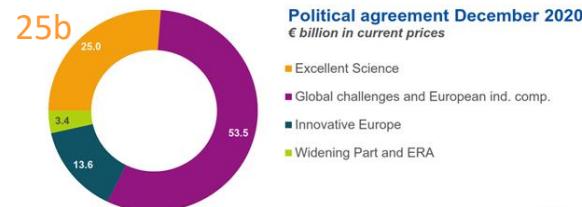
# ERC: What is?

## → 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>

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

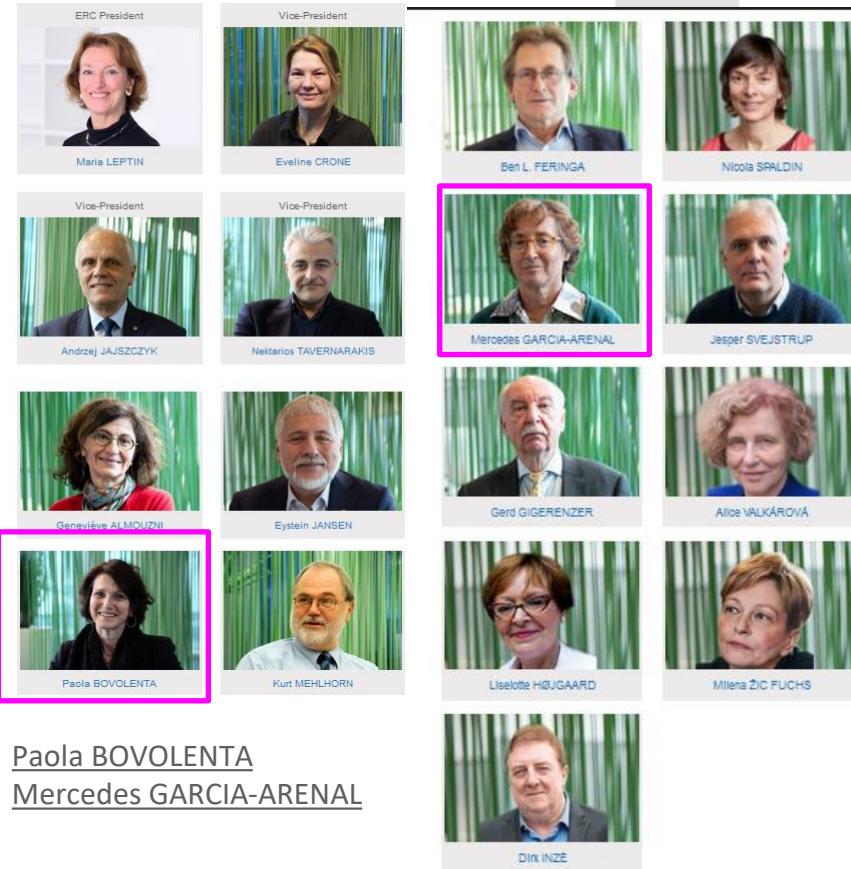
Maria Leptin is the President of the ERC since 1 November 2021.

Professor Leptin, was Director of EMBO (the European Molecular Biology Organization),

The Scientific Council is composed of 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.



Paola BOVOLENTA  
Mercedes GARCIA-ARENAL

# 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**

Timeframe Advanced Grant 2022

# ERC Profile

## STARTING GRANTS

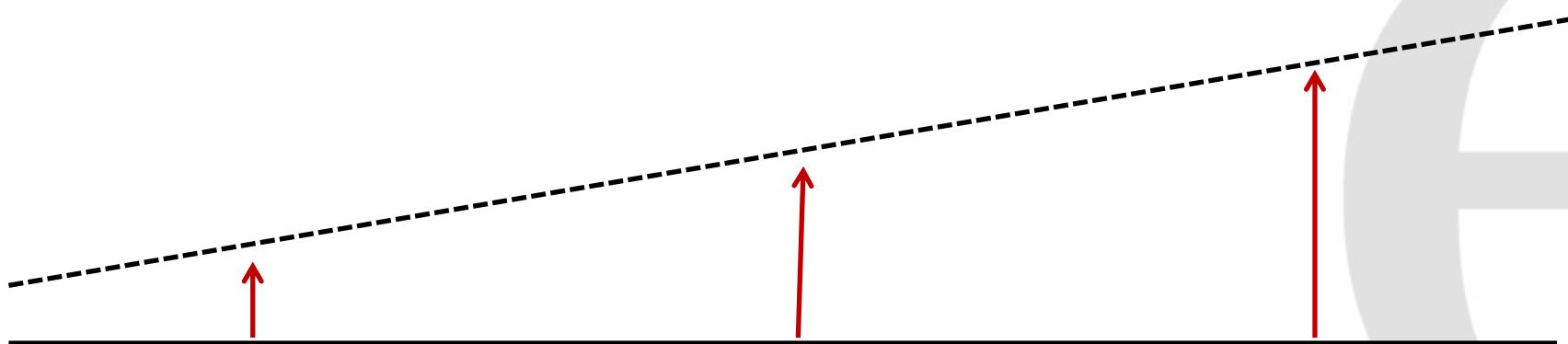
must have already shown the potential for research independence and evidence of maturity, e.g. **at least one important publication** as main author or **without the participation of their PhD supervisor**

## 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.

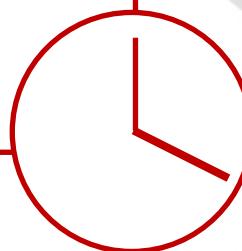
## ADVANCED GRANT 2022

ERC-2022-ADG

Open: **20-01-2022**

Deadline: **28-04-2022**

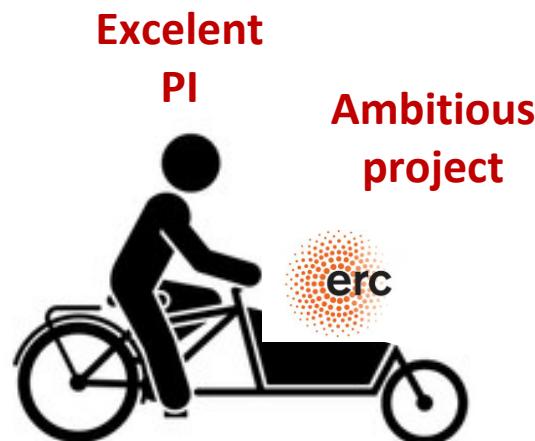
555 million EUR  
(223 grants)



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 multidisciplinary 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"><li>Costs to purchase the equipment to set up the laboratory of the PI</li><li>Recruitment costs to hire team</li><li><del>Travel costs of the PI to come to EU</del></li></ul>		
(b) the purchase of major equipment	Build a low-turbulence wind tunel 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

Principal Investigator



Principal Investigator  
+ Research Team



Principal Investigator  
+ Research Team  
with Experts / workshops



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), ...

