

Sesión online European Research Council Starting & Consolidator Grant 2022

Octubre 2021

**Jose Luis García Represente CP ERC
Laura Mohedano y Estefanía Muñoz NCPs ERC**

BIENVENIDA



European Research Council
Established by
the European Commission

NCPs ERC

**Soporte a la comunidad investigadora en
participando en las convocatorias del European
Research Council (ERC)**

Puntos nacionales de contacto

Consejo Europeo de Investigación (ERC)



Estefanía Muñoz

FECYT, MCIN
estefania.munoz@fecyt.es
+34 91 425 09 09



Laura Mohedano

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

Descargo de responsabilidad:

Parte de la información de esta presentación está basada en aprendizajes personales y no constituye una información directa de la CE, ni del ERC.

WEBINAR STG&CoG2022

- Los participantes están silenciados.
- Las preguntas se formulan por: www.menti.com code **6775 7161**
- Las presentaciones se colgarán en:
<https://www.horizonteeuropa.es/presentaciones-webinars-apoyo-startingconsolidator-grant-2022>
- El seminario se está grabando y quedará accesible a través del link de inscripción.
- Después de terminar, la plataforma GoToWebinar lanzará una encuesta de satisfacción. Os agradecemos mucho que la contestéis.

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

SERIES OF WEBINAR STG&CoG2022

Hoy no se acaba esto:

Webinar III: Estudio perfiles bibliométricos ERC-Starting Grant (2018-2020) elaborado por Departamento de Estudios e Indicadores Bibliométricos de FECYT. El webinar será impartido por **Victoria Millor**, Directora de Estudios e Indicadores, Gestión de la información científica, **Carlos Rodríguez**, Responsable Unidad de Estudios, Estudios e Indicadores e **Isabel Méndez** Oficina Técnica, Estudios e Indicadores. **25/11/2021** de 10-12h (info inscripción próximamente). No grabación. En español.

Webinar IV: Hints & Tips for an ERC 2022 application. Impartido por **Dr. Endika Bengoetxea**. Research Programme Agent. ERCEA.B.4 - Physical Sciences and Engineeringe **17/12/2021 de 10-13h.** (info inscripción próximamente). No grabación. En español.

Webinar V: Estudio perfiles bibliométricos ERC-Consolidator Grant (2018-2020) elaborado por Departamento de Estudios e Indicadores Bibliométricos de FECYT. **27/01/2022 de 10-12h** (info inscripción próximamente). No grabación. En español.

INDICE

Estructura de la propuesta ERC

- Extended Synopsis
- Scientific Proposal
- Resources – budget
- Ethics

Evaluation Summary Reports

- Q&A

ERC STARTING&CONSOLIDATOR GRANTS

ERC Starting Grant?

Are you a **talented early-career scientist** who has already produced excellent supervised work, **is ready to work independently and shows potential** to be a research leader? The ERC Starting Grant could be for you.

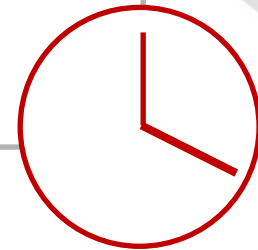
STARTING GRANT 2022

ERC-2022-STG

Open: 23-09-2021

Deadline: 13-01-2022

749 million EUR
(502 grants)



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

ERC 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.**

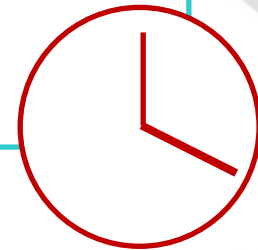
CONSOLIDATOR GRANT 2022

ERC-2022-COG

Open: 19-10-2021

Deadline: 17-03-2022

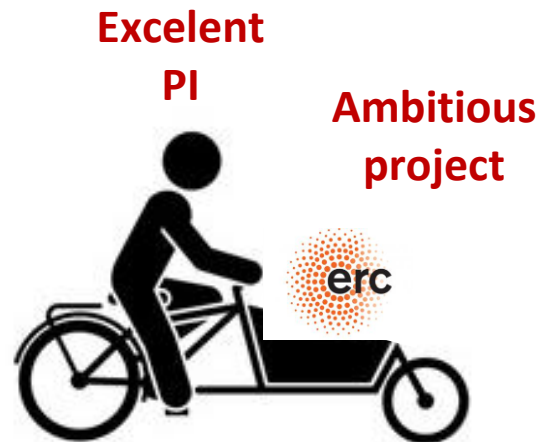
776 million EUR
(388 grants)



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

ERC StG&CoG Grant Principal Investigator (PI)

- Devote at least 50% or 40% of their working time to the ERC-Starting Grant or Consolidator Grant project, respectively.
- Spend at least 50% of their working time in EU/AC



ERC Guides – 3 essential documents

ERC Work Programme

1 / calls calendar



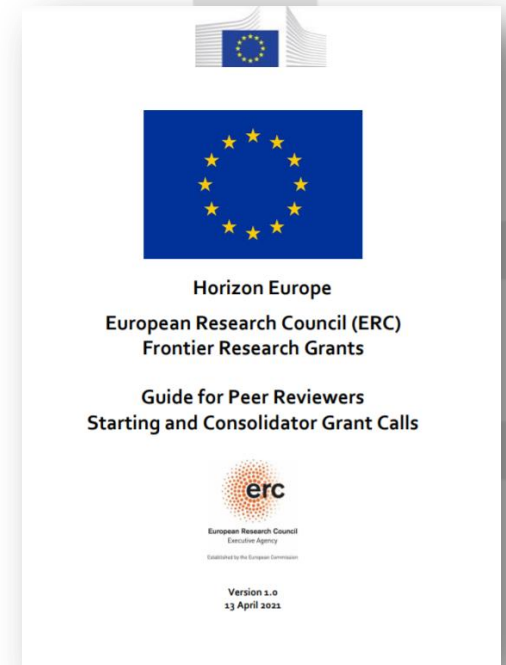
Information for Applicants

IfA to StG & CoG calls



Guide for Peer Reviewers

GfPR StG & CoG calls



ERC WP 2022: https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/wp-call/2022/wp_horizon-erc-2022_en.pdf

Information for Applicants to the Starting and Consolidator Grant calls: https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/guidance/information-for-applicants_he-erc-stg-cog_en.pdf

Guide for peer reviewers: https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/experts/guide-for-peer-reviewers_he-erc-stg-cog_en.pdf

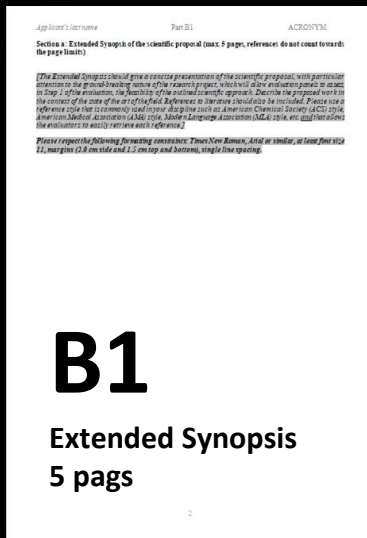
ERC 2022 PROPOSAL

1 step evaluation

- **B1**
- **Panel Members**

One deadline | 2 steps evaluation process

The ERC full proposal = B1 + B2 + PartA*



Part B1 – documento pdf

- Cover Page and summary
- Extended Synopsis (5pages)
- Curriculum vitae (2pages)
- Track-record (2p)

