Webinar I: Convocatoria ERC - Consolidator Grant 2025
Primeros pasos

27 de septiembre de 2024

GOBIERNO DE ESPAÑA
MINISTERIO DE CIENCIA, INNOVACIÓN Y UNIVERSIDADES
FECYT INNOVACIÓN
oficina europea

Bienvenida

Las personas participantes están silenciadas

Después de la presentación abriremos un turno de preguntas:

https://www.menti.com/
CÓDIGO: 6216 3020

Parte del seminario se está grabando y quedará accesible posteriormente junto con la presentación

Os agradecemos mucho que contestéis a la encuesta de valoración que saldrá al abandonar el webinar porque nos ayuda a mejorar.

Delegación española del programa ERC

Representante Comité de Programa ERC	National Contact Points ERC erc@fecyt.es		Técnico Ciencia Excelente (ERC)	Técnica soporte a servicios ERC
				
Jose Luis García CIB-CSIC	**Estefanía Muñoz** FECYT, MICIU	**Leticia Riaza** FECYT, MCIU,ISCIII	**Julio Marchamalo** FECYT, MCIU,ISCIII	**Carmen Estévez** FECYT, MICIU

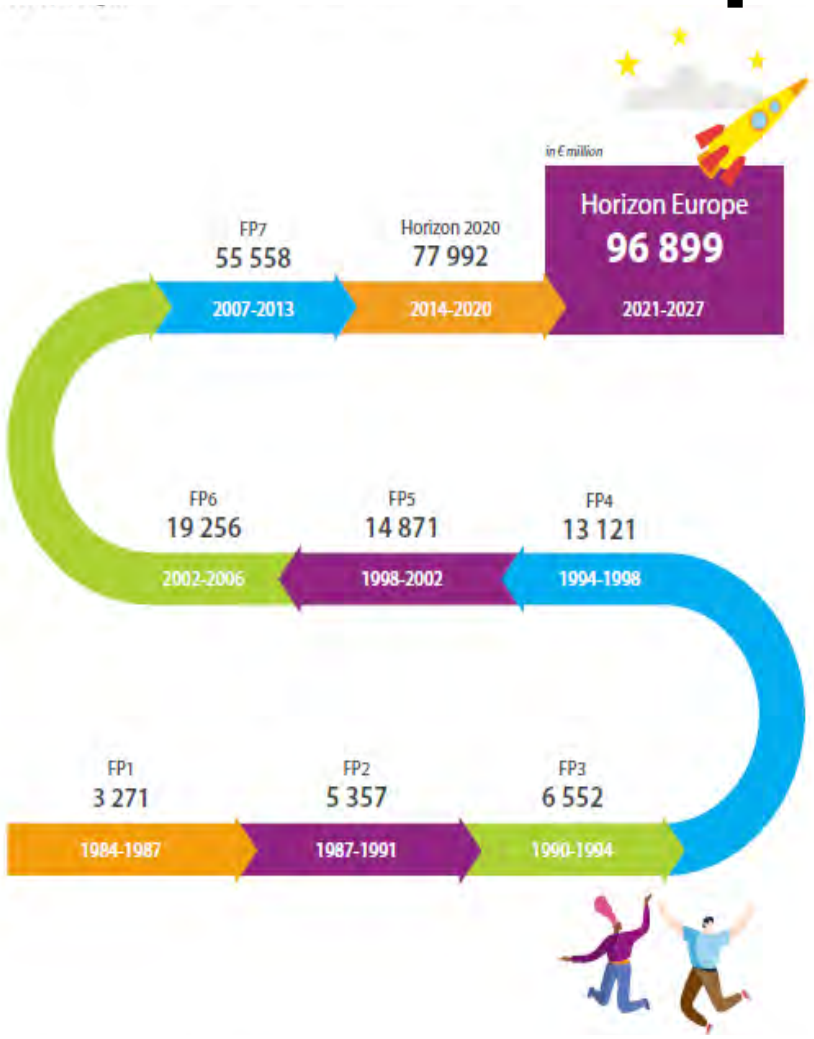
erc

Index

- ERC Calls for Proposals Summary - WP2025
- Practical aspects
- Evaluation criterion and procedure
- Some facts and figures

ERC PROGRAMME SUMMARY – WP2025

Horizon Europe (2021-2027)



HORIZON EUROPE BUDGET

Horizon Europe programme structure

		Total in € million
EXCELLENT SCIENCE *of which*		25 011
The European Research Council (ERC)	16 004	
Marie Skłodowska-Curie Actions (MSCA)	6 602	
Research infrastructures	2 406	
GLOBAL CHALLENGES AND EUROPEAN INDUSTRIAL COMPETITIVENESS *of which*		53 516
Health	8 246	
Culture, creativity and inclusive society	2 280	
Civil Security for Society	1 596	
Digital, Industry and Space	15 349	
Climate, Energy and Mobility	15 123	
Food, Bioeconomy, Natural Resources, Agriculture and Environment	8 952	
Non-nuclear direct actions of the Joint Research Centre (JRC)	1 970	
INNOVATIVE EUROPE *of which*		13 597
European Innovation Council (EIC)	10 105	
European innovation ecosystems	527	
European Institute of Innovation and Technology (EIT)	2 965	
WIDENING PARTICIPATION & STRENGTHENING THE EUROPEAN RESEARCH AREA *of which*		3 393
Widening participation and spreading excellence	2 955	
Reforming and enhancing the European R&I System	438	
TOTAL HORIZON EUROPE		**95 517**

At a glance

- Open to researchers from all over the world
- Long-term individual projects
- No thematic priorities
- Frontier, ~~'high-risk/high-gain'~~ research in any scientific field
- Single evaluation criteria: scientific excellence of the research proposal and of the Principal Investigator
- Evaluation by scientists of high international standing
- Offers research staff: Independence, recognition and visibility

ERC Scientific Council

- Prof. **Tomaž Prosen**, University of Ljubljana, whose research focuses on fundamental questions of non-equilibrium statistical and quantum physics, and
- Prof. **Maarit Karppinen**, Aalto University, whose research is in the area of inorganic materials chemistry.

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.

The **role of the ERC Scientific Council** is to:

- Decide on a scientific strategy
- Monitor and control quality and performance
- Establish a communication strategy

Maria Leptin is the President of the ERC since 1 November 2021, former Director of EMBO (European Molecular Biology Organization)

ERC Work Programme 2025

- ERC Work Programme 2025 **approved by the Scientific Council** in February 2024
- **European Commission adoptted** the ERC Work Programme 2025 end of June 2024
- The current budget appropriations – **EUR 2.3bn** – include the amount originally agreed in the Multiannual Financial Framework + fines + EFTA country contributions
- Additional funding from Associated Countries of some **EUR 439m** is expected and has already been included in the provisional total budget

Provisional Total Budget = 2.7bn

Provisional Call Calendar – Work Programme 2025

	Starting Grant	*Consolidator Grant*	*Advanced Grant*	*Synergy Grant*	*Proof of Concept Grant*
Call opens	10/07/2024	26/09/2024	22/05/2025	11/07/2024	13/11/2024
Call deadline (cut-off date)	15/10/2024	14/01/2025	28/08/2025	06/11/2024	13/03/2025 18/09/2025
Budget (m EUR)	751	719	683	500	30
Estimated nr. of grants	483	354	276	48	200

ERC main grant schemes

STARTING

- Support for excellent Principal Investigators at the career stage at which they are starting their own independent research team or programme.
- Grants up to 1.5€ million for 5Y.
- PI Commitment: >50%
- 2 to 7 years experience after PhD

CONSOLIDATOR

- Support for excellent Principal Investigators at the career stage at which they may still be consolidating their own independent research team or programme.
- Grants up to 2€ million for 5Y
- PI Commitment: >40%
- 7 to 12 years experience after PhD

ADVANCED

- Support for excellent Principal Investigators at the career stage at which they are already established research leaders with a recognised track record of research achievements.
- Grants up to 2.5€ million for 5Y
- PI Commitment: >30%

PRACTICAL ASPECTS

PRACTICAL ASPECTS

1. First Steps
2. Host Institution
3. EU Contribution
4. Research Team
5. Principal Investigator

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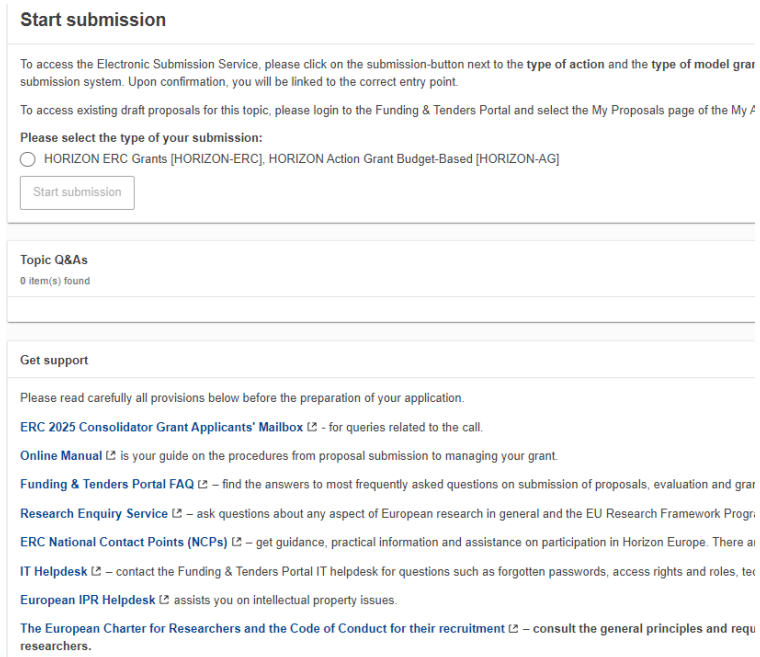
1. First Steps

- Get in touch with the Host Institution
- Familiarise yourself with useful websites
  - Funding & Tender Portal – call for proposal
  - ERC website - CoG



Start submission

To access the Electronic Submission Service, please click on the submission-button next to the **type of action** and the **type of model grar** submission system. Upon confirmation, you will be linked to the correct entry point.

To access existing draft proposals for this topic, please login to the Funding & Tenders Portal and select the My Proposals page of the My A

Please select the type of your submission:

HORIZON ERC Grants [HORIZON-ERC], HORIZON Action Grant Budget-Based [HORIZON-AG]

Start submission

Topic Q&As

0 item(s) found

Get support

Please read carefully all provisions below before the preparation of your application.

ERC 2025 Consolidator Grant Applicants' Mailbox - for queries related to the call.

Online Manual is your guide on the procedures from proposal submission to managing your grant.

Funding & Tenders Portal FAQ – find the answers to most frequently asked questions on submission of proposals, evaluation and grar

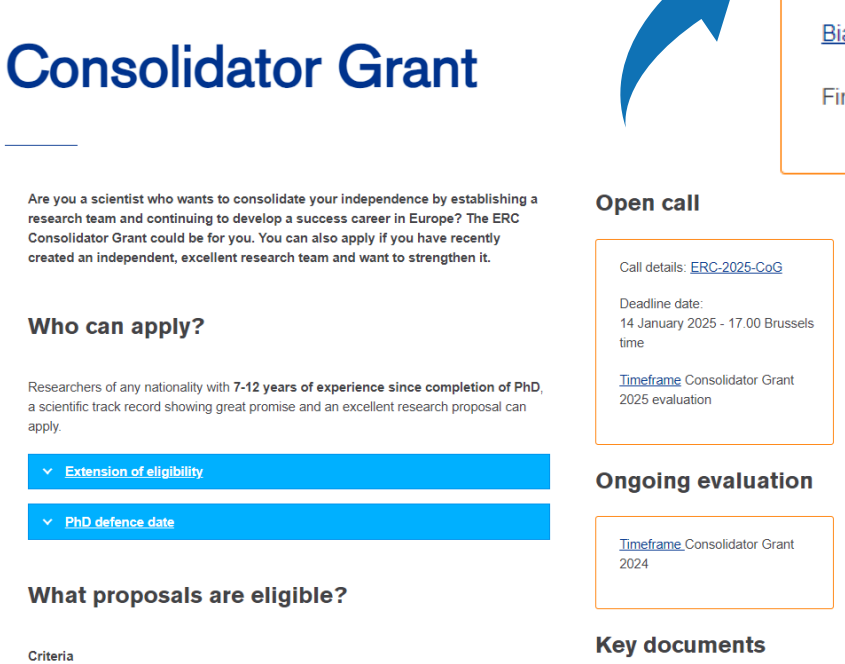
Research Enquiry Service – ask questions about any aspect of European research in general and the EU Research Framework Progr

ERC National Contact Points (NCPs) – get guidance, practical information and assistance on participation in Horizon Europe. There a

IT Helpdesk – contact the Funding & Tenders Portal IT helpdesk for questions such as forgotten passwords, access rights and roles, te

European IPR Helpdesk assists you on intellectual property issues.

The European Charter for Researchers and the Code of Conduct for their recruitment – **consult the general principles and requ researchers.**



Consolidator Grant

Are you a scientist who wants to consolidate your independence by establishing a research team and continuing to develop a success career in Europe? The ERC Consolidator Grant could be for you. You can also apply if you have recently created an independent, excellent research team and want to strengthen it.

Who can apply?

Researchers of any nationality with **7-12 years of experience since completion of PhD**, a scientific track record showing great promise and an excellent research proposal can apply.

Extension of eligibility

PhD defence date

What proposals are eligible?