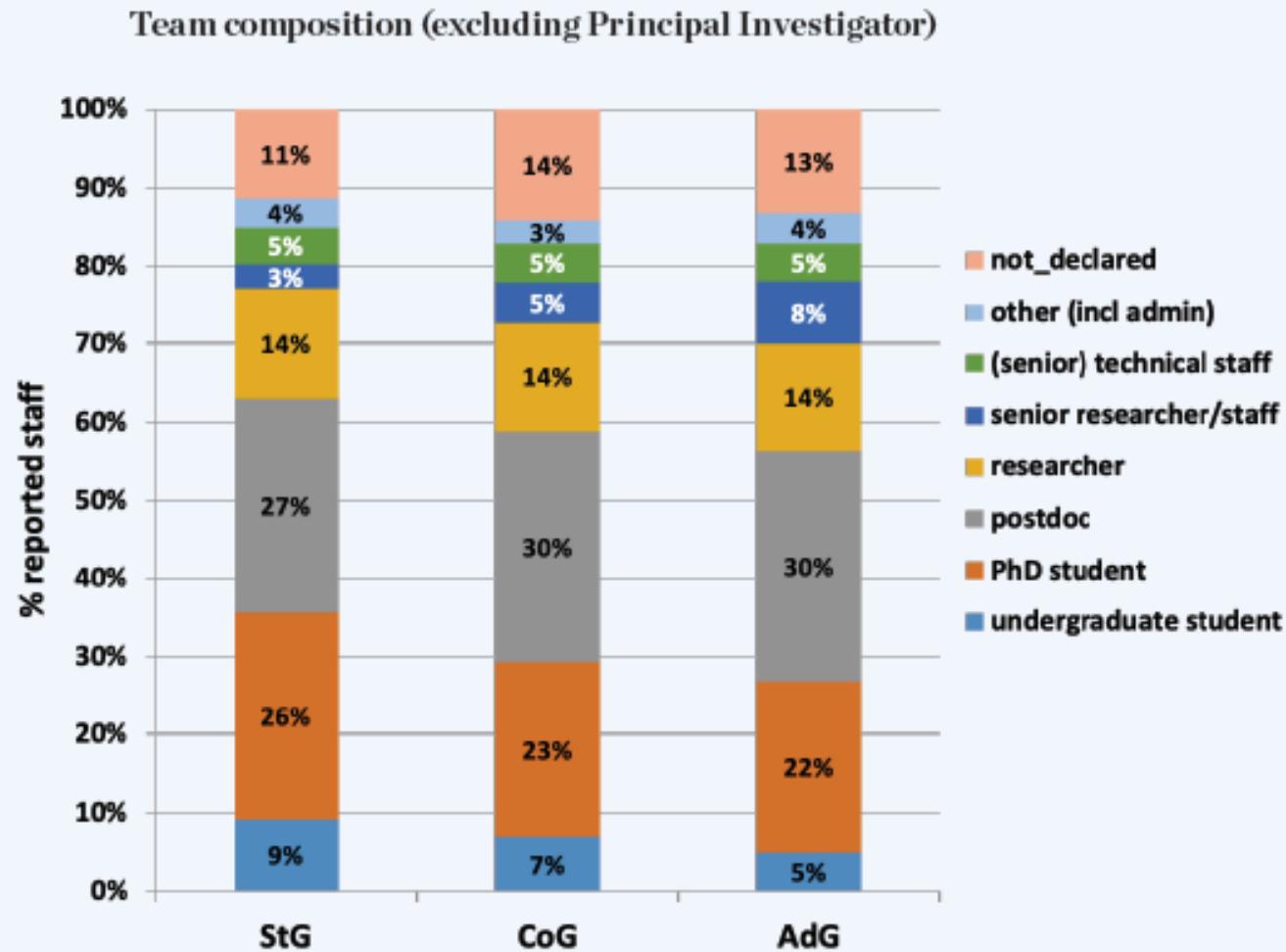
A nivel de propuesta se definen roles necesarios.

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

# Team Composition

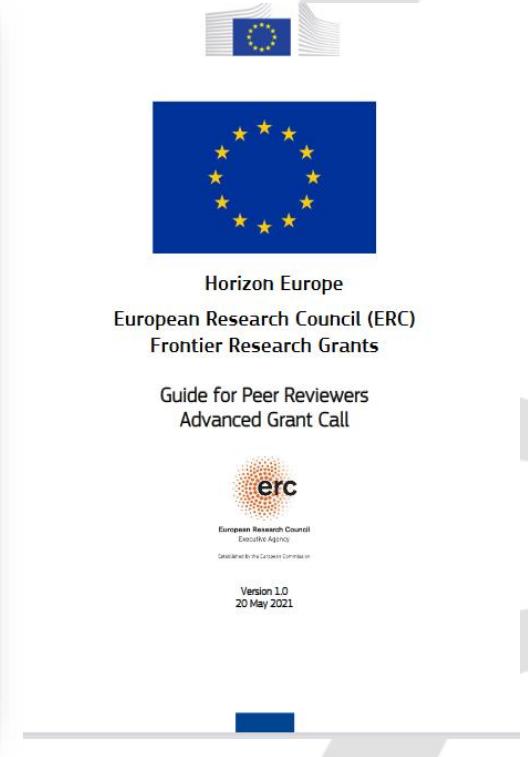
*Statistics of ERC project teams in Horizon 2020*

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



# ERC NOVEDADES WP 2022

# ERC Guides 2022– essential documents



**ERC WP 2022:** [https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/wp-call/2022/wp\\_horizon-erc-2022\\_en.pdf](https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/wp-call/2022/wp_horizon-erc-2022_en.pdf)

**Information for Applicants to AdG:** [https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/guidance/information-for-applicants\\_he-erc-adg\\_en.pdf](https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/guidance/information-for-applicants_he-erc-adg_en.pdf)

**Guide for Peer Reviewers Advanced Grant Cal (2021 actualizar cuando salga):** [https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/experts/guide-for-peer-reviewers\\_he-erc-adg\\_en.pdf](https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/experts/guide-for-peer-reviewers_he-erc-adg_en.pdf)

# ERC WP 2022 – main novelties



**Stability** of ERC mission, continuity of rules and procedures

**Budget** (€2,45b) already includes €313M expected as AC contributions For now, the WP2022 budget reflects the traditional budget allocation principles used by the Scientific Council, with budgetary priority to early career researcher profiles.

- **Proposal submission:** updated guidance on the track record
- **Evaluation:** hardship measures related to Covid-19
- **New eligibility condition:** Gender Equality Plan (at the time of GA signature)

**Switzerland:** legal entities established in Switzerland are not eligible as ERC host institutions.

**The UK** uncertainty with the association of the UK to the Horizon Europe.

# Proposal submission: updated guidance on the track record

- Revisión de la estrategia de financiación a la luz de los principios de la Declaración DORA (<https://sfdora.org/resource/european-research-council-erc/>)
- El **Journal Impact Factor** ya no se aceptará entre los indicadores bibliométricos relevantes que pueden incluirse como parte del track-record de publicaciones.
- **Otros tipos de logros** se pueden incluir en esta lista, si son relevantes para el campo de conocimiento y la propuesta.
- Dentro de la plantilla de propuesta existente y respetando los límites de página, el personal investigador puede proporcionar una **descripción narrativa de la importancia científica de sus resultados** de investigación y **del papel desempeñado en su producción**.



# Evaluation: hardship measures related to Covid-19

- En el contexto de la pandemia COVID19 los solicitantes pueden mencionar en la parte curricular (B1b, c) cualquier situación específica causada por la pandemia y que haya tenido un efecto negativo en su producción científica.
- Evaluado caso a caso de manera similar a los career breaks.



# ERC WP 2021&2022 – main novelties in HE

Advanced Grants: **Interviews !!!**

**Revised panel structure:**

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

**Administrative information Form A:**

- **Plan de gestión de datos** dentro de los 6 meses desde el inicio del proyecto.
- **Plan de igualdad de género (GEP)** o documento equivalente (obligatorio a la hora de firmar el GA)
- Ethics self-assesment,
  - Ethical dimension of the objectives, methodology and likely impact
  - Compliance with ethical principles and relevant legislations
- Security table

# ERC WP 2021&2022 – main novelties in HE

## Review of ERC panel structure (2021)

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**)

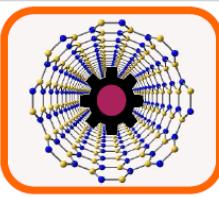
## Life Sciences (Revision on the descriptors)

- 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](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.*

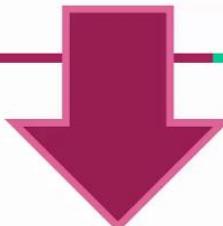
The material is identified and known:

- 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 2022 PROPOSAL

# ERC 2022 Proposal

One deadline | 2 steps evaluation process

The ERC full proposal = B1 + B2 + PartA

**B1**  
Extended Synopsis  
5 pags

Applicant's name: 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 evaluators prior to Step 1, to evaluate the quality of the research of the outlined scientific approach. Describe the proposed work in the context of the state-of-the-art and the originality of the proposed research. Please note that the reference style is commonly used by other disciplines such as American Chemical Society (ACS) style, American Physical Society (APS) style, or the Language Association (ASA) style, and therefore the evaluators are asked to easily retrieve such references.]  
  
