Criterios de evaluación, puntos clave en la escritura de la propuesta

Webinar ERC ADG 2025 - Preparación de propuestas

20 Mayo 2025

GOBIERNO DE ESPAÑA
MINISTERIO DE CIENCIA, INNOVACIÓN Y UNIVERSIDADES
FECYT INNOVACIÓN
oficina europea
Universitat d'Alacant
Universidad de Alicante

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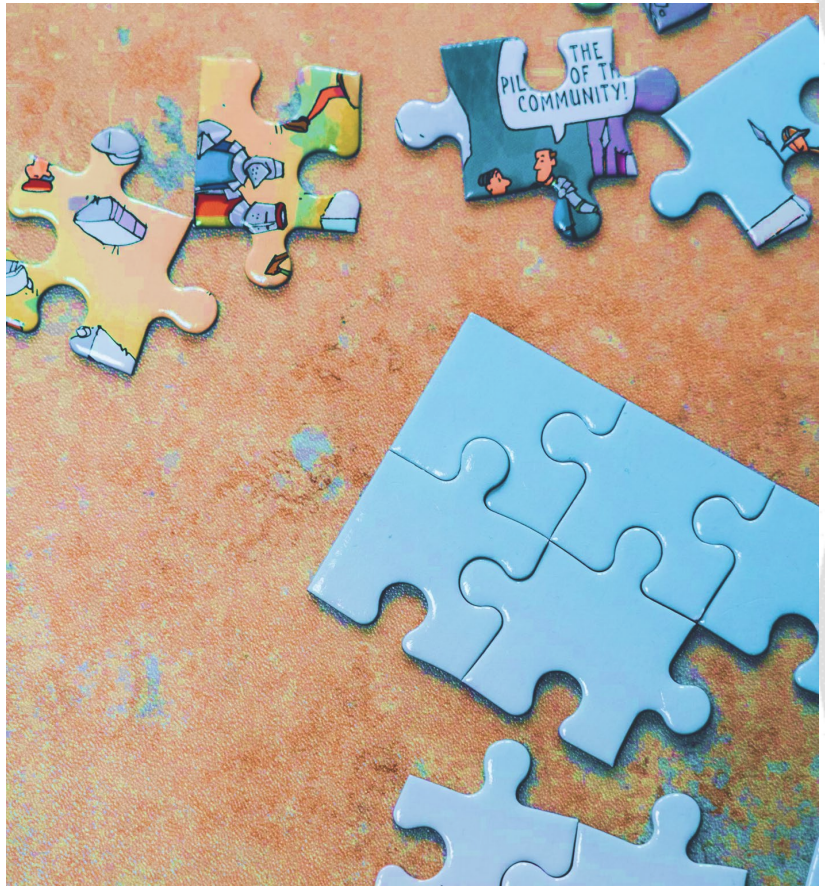
- Estructura de la propuesta y proceso de evaluación
- Part B1 y perfil del IP
- Part B2 y naturaleza innovadora



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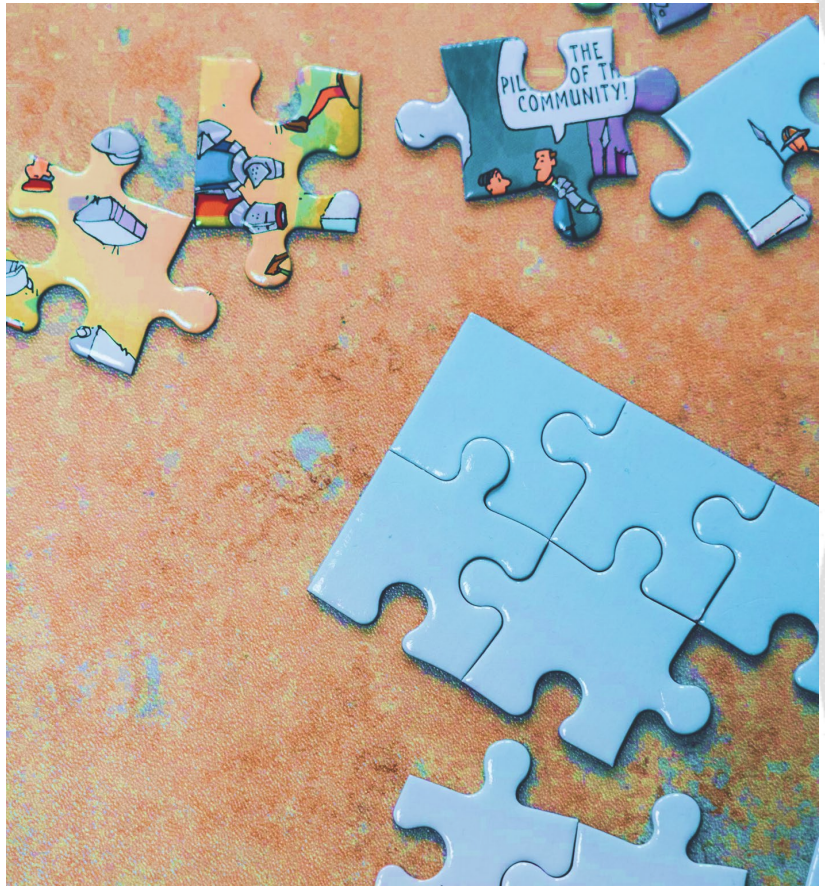

ERC Advanced Grant 2025 - Structure of the proposal

One deadline | 2 steps evaluation process

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)

Sa: SoA & objectives

Sb: Methodology

funding ID

NOT evaluated in Step 1 (only in Step 2)

Part A – online forms

A1 General Information
A2 Participants
A3 Budget: table + description (10.000c)
A4 Ethics and security
A5 Other questions
% Time commitment
Excluded Reviewers (up to 3)

(Declaration 10)

Annexes

HI support letter
Ethics and security issues
Equipment Table

Evaluation: Principle

Excellence

is the sole evaluation criterion

Excellence of the Research Project

- Ground breaking nature
- Potential impact

Excellence of the Principal Investigator

- Intellectual capacity
- Creativity
- Commitment

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?
- are the proposed **research methodology and working arrangements** appropriate to achieve the goals of the project?
- are the proposed **timescales, resources and PI commitment** adequate and justified?

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?

Evaluation process

STEP 1

Remote assessment by **Panel members**
see ONLY section 1: Synopsis and CV
(Part B1)

↓

Panel meeting

↙ ↘

Proposal Not Retained
(scores 'A-not invited' or 'B' or 'C')

Proposal Retained
For Step 2 (Score 'A')

STEP 2

Remote assessment by **Panel members**
and **Remote Reviewers** of **full proposals**
(Part B1+B2)

↓

Panel meeting
+ interview StG, CoG, AdG and SyG

↓

Ranked list of proposal
(Score 'A' or 'B')

Feedback to applicants

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

PE7 Systems and Communication Engineering

Electrical, electronic, communication, optical and systems engineering

PE7_1 Control engineering

PE7_2 Electrical engineering: power components and/or systems

PE7_3 Simulation engineering and modelling

PE7_4 (Micro- and nano-) systems engineering

PE7_5 (Micro- and nano-) electronic, optoelectronic and photonic components

PE7_6 Communication systems, wireless technology, high-frequency technology

PE7_7 Signal processing

PE7_8 Networks, e.g. communication networks and nodes, Internet of Things, sensor networks, networks of robots

PE7_9 Man-machine interfaces

PE7_10 Robotics

PE7_11 Components and systems for applications (in e.g. medicine, biology, environment)