Criteria

Key documents

ERC Work Programme
2024 | 2025

Info for applicants CoG
2024 | 2025

Guide for peer reviewers

Gender Equality Plans guidance

Bias awareness

Find more documents

Open call

Call details: ERC-2025-CoG

Deadline date:
14 January 2025 - 17.00 Brussels time

Timeframe Consolidator Grant 2025 evaluation

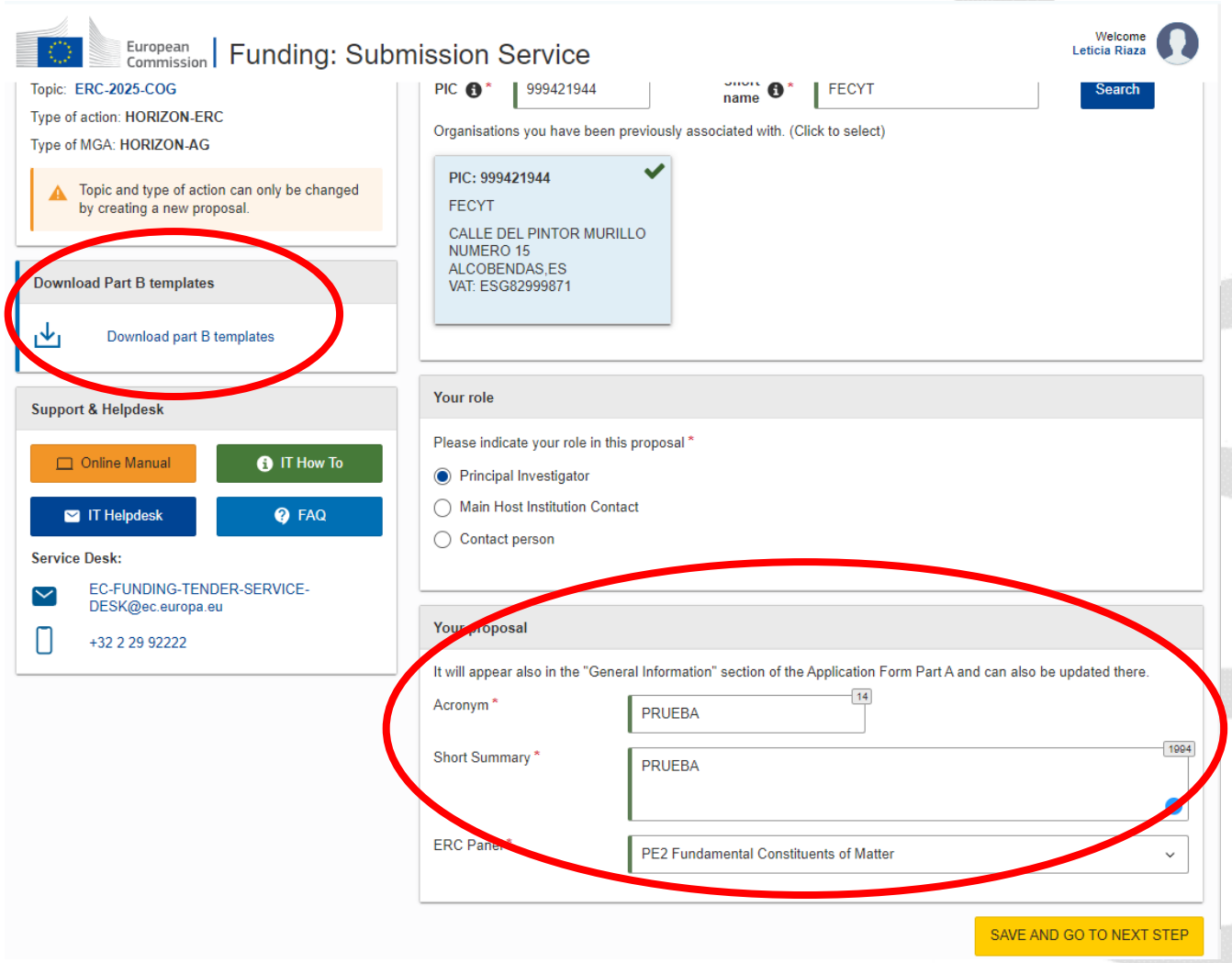
Ongoing evaluation

Timeframe Consolidator Grant 2024

Key documents

1. First Steps

- Familiarise yourself with Form A, proposal templates, support guides, etc.
- And when the time is right, start writing.



1. First Steps

Árbol de servicios de apoyo al programa

Database of all **funded projects** by year and threshold/call (and much more)

Panel Members | ERC - European Union

Subscribe to our newsletter

Series of videos – ERC Classes – for potential applicants:

2. Host Institution (HI)

- Any type of **legal entity**, private or public (universities, research centres, industry,…)
- 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

Gender Equality Plan

The organization must have a Gender Equality Plan (GEP) at the time of signing the grant agreement

3. EU contribution and management of the grant

Up to **[2] million euros for 5 years** (60 months) + **Additional funding** up to **1M€**

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)
- Purchases of equipment, infrastructure, or other assets (depretiation according HI rules **& capitalised costs**)
- Consumables
- Travels, publications,…

- **Host Institution rules apply**.
- **Flexibility**: modifications are accepted by amendments to the GA
- Reports **in HE:**
  -HI submits 2 Financial (periodic) Reports (at months 30 and 60)
  -PI submits 2 Scientific (progress) Reports (at months 24 and 60)
- Grants receive between 25-40% pre-financing
- Management of the funds by the PI
- Grants are **portable**

An applicant can request to include in the GA equipment, infrastructure, or other assets purchased specifically for the action that may exceptionally be declared as full capitalised costs.

Additional funding

Additional funding 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.

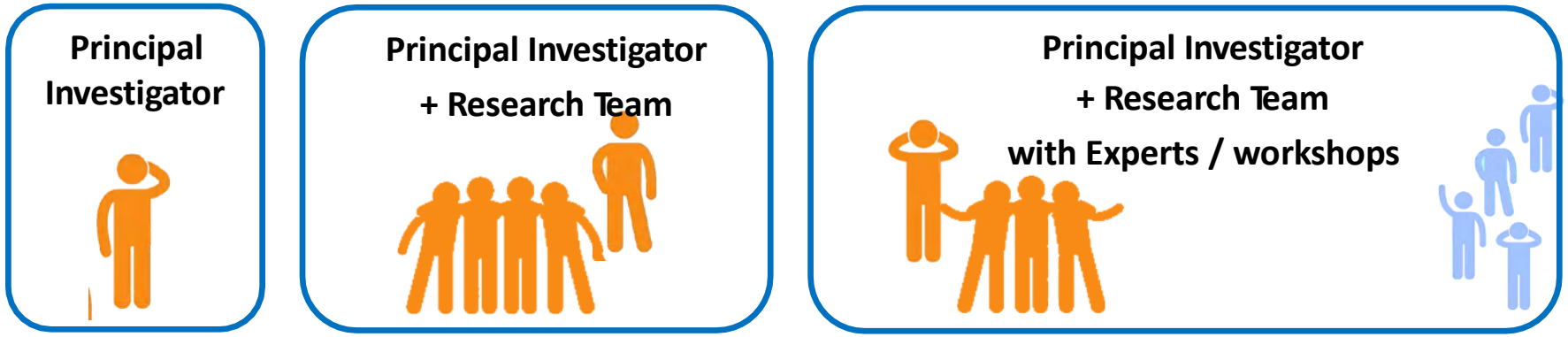
These costs are justified separately in the proposal.

There **is no definition of "equipment" or "facilities"** and all requests will be evaluated by the peer review panel.

Additional funding - examples

	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	• 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 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)	

3. Research Team



- The PI leads the project (<u>there are no other PIs</u> forming a consortium or adding up to the evaluation of the individual profile).
- The PI selects the team members who will participate in this ERC project.

  Team members: Researchers at any level: PhD students, postdocs, technical staff, professional staff (senior staff),...

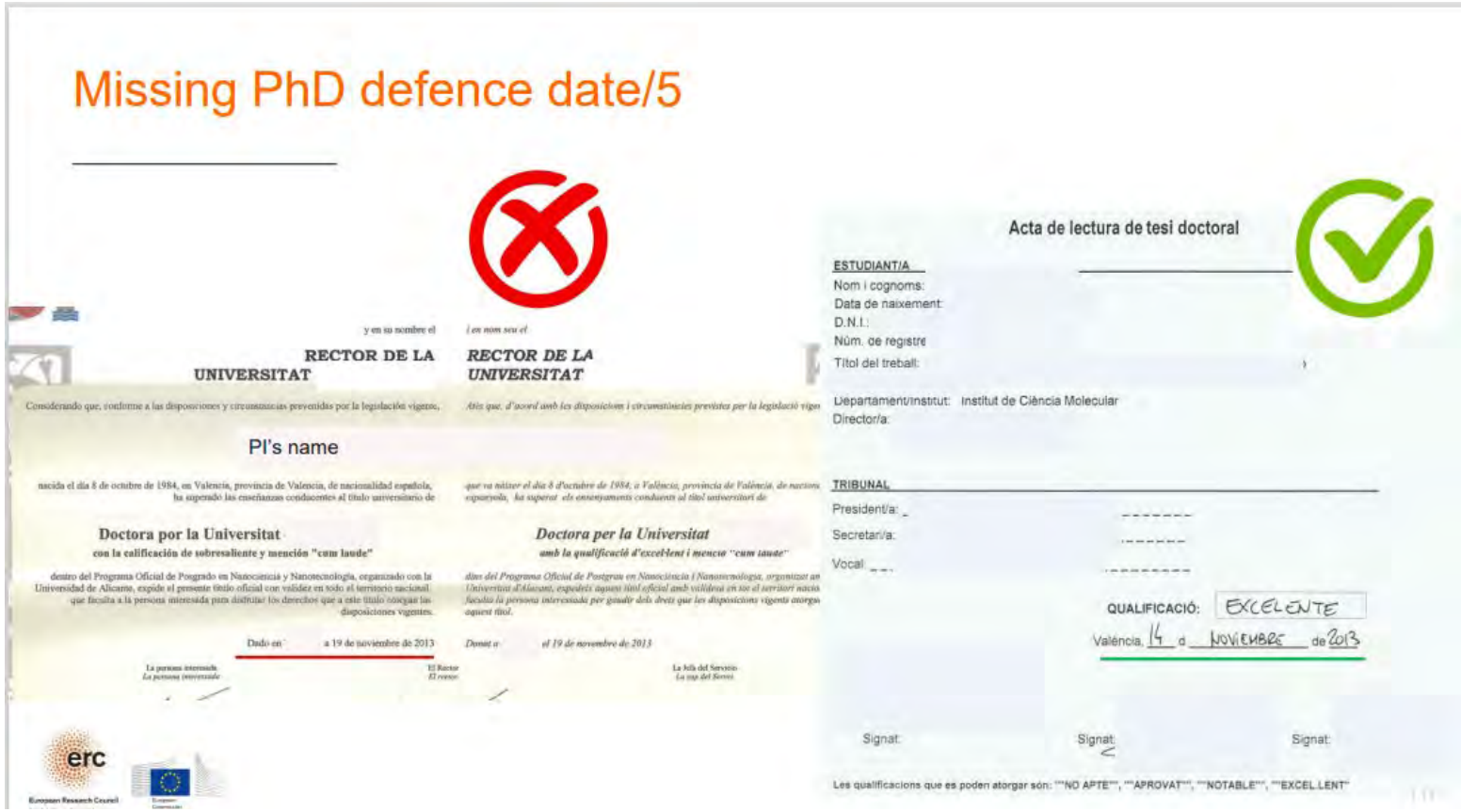
  Required **roles** are defined at proposal level.

  At proposal level, **team members must be assigned to specific tasks/objectives** of the project. Their involvement must be necessary.

Beware of putting together a team of PhD students if you do not have experience in team management/supervision.

4. Principal Investigator

The Principal Investigators shall have successfully defended their first PhD at least 7 and up to 12 years prior to 1 January 2025. **Cut-off dates:** Successful defence of PhD between 1 January 2013 and 31 December 2017 (inclusive)



ERC extensions to the eligibility window

- **Maternity**: 18 months extension for each child born before or after the PhD award. Longer maternity leave may be taken into account.
- **Paternity:** elapsed time of paternity leave taken until the call deadline for each child born before or after the PhD award.
- **Long-term illness** or **national service**: amount of leave taken by the Principal Investigator until the call deadline for each incident which occurred after the PhD award date.
- **Disability**: Extension corresponding to the reduced amount of working time (including leave taken) and/or the degree of disability as documented by the Principal Investigator, before the PhD award date
- **Clinical training:** amount of clinical training received by the PI after the award of the first eligible degree and until the call deadline, up to a maximum of 4 years.
- **seeking asylum:** inability to work before the call deadline and after PhD.
- **being a victim of a mayor disaster:** inability to work before the call deadline and after PhD.

PI Elegibility

- Successful defence of PhD between 1 January 2013 and 31 December 2017 (inclusive).