Please respect the following formatting constants: Times New Roman, A4 and similar, at least font size 11, margins (2.0 cm side and 1.5 cm top and bottom), single line spacing.

**B2**  
Scientific proposal  
14 pags

Applicant's name: Part B2 ACRONYM:  
  
ERC Advanced Grant 2020 Part B2<sup>1</sup>  
(not evaluated in Step 1)  
  
Section: (a) and (b) of Part B2 together with section (c) Resources present in the online submission form should not exceed 15 pages. Budget table and References do not count towards the page limit.  
  
Text length: 15 pages. Budget table and References do not count towards the page limit.  
Please respect the following formatting constants: Times New Roman, A4 and similar, at least font size 11, margins (2.0 cm side and 1.5 cm top and bottom), single line spacing.  
  
Section a. State-of-the-art and objectives  
  
Section b. Methodology  
  
Do NOT include any deviation of resources or budgetable here (Part B2). The Resources section and the detailed budget table are now part of the online submission form (Part A, Section 3 - Budget). This section 2 will be extracted and provided to the peer reviewers.  
  
<sup>1</sup> Instructions for completing Part B2 can be found in the "Information for applicants to the Advanced Grant 2020 Call".

**Part A – Formularios online**  
**A1 General Information**  
**A2 Participants (GEP)**  
**A3 Budget**  
table + description (8.000c)  
**A4 Ethics and security**  
**A5 Other questions**  
**Exclusión hasta 3 evaluadores**

**Annexes**

- HI support letter
- Ethics issues and security
- Extensions to the 10Y track-record

## 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

### Annexes

- HI support letter
- Ethics issues and security
- Extensions to the 10Y track-record

## Gender Equality Plan

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

### Minimum process-related requirements (building blocks) for a GEP

- **Publication:** formal document published on the institution's website and signed by the top management
- **Dedicated resources:** commitment of human resources and gender expertise to implement it.
- **Data collection and monitoring:** sex/gender disaggregated data on personnel (and students for establishments concerned) and annual reporting based on indicators.
- **Training:** Awareness raising/trainings on gender equality and unconscious gender biases for staff and decision-makers.
- **Content-wise, recommended areas** to be **covered** and addressed via concrete measures and targets are:
  - 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.

## 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)**

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

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



Screenshot of the European Research Council website showing the 'Evaluation Panels' section. The page includes the ERC logo, navigation links for Funding, Projects &amp; Figures, News &amp; Events, and Managing Your Project, and a link to 'Info for Applicants'. The main content area is titled 'EVALUATION PANELS'.

## Panel Chairs ERC-2022-AdG:

<https://erc.europa.eu/content/panel-chairs-erc-advanced-grant-2022>

## Panel Members ERC-2020-AdG:

<https://erc.europa.eu/content/panel-members-erc-advanced-grant-2020>

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



European Research Council

Submitted by Paolo.BORGHESI on Fri, 24/01/2020 - 6:32pm

Read time: 0 mins

#### PANEL CHAIRS ERC CONSOLIDATOR GRANT 2020

# ERC Evaluation panels + Panel Members

## LS8 Evaluation Panel (subfields) 2021-2022

### LS8 Environmental Biology, Ecology and Evolution

For all organisms:

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

LS8\_1 Ecosystem and community ecology, macroecology

LS8\_2 Biodiversity

LS8\_3 Conservation biology

LS8\_4 Population biology, population dynamics, population genetics

LS8\_5 Biological aspects of environmental change, including climate change

LS8\_6 Evolutionary ecology

LS8\_7 Evolutionary genetics

LS8\_8 Phylogenetics, systematics, comparative biology

LS8\_9 Macroevolution and paleobiology

LS8\_10 Ecology and evolution of species interactions

LS8\_11 Behavioural ecology and evolution

LS8\_12 Microbial ecology and evolution

LS8\_13 Marine biology and ecology

LS8\_14 Ecophysiology, from organisms to ecosystems

LS8\_15 Theoretical developments and modelling in environmental biology, ecology, and evolution



## LS8 Evolutionary, Population and Environmental Biology

### Evolutionary, Population and Environmental Biology (LS8)

**Jacobus Boomsma**

Melissa Bateson

Joy Bergelson

Michael Boots

Sandra Diaz

José María Gómez

Michael S. M. Jetten

Christiane Lancelot (Van Beveren)

Anne Magurran

Diethard Tautz

Ralph Tiedemann

Yves Van de Peer

Lars Werdelin

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PI ●

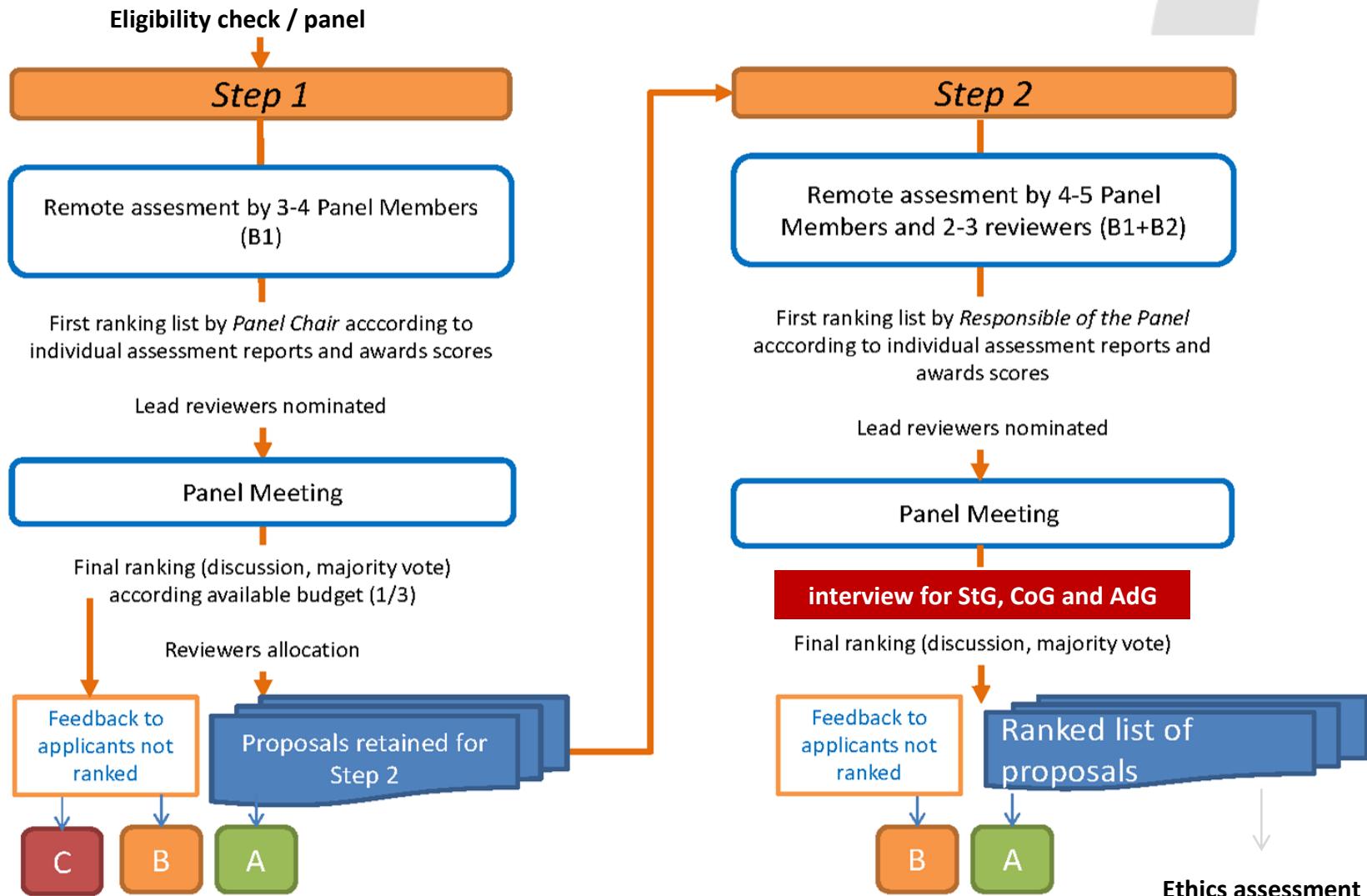
## LS8 Evolutionary, Population and Environmental Biology