Parte A – Formularios online

A1 General Information

abstract

A2 Participants (GEP)

A3 Budget *

table + description (8000c)

A4 Ethics and security

A5 Other questions

% Time commitment*

Exclusión hasta 3 evaluadores

Annexes

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

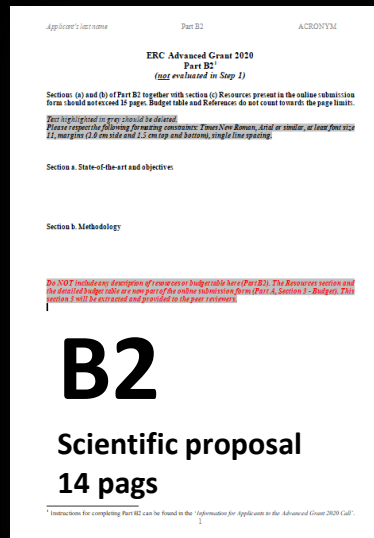
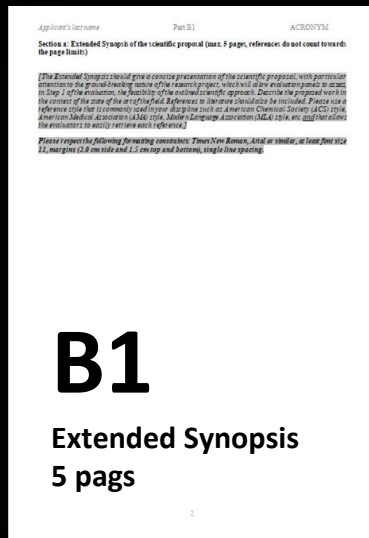
ERC 2022 Proposal – individual

One deadline | 2 steps evaluation process

2 step evaluation

- **B1 + B2**
- **Panel Members + External referees**

The ERC full proposal = B1 + B2 + **PartA***



Parte A – Formularios online
A1 General Information abstract

A2 Participants (GEP)

A3 Budget *

table + description (8000c)

A4 Ethics and security

A5 Other questions

% Time commitment*

Exclusión hasta 3 evaluadores

Annexes

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

Part B1 – documento pdf

- Cover Page and summary
- Extended Synopsis (5pags)
- Curriculum vitae (2pags)
- **Track-record (2p)**

Part B2 – documento pdf (14pags)

- SoA & objectives
- Methodology

ERC StG&CoG 2022 EVALUATION CRITERIA

Excellence is the sole evaluation criteria

applied to the PI + Research Project

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

Evaluation criteria StG&CoG 2022

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

Principal Investigator - Intellectual capacity and creativity

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

Research Project - Ground-breaking nature, ambition and feasibility

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

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

Scientific Approach

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

ERC StG&CoG 2022

Proposal B1a + B2

Abstract

Applicant's last name

Part B1

ACRONYM

ERC Advanced Grant 2019
Research proposal [Part B1]¹
(Part B1 is evaluated both 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

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. in 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.

Applicant's last name

Part B1

ACRONYM

ERC Consolidator Grant 2020

Research proposal [Part B1]¹

Fuse-based segmentation design: Avoiding
failure propagation in building structures
ENDURE

Cover Page:

- Name of the Principal Investigator (PI)
- Name of the PI's host institution for the project
- Proposal duration in months

José Miguel Adam
UPV

Summary:

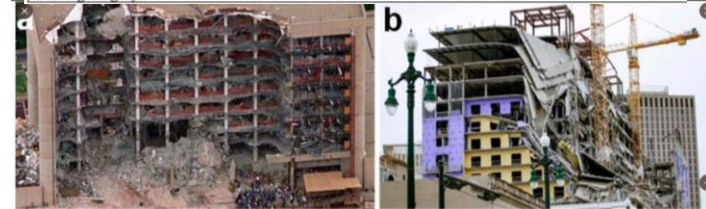
Extreme events often cause local-initial damage to the critical elements of building structures, followed by a cascade of further failures in the rest of the building; a phenomenon known as "progressive collapse". Current design philosophies are based on giving buildings extensive continuity, so that when a critical element fails its load can be re-distributed among the rest of the structure. However, in certain situations (e.g. initial failure of several columns) this extensive continuity introduces undesirable effects and actually increases the risk of progressive collapse.

Segmenting a building into individual units connected only by means of fuses would avoid a failure in one zone propagating to others. While such fuses would provide continuity for normal loads or small local-initial failure, they would "isolate" the different parts of the building when otherwise the forces generated by the initial failure would pull down the rest of the structure. Although fuse segmentation is probably the only alternative that can fill the gaps in the present design philosophies, so far, no studies have been carried out on the possibility of applying it to buildings.

Endure's overall aim is to develop a novel fuse-based segmentation design approach to limit or arrest the propagation of failures in building structures subjected to extreme events.

The project will be multidisciplinary and highly ambitious, and will achieve its overall aim by: 1) Developing a performance-based approach for the design of fuse-segmented buildings; 2) Designing, manufacturing and testing fuses for segmenting buildings; and 3) Implementing fuses in segmented realistic building prototypes and testing and validating the new fuse-based approach in these structures.

Endure will open up a new research area and design approach, and also deliver novel construction procedures. The project will lead to safer buildings, especially in the case of extreme events with severe consequences for building integrity.



¹ Instructions for completing Part B1 can be found in the "Information for Applicants to the Advanced Grant 2019 Call".

Ejemplo ficticio de portada con
proyecto financiado

Abstract

Summary:

Extreme events often cause local-initial damage to the critical elements of building structures, followed by a cascade of further failures in the rest of the building; a phenomenon known as “progressive collapse”. Current design philosophies are based on giving buildings extensive continuity, so that when a critical element fails its load can be re-distributed among the rest of the structure. *However, in certain situations (e.g. initial failure of several columns) this extensive continuity introduces undesirable effects and actually increases the risk of progressive collapse.*

Segmenting a building into individual units connected only by means of fuses would avoid a failure in one zone propagating to others. While such fuses would provide continuity for normal loads or small local-initial failure, they would “isolate” the different parts of the building when otherwise the forces generated by the initial failure would pull down the rest of the structure. *Although fuse segmentation is probably the only alternative that can fill the gaps in the present design philosophies, so far, no studies have been carried out on the possibility of applying it to buildings.*

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Endure will open up a new research area and design approach, and also deliver novel construction procedures. The project will lead to safer buildings, especially in the case of extreme events with severe consequences for building integrity.