- For example:

  PhD defence: 1 July 2012 

  Maternity leave: 18 months = 549 days

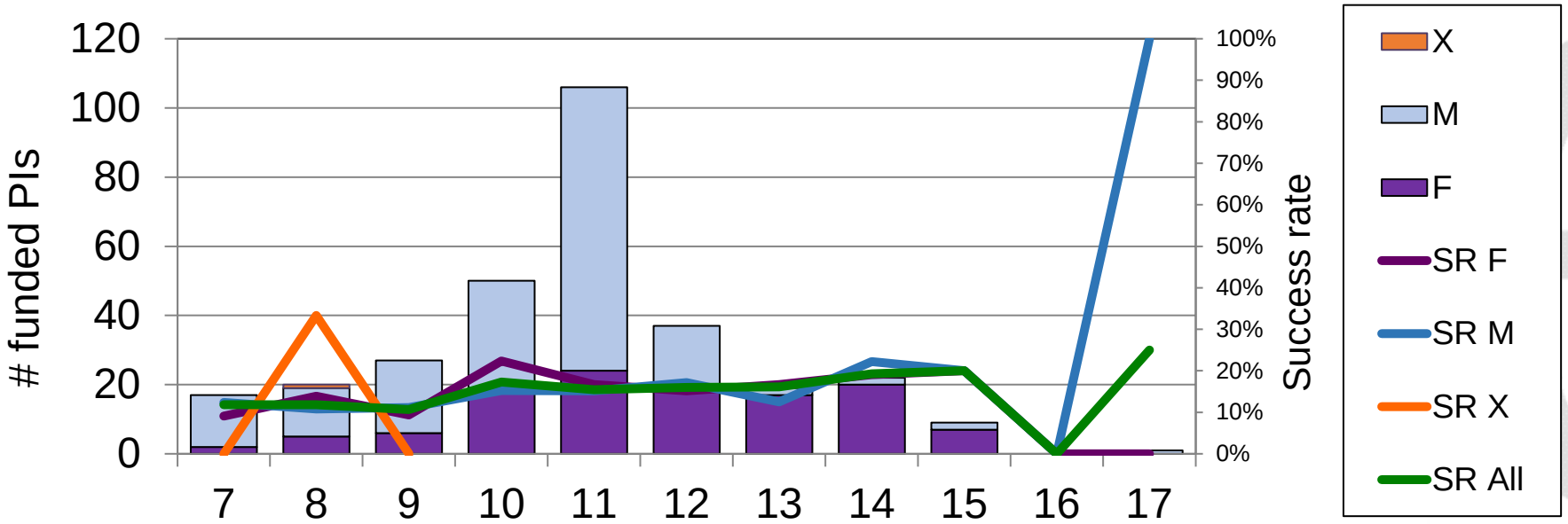
  Extended PhD defence: 1 December 2013 

PI Profile - CoG

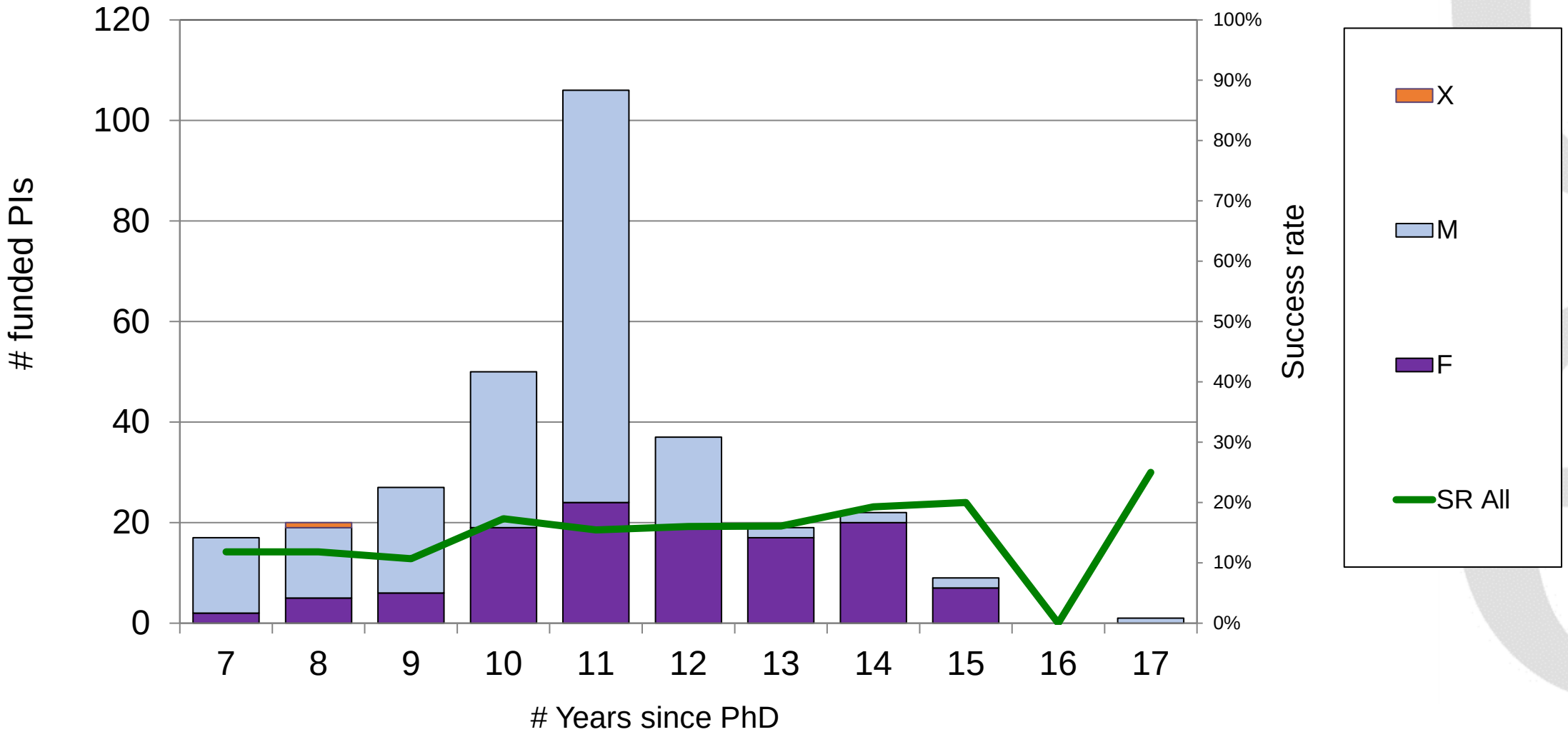
- Support for excellent Principal Investigators at the career stage at which they may still be consolidating their own independent research team or programme.
- Principal Investigators must demonstrate the ground-breaking nature, ambition, and feasibility of their research proposal.
- A Consolidator Grant Principal Investigator should have already shown evidence of research independence.

COG 2023 - Results of step 2

Funded proposals by gender and years since PhD



PI Profile - CoG



Bibliometric profile of grantees

- This study analyses the bibliometric profile of Starting, Consolidator and Advanced grantees of the European Research Council (ERC) calls in 2018, 2019 and 2020.
- The analysis is based on Scopus data in Scival (Elsevier), accessed in August 2021.

FECYT INNOVACIÓN

https://www.fecyt.es/es/tematica/european-research-council-erc

Starting Grants (STG) 2018, 2019 y 2020 - ERC

El umbral Starting Grant de la convocatoria del European Research Council se distribuye en **25 paneles** de evaluación que se engloban en **3 dominios científicos**

Life Science (LS)
Physical Sciences &Engineering (PE)
Social Science & Humanities (SH)

Para analizar los perfiles de estos beneficiarios se han obtenido 3.119 códigos de autor:

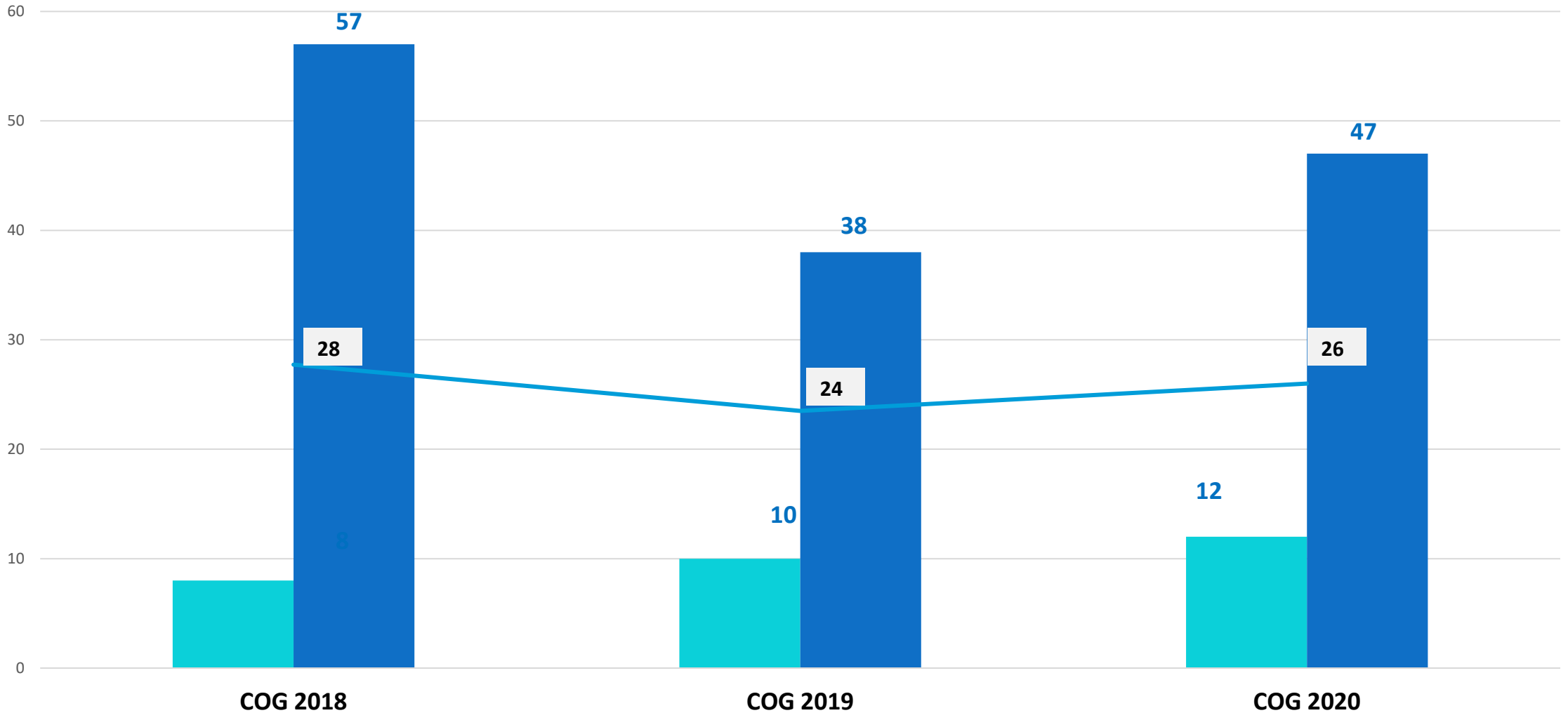
- 1.047 códigos ORCID
- 473 RI de WOS
- **1.249 Author ID de Scopus**
- 350 perfiles de Google Scholar en el ámbito de Ciencias Sociales y Humanidades

El total de beneficiarios STG en los años 2018, 2019 y 2020 fue de **1.250**

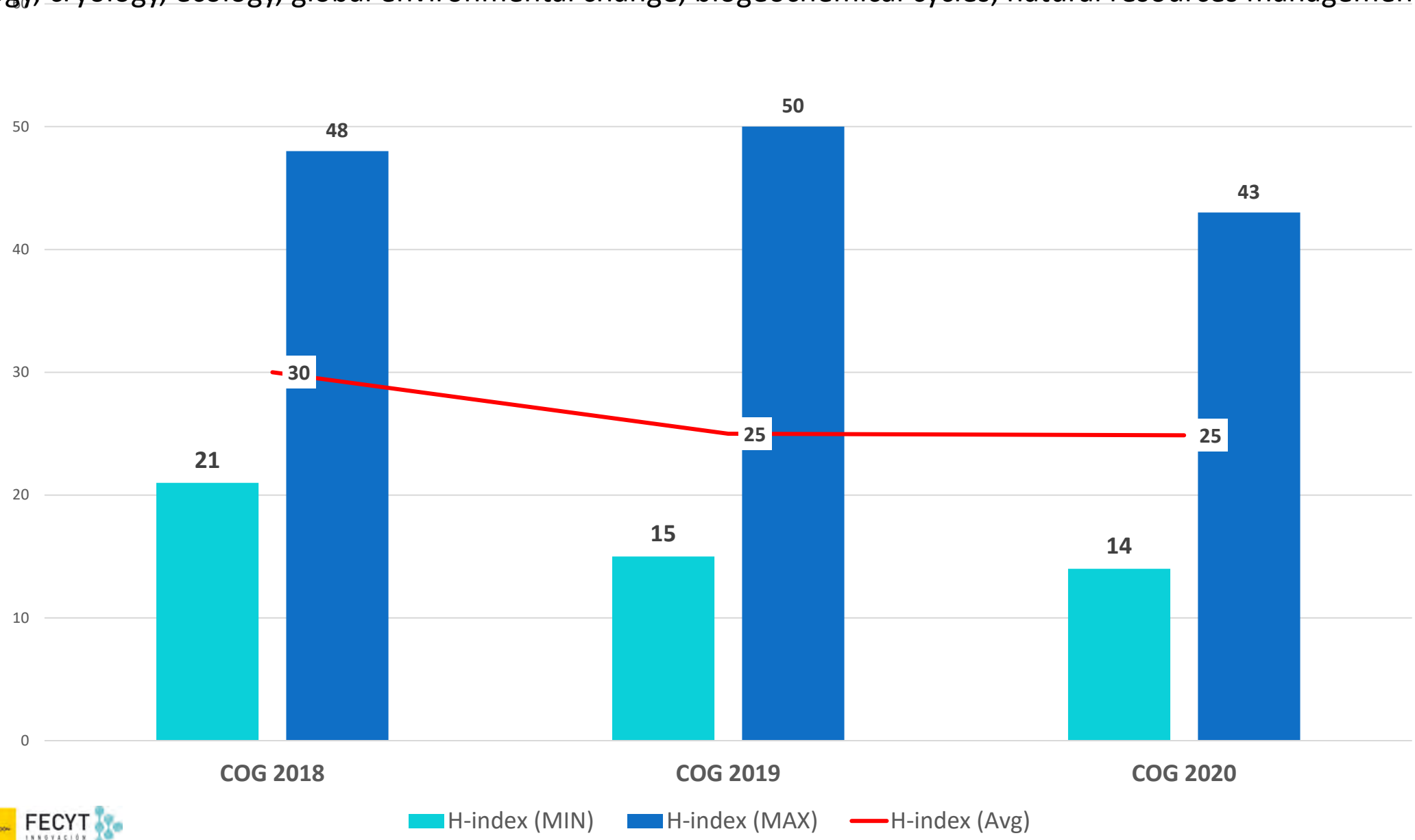
1.230 beneficiarios incluidos en el estudio (20 perfiles sin información)