### Evolutionary, Population and Environmental Biology (LS8)

#### Jacobus Boomsma (Panel Chair)

- Melissa Bateson
- Joy Bergelson
- Michael Boots
- Sandra Diaz
- José María Gómez **Lead reviewer**
- Michael S. M. Jetten
- Christiane Lancelot (Van Beveren)
- Anne Magurran
- Diethard Tautz
- Ralph Tiedemann
- Yves Van de Peer
- Lars Werdelin

# ERC Evaluation process AdG 2022



# The interview

Presentation (3-10 min.) + Question (15-25 min) = Total 30min

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

Reports from Top Science Experts in your field

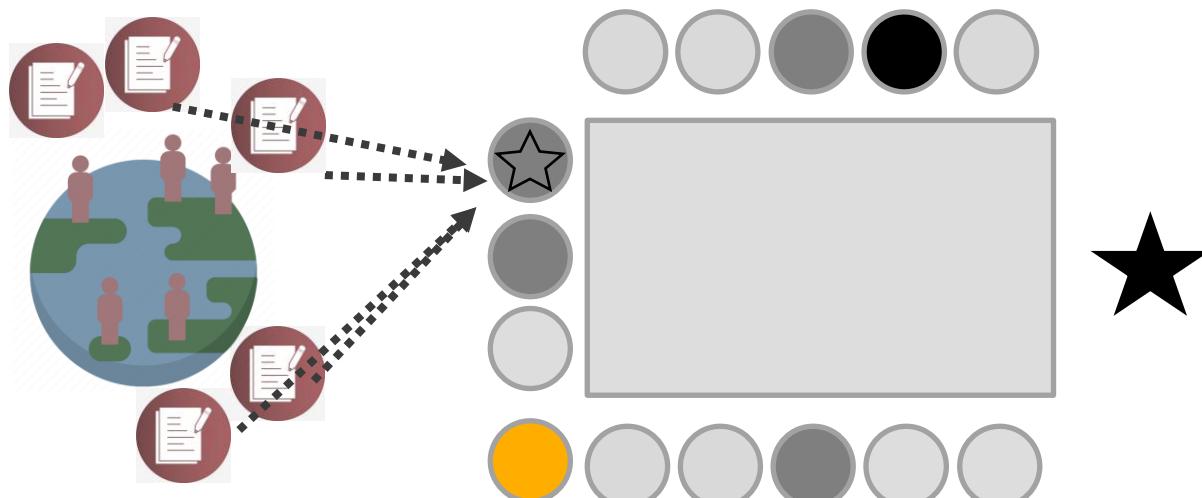
**Consensus** must be reached

Challenges:

Present your project to general audience

Answer technical questions from experts

Answer broad questions from non-experts



- Panel Chair
- Panel members involved
- Lead reviewer
- Other panel members
- Raporter
- External experts
- PI

# ERC Advanced Grant. Calendario de evaluación

## TIMEFRAME ADVANCED GRANT 2022 EVALUATION (ERC-2022-ADG)

Timeframe* Advanced Grant 2022 evaluation (ERC-2022-ADG)	PE Physical Sciences & Engineering	LS Life Sciences	SH Social Sciences & Humanities
1. Results of eligibility check (applies only to proposals declared ineligible)		Late June 2022	
2. Invitations for interviews	Mid October 2022	Late October 2022	Early November 2022
3. Results of Step 1 for non-retained applicants		Mid December 2022	
4. Step 2 Interviews	Mid January 2023	Late January 2023	Late January Early February 2023
5. Results of Step 2		April 2023	

\* This timeframe indicates the dates when we expect to have sent evaluation results to applicants after each evaluation step.

Please note that not all results go out at the same time. If you have not heard from us within this timeframe, please check this website for an update.

# Restrictions on submission of proposals

## Step 1 restrictions

Score C: 2 years  
Score B: 1 Year

## Step 2 NO restrictions

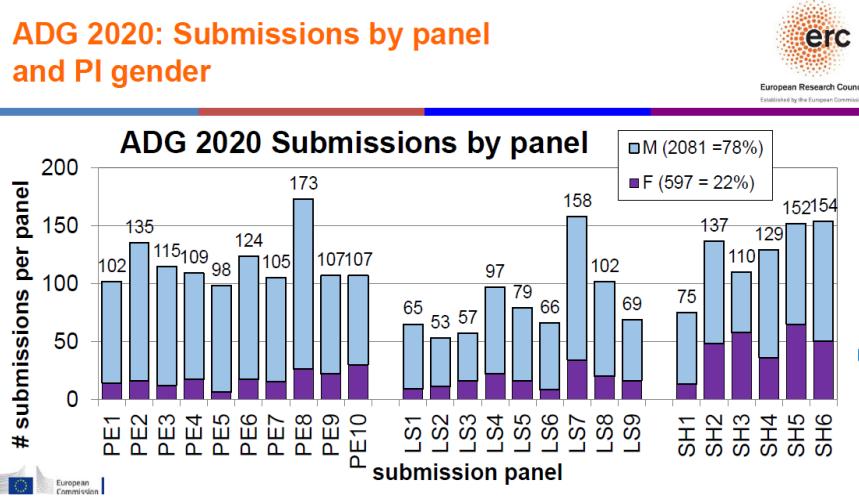
Score B  
Score A  
Reserve list  
Main list

- A “C” score in Step 1 as outcome of AdG 2022 call may prevent you from resubmitting until 2025 calls.
  - A “B” score in Step 1 as outcome of AdG2022 call may prevent you from resubmitting until 2024 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

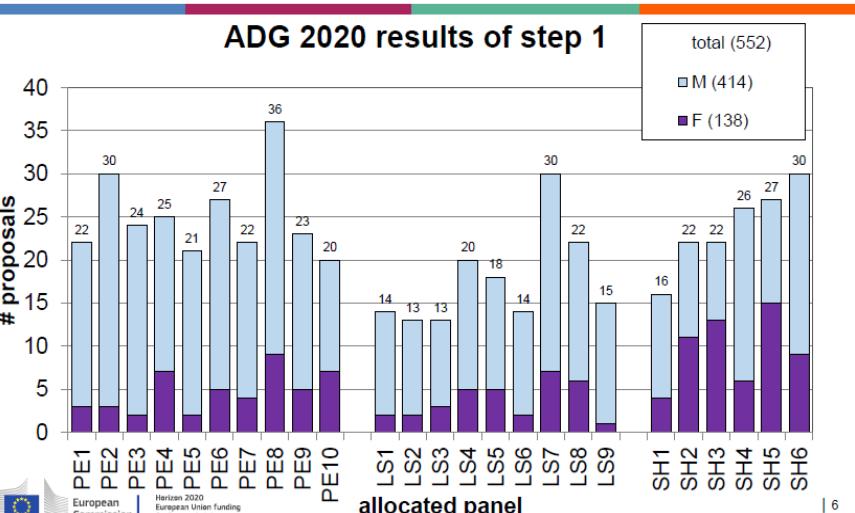
**Restricciones orientativas: siempre comprobar el WP**