@BldgResilient

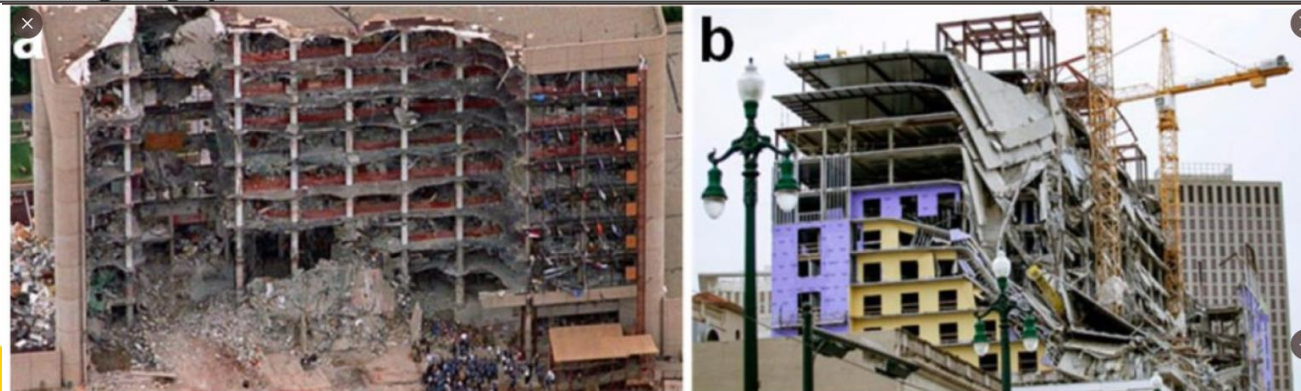
Writing an @ERC Research proposal?

Be sure that your ABSTRACT is attractive.

How we organised our abstract:

- ☐ The context of the proposal ('what' and 'why')
- ☐ The aim of the proposal
- ☐ How we will achieve the aim
- ☐ The expected outcomes and scientific impact

<https://twitter.com/BldgResilient/status/1432953869995319297/photo/1>



Abstract

Summary:

Extreme events often cause local-initial damage to the critical elements of building structures, followed by a cascade of further failures in the rest of the building; a phenomenon known as “progressive collapse”. Current design philosophies are based on giving buildings extensive continuity, so that when a critical element fails its load can be re-distributed among the rest of the structure. *However, in certain situations (e.g. initial failure of several columns) this extensive continuity introduces undesirable effects and actually increases the risk of progressive collapse.*

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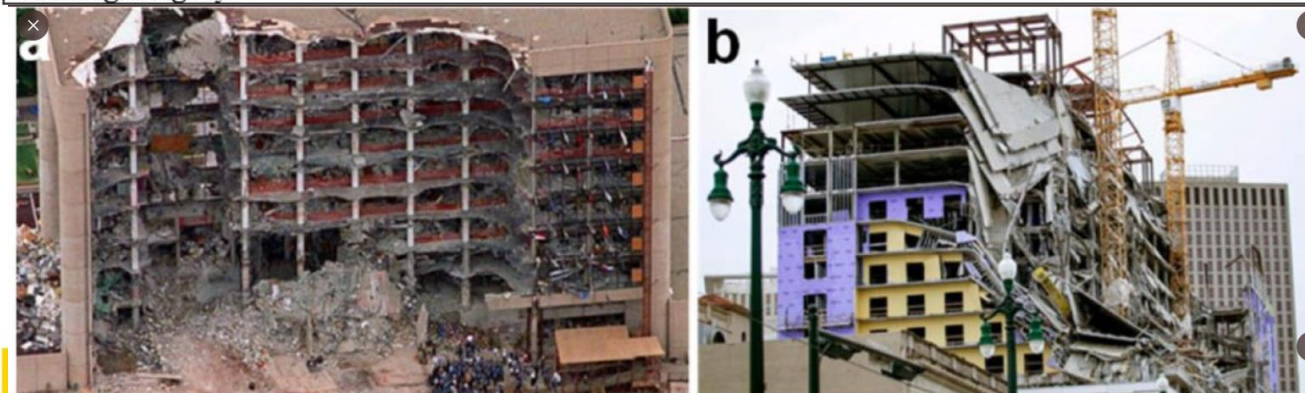
Endure will open up a new research area and design approach, and also deliver novel construction procedures. The project will lead to safer buildings, especially in the case of extreme events with severe consequences for building integrity.

The context of the proposal
(‘what’ and ‘why’)

The aim of the proposal

How we will achieve the aim

The expected outcomes and scientific impact



<https://twitter.com/BldgResilient/status/1432953869995319297/photo/1>

Abstract (A forms)

	Proposal Submission Forms European Research Council Executive Agency		
Proposal ID	SEP-210680754	Acronym	AdG-2020

1 - General information

Topic	ERC-2020-ADG	Type of Action	ERC-ADG
Call Identifier	ERC-2020-ADG	Deadline Id	ERC-2020-ADG
Acronym	AdG-2020		
Proposal title	<i>The title should be no longer than 200 characters (with spaces) and should be understandable to the non-specialist in your field.</i> <i>Note that for technical reasons, the following characters are not accepted in the Proposal Title and will be removed: < > * &</i>		
Duration in months			
Primary ERC Review Panel*	LS6 - Immunity and Infection		
Secondary ERC Review Panel	(if applicable)		
ERC Keyword 1*	As first keyword please choose one which is linked to the Primary Review Panel. <i>Please select, if applicable, the ERC keyword(s) that best characterise the subject of your proposal in order of priority.</i>		
ERC Keyword 2	Not applicable		
ERC Keyword 3	Not applicable		
ERC Keyword 4	Not applicable		
Free keywords	In addition, please enter free text keywords that you consider best characterise the scope of your proposal. The choice of keywords should take into account any multi-disciplinary aspects of the proposal.		

	Proposal Submission Forms European Research Council Executive Agency		
Proposal ID	SEP-210680754	Acronym	AdG-2020

Abstract*

Short Summary	
Idéntico al de la B1	
Remaining characters	1986

In order to best review your application, do you agree that the above non-confidential proposal title and abstract can be used, without disclosing your identity, when contacting potential reviewers?*

☐ Yes ☐ No

The abstract will be used as a short description of your research proposal in the evaluation process and in communications to contact in particular the potential remote referees.

Abstract (A forms)

El **abstract** sin datos personales es la información que se manda a los referees externos después del panel meeting de la 1ª fase de la evaluación para que intervengan evaluando durante la segunda fase de la evaluación

The screenshot shows the 'Proposal Submission Forms' page for the European Research Council Executive Agency. It includes a header with the ERC logo and the agency name. Below this, a blue bar contains the 'Proposal ID' (SEP-210680754) and the 'Acronym' (AdG-2020). The main section is titled 'Abstract*' and contains a large text area for the 'Short Summary'. At the bottom of this section, it indicates 'Remaining characters' and the number '1986'.

In order to best review your application, do you agree that the above non-confidential proposal title and abstract can be used, without disclosing your identity, when contacting potential reviewers?*

☐ Yes

☐ No

Se fijan en las **Free keywords** proporcionadas para identificar a los potenciales Referees externos

Free keywords

In addition, please enter free text keywords that you consider best characterise the scope of your proposal. The choice of keywords should take into account any multi-disciplinary aspects of the proposal.

¿Por dónde empezar?

Applicant's last name Part B1 ACRONYM

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

[The Extended Synopsis should give a concise presentation of the scientific proposal, with particular attention to the groundbreaking 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. References to literature should also be included. Please use a reference style that is commonly used in your discipline such as American Chemical Society (ACS) style, American Medical Association (AMA) style, Modern Language Association (MLA) style, etc. and that allows the evaluators to easily retrieve each reference.]