PE7_12 Electrical energy production, distribution, applications

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

ERC-2024-Advanced Grant. Panel Chairs
Life Sciences

- LS1: Prof. María García-Parajo
- LS2: Prof. Hinrich Gronemeyer
- LS3: Prof. Philip Ingham
- LS4: Prof. Daniela Cota
- LS5: Christian Büchel
- LS6: Prof. Maria Grazia Masucci
- LS7: Prof. Dominique Costagliola
- LS8: Prof. Joy Bergelson
- LS9: Prof. Nicholas Talbot

Evaluation panels + Panel Members

PE7 Systems and Communication Engineering

Electrical, electronic, communication, optical and systems engineering

- PE7_1 Control engineering
- PE7_2 Electrical engineering: power components and/or systems
- PE7_3 Simulation engineering and modelling
- PE7_4 (Micro- and nano-) systems engineering
- PE7_5 (Micro- and nano-) electronic, optoelectronic and photonic components
- PE7_6 Communication systems, wireless technology, high-frequency technology
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- PE7_9 Man-machine interfaces
- PE7_10 Robotics
- PE7_11 Components and systems for applications (in e.g. medicine, biology, environment)
- PE7_12 Electrical energy production, distribution, applications

Panel members in the ERC Starting Grant 2023 peer review, appointed by the ERC Scientific Council.

- **Sylvain Gigan (Panel Chair)**
- José Capmany
- Edoardo Charbon
- Alessandro Chiuso
- Anthony Ephremides
- Malte Gather
- Naira Hovakimyan
- Abbas Jamalipour
- Andrea Kübler
- Marco Liserre
- Giorgio Metta
- Frank Niklaus
- Eva Rajo-Iglesias
- Chi Tse
- Heike Vallery
- James Wilkinson
- Honggang Zhang

PE7 Systems and Communication Engineering

- PE7_1 Control engineering
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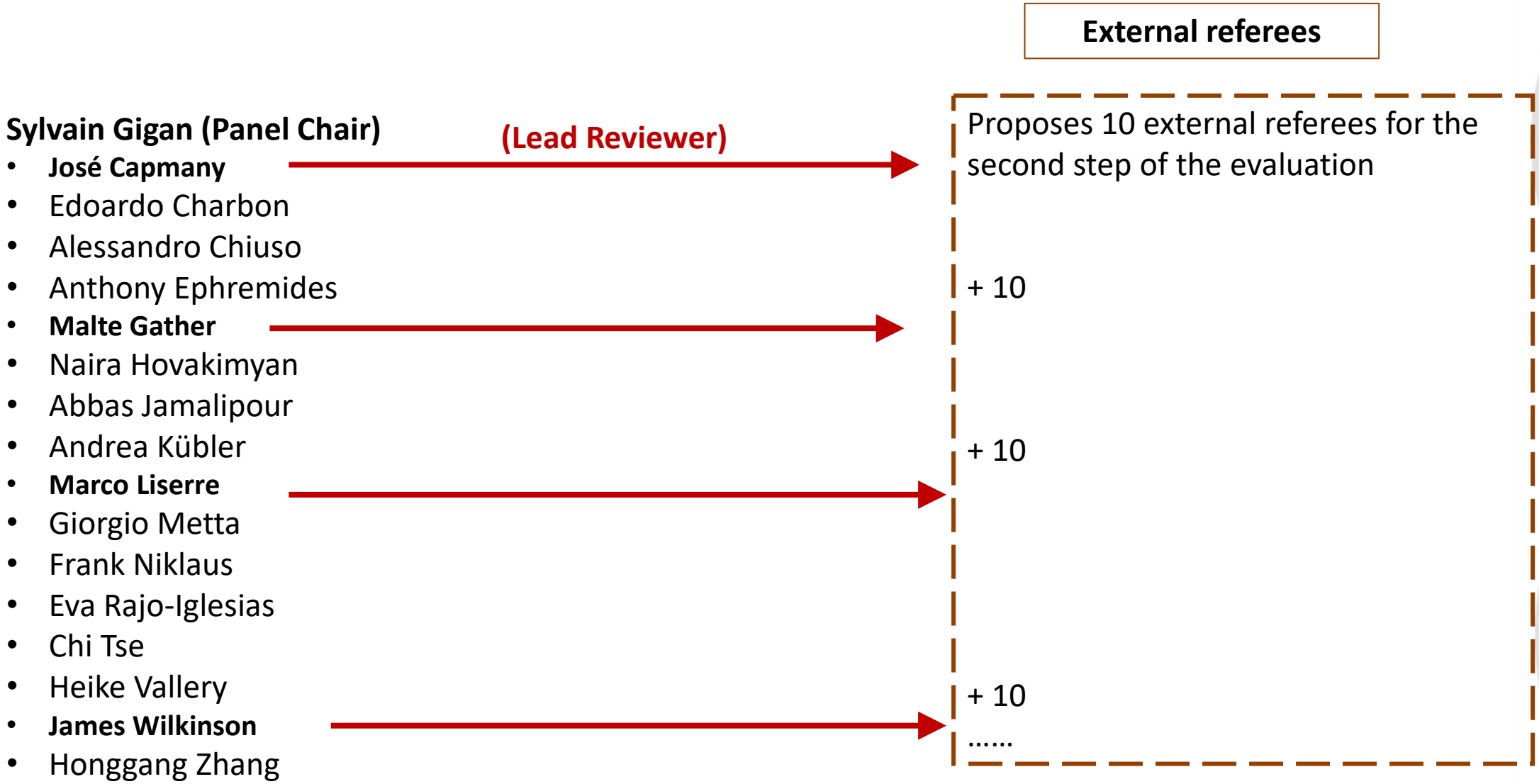
Your proposal

Sylvain Gigan (Panel Chair)

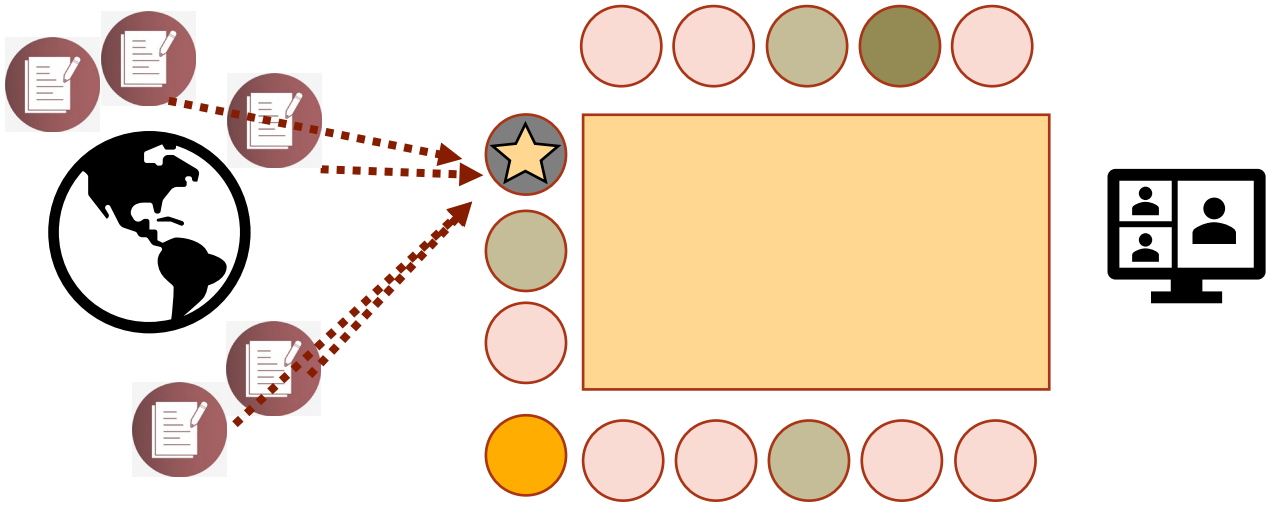
- **José Capmany** — Lead reviewer
- Edoardo Charbon
- Alessandro Chiuso
- Anthony Ephremides
- **Malte Gather** — Reviewer
- Naira Hovakimyan
- Abbas Jamalipour
- Andrea Kübler
- **Marco Liserre** — Reviewer
- Giorgio Metta
- Frank Niklaus
- Eva Rajo-Iglesias
- Chi Tse
- Heike Vallery
- **James Wilkinson** — Reviewer
- Honggang Zhang