# Ranking

ADG 2020: Submissions by panel and PI gender



ADG 2020 Results of Step 1  
By panel and gender



Advanced Grant 2020

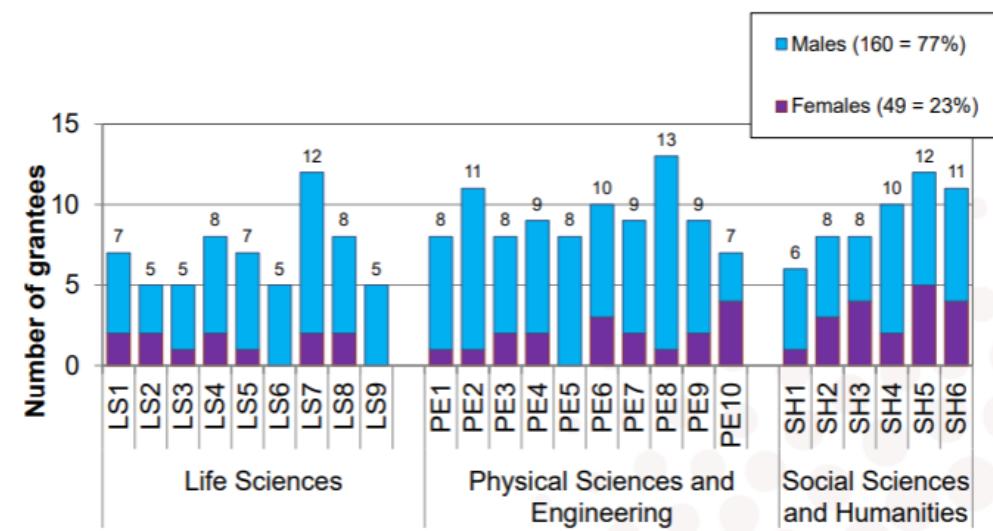
Call budget: 492 Million Euro

Final call budget: 507 Million Euro

ERC Advanced 2020

Grantees by Panel and Gender

Total 209 grants



Panel Budget =

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

# ERC ADG 2022 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 2022

## 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)

# Dimensiones del proyecto

## Ground-breaking nature and potential impact of the research project

- *Contribuciones capaces de dirigir avances substanciales en el campo científico o en los campos adyacentes*
- *Se refiere a los importantes pasos que hay que dar en la propuesta para alcanzar el impacto.*
- *Dimensión más operativa*

## research high risk-high gain

- *Gran ganancia para el campo, cuál es el salto científico (breakthrough).*
- *¿cuál es tu gran pregunta de investigación?*
- *Esta dimensión permitirá abrir nuevos horizontes en el campo.*
- *Dimensión más conceptual*

# 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](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,...**

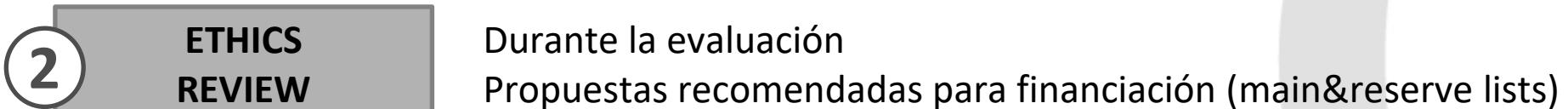
Para facilitar el análisis de las cuestiones éticas: proporcionar un resumen en inglés de la documentación que se adjunta cuando estos documentos no estén en inglés.

The screenshot shows the 'Edit Proposal' step of the ERC-2020-ADG application. The top navigation bar includes 'LOGIN', 'FUNDING SCHEME', 'CREATE DRAFT', 'PARTIES', 'EDIT PROPOSAL', and 'SUBMIT'. Below this is a progress bar with five steps: Step 1 (red), Step 2 (blue), Step 3 (green), Step 4 (orange), and Step 5 (purple).  
**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: DEADLINE (Brussels Local Time)  
26 August 2020 17:00.00  
96 days left until closure  
**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.  

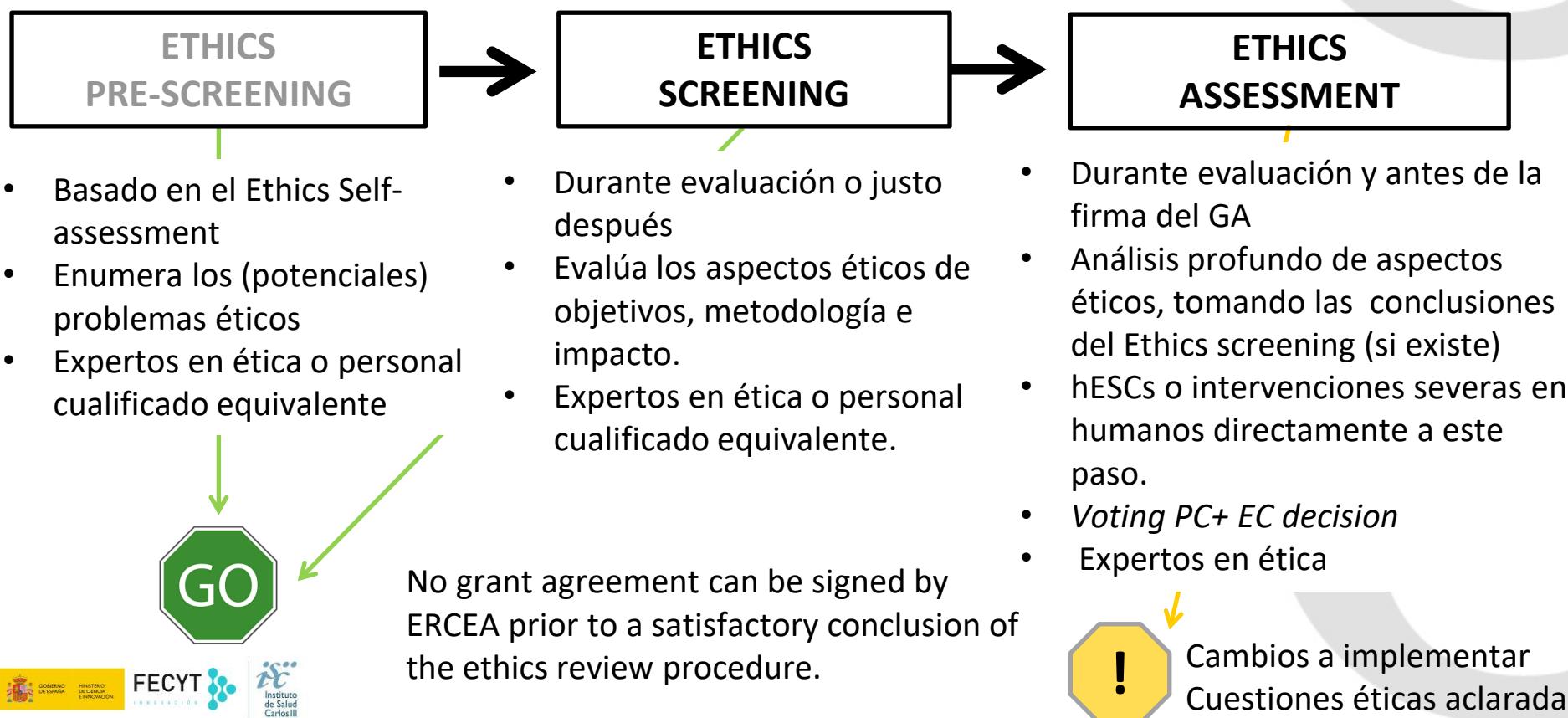
Part B1	<a href="#">upload</a>	<a href="#">x</a>	<a href="#">?</a>
Part B2	<a href="#">upload</a>	<a href="#">x</a>	<a href="#">?</a>
Host Support Letter	<a href="#">upload</a>	<a href="#">x</a>	<a href="#">?</a>
Extra annex 1	<a href="#">upload</a>	<a href="#">?</a>	<a href="#">?</a>
Extra annex 2	<a href="#">upload</a>	<a href="#">?</a>	<a href="#">?</a>
Extra annex 3	<a href="#">upload</a>	<a href="#">?</a>	<a href="#">?</a>
Extra annex 4	<a href="#">upload</a>	<a href="#">?</a>	<a href="#">?</a>
Extra annex 5	<a href="#">upload</a>	<a href="#">?</a>	<a href="#">?</a>
Extra annex 6	<a href="#">upload</a>	<a href="#">?</a>	<a href="#">?</a>
Extra annex 7	<a href="#">upload</a>	<a href="#">?</a>	<a href="#">?</a>
Extra annex 8	<a href="#">upload</a>	<a href="#">?</a>	<a href="#">?</a>

ethical issues annexes

# Ethics Appraisal Steps



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 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 submitted 2,678 proposals**, an increase of 42% compared to the 2019 call.