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.

B1

5 pages



ó

Applicant's last name Part B2 ACRONYM

**ERC Advanced Grant 2020
Part B2¹
(not evaluated in Step 1)**

Sections (a) and (b) of Part B2 together with section (c) Resources present in the online submission form should not exceed 15 pages. Budget table and References do not count towards the page 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.

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 now part of the online submission form (Part A, Section 3 - Budget). This section 3 will be extracted and provided to the peer reviewers.

B2

14 pages

¹ Instructions for completing Part B2 can be found in the 'Information for Applicants to the Advanced Grant 2020 Call'.



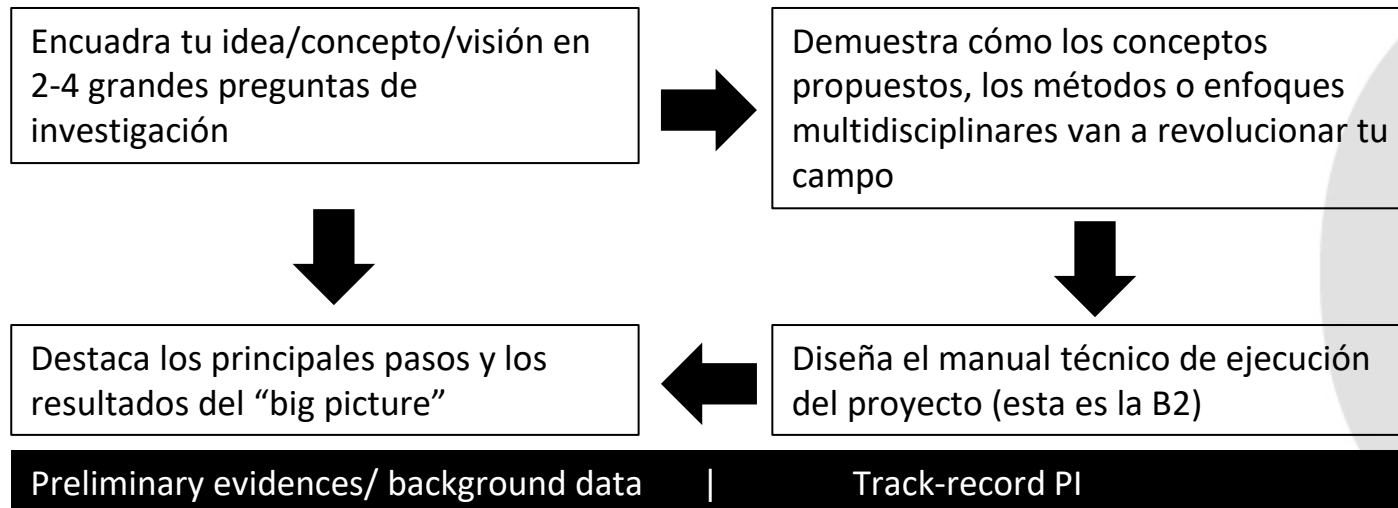
¿Por dónde empezar?

Olvida de los templates: empieza pensando sin límites.

Piensa en cuál es tu **Visión**, tu **Concepto**, tu **IDEA**.

Piensa en la **naturaleza high risk – high gain** de tu Visión, tu Concepto, tu IDEA. La gran ganancia tiene que ser evidente, tanto para semi-expertos como para muy expertos. Asegúrate de que sabes cómo vas a revolucionar tu campo de investigación.

Vuelve a los templates: dedica la misma atención y esfuerzo a la B1 ya la B2. Recuerda que estás solicitando financiación para un grupo entero, no únicamente para ti durante 5 años. **Dimensiona la idea a los 1,5-2M€ que da la convocatoria StG&CoG**





Each proposal page:

header [PI's last name, acronym of the proposal, and the reference to the respective proposal section (Part B1 or Part B2)]

Page Format	Font Type	Font Size	Line Spacing	Margins
A4	Times New Roman Arial or similar	At least 11	Single	2 cm side 1.5 bottom

Page limits will be strictly applied!

ERC 2022 templates



- Important challenges
- Ambitious objectives (novel concept or approach)
- High-risk/high-gain balance
- Feasibility of outlined scientific approach
- Appropriate methodology and working arrangements
- Novel methodology
- Timescales and resources and PI commitment

Section B1a (Extended Synopsis)

Applicant's last name

Part B1

ACRONYM

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

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.

References to literature should also be included.

GfA StG&CoG2022 p.22

Section a: Extended Synopsis of the scientific proposal (max. 5 pages) should contain all essential information including **the feasibility of the scientific proposal** since the panel will only evaluate Part B1 at Step 1.

References should be included (they do not count towards the page limits).

****(see 'Information for Applicants to the StG&CoG2022 Call'– instructions for completing 'Part B' of the proposal)***

Section B2 (Scientific Proposal)

Applicant's last name

Part B2

ACRONYM

ERC Advanced Grant 2020
Part B2¹
(not evaluated in Step 1)

Part B2 (References should be included – they do not count towards the page limit)

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

Section b. Methodology

The limit of **14 pages** applicable to the 'Scientific Proposal' as per the ERC WP 2021 will apply to Part B2.

Do NOT include any description of resources or budget table here (Part B2).

¹ Instructions for completing Part B2 can be found in the 'Information for Applicants to the Advanced Grant 2020 Call'.

***(see 'Information for Applicants to the StG&CoG2022 Call' – instructions for completing 'Part B' of the proposal)**

*GfA StG&CoG2022 p.20**

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

Specify the proposal **objectives in the context of the state of the art** in the research field. It should be clear **how** and **why** the proposed work is important for the field, and what **impact** it will have if successful, such as how it may open up new horizons or opportunities for science, technology or scholarship. Specify any particularly challenging or **unconventional aspects** of the proposal, including multi- or inter-disciplinary aspects.

Section b. Methodology

Describe the proposed methodology in detail including any **key intermediate goals**. Explain and justify the **methodology in relation to the state of the art**, and particularly novel or unconventional aspects addressing the 'high-risk/high-gain' balance. Highlight **any intermediate stages** where results may require adjustments to the project planning. In case you ask that team members are engaged by another host institution, their participation has to be fully justified by the scientific added value they bring to the project.

Evaluation criteria StG&CoG2022

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

Research Project - Ground-breaking nature, ambition and feasibility

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

- To what extent does the proposed research address important challenges?
- To what extent are the objectives ambitious and beyond the state of the art (e.g. novel concepts and approaches or development between or across disciplines)?
- To what extent is the proposed research high risk-high gain (i.e. if successful the payoffs will be very significant, but there is a high risk that the research project does not entirely fulfil its aims)?