98,4 %

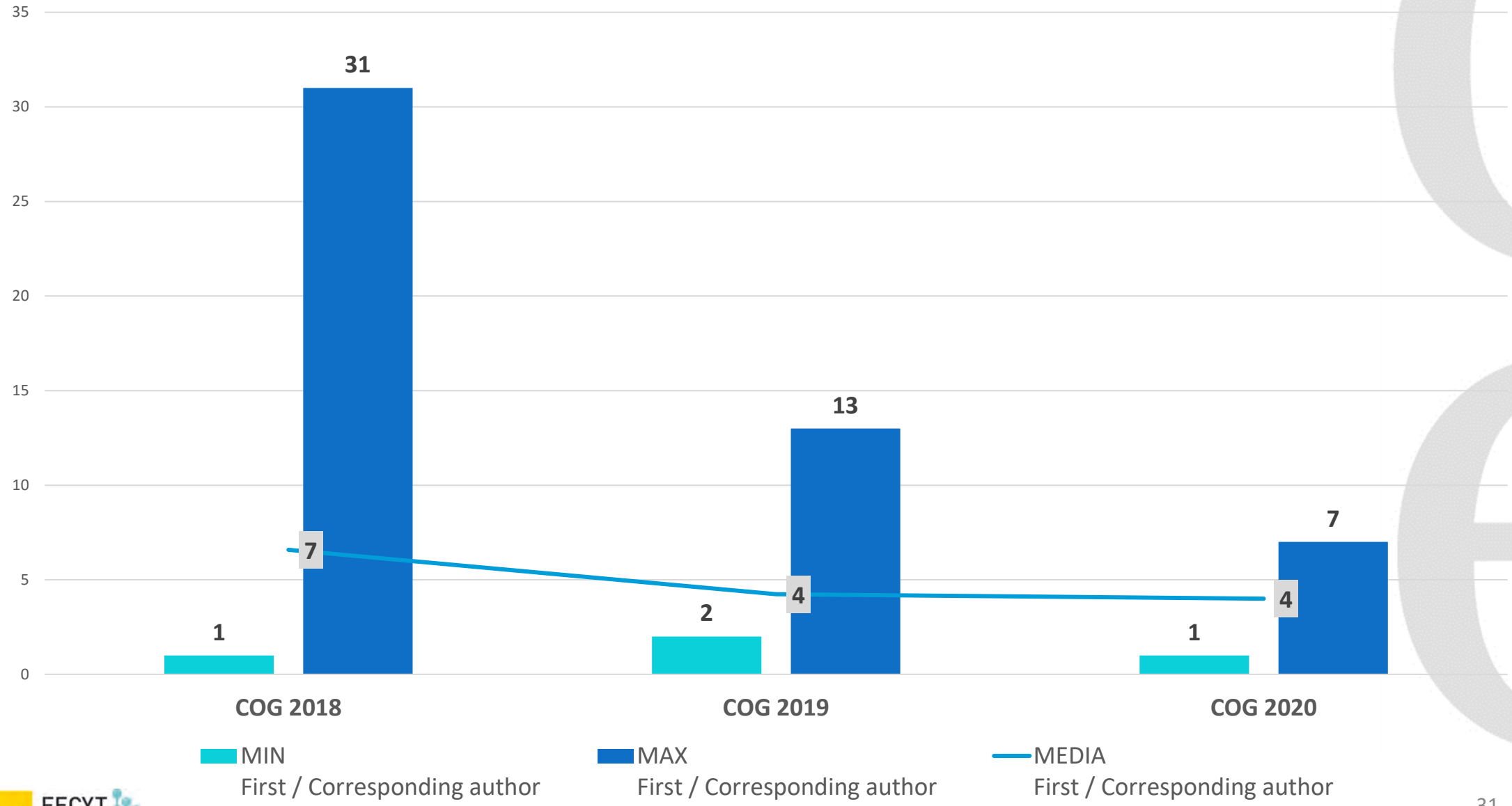
LS4 Physiology in Health, Disease and Ageing: Organ and tissue physiology, comparative physiology, physiology of ageing, pathophysiology, inter-organ and tissue communication, endocrinology, nutrition, metabolism, interaction with the microbiome, non-communicable diseases including cancer (and except disorders of the nervous system and immunity-related diseases)



PE10 Earth System Science: Physical geography, geology, geophysics, atmospheric sciences, oceanography, climatology, cryology, ecology, global environmental change, biogeochemical cycles, natural resources management



SH5 Texts and Concepts: Literary studies, literature, philosophy



EVALUATION CRITERION AND PROCEDURE

Excellence is the sole criterion on the basis of which ERC frontier research grants are awarded

- The ground-breaking nature, ambition, and feasibility of the **research project**.
- The intellectual capacity, creativity, and commitment of the **Principal Investigator(s)**, with a focus on the extent to which the Principal Investigator(s) has the required scientific expertise and capacity to successfully execute the project.

Research Project - Ground-breaking nature, ambition and feasibility

Ground-breaking nature and potential impact of the research project

- To what extent does the proposed research address **important challenges**?
- To what extent are the **objectives ambitious and beyond the state of the art?**

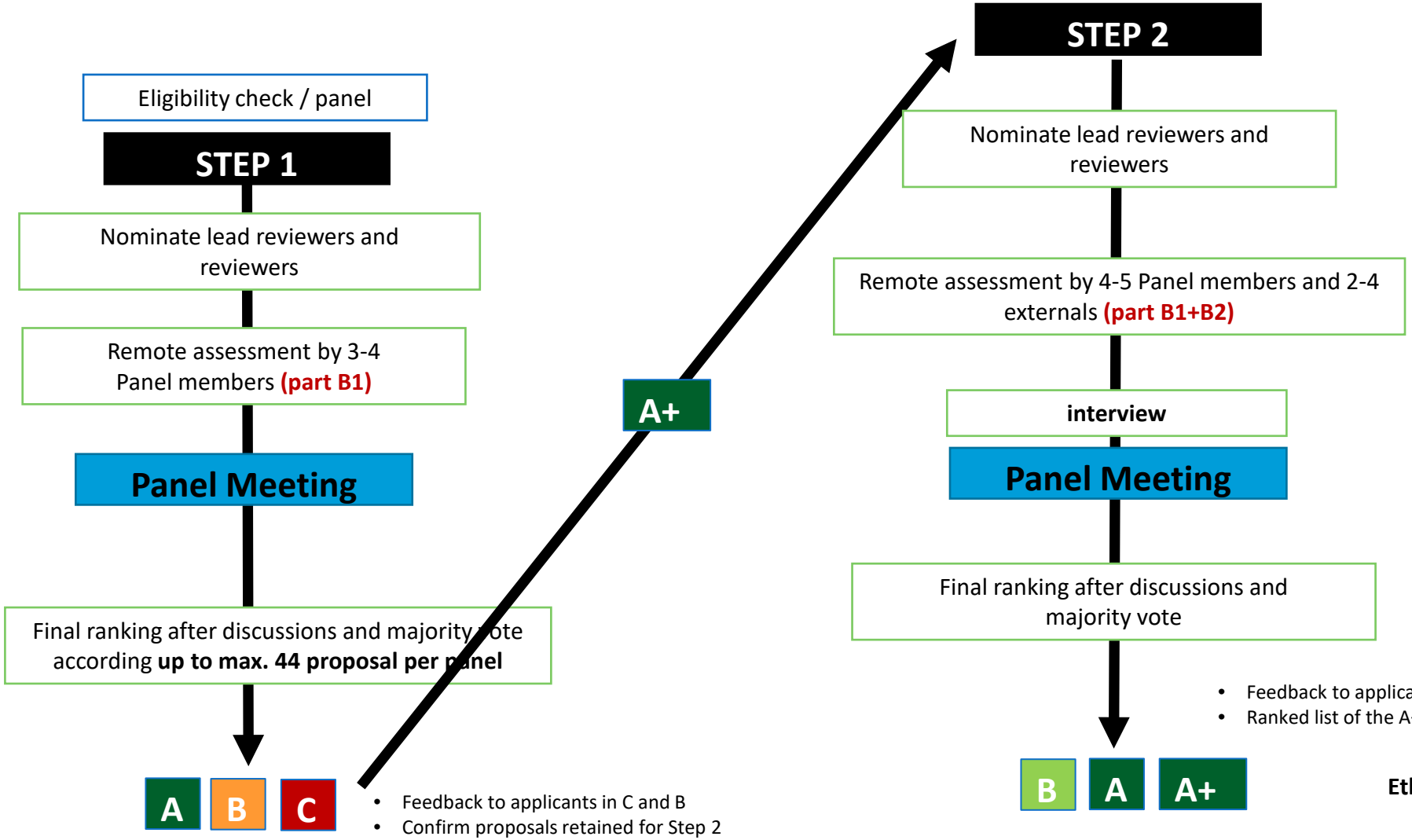
Scientific Approach

- is the outlined **scientific approach feasible** … ground-breaking nature and ambition of the proposed research? *(based on the Extended Synopsis)*
- are the proposed **research methodology and working arrangements** appropriate to achieve the goals of the project? *(based on the research proposal)*
- are the proposed **timescales, resources and PI commitment** adequate and justified? *(based on the research proposal)*

Principal Investigator - Intellectual capacity and creativity

- has the PI demonstrated the **ability to conduct ground-breaking research**?
- does the PI provide evidence of **creative and original thinking**?
- does the PI have the required **scientific expertise and capacity to successfully execute** the project?

ERC 2025 Evaluation process



- Feedback to applicants in C and B
- Confirm proposals retained for Step 2
- Suggest external reviewers for A in Step 2

- Feedback to applicants not ranked, B proposals
- Ranked list of the A+ proposals

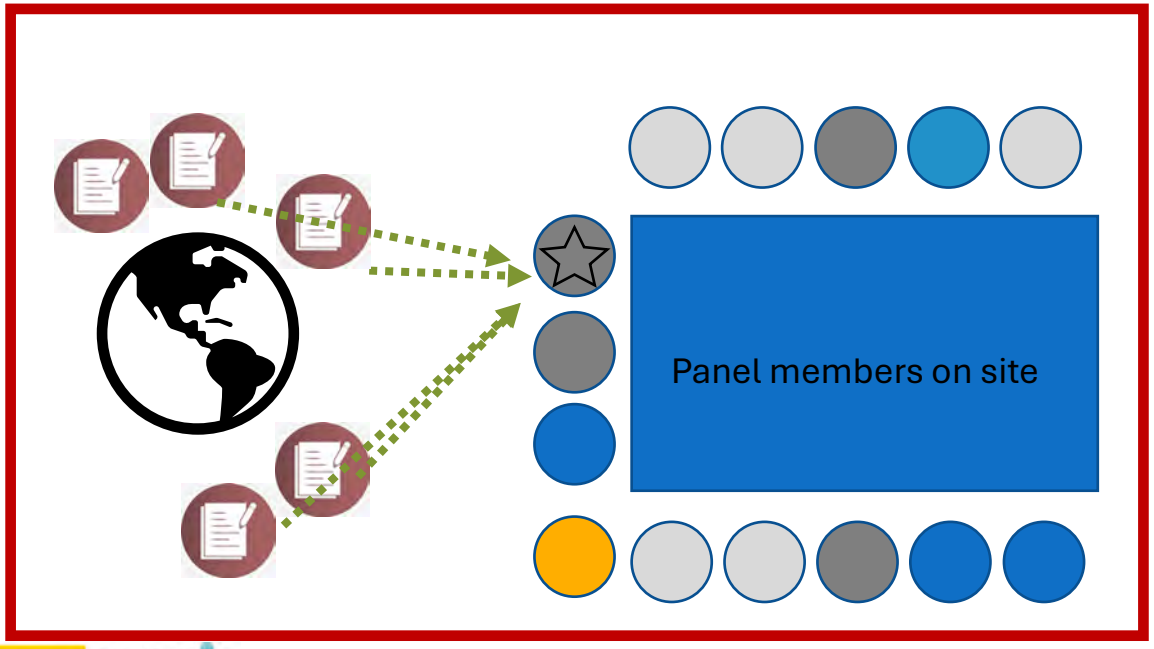
Ethics assessment

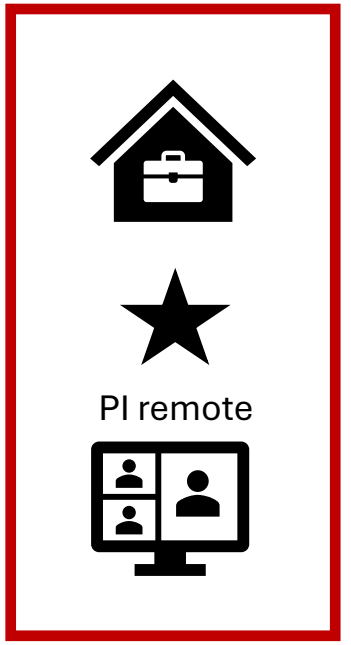
The interview

Presentation (3-10 min.) + Question (15-25min) = 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
- Evaluation Summary Reports from External experts
- Principal Investigator