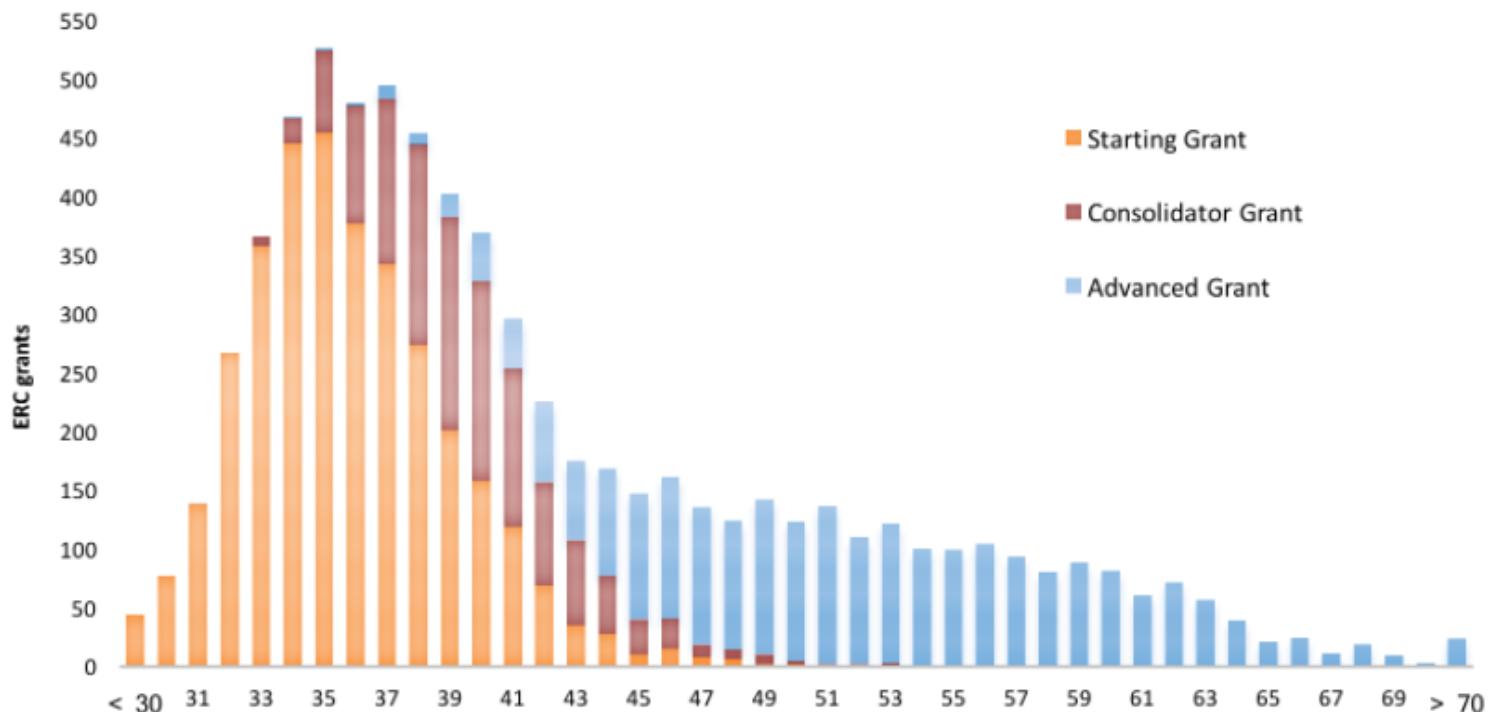
Success rate ~ 8%

**Advanced Grants 2021 submitted 1,735 proposals**, a decrease of -35% compared to the 2020 call

- <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/>

# ADG 2021 Submissions

## Deadline 31 August 2021



European Research Council  
Established by the European Commission

	Submitted	Change from 2020	% proposals F	% proposals in domain	% budget request in domain
Physical Sciences and Engineering	762	-35%	13%	44%	44%
Life Sciences	501	-33%	22%	28%	30%
Social Sciences and Humanities	472	-38%	33%	29%	26%
<b>Total</b>	<b>1735</b>	<b>-35%</b>	<b>21%</b>	<b>100%</b>	<b>100%</b>



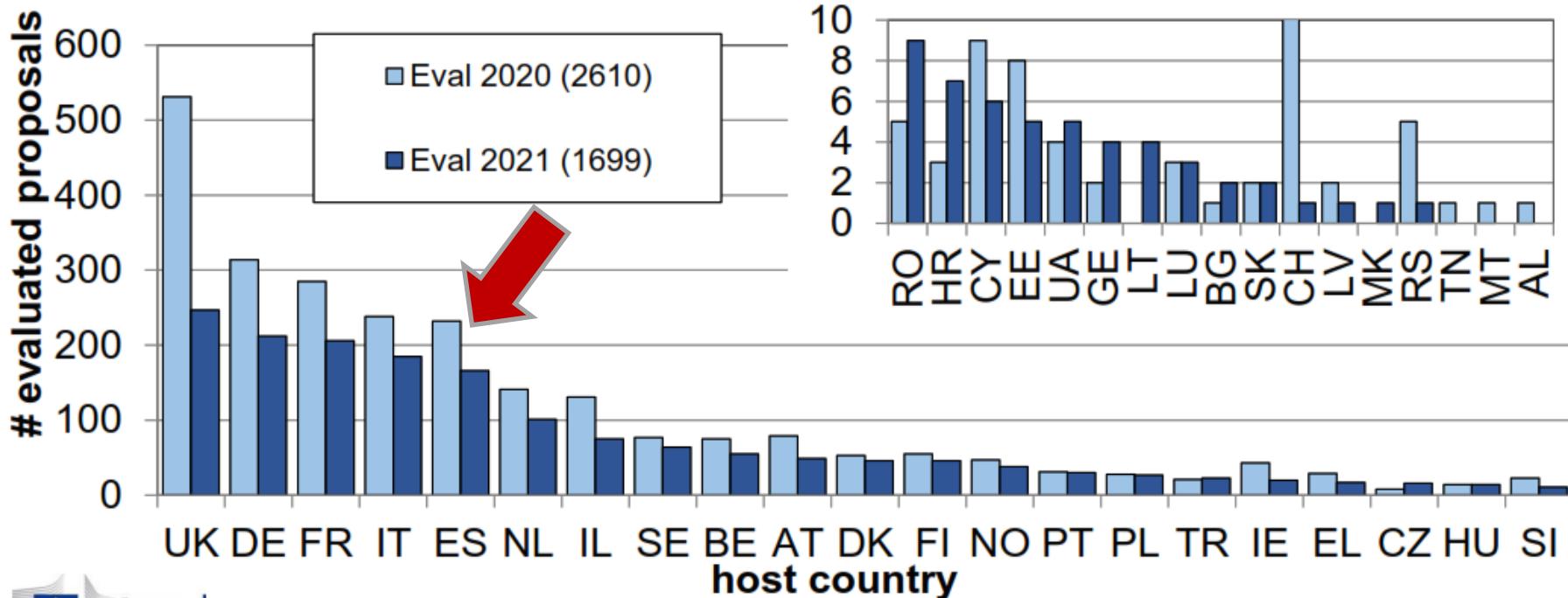
## ADG 2020-2021 – Evaluated by HI country