Scientific Approach

- To what extent is the outlined scientific approach feasible bearing in mind the extent that the proposed research is high risk/high gain? (B1)
- To what extent are the proposed research methodology and working arrangements appropriate to achieve the goals of the project? (B2)
- To what extent does the proposal involve the development of novel methodology? (B2)
- To what extent are the proposed timescales, resources and PI commitment adequate and properly justified? (B2)

Dimensiones del proyecto

Ground-breaking nature and potential impact of the research project

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

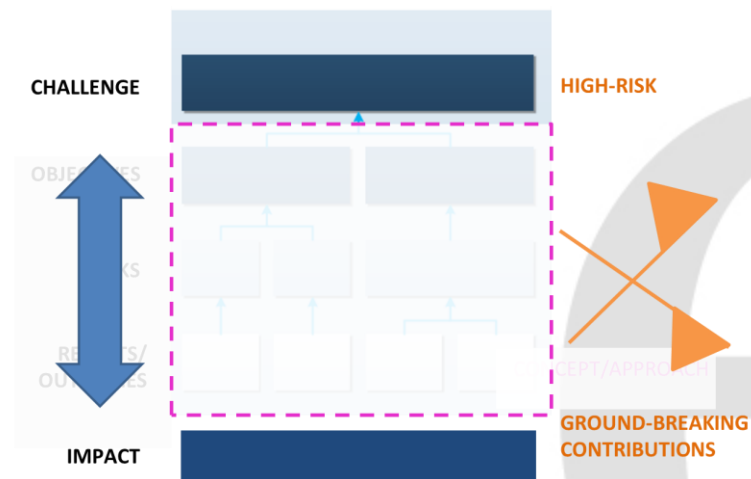
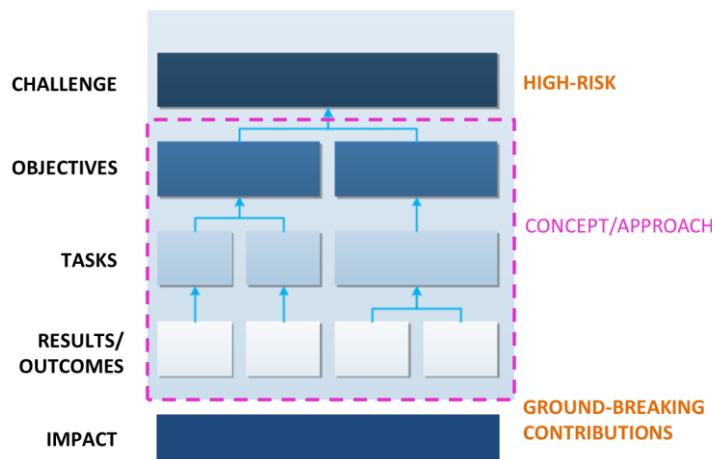
research high risk-high gain

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

Estructura

Narración de la propuesta encuadrada en un marco lógico-conceptual que permita entender la ejecución del proyecto como consecuencia de un conjunto de acontecimientos relacionados y que tienen un orden conceptual.

Hilo argumental que conteste a los criterios de evaluación



Estructura – B1

Headings

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 approachhigh risk/high gain? (B1)
- research methodology and working arrangements? (B2)
- development of novel methodology (B2)
- timescales, resources and PI commitment adequate? (B2)

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

- high risk-high gain research (B1+B2)

Estructura – B2

Headings

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 approachhigh risk/high gain? (B1)
- research methodology and working arrangements? (B2)
- development of novel methodology (B2)
- timescales, resources and PI commitment adequate? (B2)

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

- high risk-high gain research (B1+B2)

Estructura – first page of your proposal

B1 & B2

Description of the State of the Art



vs.

What we want to achieve



Estructura – first page of your proposal

B1 & B2



It takes just one-tenth of a second for us to judge someone and make a first impression.

Wargo, E (2006). "How many seconds to a first impression?". *The Observer*. 19.



Estructura –first page of your proposal

Synthesis

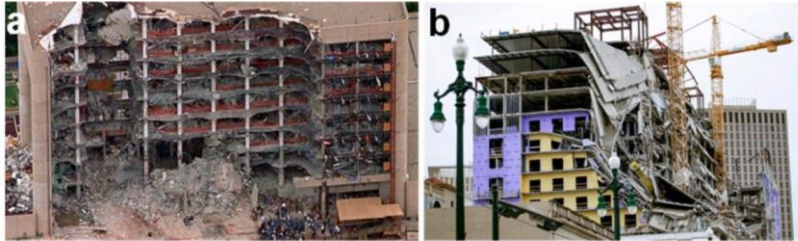


Fig. 1. a) Murrah Federal Building after three columns failed due to a bomb explosion (Oklahoma 1995); b) Hard Rock Hotel after part of the building failed while under construction (New Orleans 2019)

The overall aim of *Endure* is to develop a novel fuse-based segmentation design approach to limit or arrest the propagation of failures in building structures subjected to extreme events.

To achieve its defined overall aim, *Endure* will have four **specific objectives**:

- ⇒ **Objective 1:** To develop a performance-based approach for the design of fuse-segmented buildings.
- ⇒ **Objective 2:** To design, manufacture and test fuses for segmenting buildings.
- ⇒ **Objective 3:** To implement fuses in segmented building structures and to validate and test the new fuse-based approach in realistic building prototypes.
- ⇒ **Objective 4:** To engage with industry experts and code-issuing entities, and disseminate-communicate the project's outcomes.

@BldgResilient

Writing an @ERC Research proposal?

First page of your proposal

The key to success

- ❑ How we made it attractive:
 1. A figure showing what we wanted to solve
 2. Clearly define the overall aim of the project
 3. Objectives associated with the overall aim

<https://twitter.com/BldgResilient/status/1441019542495453190>

...important challenges

¿Cuál es la Gran Pregunta de Investigación?

¿Qué es lo que tenemos que entender?

¿Qué es lo que debemos saber sobre (X fenómeno) para poder empezar a hacer algo que impacte en Y (campo científico, industria, sociedad,...)?

¿Cómo es la naturaleza de este reto que quieres acometer?

¿Es un reto teórico, conceptual, aplicado?

¿Es un reto común en tu campo de investigación?

por ej. curar el cáncer...

En este caso el proyecto necesitará de una idea y concepto de proyecto radicalmente novedosa

...important challenges

¿Cuál es la Gran Pregunta de Investigación?



Gran Respuesta de Investigación

Breakthrough

¿Cómo vamos a dirigirnos a los challenges y cómo vamos a combinar los resultados para que éstos constituyan una simetría de lo que es el challenge?

...important challenges

¿Cuál es la Gran Pregunta de Investigación?



...important challenges

¿Cuál es la Gran Pregunta de Investigación?

Turbulence is a fundamental unsolved problem, at whose core are the multiscale processes that transfer, for example, energy across the inertial range of scales, or momentum across wall-bounded shear flows.

Turbulence is also key to applications, from industrial design and energy generation to climate dynamics, where the worst uncertainties are often due to its modelling....

The premise of this proposal is that those **new capabilities should allow us to elucidate, once and for all, the physics underlying the multiscale transfer processes in turbulence in the next five years**, especially in shear flows near walls. That will allow the formulation of more realistic engineering models, but the immediate goal of the proposal is to answer the fundamental questions that have resisted two centuries of attack by physicists and engineers [...]

Neither large-scale computing nor data mining are trivial activities, but **our group has specialised in both during the past 20 years, particularly for the study of turbulence.**

Multiscale dynamics of turbulent flows

MULTIFLOW ERC-2010-AdG PE8

challenge

**Groundbreaking nature/
Groundbreaking contributions**

feasibility

...ambitious objectives beyond SoA

¿Cómo presentar los objetivos?

separadamente

en combinación con preguntas de investigación

en combinación con conjeturas/hipótesis...