Proposal Structure

The ERC full proposal = part B1 + part B2 + Part A*

Part B1 - pdf

Cover Page and summary (1p)

Extended Synopsis (5p)

Curriculum vitae +
Track-record (4p)

Evaluated in Step 1

Part B2 - pdf

(14p)

SoA & objectives

Methodology

NOT evaluated in Step 1 (only in Step 2)

Part A – online forms

A1 General Information
A2 Participants
A3 Budget: table + description (8000c)
A4 Ethics and security
A5 Other questions
- % Time commitment
- Excluded Reviewers (up to 3

Annexes

HI support letter
PhD certificate
Ethics and security issues
Template Eligibility Extension

ONE DEADLINE + 2 STEPS EVALUATION PROCESS

The ERC proposal

- Important challenges
- Ambitious objectives, beyond SoA (novel concept and approach or development between or across disciplines)
- Feasibility of outlined scientific approach
- Appropriate methodology and working arrangements to achieve the goals
- Timescales,resources and PI commitment

Intrigue (part B1)
Convince (part B2)
Inspire (Parts B1+B2+ interview)

Form A + Annexes

Part A – online forms

A1 General Information
A2 Participants
A3 Budget: table + description (8000c)
A4 Ethics and security
A5 Other questions
% Time commitment
Excluded Reviewers (up to 3)

Annexes

HI support letter
PhD certificate
Ethics and security issues
Template Eligibility Extension

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:
  - work-life balance and organisational culture;
  - gender balance in leadership and decision-making;
  - gender equality in recruitment and career progression;
  - integration of the gender dimension into research and teaching content;
  - 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

CV & track record (4 pages)

New **CV and Track Record template** (4

Personal details: education, key qualif
position(s) and relevant previous posi

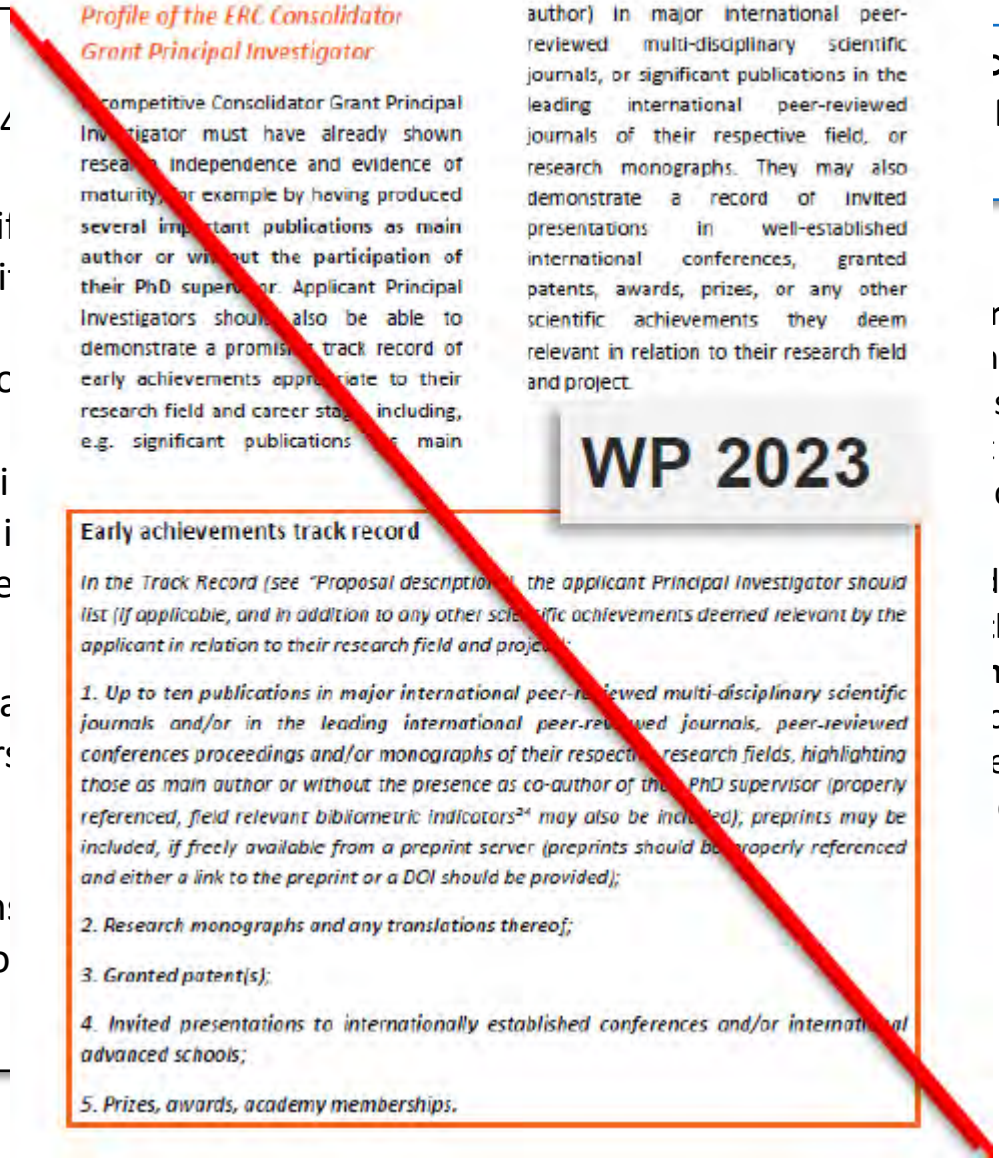
Research achievements (<=10) a list c
outputs:

- demonstrating advancement i
- emphasis on more recent achi
- short narrative on significance

Peer recognition: a list of selected exa
prizes, fellowships, academy member

Additional information:

- career breaks, diverse career path
- other contributions to research co



Profile of the ERC Consolidator Grant Principal Investigator

competitive Consolidator Grant Principal Investigator must have already shown research independence and evidence of maturity, for example by having produced several important publications as main author or without the participation of their PhD supervisor. Applicant Principal Investigators should also be able to demonstrate a promising track record of early achievements appropriate to their research field and career stage, including, e.g. significant publications as main author) in major international peer-reviewed multi-disciplinary scientific journals, or significant publications in the leading international peer-reviewed journals of their respective field, or research monographs. They may also demonstrate a record of invited presentations in well-established international conferences, granted patents, awards, prizes, or any other scientific achievements they deem relevant in relation to their research field and project.

WP 2023

Early achievements track record

In the Track Record (see "Proposal description"), the applicant Principal Investigator should list (if applicable, and in addition to any other scientific achievements deemed relevant by the applicant in relation to their research field and project):

1. Up to ten publications in major international peer-reviewed multi-disciplinary scientific journals and/or in the leading international peer-reviewed journals, peer-reviewed conferences proceedings and/or monographs of their respective research fields, highlighting those as main author or without the presence as co-author of the PhD supervisor (properly referenced, field relevant bibliometric indicators[24] may also be included), preprints may be included, if freely available from a preprint server (preprints should be properly referenced and either a link to the preprint or a DOI should be provided);

2. Research monographs and any translations thereof;

3. Granted patent(s);

4. Invited presentations to internationally established conferences and/or international advanced schools;

5. Prizes, awards, academy memberships.

ch Assessment (DORA)
Reforming Research Assessment

nificance of the selected outputs, the role of the
of them, and how they demonstrate the
sfully carry out their proposed project may be
explanation of the importance of the listed
cognition.

le relevant information on, for example, **career**
hs, as well as any particularly noteworthy
community. These will not in themselves be
provide context to the evaluation panels when
estigator's research achievements and peer
career stage.

ERC Consolidator Grant 2025 – Part B1b - CV & track record (4 pages)

Personal details

- **Personal Information:** declaración de hechos/ actualizar webs
- **Education:** PhD, Master, Licenciatura/ director(a) PhD/ distinciones
- **Current Position(s):** dobles afiliaciones/ posición adecuada para el proyecto
- **Previous Position(s):** si no hay movimientos, destacar los hechos por etapa

POSITION		FUNDING: GRANTS AND FELLOWSHIPS
2013 – 2018	Ramón y Cajal Fellow, Group Leader. ICMol, UV, Spain	**Ramón y Cajal Fellowship** (Spanish government)
2011 – 2013	Research Associate, ICMol, UV, Spain	
2010 – 2011	Marie Curie fellow, ICMol, UV, Spain	**Marie Curie Int. Out. Fellowship**
2008 – 2010	Marie Curie fellow, PITP, UBC, Canada	(CORDIS-FP7)
2007 – 2008†	Postdoctoral fellow, PITP, UBC, Canada	**Postdoctoral Fellowship**, (Spain)
2007†:	Postdoctoral fellow, ICMol, UV, Spain	**Postdoctoral Fellowship**
† : until I resigned to accept the next Fellowship		(Valencian regional government)
2004 – 2007	Research Associate, ICMol, UV, Spain	
2000 – 2004:	Early Stage Researcher, Dept. Inorg. Chem, UV, Spain	Predoctoral Grant (Valencia)
1998 – 1999	Student Collaborator, Dept. Inorg. Chem, UV, Spain	Collaboration Grant, (Spain)

ERC Consolidator Grant 2025 – Part B1b - CV & track record (4 pages)

Personal details

Section b: Curriculum Vitae

PERSONAL INFORMATION

Gaita-Ariño, Alejandro Date of birth: May 26, 1976
Instituto de Ciencia Molecular, Universidad de Valencia (UV)
c/ Catedrático José Beltrán, 2, 46980, Paterna, Spain
Tel:+34 96 354 4421 Fax: +34 96 354 3273

web page: http://www.uv.es/gaita e-mail: alejandro.gaita@uv.es
Researcher ID: D-2110-2014

EDUCATION

2004	PhD in Chemistry	(grade: excellent Cum Laude)	University of Valencia, Spain
	supervisors:	Prof. E. Coronado and Dr. J.M. Clemente-Juan	
1999	Msc in Chemistry	(grade: excellent)	University of Valencia, Spain

POSITION		**FUNDING: GRANTS AND FELLOWSHIPS**
2013 – 2018	Ramón y Cajal Fellow, Group Leader. ICMol, UV, Spain	**Ramón y Cajal Fellowship** (Spanish government)
2011 – 2013	Research Associate, ICMol, UV, Spain	
2010 – 2011	Marie Curie fellow, ICMol, UV, Spain	**Marie Curie Int. Out. Fellowship** (CORDIS-FP7)
2008 – 2010	Marie Curie fellow, PITP, UBC, Canada	
2007 – 2008†	Postdoctoral fellow, PITP, UBC, Canada	**Postdoctoral Fellowship**, (Spain)
2007†:	Postdoctoral fellow, ICMol, UV, Spain	**Postdoctoral Fellowship** (Valencian regional government)
† : until I resigned to accept the next Fellowship		
2004 – 2007	Research Associate, ICMol, UV, Spain	
2000 – 2004:	Early Stage Researcher, Dept. Inorg. Chem, UV, Spain	Predoctoral Grant (Valencia)
1998 – 1999	Student Collaborator, Dept. Inorg. Chem, UV, Spain	Collaboration Grant, (Spain)

RESEARCH INTERESTS

My research interests are in molecular magnetism and quantum computing. I am currently interested in
(1) the theoretical modeling of molecular nanomagnets (in particular rare-earth single-ion magnets),
(2) the rational design of molecular spin qubits and of schemes for implementing quantum gates and
(3) the modeling of the coupling of lattice phonons with molecular excitations.

SUPERVISION OF GRADUATE STUDENTS (2004-2014) and RESEARCH TEAM

Masters + PhD thesis (past): S. Cardona-Serra, M. A. Abdallah Aldamen
Masters + PhD thesis (ongoing): J. J. Baldoví Jachán, L. Escalera Moreno
I currently lead a small research team formed by S.CS (postdoc), JJBJ (PhD) and LEM (Master).

RESEARCH STAYS and MAIN COLLABORATORS

ongoing collaborations with	Prof. D. Loss,	Universität Basel,	CH
	Dr. S. Hill,	National High Magnetic Field Lab.,	US
	Dr. F. Luis,	Universidad de Zaragoza,	ES
	Dr. L. Bogani,	Universität Stuttgart,	DE
	Dr. M. Schechter,	Ben Gurion University,	IL

2013	1 short research stays at Institut für Physik (Basel, CH).	3 weeks
2007-2010	1 postdoctoral stay at Pacific Institute of Theoretical Physics (Vancouver,CA)	3 years
2006	2 research stays at Institut für Physik (Basel, CH).	3 months
1999 – 2005	5 short visits to the Institut Laue Langevin (Grenoble, FR)	2 weeks
2005 – 2006	2 research stays at Université Paul Sabatier (Toulouse, FR)	7 months

CAREER RECORD

33 scientific publications in high-impact peer-reviewed international journals, including:
Nature Nanotechnology[1] (1) Phys. Rev. Lett.[2] (2) Chem. Commun.[3] (2) Chem. Sci. (1)
J. Am. Chem. Soc. (3) Angew. Chem. Int. Ed. (1) Chem. Soc. Rev. (1) Inorg. Chem. (4)
Chem. Eur. J. (3) J. Mater. Chem. (2) Dalton Trans. (2)

n° of citations = 1265 (25% in 2013) ***h*-index = 17** **citations/article = 38**

Corresponding Author (CA) in 6 publications (+4 submitted).
2 publications without my PhD supervisors (+2 submitted).