Experts identification tool: Prophy The ERCEA informed the ScC members about Prophy, the support tool for the identification of potential panel members and remote referees for the evaluation of proposals: https://www.prophy.science/referee-finder/

La entrevista

- 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



- Panel Chair
- Panel members involved
- Lead reviewer
- Other panel members
- Raporter
- Evaluation Summary Reports from External experts

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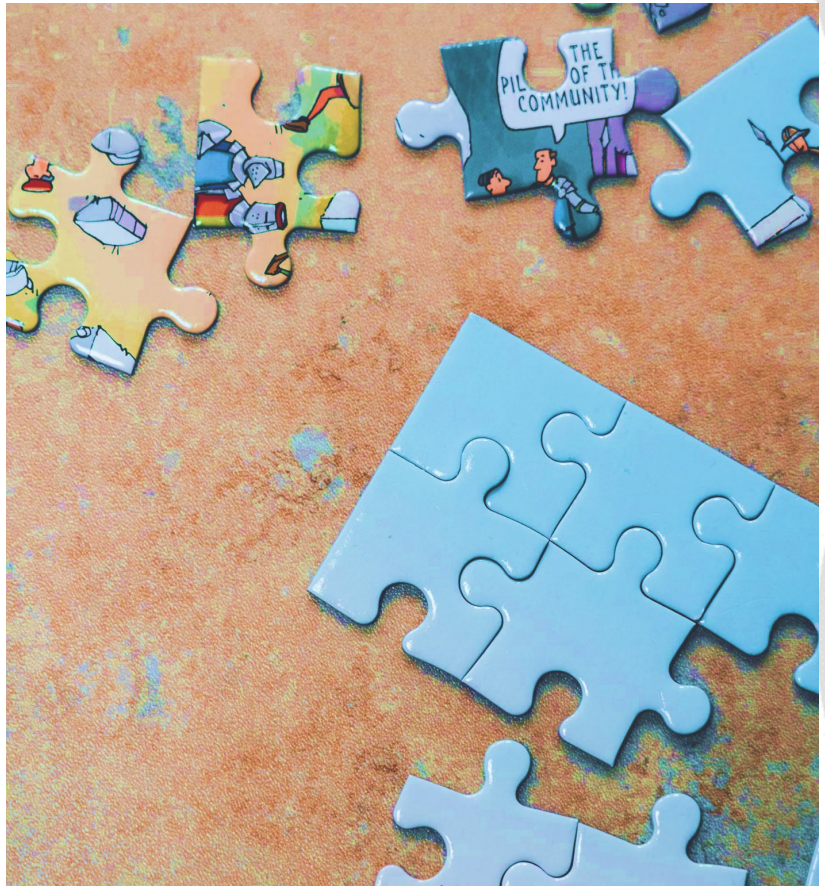

ERC Advanced Grant 2025 - Structure of the proposal

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)

- Sa: SoA & objectives
- Sb: Methodology
- funding ID

NOT evaluated in Step 1 (only in Step 2)

Part A – online forms

A1 General Information
A2 Participants
A3 Budget: table + description (10.000c)
A4 Ethics and security
A5 Other questions
% Time commitment
Excluded Reviewers (up to 3)

(Declaration 10)

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ABSTRACT

ERC Starting Grant 2025
Research proposal [Part B1][1]
(Part B1 is evaluated in Step 1 and Step 2, Part B2 is evaluated in Step 2 only)

Proposal Full Title

PROPOSAL ACRONYM

Cover Page:
- Name of the Principal Investigator (PI)
- Name of the PI's Host Institution for the project
- Proposal duration in months

Please delete all text highlighted in grey in this template.

Proposal summary (identical to the abstract from the online proposal submission forms, section 1).

The abstract (summary) should, at a glance, provide the reader with a clear understanding of the objectives of the research proposal and how they will be achieved. The abstract will be used as the short description of your research proposal in the evaluation process and in communications to contact in particular potential independent external experts and/or to inform the Commission and/or the programme management committees and/or relevant national funding agencies. It must therefore be short and precise and should not contain confidential information.

Please use plain typed text, avoiding formulae and other special characters. The abstract must be written in English. There is a limit of 2000 characters (spaces and line breaks included).

Explain and justify the cross-panel or cross domain nature of your proposal, if a secondary panel is indicated in the online proposal submission forms. There is a limit of 1000 characters (spaces and line breaks included).

The abstract should provide the reader with a clear understanding of the objectives of the research proposal and how they will be achieved.

- Short and precise.
- Plain typed text, no formulae and other special characters.
- English.
- Up to 2000 characters (spaces and line breaks included).
- No confidential information
- Identical to A forms

Cross-panel box. If a secondary panel is indicated in the A forms.

B1. A: Extended Synopsis of the Scientific Proposal

*The Extended Synopsis should give a **concise presentation of the scientific proposal**, with particular attention to the **ground-breaking nature** of the research project, **which will allow** evaluation panels **to assess**, in Step 1 of the evaluation, the **feasibility of the outlined scientific approach**. Describe the proposed **work in the context of the state of the art** of the field. It is important that the extended synopsis contains minimum information relevant to the evaluation criteria, since the **Step 1 panel will have access only to part B1**.*

The Extended Synopsis is crucial, as it is the only part evaluated in the first phase of the selection process.

Evaluation Elements

- Ground-breaking nature and potential impact of the research project
- Scientific Approach: To what extent is the outlined scientific approach feasible bearing in mind the ground-breaking nature and ambition of the proposed research

B1. A: Extended Synopsis of the Scientific Proposal

Clear and compelling writing:

- Avoid excessive use of technical jargon: Although panel members are experts, it is essential that your proposal be understandable to a broad academic audience.
- Do not repeat statements without evidence: Instead of stating that your project is 'innovative' or 'ambitious,' provide concrete evidence to support these claims.

Address important challenges:

- Clearly identify the problem or challenge that your research aims to address.
- Explain why it is significant and how its resolution will contribute to the advancement of knowledge.

Demonstrate the originality and impact of the project

- Justify the need for the project: Explain why it is essential to carry out this research and how it will contribute significantly to the advancement of knowledge.
- Assess the risks and how to mitigate them: Include an evaluation of the potential risks associated with the project and how you plan to manage them

ERC ADG 2025 – Part B1 - CV & track record (4 pages)

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

Personal details: education, key qualifications, current position(s) and relevant previous positions.

Research achievements (<=10) a list of up to 10 research outputs:

- demonstrating advancement in the field
- emphasis on more recent achievements
- short narrative on significance of achievements

Peer recognition: a list of selected examples of significant prizes, fellowships, academy membership, etc.

Additional information:

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

A short explanation of the significance of the selected outputs, the role of the applicant in producing each of them, and how they demonstrate the applicant's capacity to successfully carry out their proposed project may be included, as well as a short explanation of the importance of the listed examples of significant peer recognition.

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.