Objetivos más allá del Estado del Arte

- Demostrar por qué los objetivos del proyecto son ambiciosos con respecto a lo que se ha hecho hasta ahora (POR TI/por otros)
 - El SoA ayuda a clarificar conceptos y términos usados durante la escritura del proyecto
 - Ayuda a entender cuáles son los gaps del campo y, por tanto, ayuda a entender la necesidad de responder AHORA y POR TI a esa Gran Pregunta de Investigación
 - Demuestra el conocimiento del IP en los problemas metodológicos, conceptuales, teóricos de campo
 - Demuestra el sentido crítico del IP con sus aportes previos al SoA
- ✓ **Preliminary evidence, preliminary data**

...ambitious objectives beyond SoA

- Operacionalizar la Gran Pregunta de Investigación

The overall objective of this project is:

R

To study the associations between the social and physical features of the urban environment in relation to population cardiovascular health.

The secondary objectives are the following:

R

To run a formative research phase using an qualitative approach to identify and understand the main features of the environment in relation to CVD and the main pathways of this relation.

R

To develop a methodology based on state of the art techniques to characterize the social and physical urban environments in a systematic and accurate fashion.

R

To compare the already studied relation between the urban environment and cardiovascular health in the United States with this relation in Europe.

R

To evaluate naturally occurring changes (natural experiments) such as public policy interventions occurring during the time of the study modifying the food and physical activity environment.



Groundbreaking contributions
Generar evidencia científica relevante
para prevenir la 1ª causa de muerte en
EU a nivel poblacional

Fuente: <https://hhhproject.eu/starting-grant>
Manuel Franco UAH

...Novel concepts and approaches or developments between or across disciplines

El concepto y enfoque sería la idea subyacente (considerada en su conjunto) de la propuesta

Una idea no convencional

- nuevos conceptos que no existían antes
- uso de conceptos existentes a un contexto o campo diferente
- nuevas combinaciones de principios científicos relacionados
- nuevas combinaciones de principios científicos no relacionados hasta ahora

Una nueva idea necesitará un nuevo enfoque

novel theoretical framework (SH)

...Novel concepts and approaches or developments between or across disciplines

Air transport has by and large been studied as a transportation process, in which different elements, e.g. aircraft or passengers, move within the system. While intuitive, this approach entails several drawbacks [...]. The lack of a better approach is in part responsible for our inability to fully understand delay propagation, one of the most important phenomena in air transport. ARCTIC proposes an ambitious program to change the conceptual framework used to analyse air transport, inspired by the way the brain is studied in neuroscience. It is based on understanding air transport as an information processing system, in which the movement of aircraft is merely a vehicle for information transfer. [...] The approach also entails important challenges, [...] point towards a radically new way of thinking about the dynamics of air transport. [...]

**Novel
concept**

Air Transport as Information and Computation ARCTIC ERC-2019-STG SH2

Feasibility- Evidencias o datos preliminares

Publicados o no publicados

... pero siempre del Investigador Principal

How to have an idea

- *Be “close” to your data*

Team effort

- *Members of your research group work to help provide the preliminary data*

Bryan Strange

RememberEx - Human Subcortical-Cortical Circuit

Dynamics for Remembering the Exceptional ERC-2018-

COG LS5

Especial atención a cuestiones que susciten controversia en la comunidad científica

Feasible scientific approach vs. methodology

B1a

- *feasible outlined scientific approach bearing in mind the research is high risk/high gain*

- Concise and clear (5 pages)
- All the essential information
- General overview of the project
- Emphasis on ground-breaking nature
- **Feasibility** ($\neq$ detailed methodology)
- Support feasibility with preliminary evidences
- Know your competitors and the state-of-art
- Why is your idea and scientific approach outstanding? Potential High gain
- **Risk assessment**
- Explain collaborations
- Research design

B2

- *research methodology and working arrangements*
- *development of novel methodology*
- *timescales, resources and PI commitment*

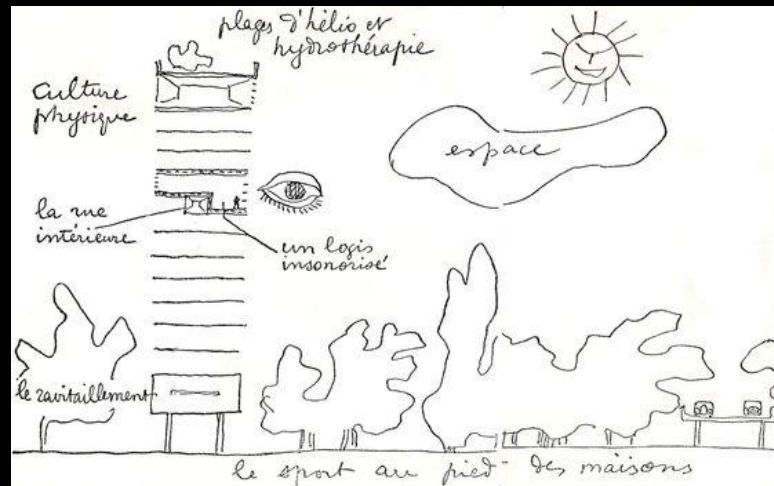
- Do not repeat extensively from part B1. Do not copy-paste
- Provide detail –thoroughly- on **methodology**, work plan, selection of case studies,...
- Explain any **risk mitigation strategy**
- Explain your timeline, link them to the research objectives or tasks.
- Explain need of additional team members (if applicable)

Feasible scientific approach vs. methodology

Grado de detalle...

B1a: “feasible outlined scientific approach bearing in mind the research is high risk/high gain”

B1a



Idea de concepto:

Le Corbusier | Unite d'Habitation | Marsella, Francia | 1945-1952

Feasible scientific approach vs. methodology

Grado de detalle...

B2: “methodology appropriate to achieve the goals”



Impacto más allá de los 5 años...

El proyecto ejecutado



Le Corbusier | Unite d'Habitation |
Marsella, Francia | 1945-1952



Uno de los típicos microdistritos de la capital georgiana de Tiflis (Tbilisi).