2 "*hot*" papers (1 as CA) and **4 "*research front*" papers (3 as CA)**, with a total of **5 "highly cited" papers (3 as CA).**[27]

[1] highlighted in a News and Views ; [2] 1 PRL Editors' Suggestion ; [3] 1 "referee-recommended"

FUNDING: PROJECTS

I participated in 20 R+D+I projects funded in competitive tenders by public or private bodies.
Highlighted projects in the past 5 years (budget for the UV node):

	coordinator		
STREP Project no. 211284 "Molecular Spin Clusters for Quantum Information Processes", ICT-2007.8.0	M. Affronte	240 k€	2008 – 2011
Consolider-Ingenio CSD2007-00010 "Molecular Nanoscience"	E. Coronado	2200 k€	2007 – 2013
Collaborative project FP7-270369, "Electric Field Control Over Spin Molecules"	H. van der Zant	450 k€	2011 – 2013
ERC Advanced Grant FP7-ERC-247384 "Magnetic Molecules and Hybrid Materials for Molecular Spintronics"	E. Coronado	1679 k€	2010 – 2015
COST Action CM1203 "Polyoxometalate Chemistry for Molecular Nanoscience"	J. Errington	100 k€	2012 – 2016
MAT2011-22785 "Del magnetismo molecular a la espintrónica molecular"	E. Coronado	600 k€	2012 – 2014
MAT2007-61584 "Materiales moleculares para el magnetismo y la electronica molecular: del diseño, estudio y procesado de nuevos materiales al desarrollo de aplicaciones"	E. Coronado	1244 k€	2007 – 2014
Nanomagnetismo Molecular: del diseño de moléculas magnéticas a la fabricación de dispositivos espintrónicos PROMETEOII/ 2013/006	E. Coronado	500 k€	2013 – 2016
PIOF-GA-2008-219514 "Decoherence in magnetic molecules as qubits"	**A. Gaita**	220 k€	2008 – 2011
Ramón y Cajal project RYC-2012-11908	**A. Gaita**	210 k€	2013 – 2018
Marie Curie Network SEP-210163218 "Anisotropy in Molecular Compounds of Rare Earths and Uranium" *node coordinator:*	R. Winpenny ***A. Gaita***	400 k€	(evaluation stage)

CONTRIBUTIONS TO CONFERENCES

40 contributions to conferences, including 6 contributed oral talks and 7 invited talks:
2014: "10th International Workshop on Nanomagnetism and Superconductivity at the Nanoscale"
2013: American Physical Society March Meeting
2012: 62nd Fujihara Seminar "Frontiers and Perspectives in Molecule-Based Quantum Magnets"
2012: Symposium "Frontiers in Metal-Oxide Cluster Science"
2011: Israel Physical Society Conference
2010: International Chemical Congress of Pacific Basin Societies
2008: European Materials Research Society Spring Meeting

JOURNAL REFEREEING

I am presently reviewer for the American Chemical Society (*Inorganic Chemistry*), the Royal Society of Chemistry (*Physical Chemistry Chemical Physics*) and Elsevier (*Chemical Physics Letters*).

OTHERS: LANGUAGE PROFICIENCY + OUTREACH

ILR5: Spanish ILR4: English ILR3: Catalan ILR2: German, French, Esperanto
I have written one scientific outreach article in the general press and 2 upper <0.5% Wikipedia articles.
I am responsible of a science blog associated with a monthly publication.

27 Source: Essential Science Indicators of the Web of Knowledge

https://www.uv.es/gaita/decresim.html

ERC Consolidator Grant 2025 – Part B1b - CV & track record (4 pages)

Research achievements (<=10)

- **Publications (some Selected Publications)**
- **Research monographs / Books (w. translations)**
- **Funding: Projects:** los pasados. Los actuales en sección Funding ID
- **Outreach – Press – Media**
- **Patents**
- **Documentaries/audiovisual productions**
- **Archaeological campaigns**
- **Research Expeditions:** no son field works/ larga duración/lideradas o participadas
- **Industrial/Architectural Designs**
- **Innovation leadership:** para aquellos campos que tenga una relación directa entre el estudio y la aplicabilidad en el mundo real
- **Contributions to regulations/normatives**

Disclamer: This list was compiled by the Spanish NCPs. It is therefore not a direct source for the ERC.

ERC Consolidator Grant 2025 – Part B1b - CV & track record (4 pages)

Research achievements (<=10)

- **Publications (some Selected Publications)**
- **Research monographs / Books (w. translations)**
- **Funding: Projects**
- **Outreach – Press**
- **Patents**
- **Documentaries/a**
- **Archaeological c**
- **Research Expedi**
  participadas
- **Industrial/Archit**
- **Innovation leade**
  entre el estudio y la aplicabilidad en el mundo real
- **Contributions to regulations/normatives**

"field-relevant bibliometric indicators may also be included".

✓ Only if they add value to your introduction as a researcher.

✓ Only use indicators that are relevant to your field.

✓ If the H-index is not relevant to the field, don't use it. If there is a better alternative, use it. If not, don't mention any indicators at all.

Disclamer: This list was compiled by the Spanish NCPs. It is therefore not a direct source for the ERC.

ERC Consolidator Grant 2025 – Part B1b - CV & track record (4 pages)

Research achievements (<=10)

short narrative on achievements

Selected publications in leading peer-reviewed journals and selected book chapters

Journal rank quartile from ISI Web-of-Science Journal Citation Reports if available; in all other cases, journal category from European Science Foundation ERIH Initial List: Linguistics (2007)

M. **Baroni** and A. Lenci. To appear. Distributional Memory: A general framework for corpus-based semantics. *Computational Linguistics*. Journal ranked in Q1 of *Linguistics* and *Computer Science, Interdisciplinary Applications*. Citations: 1. Here and in the Cognitive Science paper below, I introduce a new corpus-based semantic model of word meaning that adapts flexibly to multiple semantic tasks and shares interesting properties with human semantic cognition. The model and its extensive evaluation work reported in these articles will constitute starting points for COMPOSES model and evaluation.

G. Kremer and M. **Baroni**. To appear. A set of semantic norms for German and Italian. *Behavior Research Methods*. Journal ranked in Q1 of *Psychology, experimental* and *Psychology, mathematical*. Citations: 0.

M. **Baroni**, B. Murphy, E. Barbu and M. Poesio. 2010. Strudel: A corpus-based semantic model based on properties and types. *Cognitive Science* 34 (2): 222-254. Journal ranked in Q1 of *Psychology, experimental*. Citations: 9.

Pirrelli, E. Guevara and M. **Baroni**. 2010. Computational issues in compound parsing. In S. Scalise and I. Vogel (eds.), *Cross-disciplinary issues in compounding*, Amsterdam: Benjamins: 271-286. Citations: 0.

Baroni, S. Bernardini, A. Ferraresi and E. Zanchetta. 2009. The WaCky Wide Web: A collection of very large linguistically processed Web-crawled corpora. *Journal of Language Resources and Evaluation* 43 (3): 209-226. ERIH B category (formerly *Computers and the Humanities*, ERIH A category). Citations: 28. The corpus construction and annotation work described here has recently been extended with a full dependency parse of the English corpus and of the English Wikipedia. The resulting enlarged corpus will constitute the main data source of COMPOSES.

Baroni, E. Guevara and R. Zamparelli. 2009. The dual nature of deverbal nominal constructions: Evidence from acceptability ratings and corpus analysis. *Corpus Linguistics and Linguistic Theory* 5 (1): 27-60. ERIH C category. Citations: 1. We study a linguistic problem by combining corpus data, Web-collected graded linguistic judgments and advanced statistical analysis (mixed effect linear models). We will apply similar elicitation and analysis techniques in COMPOSES.

http://marcobaroni.org/composes/composes_ERC_2011_StG_PartB1.pdf

SELECTED ACHIEVEMENTS

Front-page feature on international migration in *The New York Times* based on my PhD research (2007)

Award of largest-ever project grant in the welfare research area of the Research Council of Norway (2010)

Co-editing the 50th Anniversary Issue of the *International Migration Review*, the most prominent journal in my field (2014)

Discovery of 'scripts' as a conceptual tool for making sense of the social dynamics of remittances (2014)

Invitation to serve as expert panellist on migrant smuggling, United Nations, Vienna (2017)

https://jorgencarling.files.wordpress.com/2019/10/carling-erc-cv-and-track-record.pdf

ERC Consolidator Grant 2025 – Part B1b - CV & track record (4 pages)

Research achievements (<=10)

short narrative on achievements

Section c. Early achievements track record

PUBLICATIONS

According to Google Scholar, I have over 165 citations and an h-index of 6. Here is a selection of over 30 academic publications):

Books:

I have published 2 books and co-edited 2 volumes (the last one, currently under contract and under review, is to appear in 2020 with Springer's *Synthese Library* and brings together analytic philosophy with history of science, a highly risky, innovative, and fun endeavour). I have also co-edited 2 special issues. Here is a selection of the books:

1. *Engineers and the Making of the Francoist Regime* (Cambridge, Mass.: The MIT Press, 2014).

The **MIT Press, is the leading history of technology publisher**. The book has been **cited over 65** times and received 10 academic reviews, becoming a landmark in the history of science and technology in Spain, as well as a reference for studies on technoscience and fascism, political economy, and state building. I wrote an extended version for a Spanish audience which, with **two editions of more than a thousand copies each**, it has reached an audience well beyond historians of science and technology, leading to several interviews and reviews major Spanish media. Academicall, it has triggered important academic debates within the field of Spanish history and was **awarded the ICOHTEC's 2018 book prize**.

2. co-edited with David Pretel, *Technology and Glonalisation: Networks of Experts in World History* (Palgrave MacMillan, Economic History Series, 2018). It brings together leading scholars from **history of technology and history of political economy** in an engaging conversation on **world history**, which we discuss in our historiographic introduction. Palgrave's Economic History Series is very prestigious in the field.

3. Lino Camprubí, Xavier Roqué, and Sáez de Adana, *De la Guerra Fría al calentamiento global: Estados Unidos, España y el nuevo orden científico mundial* (Madrid: La Catarata). This book, prepared in

https://www.academia.edu/49122878/B1_ERC_CoG_DEEPMED_Discovering_the_Deep_Mediterranean_Environment_A_History_of_Science_and_Strategy_1860_2020_

ERC Consolidator Grant 2025 – Part B1b - CV & track record (4 pages)

Research achievements (<=10)

diversity of achievements

COMPUTATIONAL LINGUISTICS RESOURCES

More information: http://gboleda.utcompling.com/resources.

Corpora	**Leader**, Wikicorpus: Freely available Wikipedia-based trilingual corpus (Catalan, Spanish, English), automatically annotated, over 750 million words.
	Coordinator, CUCWEB: 166-million word Web corpus for Catalan, automatically annotated.
Tools	Collaborating researcher, POS-Tagger for Old Spanish. Freely available as part of the open source suite of language analyzers FreeLing.
	Collaborating researcher, CatCG: Tagger and shallow parser for Catalan.
Datasets	**Leader**, four freely available (CC BY-SA) semantic datasets on adjective semantics and regular polysemy.
	Collaborating researcher in a fifth dataset on the semantics of color terms.

https://gboleda.github.io/proposals/B1-AMORE-ERC_StG_2016-def.pdf

Selected publicly available tools and resources

- **WaCky** (with Silvia Bernardini and others): huge linguistically annotated corpora for multiple languages
- **DM** (with Alessandro Lenci): precompiled corpus-based semantic model and utilities
- **Semantic norms** for German and Italian (with Gerhard Kremer)
- **zipfR** (with Stefan Evert): a toolkit for lexical statistics in R
- **BootCaT** (with Silvia Bernardini): a toolkit for bootstrapping corpora and terms from the Web
- **Morph-it!** (with Eros Zanchetta): a free Italian morphological lexicon
- **La Repubblica corpus** (with Silvia Bernardini and others): a large corpus of Italian newspaper text

http://marcobaroni.org/composes/composes_ERC_2011_StG_PartB1.pdf

ERC Consolidator Grant 2025 – Part B1b - CV & track record (4 pages)

Research achievements (<=10)

significance of achievements

Section c: Ten years track-record

Publication profile

Publications with ≥100 Google Scholar citations (since September 2010): 17

10 significant publications since Sept. 2010 (GS citation counts in parenthesis, retrieved on July 22nd 2020):

M. Baroni and A. Lenci. 2010. Distributional Memory: A general framework for corpus-based semantics. *Computational Linguistics* 36(4), **2020 10-year ACL test-of-time award** (700). **Significance:** *Early work on general-purpose induction of distributed linguistic representations from data, also establishing the methodology of wide-range linguistic probing of the knowledge encoded in such representations.*

M. Baroni and R. Zamparelli. 2010. Nouns are vectors, adjectives are matrices: Representing adjective-noun constructions in semantic space. *Proceedings of EMNLP*, **2020 10-year ACL test-of-time award nomination** (497). **Significance:** *Early work on compositionally deriving distributed representations of phrases, anticipating deep learning models developed for the same purpose.*

E. Bruni, N. Tran and **M. Baroni**. 2014. Multimodal distributional semantics. *Journal of Artificial Intelligence Research* 49, **2017 IJCAI-JAIR best paper prize for the preceding 5 years** (644). **Significance:** *The pioneering work of my team on learning multimodal concept representations from visual and textual data is summarized in this article.*

M. Baroni, G. Dinu and G. Kruszewski. 2014 Don't count, predict! A systematic comparison of context-counting vs. context-predicting semantic vectors. *Proceedings of ACL* (1322). **Significance:** *This was one of the first papers demonstrating the power of new-generation neural-network-based word embeddings, proposing several tests that became standard in the community.*