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

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.*

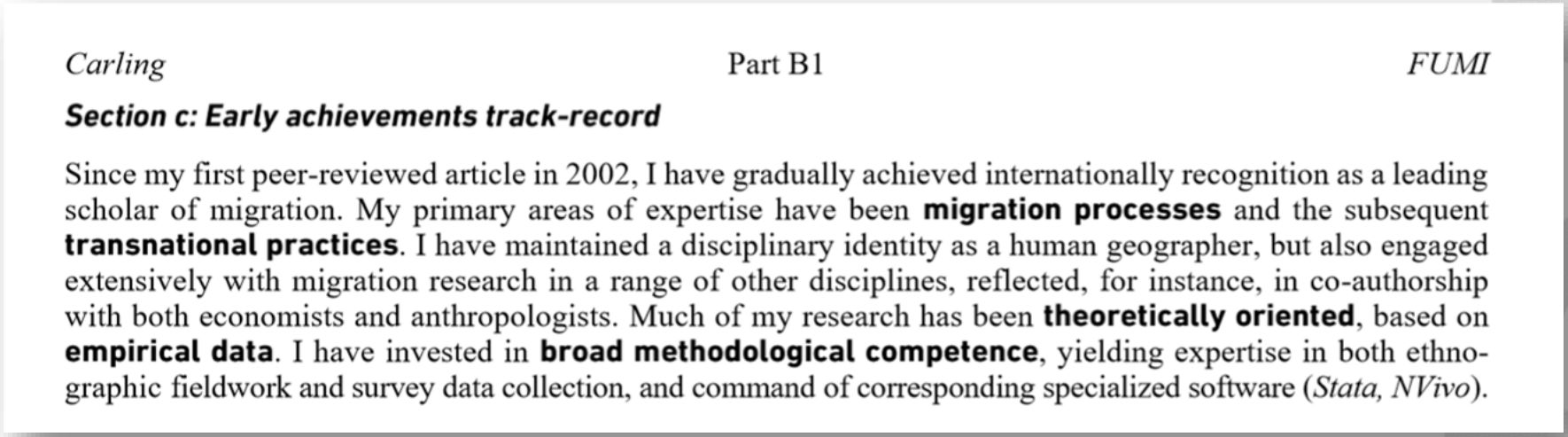
T. Mikolov, A. Joulin and **M. Baroni**. 2016. A roadmap towards machine intelligence. *Proceedings of CICLing* (90). **Significance:** *An extended "vision" paper on the central role of communication for flexible AI.*

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

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

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. …

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

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

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.

A competitive advanced grant PI is expected to be…

*An **active and established research leader with a track record of significant research achievements***

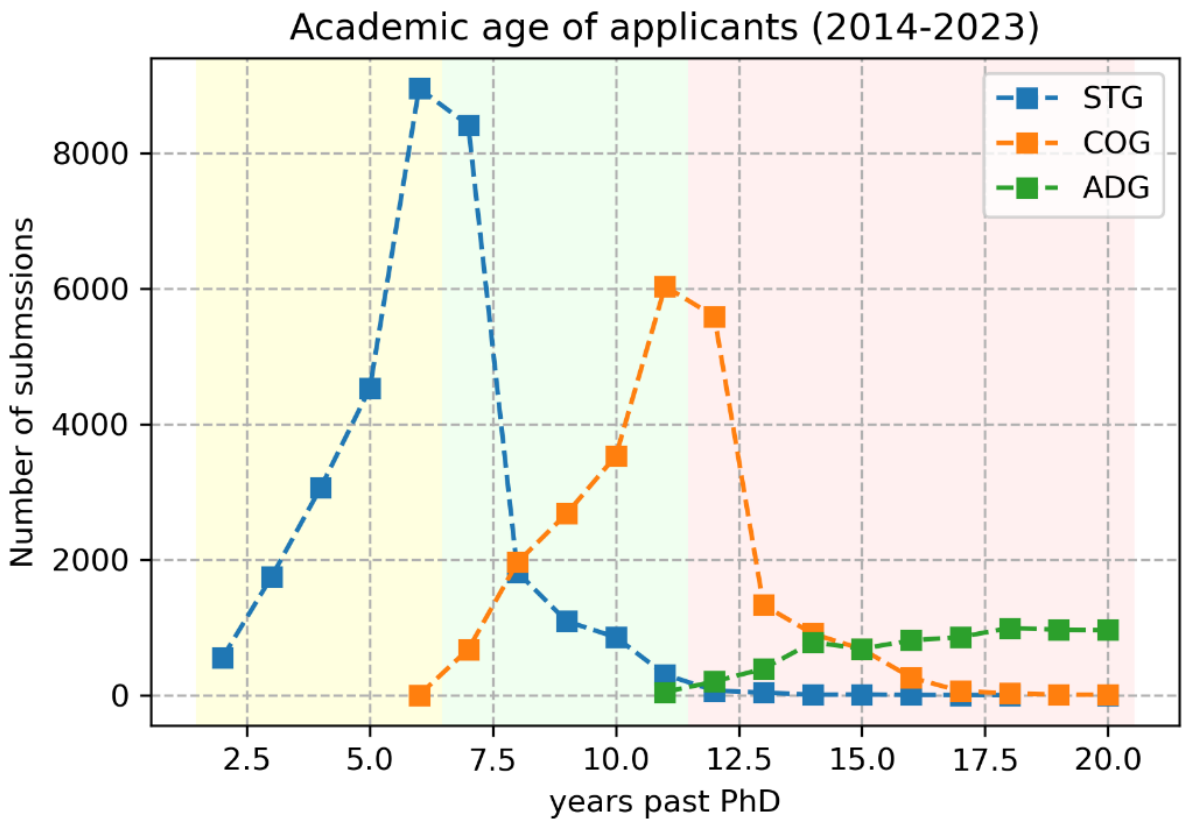
Principal Investigators:
- list of achievements reflecting their track record.
- A short narrative describing scientific importance and the role played by the PI.

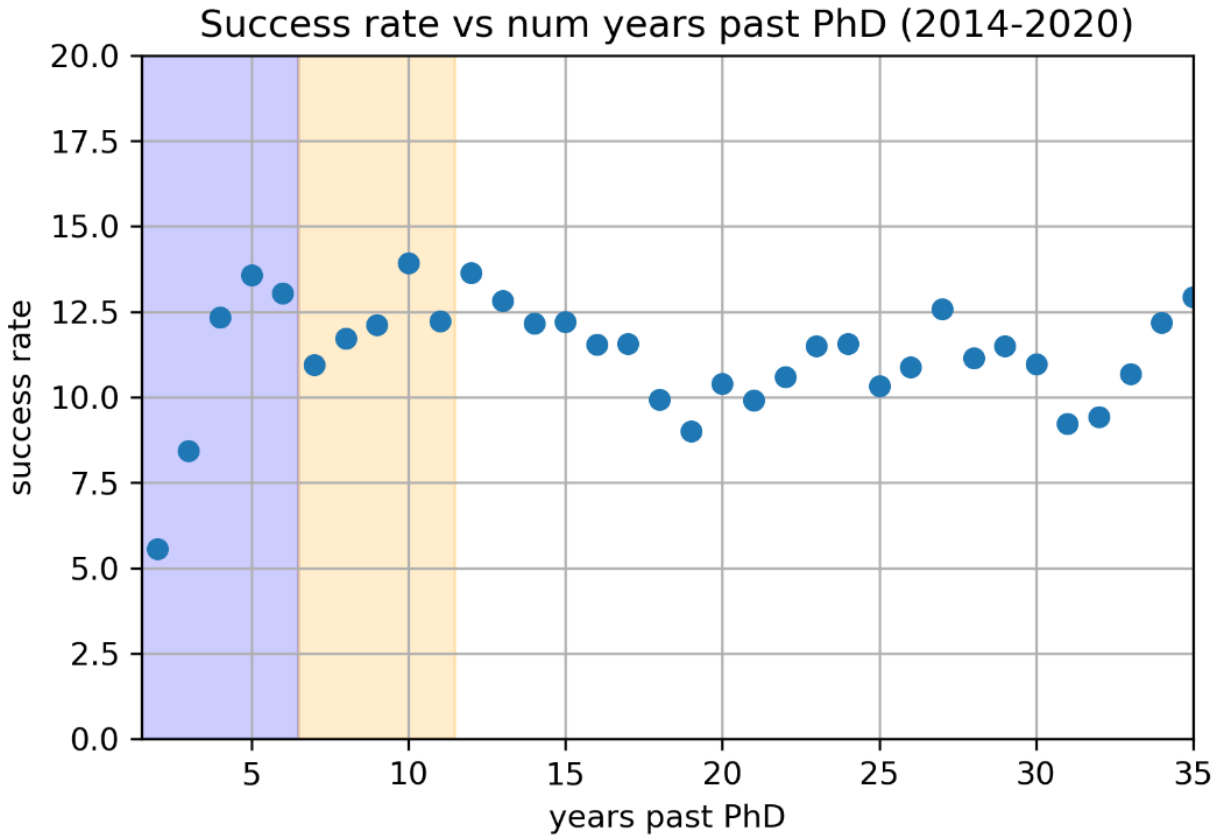
The peer review panels:
- unconventional research career paths
- particularly noteworthy contributions
- possible career breaks
- major life events