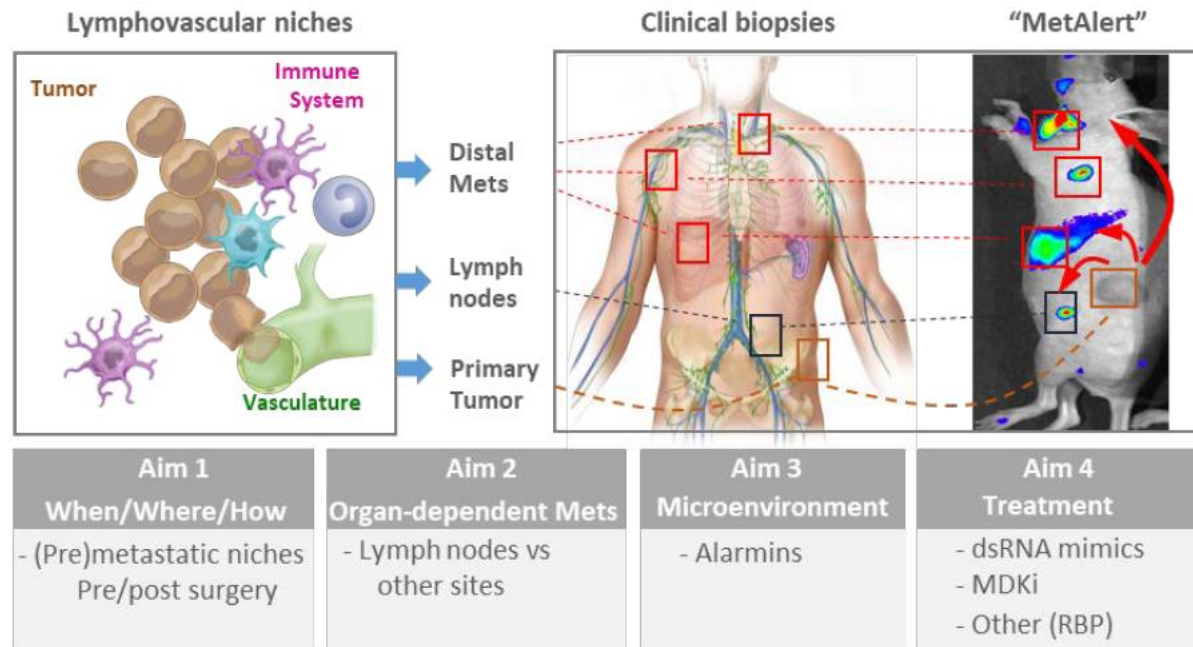
Gráfica/diseño de la metodología investigación

María S. Soengas (LS4) AdG 2019

METALERT-STOP

Imaging, characterizing and targeting
metastatic niches in melanoma

B1



Fuente: <https://eshorizonte2020.es/ciencia-excelente/consejo-europeo-de-investigacion-erc/noticias/documentacion-jornada-informativa-nacional-european-research-council-convocatorias-2021>

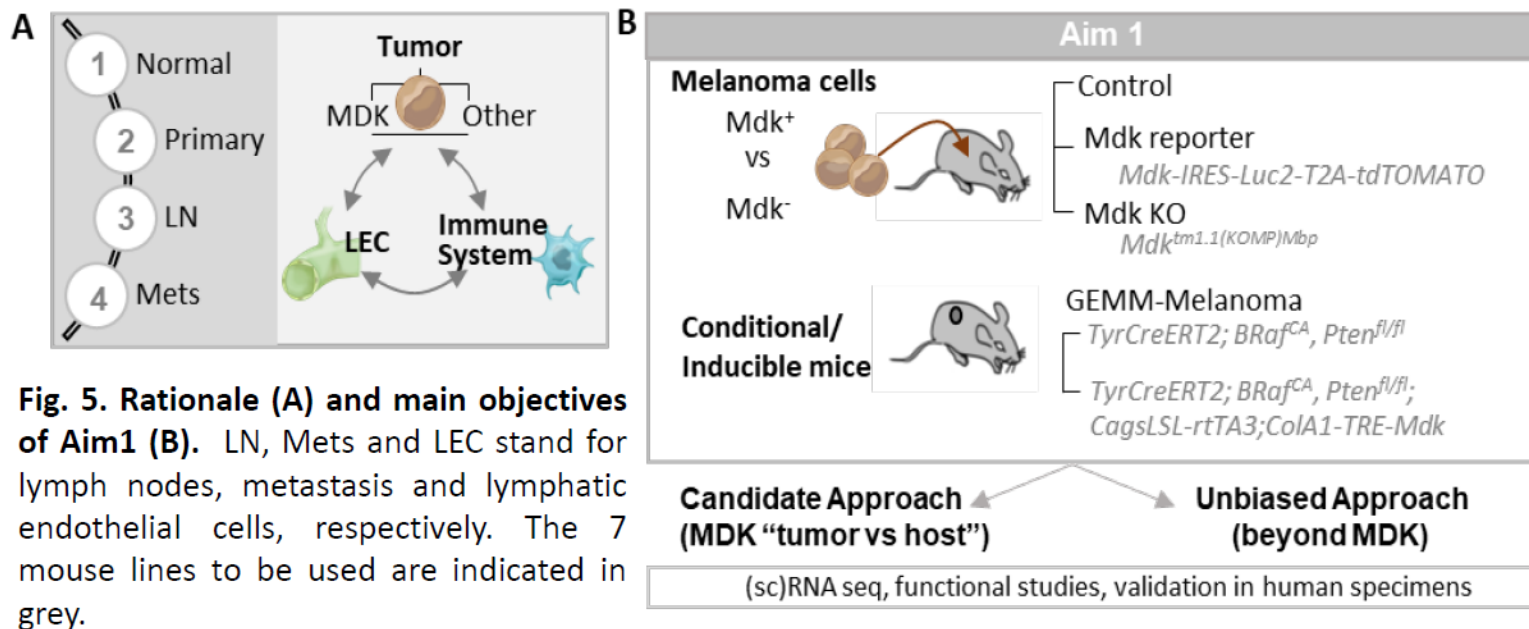
Gráfica/diseño de la metodología investigación

María S. Soengas (LS4) AdG 2019

METALERT-STOP

Imaging, characterizing and targeting
metastatic niches in melanoma

B2



Fuente: <https://eshorizonte2020.es/ciencia-excelente/consejo-europeo-de-investigacion-erc/noticias/documentacion-jornada-informativa-nacional-european-research-council-convocatorias-2021>

Feasible scientific approach vs. methodology

B2

- *research methodology and working arrangements*

- *development of novel methodology*

- *timescales, resources and PI commitment*

- Strategy to achieve the workplan. **HOW?**
- **WPs/objectives/aims > tasks > outcomes**
- Methods, data, tools per WP
- NO: one single way/ waterfall design
- **Complexity**, loops, iterative design
- **Key Intermediate Goals**. Time-based

- **New** methods, techniques, tools, data.
- Known methodology used for the first time in another field
- No new methodology > no high risk > no high gain

- Timeline and human resources per objective and or task
- Expertise needed per objective. Team composition during the 5years.
- Your commitment to the project (leader of your research team)

...high-risk/high-gain research

Terminar la narrativa haciendo un repaso conciso a este criterio de evaluación: análisis de impacto en un apartado separado al final de la propuesta a modo de síntesis

The expected impacts must be listed in the text.

High-gain in your field and in adjacent fields

Suggest the direction your field of research should follow

Risk mitigation strategy (conceptual risks vs. operational risks)

Preliminary evidence

Does this risk justify the potential gain?