\* CH no longer eligible except CERN



European Research Council  
Established by the European Commission

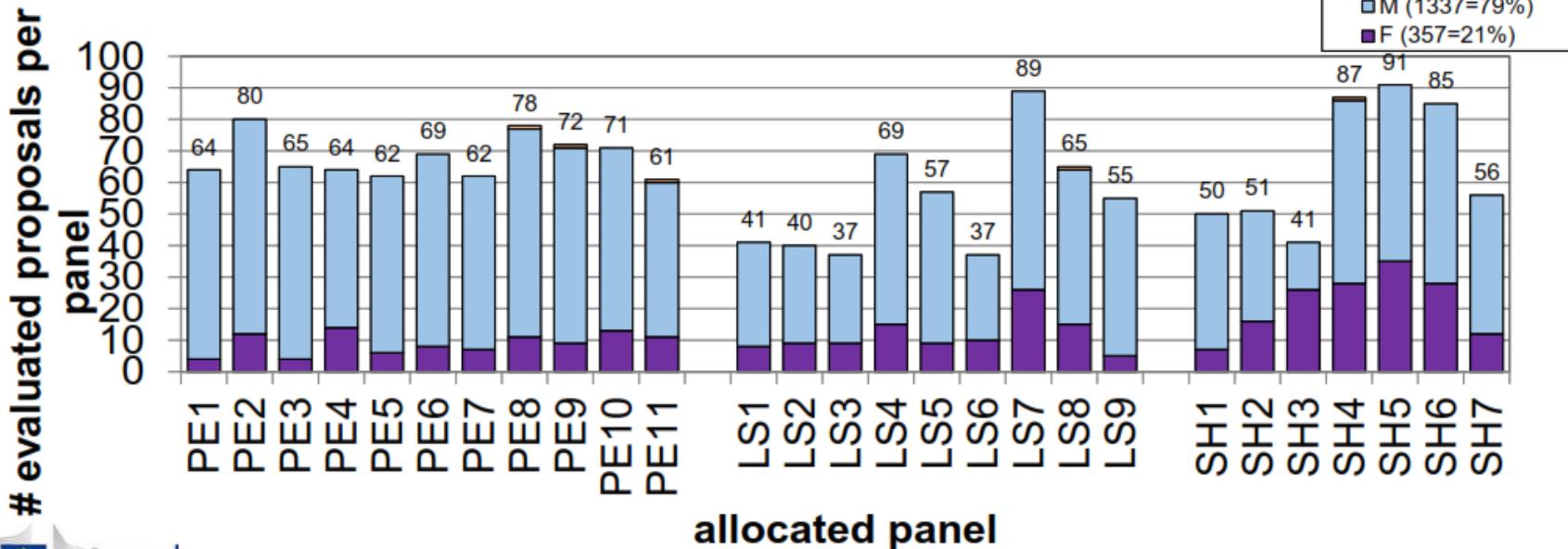
## Evaluated proposals by host country



European Commission

## ADG 2021: Evaluated proposals by panel and PI gender

### ADG 2021 Evaluated proposals by panel

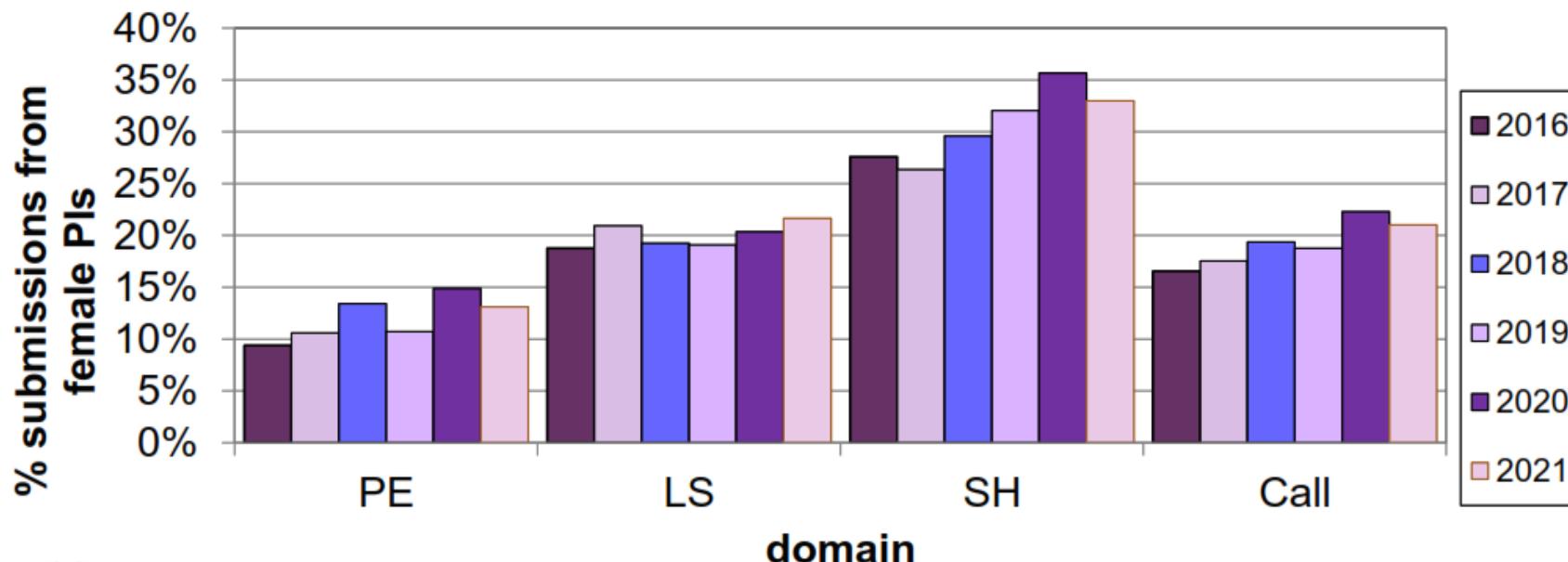


# ADG 2016-2021 Participation of Female PIs



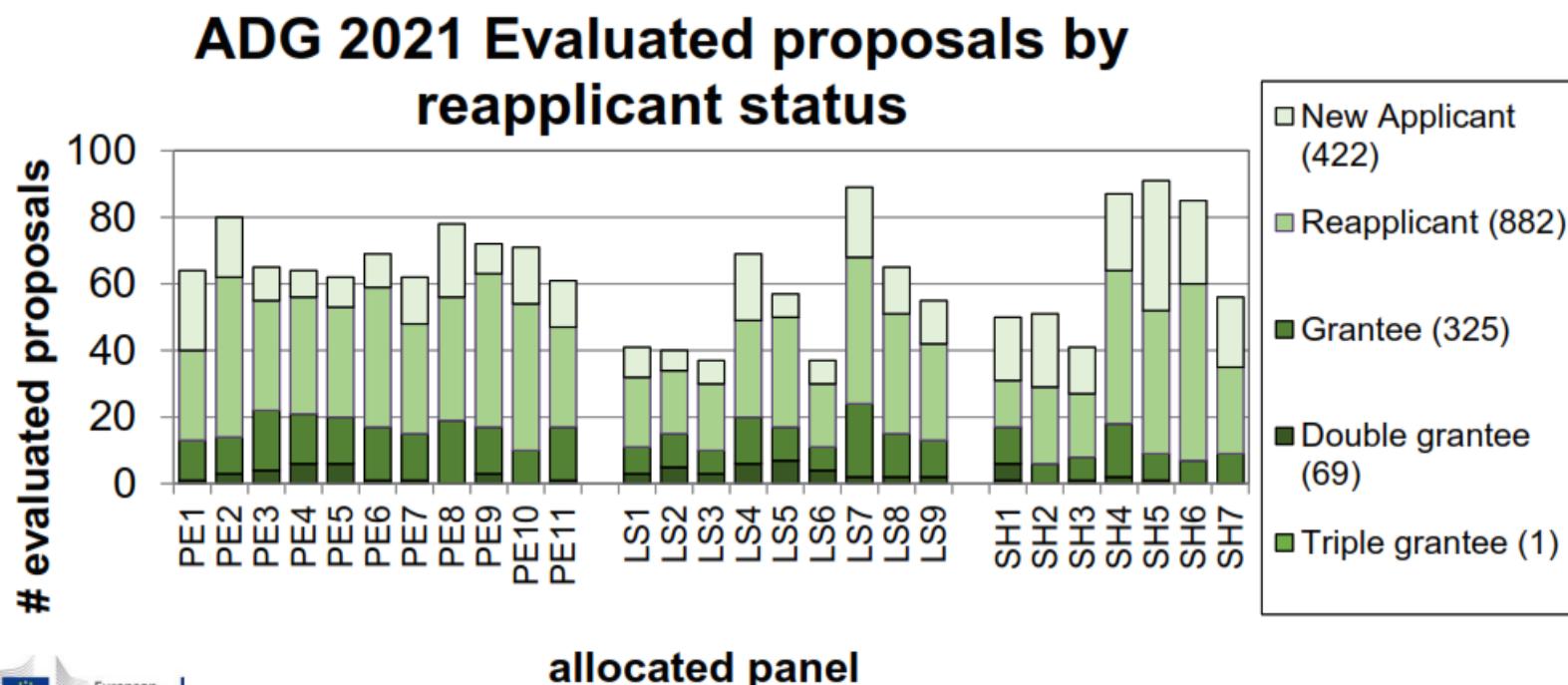
European Research Council  
Established by the European Commission