Principal Investigators must demonstrate the ground-breaking nature, ambition, and feasibility of their research proposal.

Contrary to what you may think

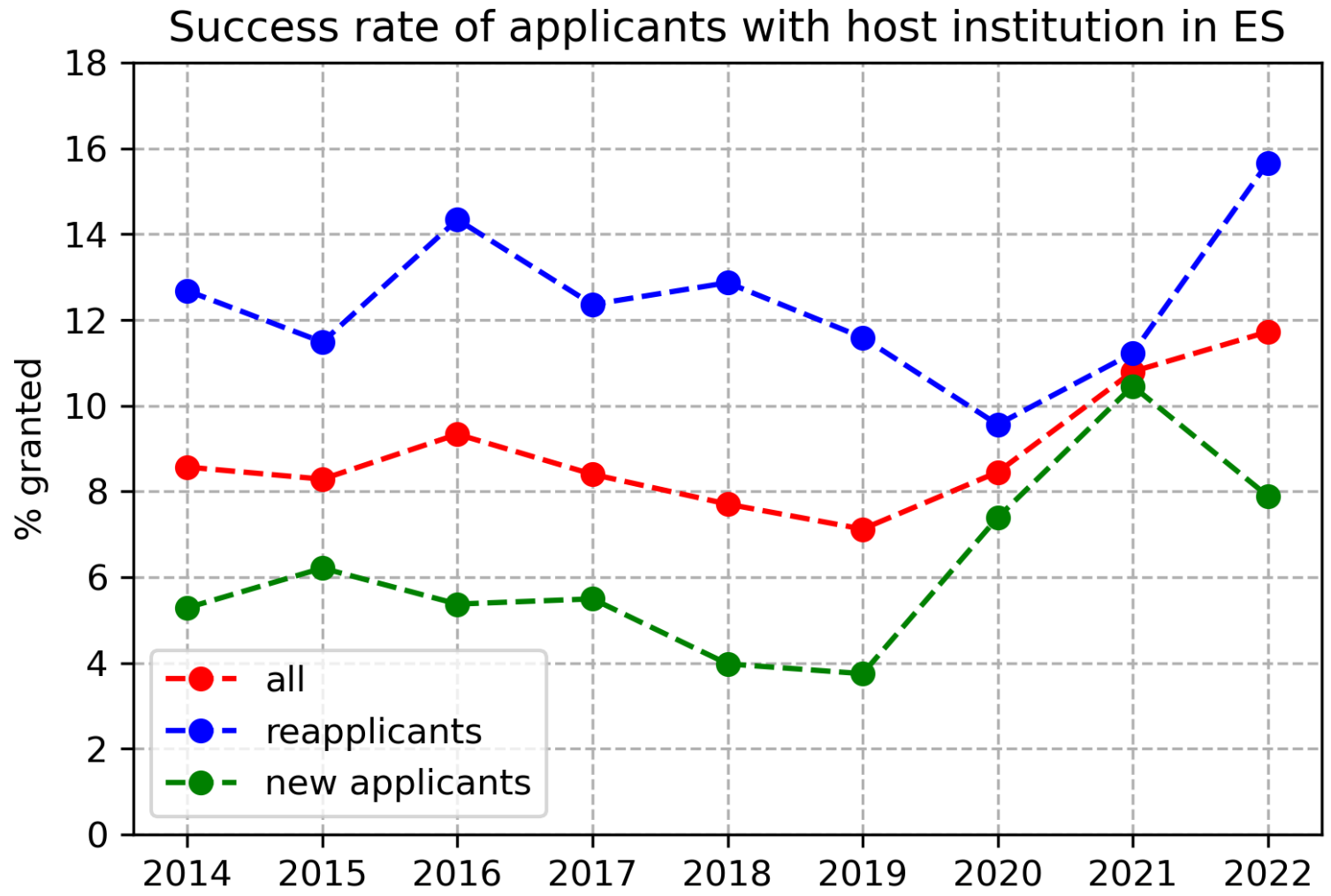
- The success rate is not linked to academic age.