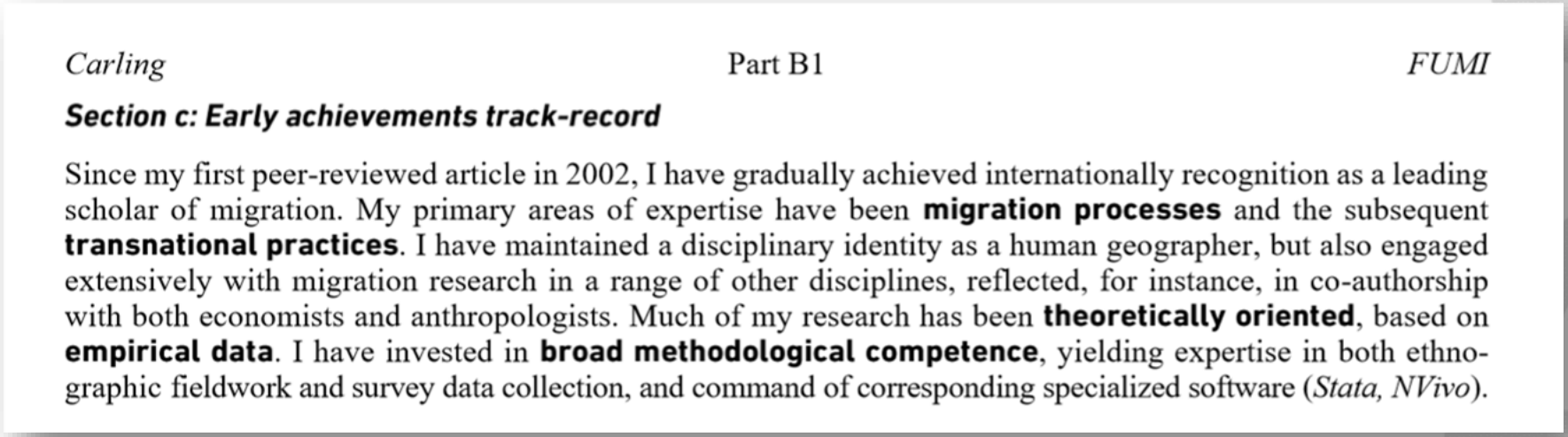
T. Mikolov, A. Joulin and **M. Baroni**. 2016. A roadmap towards machine intelligence. *Proceedings of CICLing* (90). **Significance:** *An extended "vision" paper on the central role of communication for flexible AI.*

https://marcobaroni.org/alien/ALIEN-ERC_AdG_2020_B1.pdf

ERC Consolidator Grant 2025 – Part B1b - CV & track record (4 pages)

Research achievements (<=10)

Personal Statement



Carling Part B1 *FUMI*

Section c: Early achievements track-record

Since my first peer-reviewed article in 2002, I have gradually achieved internationally recognition as a leading scholar of migration. My primary areas of expertise have been **migration processes** and the subsequent **transnational practices**. I have maintained a disciplinary identity as a human geographer, but also engaged extensively with migration research in a range of other disciplines, reflected, for instance, in co-authorship with both economists and anthropologists. Much of my research has been **theoretically oriented**, based on **empirical data**. I have invested in **broad methodological competence**, yielding expertise in both ethnographic fieldwork and survey data collection, and command of corresponding specialized software (*Stata, NVivo*).

Fuente: Pathways to an ERC Grant: Learning from Success and Failure . Jørgen Carling. Peace Research Institute Oslo (PRIO)
https://jorgencarling.files.wordpress.com/2019/10/carling-erc-cv-and-track-record.pdf

ERC Consolidator Grant 2025 – Part B1b - CV & track record (4 pages)

Research achievements (<=10)

The particularities of your field research

Top ten publications in the last ten years

Note: In my field, the top conferences are ACM CHI and ACM UIST. Publication in these conferences is considered as prestigious as in the top journals in the field (ACM TOCHI, IJHCS). I work collaboratively with students and colleagues. As the most senior researcher, my name is usually last in the list of authors. However I only co-sign papers for which I have substantially contributed to both the work and the writing.

My application in **2014**

The followings are five selected papers. …

Improvement in **2016**

In theoretical computer science, the most important venues of publications are conferences and not journals. STOC and FOCS are widely recognized as the most prestigious conferences in the field worldwide. I have published X papers in FOCS and STOC …

The followings are five selected papers. …

ERC Consolidator Grant 2025 – Part B1b - CV & track record (4 pages)

Peer recognition

- **Fellowships & Awards:** también las rechazadas
- **Supervision of Students:** capacidad de gestionar un equipo y de crear escuela
- **Teaching Activities (if Applic):** relac. temática del proyecto/distinguir nivel
- **Organis. Scientific Meetings:** muestra liderazgo
- **Institutional Responsibilities:** muestra capacidad de gestión/administrativa
- **Reviewing Activities:** regular reviewer/editorial boards…
- **Memberships Scientific Societies**
- **Major Collaborations:** con nombres e institución/ consorcios, co-autores…
- **Commissions of Trust:** experto del Plan Nacional, de COST Actions…
- **Invited presentations to internationally established conferences and/or international advanced schools:** Key note speaker/participadas/conf. relevantes en tu campo

- ***Not exhaustive list***

ERC Consolidator Grant 2025 – Part B1b - CV & track record (4 pages)

Peer recognition

short explanation of the importance of the listed examples of significant peer recognition.

Scientific community activity

- **Referee** for peer-reviewed journal: Physical Review Letters, Angewandte Chem., Advanced Materials, Advanced Functional Materials, Biomaterials, Journal of Materials Research, Materials Research Bulletin, Surface and Coatings Technology, Composites Part A, Crystal Growth and Design, Journal of the American Ceramic Society, Chemical Engineering Journal, International Journal of Applied Ceramic Technology, Biomedical Materials, International Journal of Materials Research, Polymer, Ceramics International, Biomacromolecules, Journal of the Royal Society Interface, Journal of Microscopy, Journal of Chemical Technology & Biotechnology, Acta Materiala, Journal of the European Ceramic Society
- **Contributing editor** for the Journal of the American Ceramic Society
- **Referee** for the French National Research Agency (ANR, 2008 and 2009), NSF career program (2010)
- **Advisory board** for ECERS 2009 and CIMTEC 2011
- **Initiator and co-organizer** of the 1st International and Multidisciplinary Workshop on the Solidification of Colloidal Suspensions (2010, Avignon, France). Co-organized by the CNRS, Saint-Gobain and the University of Oxford

https://figshare.com/articles/journal_contribution/My_successful_ERC_Starting_Grant_Proposal/7110767

Other activities

- **Workshop (co-)organization**: GEMS 2010 (submitted), ESSLI 2008 Distributional Lexical Semantics (Hamburg), Contextual Information in Semantic Space Models at Context 2007 (Roskilde), Web as Corpus 1 (2005, Forlì), 2 (2005, Birmingham) and 3 (2006, Trento)
- The Italian part-of-speech tagger developed by my team was ranked second best in the **EVALITA 2007 evaluation campaign**
- Co-organized the first **CLEANEVAL shared task** for Web page cleaning (2007)
- Co-founder and secretary of the **Special Interest Group** of the Association for Computational Linguistics (ACL) **on Web as Corpus**
- **ESSLLI 2006 course** instructor (with Stefan Evert): Counting words: an introduction to lexical statistics (Malaga)
- I maintain, with Stefan Evert, **SIGIL**, an **online introduction to statistics for linguists**
- In **program committee** of more than 10 international conferences (including ACL, EACL, COLING, IWCS, EMNLP – best reviewer award at EMNLP 2010) and more than 15 international workshops
- **Reviewer** for more than 15 **journals** (including Natural Language Engineering, IEEE Intelligent Systems, Language Resources and Evaluation Journal, Cognitive Linguistics, Europhysics Letters, Artificial Intelligence Journal, Morphology and the Journal of the Acoustical Society of America) and 2 **books**
- **Reviewer** for several **funding agencies**, including the US National Science Foundation and the UK Economic and Social Research Council

http://marcobaroni.org/composes/composes_ERC_2011_StG_PartB1.pdf

ERC Consolidator Grant 2025 – Part B1b - CV & track record (4 pages)

Additional information

Additional information:

- career breaks, diverse career paths, life events
- other contributions to research community

The applicant may also include relevant information on, for example, **career breaks, unusual career paths, as well as any particularly noteworthy contributions to the research community.**

These will not in themselves be evaluated but are important to provide context to the evaluation panels when assessing the principal investigator's research achievements and peer recognition in relation to their career stage.

Evaluation panels

28 panels divided into 3 domains. Each panel covers a number of research topics, detailed with their descriptors.

Physical Sciences and Engineering (PE)	Life Sciences (LS)	Social Sciences and Humanities (SH)
11 paneles	*9 paneles*	*8 paneles*

When you submit, you need to indicate:

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

Secondary ERC Review Panel: *if applicable*

Please select, if applicable, the ERC keyword(s) that best characterise the subject of your proposal in order of priority.

ERC Keyword 1: As first keyword, choose one which is 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

Evaluation: Panel Structure

Physical Sciences & Engineering

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

PE6 Computer Science and Informatics

Theoretical and experimental computer science, information processing, intelligent systems

PE6_1 Computer architecture, high-performance computing, real-time and embedded systems
PE6_2 Operating and distributed systems, computer networks and performance evaluation, mobile computing
PE6_3 Software engineering, programming languages
PE6_4 Theory of computation, semantics of computation, formal methods
PE6_5 Algorithms, complexity theory, algorithmic game theory and computational economics
PE6_6 Security, privacy, cryptology
PE6_7 Databases, web and information systems, information retrieval
PE6_8 Artificial intelligence, autonomous agents, knowledge representation
PE6_9 Machine learning, statistical data processing, computing with artificial neural networks
PE6_10 Natural language processing, large language and other foundation models
PE6_11 Computer vision, computer graphics, visualization
PE6_12 Human computer interaction, multimedia and virtual reality, computer games
PE6_13 Numerical and scientific computing, computational modelling and simulation methods, bioinformatics
PE6_14 New computational paradigms, quantum computing, bio-inspired computing

Evaluation: Panel Structure

Life Sciences

- LS1 Molecules of Life: Biological Mechanisms, Structures and Functions
- LS2 Integrative Biology: From Genes and Genomes to Systems
- LS3 Cell Biology, Development, Stem Cells and Regeneration
- 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

LS6 Immunity, Infection and Immunotherapy

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

LS6_1 Innate immunity

LS6_2 Adaptive immunity

LS6_3 Regulation of the immune response

LS6_4 Immune-related diseases

LS6_5 Biology of pathogens (e.g. bacteria, viruses, parasites, fungi)

LS6_6 Infectious diseases

LS6_7 Mechanisms of infection

LS6_8 Biological basis of prevention and treatment of infection

LS6_9 Antimicrobials, antimicrobial resistance

LS6_10 Vaccine development

LS6_11 Innovative immunological tools and approaches, including therapies

Evaluation: Panel Structure

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 and Cultural Production
- SH6 The Study of the Human Past
- SH7 Human Mobility, Environment, and Space
- SH8 Studies of Cultures and Arts

SH8 Studies of Cultures and Arts

Social anthropology, studies of cultures, studies of arts

SH8_1 Kinship; diversity and identities, gender, interethnic relations

SH8_2 Religious studies, ritual; symbolic representation

SH8_3 Cultural studies and theory, cultural identities and memories, cultural heritage

SH8_4 Museums, exhibitions, conservation and restoration

SH8_5 History of art and of architecture

SH5_6 Architecture, design, craft, creative industries

SH8_7 Music and musicology; history of music

SH8_8 Visual and performing arts, screen, arts-based research

SH8_9 Digital approaches to anthropology, cultural studies and art

Panel Members

Each of the 28 panels is composed by 12-18 panel members.

More than 450 panel members per call and year!

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

The full list of **panel members** and **remote referees** will be published once the call is resolved.

A panel may not include an expert in your discipline , they are semi-generalists , **but**!
ERC can establish collaborations between panels…

The members of ERC panels alternate to allow panel members to apply to the ERC calls in alternate years.