## ADG 2016-2021 submissions from females



# ADG 2021: Evaluated proposals by reapplicants and grantees

23% of the submissions are from past grantees



allocated panel

# 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



[Telegram](#) [RSS](#)



Ciencia Excelente Desafíos mundiales Europa Innovadora Widening+ERA Más Europa



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



Telegram 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



Eventos



Noticias



Documentos de interés



Enlaces de interés

## Puntos nacionales de contacto

### Consejo Europeo de Investigación (ERC)



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Laura Mohedano

Instituto de Salud Carlos III  
lmohedano@eu-isciii.es  
+34 91 822 23 77

# Servicios estatales ERC

**Jornadas informativas**

**Talleres de preparación propuestas**

**Revisión propuestas**

- ¿quién? IPs elegibles ¿cuándo? Aprox. 8 semanas antes del cierre de la convocatoria
- 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:  
[https://www.horizonteeuropa.es/noticias-programa?id\\_programa=1](https://www.horizonteeuropa.es/noticias-programa?id_programa=1)

**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 2021

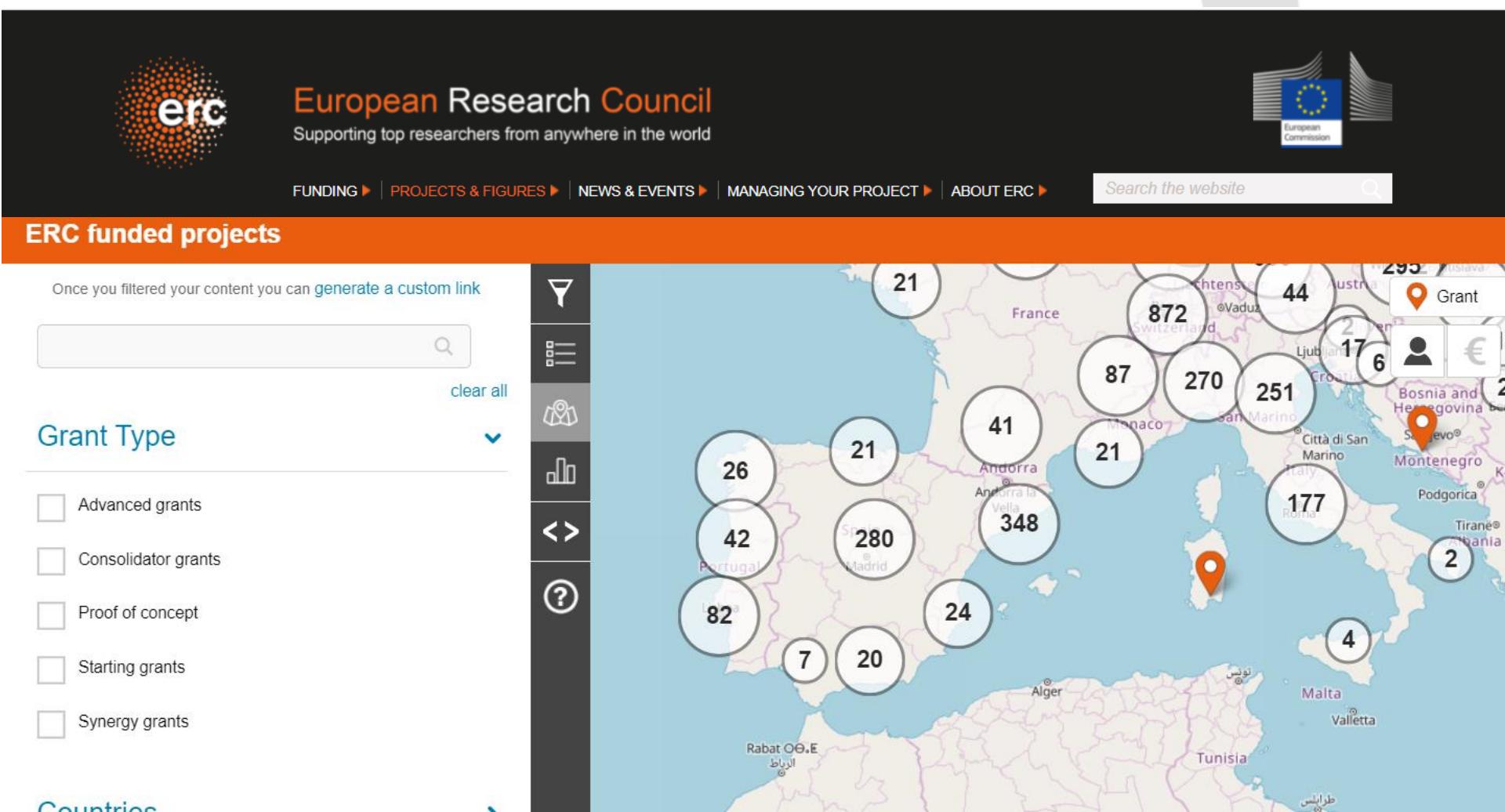


Actividades ERC WP2021	nº	usuarios
Jornada informativas	15	1883
Talleres de propuestas	15	2403
Revisiones de propuestas		
Starting Grant 2021	79	
Consolidator Grant 2021	57	
Advanced Grant 2021	37	
Simulacros entrevista		
Starting Grant 2021	56	
Consolidator Grant 2021	42	
Advanced Grant 2021	30	
Reading Days 2021	6	117
Consultas atendidas		2231
Reuniones participantes		49
Relación con el ERC		
reu de NCPs	6	
reu comité de Programa	3	

# ENLACES DE INTERÉS

# Enlaces de interés

Base de datos de todos los **proyectos financiados** por año y ayuda  
<https://erc.europa.eu/projects-figures/erc-funded-projects>



# 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](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/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](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\\_v1.1\\_en.pdf](https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/common/agr-contr/general-mga_horizon-euratom_v1.1_en.pdf)

# Videos ERC Classes

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?** (8:43 min)

<https://youtu.be/F4qXVGcdH5w>

**How to apply for your ERC Proof of Concept Grant** (9:24 min.)

<https://youtu.be/PLtv6FnsXqn>

- 1  Step by Step to the ERC application process  
European Research Council  
**VISTO** 5:20
- 2  How to get started with your ERC proposal  
European Research Council  
**VISTO** 11:36
- 3  How to write part 1 of your ERC proposal  
European Research Council  
**VISTO** 14:31
- 4  How to write part 2 of your ERC proposal  
European Research Council  
**VISTO** 8:16
- 5  How do we evaluate your ERC proposal  
European Research Council  
**VISTO** 11:39
- 6  How to prepare for your ERC interview  
European Research Council  
**VISTO** 8:43
- 7  How to apply for your ERC Proof of Concept Grant  
European Research Council  
**VISTO** 9:24

**MUCHAS GRACIAS**