Fuente: ERCEA

Success rate of applicants with host institution in Spain



Fuente: ERCEA

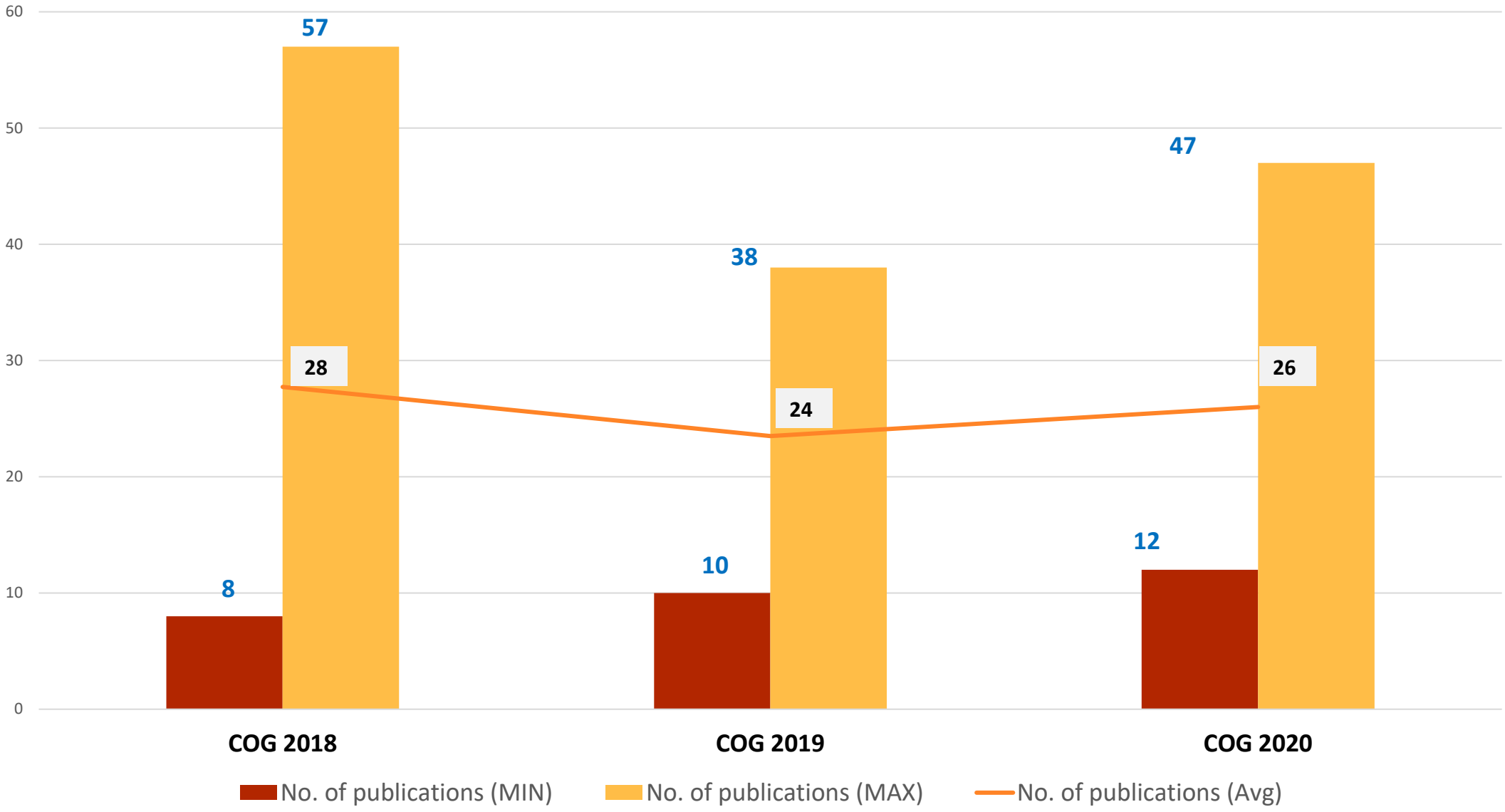
Bibliometric profile of grantees

- 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.