Panel Chairs ERC-2024-Consolidator Grant. Social Sciences and Humanities

- SH1 - Prof. Jan Eeckhout
- SH2 - Prof. Markus Lederer
- SH3 - Prof. Stefan Stürmer
- SH4 - Prof. Lydia Krabbendam
- SH5 - Prof. Ingela Nilsson
- SH6 - Prof. On Barak
- SH7 - Prof. Alun Jones
- SH8 - Prof. Mara Benadusi

LS7 Prevention, Diagnosis and Treatment of Human Diseases

- 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** ← Your proposal
- 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

Liesbet Geris (Panel Chair)

Janne Backman

Ari Barzilai

Maria Blanco-Prieto ← Lead reviewer

Maria Blettner

Teun Bousema

Micha Drukker ← Reviewer

Alejandro Frangi

Alessia Gimelli

Václav Hořejší

Jorgen Kjems ← Reviewer

Ian Law

Evi Lianidou

Craig Morgan

Annette Paschen ← Reviewer

Mickael Tanter

Martine Vrijheid

Serena Zacchigna

SOME FACTS AND FIGURES

COG 2023 – Results of step 2

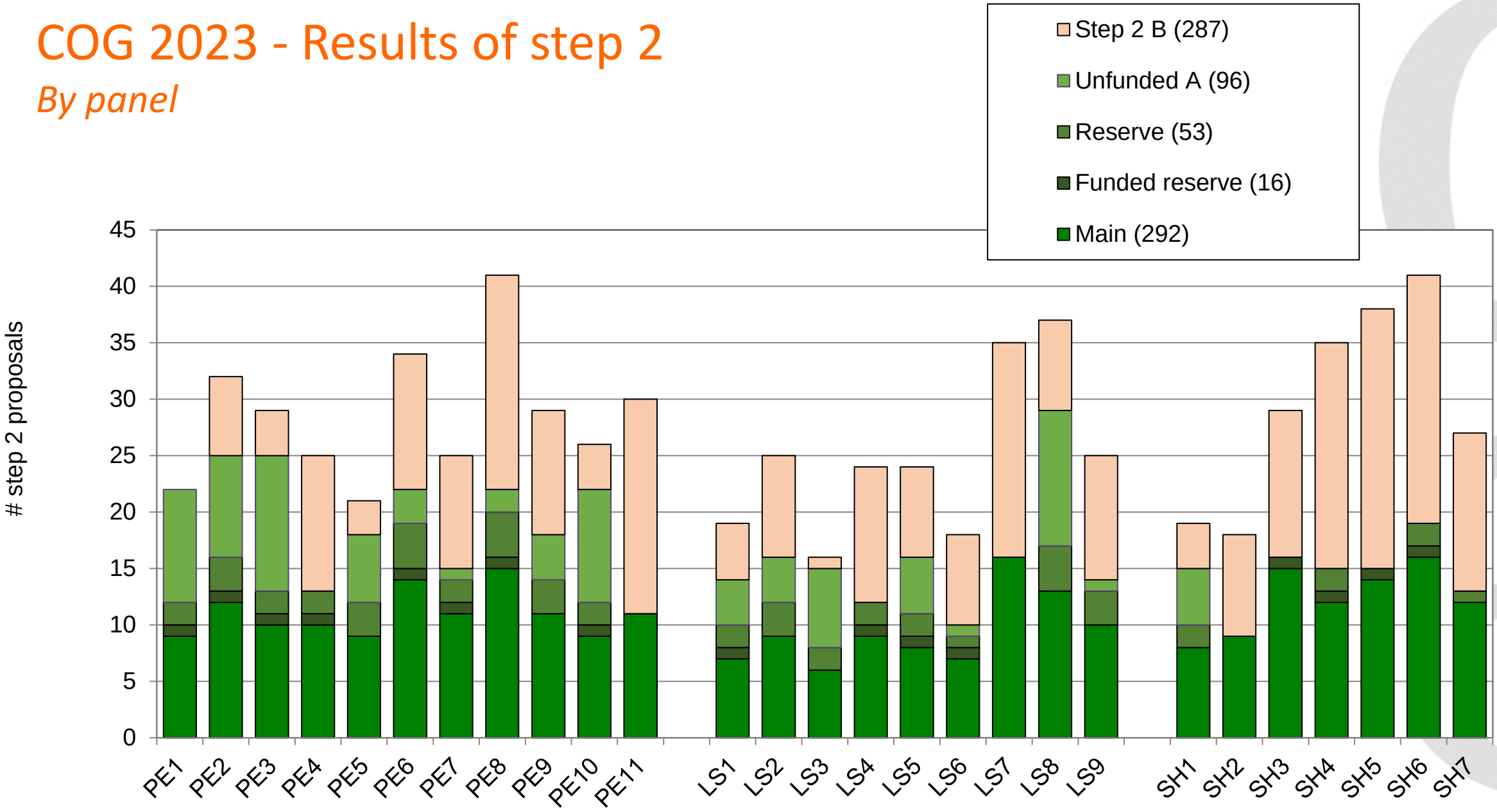
Call budget 628 M € = Main list + 36 M € additional funding

Success rate 14.5% on submitted proposals

	Submissions	Evaluated step 1	Evaluated step 2	Main list	Call success rate 14.8%		
					M	F	X
Physical Sciences and Engineering	881	853	314	129	14.1%	18.5%	0
Life Sciences	612	601	223	89	16.8%	11.9%	50%
Social Sciences and Humanities	637	617	207	90	11.7%	18.2%	0
Total	2130	2071	744	308	14%	16%	12.5%

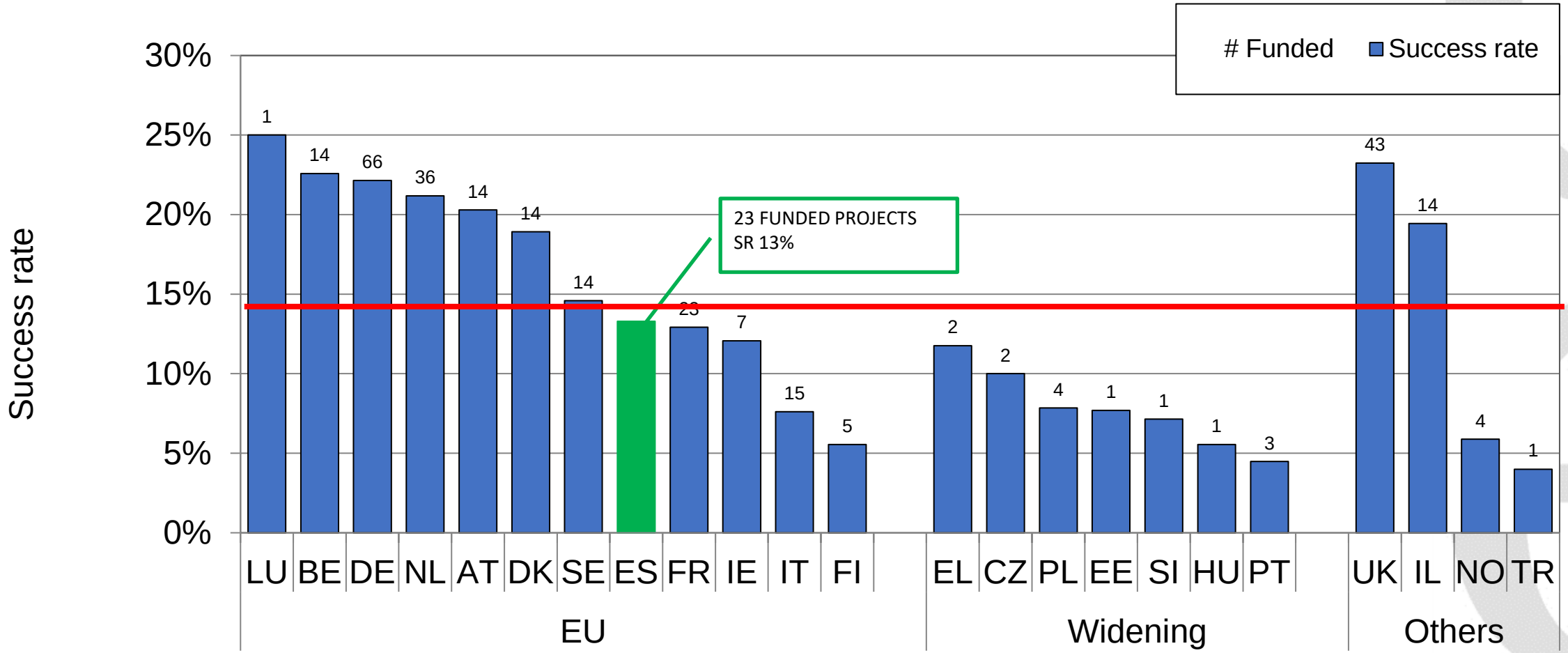
COG 2023 - Results of step 2

By panel

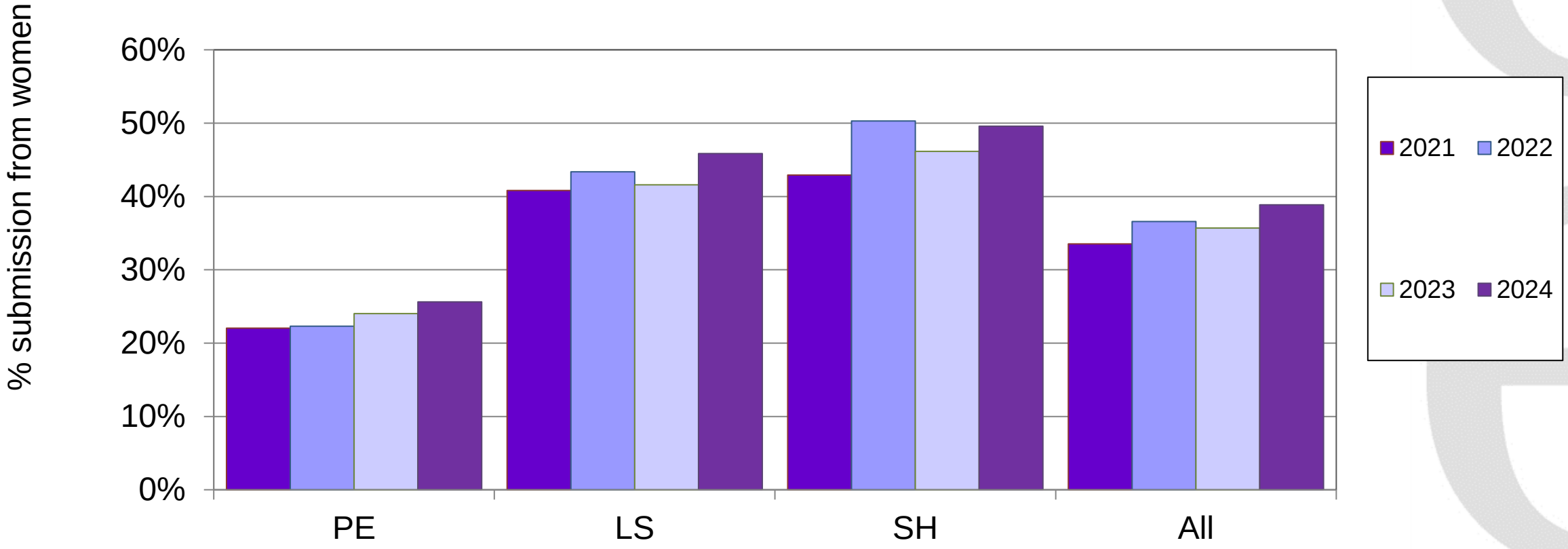


COG 2023 – Results of step 2

Funded proposals by success rate of host institution country

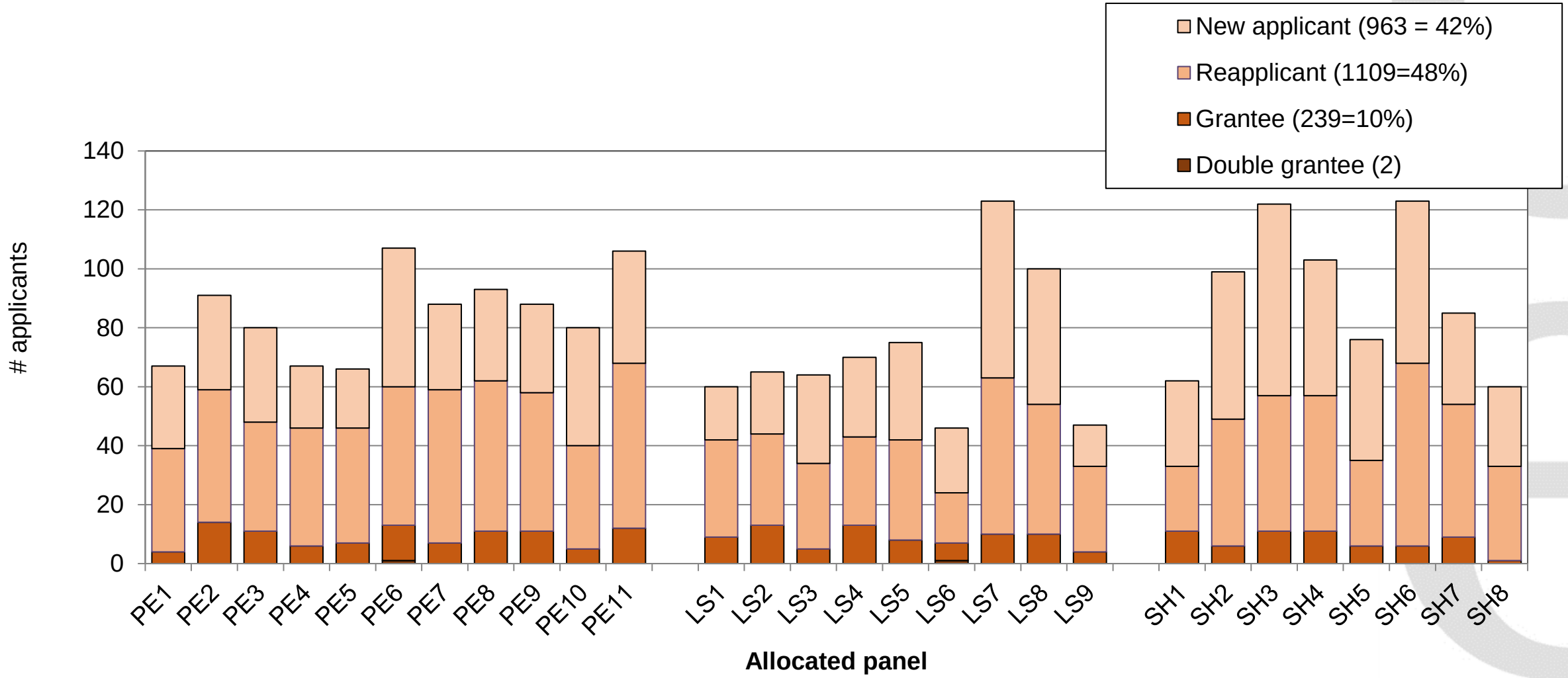


COG 2021-2024: Submissions from women by domain



COG 2024 - Submissions from reapplicants

58% PIs have previously applied to an ERC call



DO NOT EXCLUDE

Yourself from participating in ERC calls

- Take risks, explain your project's high scientific impact if you reach your aims, and provide evidence that you can do it.
- **If you fail, try again**! Gain experience from evaluation. Panel feedback is useful and resubmissions have higher success rate.

Gracias por su atención

GOBIERNO DE ESPAÑA
MINISTERIO DE CIENCIA, INNOVACIÓN Y UNIVERSIDADES
FECYT INNOVACIÓN
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