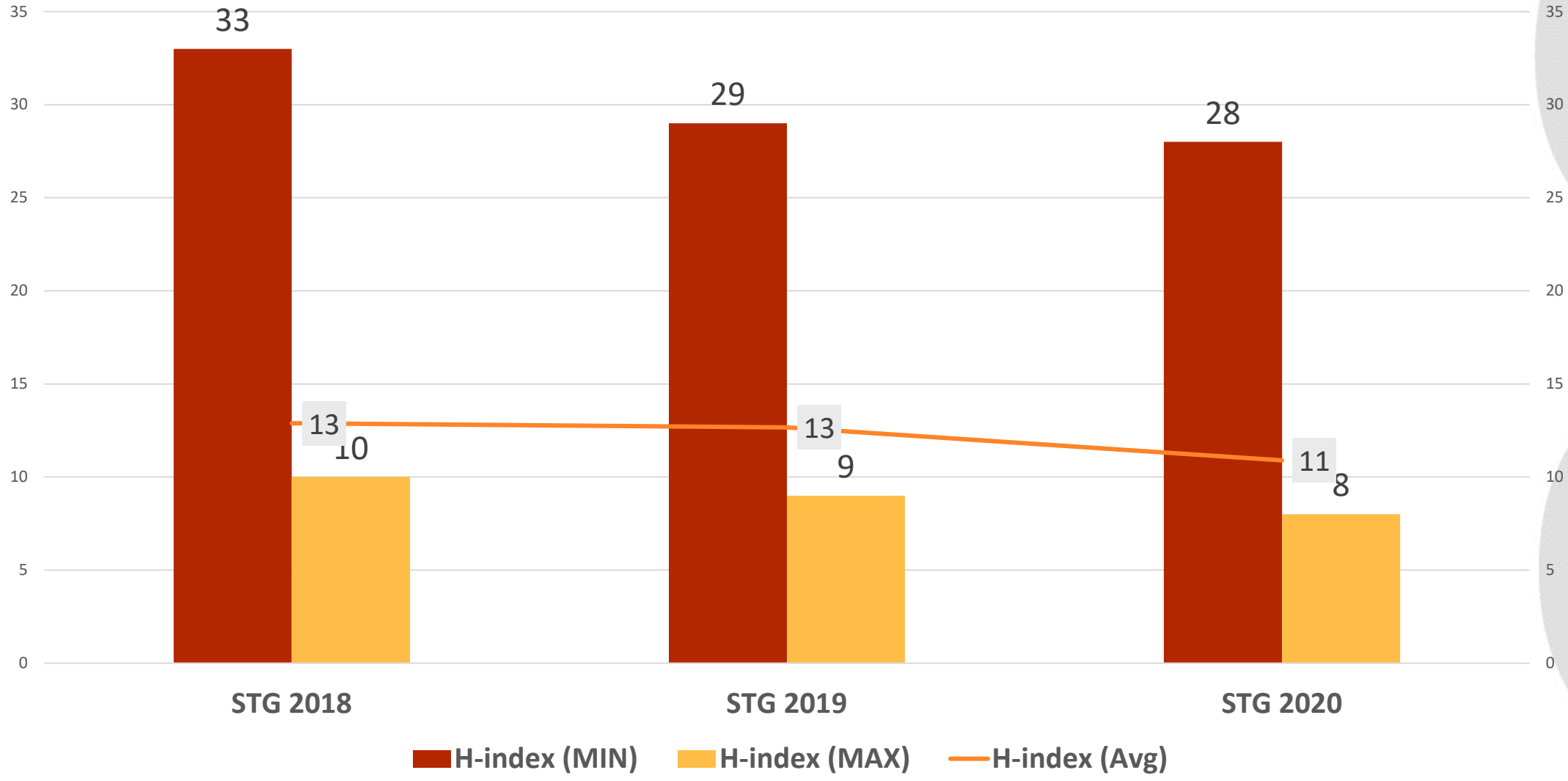
FECYT INNOVACIÓN

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

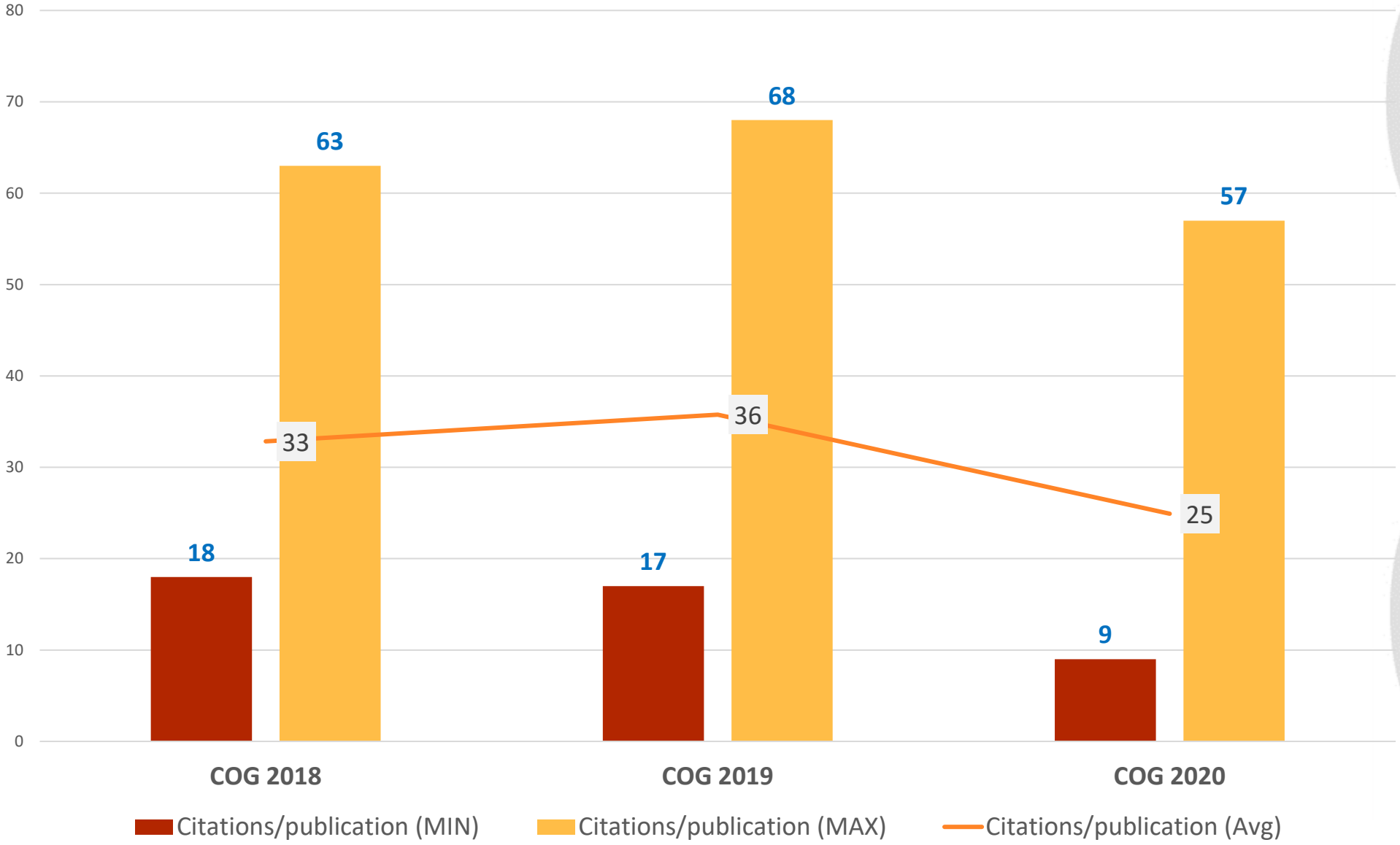
LS4: Physiology in Health, Disease and Ageing



PE7 Systems and Communication Engineering



LS9 Biotechnology and Biosystems Engineering



Advanced Grant

LS6: Immunity & Infection

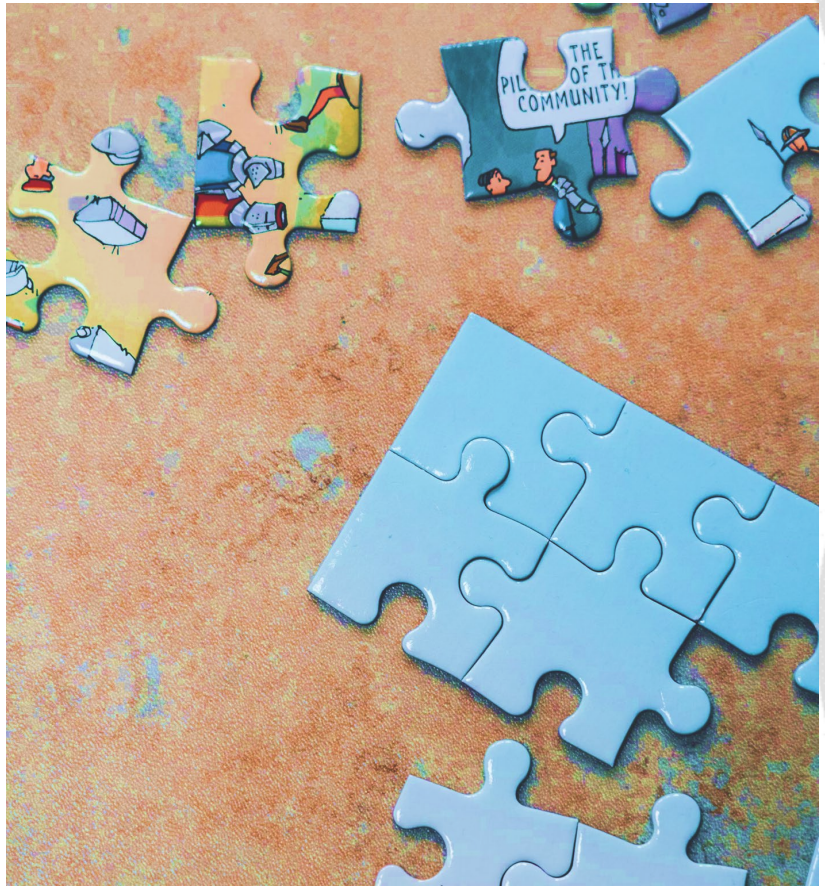
Panel	MEDIA Número de publicaciones	MEDIA Número de citas por publicación	MEDIA Índice H temporal	Valor máximo índice H temporal	Valor mínimo índice H temporal	Publicaciones Nature	Publicaciones Science
ADG_2018	83	90	41	80	23	13	6
ADG_2019	111	73	44	65	21	11	10
ADG_2020	70	53	31	52	16	10	3

LS7: Diagnostic Tools, Therapies & Public Health

Panel	MEDIA Número de publicaciones	MEDIA Número de citas por publicación	MEDIA Índice H temporal	Valor máximo índice H temporal	Valor mínimo índice H temporal	Publicaciones Nature	Publicaciones Science
ADG_2018	165	122	48	83	31	2	0
ADG_2019	163	64	45	94	15	18	2
ADG_2020	173	82	44	90	17	14	5

ÍNDICE

- Estructura de la propuesta y proceso de evaluación
- Part B1 y perfil del IP
- Part B2 y naturaleza innovadora



PART B2 - RESEARCH PROPOSAL

ERC Starting Grant 2025
Part B2[1]
(not evaluated in Step 1)

Sections (a) and (b) of Part B2 should not exceed 14 pages. References do not count towards the page limits.

Text highlighted in grey should be deleted.

Please respect the following formatting constraints: Times New Roman, Arial or similar, at least font size 11, margins (2.0 cm side and 1.5 cm top and bottom), single line spacing. Do NOT split the sections, references and/or the appendix (Funding ID) and do NOT upload them as separate documents.

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

Section b. Methodology

Do NOT include any description of resources or budget table here (Part B2). The Resources section and the detailed budget table are part of the online submission form (Part A, Section 3 - Budget) which will be extracted and provided to the peer reviewers. If additional documents are uploaded in the submission system as separate attachments, the peer reviewers will not have access to them.

Applicant's last name Part B2 ACRONYM

Appendix: All current grants and on-going / submitted grant applications of the PI (Funding ID)

Mandatory information (does not count towards page limits)

Current research grants (Please indicate "No funding" when applicable):

Project Title	*Funding source*	*Amount (Euros)*	*Period*	*Role of the PI*	*Relation to current ERC proposal[2]*

On-going / submitted grant applications (Please indicate "None" when applicable):

Project Title	*Funding source*	*Amount (Euros)*	*Period*	*Role of the PI*	*Relation to current ERC proposal[2]*

Guidance available: Evaluation criteria -Research Project

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

- important challenges
- ambitious objectives and beyond the state of the art (novel concepts, approaches or development between or across disciplines)

Scientific Approach

- feasible scientific approach …. ground-breaking nature and ambition of the proposed research? (B1)
- research methodology and working arrangements (B2)
- timescales, resources and PI commitment (B2)

Potential impact of the research project (B1+B2)

...ambitious objectives beyond SoA (B1 & B2)

- Your project addresses a major research question that remains unresolved in the field.
- It defines specific objectives that go beyond current knowledge (SoA), both your own and that of others.

How should you present your objectives?

- **Separately**: a clear list of specific objectives.
- **In relation to research questions**: transform each objective into a key question that will guide the project.
- **Accompanied by hypotheses or conjectures**: especially useful if you are in an experimental or empirical field.

...ambitious objectives **beyond SoA (B1 & B2)**

The state of the art serves three key purposes in the structure of the project:

- **Clarification of terminology and concepts**: Given the diversity of approaches and interpretations in the field, a careful review of the literature helps define the key terms and categories used throughout the proposal.
- **Identification of knowledge gaps**: The project systematically highlights what remains unresolved, underexplored, or misunderstood. These gaps justify the urgency and relevance of the proposed objectives, which aim to address them in a novel and integrated way.
- **Positioning of the PI's expertise**: By reflecting critically on the PI's own prior work, this proposal demonstrates a deep understanding of the methodological, conceptual, and theoretical challenges in the field.

Suggested headings based on evaluation criteria – PART B2

Research Project

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

- important challenges
- ambitious objectives and beyond the state of the art (novel concepts, approaches or development between or across disciplines)

Scientific Approach

- feasible scientific approach …. ground-breaking nature and ambition of the proposed research? (B1)
- research methodology and working arrangements (B2)
- timescales, resources and PI commitment (B2)

Potential impact of the research project (B1+B2)

[first page of your proposal= **Synthesis**]

3,5 pages/14

9 pages/14

1,5 pages/14

Feasible Scientific Approach VS. Methodology

B1

Purpose: To convince the panel that your innovative idea is **feasible**, without going into technical details.

- Style: **Concise, clear, accessible to non-specialists**
- What to include:
  - Overview of the scientific approach.
  - Preliminary evidence (own data, pilots, key publications).
  - Added value compared to the SoA and the competitors.
  - General risk evaluation and how you plan to address them.
  - Key collaborations that contribute capacity (without detailing contracts).
- **What to avoid:** Exhaustive technical or methodological details (that goes in B2)

B2

Purpose: Show that you have thought **thoroughly** about how to execute each part of the project.

- Style: **Technical, rigorous, detailed**, for experts in your field.
- What to include:
  - Detailed design of the work plan (packages, tasks, schedule).
  - Specific methods you will use at each stage.
  - Methodological justification (why those methods?).
  - Technical and human resources required.
  - More specific risk evaluation and contingency plans.
  - Collaboration details: roles, contributions, planned agreements.
- **What to avoid:** Selling the idea as if it were a pitch. This section should demonstrate technical expertise

Is it incremental research?

- **Where did the idea come from?** From you? From your community?
- If you can submit it to other calls for proposals **(splitting the budget)**
- We should present the project idea as a **big step forward** compared to the state of the art.
- INCREMENTAL ≠ RISK

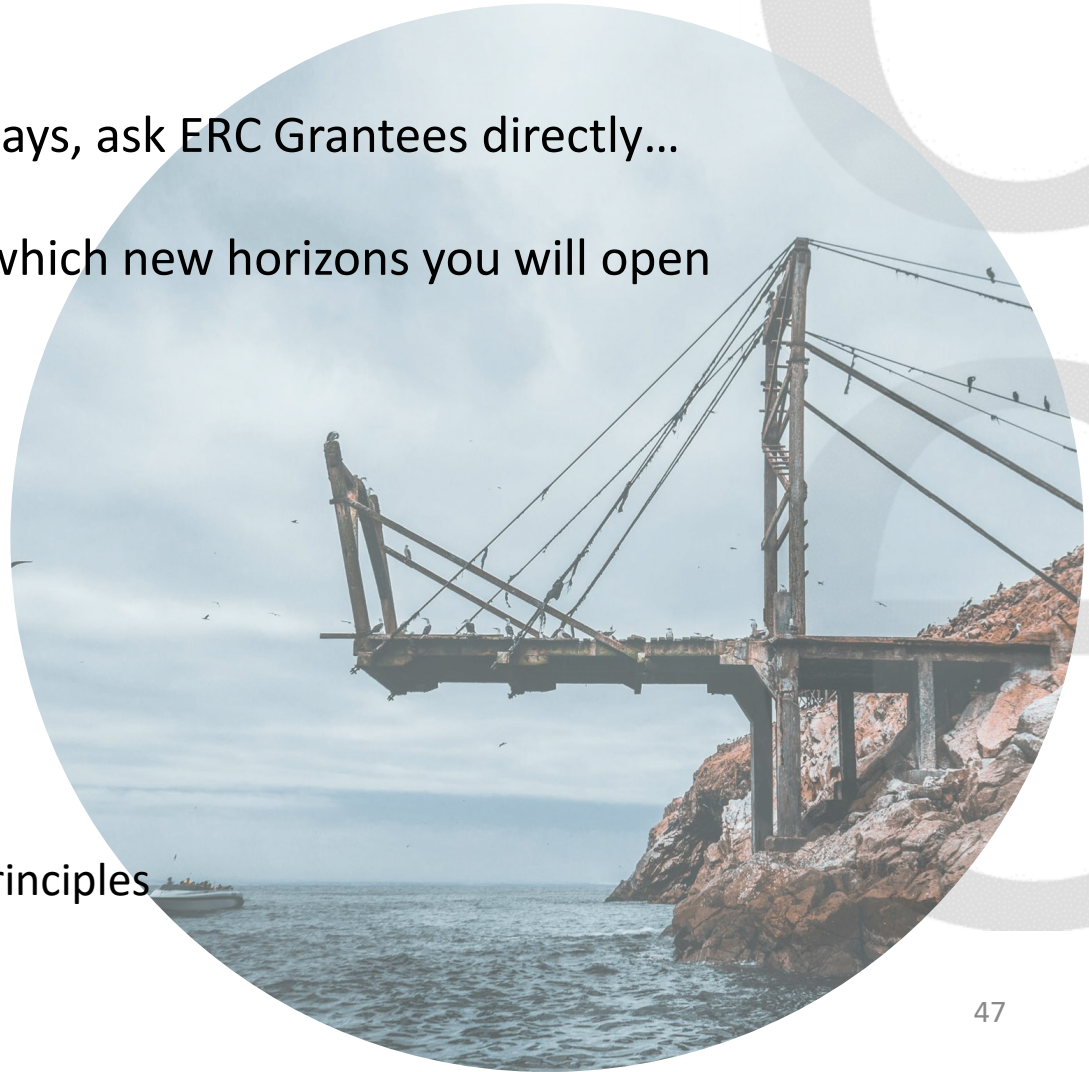
It is normal that what you propose is related to your background, experience and achievements.

The key is that this is what will advance research and knowledge far beyond the SoA= High Gain.

Challenge: Find the right balance between ambition and feasibility

Does it have the potential to change the way your scientific field works?

- Present it to your colleagues (the more, the better).
- Read other proposals: open proposals, ERC Reading days, ask ERC Grantees directly…
- Identify which fields and how you will change them, which new horizons you will open up.
- An unconventional idea:
  - New concepts that did not exist before
  - Use of existing concepts in a different context or field
  - New combinations of related scientific principles
  - New combinations of previously unrelated scientific principles



What does Impact mean for the ERC?

- **Transformative impact:** you will open up one or more new fields in which you will publish in the future. Other researchers will follow.
- **Ambition**: this does not mean proposing a very complex experiment (battery of tests, fieldwork, etc...), but rather a big step forward.
- **Potential of your idea**. Your project may be the key to the necessary breakthrough
- Is it a real, important, recurring **problem in the field**?
- New methods are not necessarily needed
- ERC´s Impact ≠ economic impact, societal impact

Gracias

GOBIERNO DE ESPAÑA
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FECYT INNOVACIÓN
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