“Risk assessment is more than a proof of maturity. It shows your way of thinking and that your choices were not picked randomly, but that you thought of all options available” Odeta Limaj Officer ERCEA

The ERC funds frontier research (basic and applied). For applied projects, discuss what are the contributions to basic science

Contributions vs. Publications

The impact

high-risk/high-gain research

¿Cómo presentarlo en la propuesta? *(aquí un ejemplo)*

B1

Beyond the State of the art

- gap del campo general
- gap del campo específico

Novelties del proyecto

- Challenge
- Specific objectives
- Methodology

Impacto

- al campo general
- al campo concreto
- impactos colaterales (sociedad, industria)

B2

Objective

Risk (high / medium)

PI background / contingency plan – Plan B

Gain (high)

Novelty and Impact

Typical reasons for rejection

Principal Investigator

Unconvincing on:

- Track record
- Experience in leadership

Research proposal

Incremental research

Scope: Too narrow or too broad/
Unfocussed

Incremental research

Work plan not detailed
enough/unclear

Insufficient risk assessment

Interview not convincing

B1



B2

Cuestiones prácticas

1. **Piensa cómo empezar la B1a**
2. **No existe posibilidad de corregir errores entre la fase 1 y la fase 2.**
3. **No digas simplemente que tu propuesta es excelente, *¡Demuéstralo!***
4. **Usa cualquier recurso gráfico que facilite la comprensión**
negrita, headings, figuras, esquemas.
cuidado con los hipervínculos y los colores
Cuidado con abreviaciones y jerga muy científica
5. **Sé muy específico (many, some, would,...)**
6. **¿En qué persona narro mi historia? I/The PI/We**
Toma responsabilidad personal por la ideación de la propuesta de investigación
7. **Dale un toque personal**
8. **Ilusiónate y transmite tu pasión por la disciplina**

The budget

The budget

3 - Budget

?

Beneficiary Short Name	PI	Senior Staff	Postdocs	Students	Other Personnel costs	A. Total personnel costs/€	B. Subcontracting Costs/€ (No indirect costs)	C.1 Travel and subsistence	C.2 Equipment - including major equipment	Consumables incl. fieldwork and animal costs	Publications (incl. Open Access fees) and dissemination	Other additional direct costs	C.3 Total other goods, works and services	Total Purchase costs/€	D. Internally invoiced goods and services/€ (No indirect costs)	E. Indirect Cost/€	Total Eligible Costs	Requested EU contribution /€
	0	0	0	0	0	0.00	0	0	0	0	0	0	0.00	0.00		0.00	0.00	0.00
Total	0	0	0	0	0	0.00	0	0	0	0	0	0					0.00	0.00

Host Institution rules apply!

A. Total personnel costs

- PI + Team members >team composition over the years

B. Subcontracting costs (no OH)

C. Total purchase costs

C.1 Travel and subsistence

C.2 Equipment including major equipment

> depreciation costs

C.3 Total other goods, works and services

- Consumables including fieldwork and animal costs
- Publications (including Open Access fees and dissemination) > OA mandatory
- Other additional direct costs

D. Internally invoiced goods and services (no OH)

E. Indirect Costs > 25% Direct Costs flat rate

TOTAL ELIGIBLE COSTS

REQUESTED EU CONTRIBUTION

Additional budget

- (a) 'start-up' costs for a PI moving from another country to the EU or an AC
- (b) the purchase of major equipment
- (c) access to large facilities
- (d) other major experimental and field work costs, excluding personnel costs,

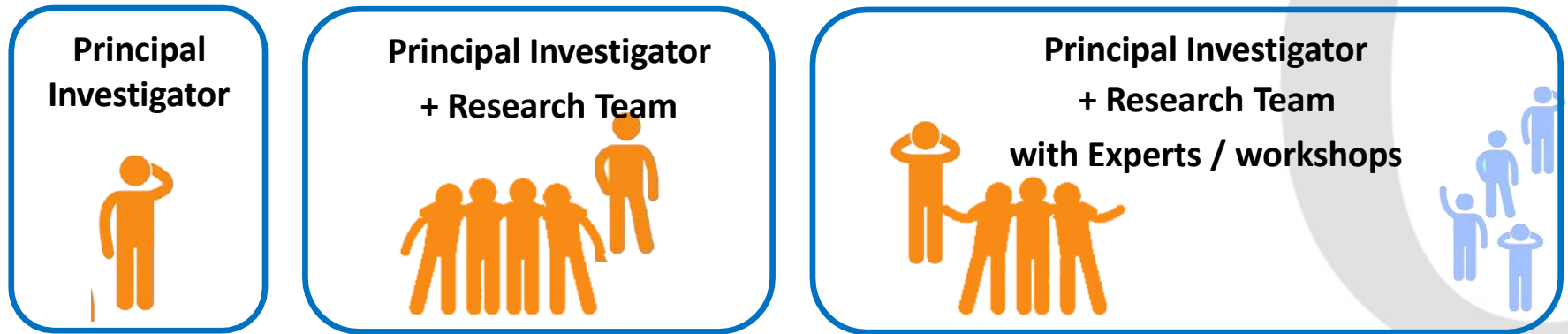


Project Budget

All funding requested is assessed during second step of the evaluation process.

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.

The PI + Team Members



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

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

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

A nivel de propuesta se definen roles necesarios.

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

Team Members

Los **team members** pueden ser del grupo de investigación o pueden ser nuevas personas. Pueden estar en la Host Institution o en otra institución.

Ejemplo:

El PI necesita tener a un posdoc trabajando en una institución alemana ya que ahí hay equipamiento especializado para llevar a cabo algunos experimentos necesarios para la acción.

Opciones (máxima flexibilidad)

1. Team member contratado en la HI española; usa el equipamiento del laboratorio alemán en acuerdo con la *additional legal entity*.
2. Team member contratado directamente por el laboratorio alemán (*in-kind contribution provided outside the premises*)

Ethics self-assessment

Forms A. Part 4. Ethics issues table + Ethics Self-Assessment

erc Proposal Submission Forms
European Research Council Executive Agency

Proposal ID **SEP-210640862** Acronym **CoG 2020**

4 - Ethics

1. HUMAN EMBRYOS/FOETUSES		Page
Does your research involve Human Embryonic Stem Cells (hESCs) ?	☐ Yes ☒ No	
Does your research involve the use of human embryos?	☐ Yes ☒ No	
Does your research involve the use of human foetal tissues / cells?	☐ Yes ☒ No	
2. HUMANS		Page
Does your research involve human participants?	☒ Yes ☐ No	RANGO Ó Nº PAG
Does your research involve physical interventions on the study participants?	☐ Yes ☒ No	
3. HUMAN CELLS / TISSUES		Page
Does your research involve human cells or tissues (other than from Human Embryos/Foetuses, i.e. section 1)?	☐ Yes ☒ No	
4. PERSONAL DATA		Page
Does your research involve personal data collection and/or processing?	☐ Yes ☒ No	
Does your research involve further processing of previously collected personal data (secondary use)?	☐ Yes ☒ No	
5. ANIMALS		Page
Does your research involve animals?	☐ Yes ☒ No	
6. THIRD COUNTRIES		Page
In case non-EU countries are involved, do the research related activities undertaken in these countries raise potential ethics issues?	☐ Yes ☒ No	
Do you plan to use local resources (e.g. animal and/or human tissue samples, genetic material, live animals, human remains, materials of historical value, endangered fauna or flora samples, etc.)?	☐ Yes ☒ No	
Do you plan to import any material - including personal data - from non-EU countries into the EU?	☐ Yes ☒ No	
Do you plan to export any material - including personal data - from the EU to non-EU countries?	☐ Yes ☒ No	
In case your research involves low and/or lower middle income countries , are any benefits-sharing actions planned?	☐ Yes ☒ No	
Could the situation in the country put the individuals taking part in the research at risk?	☐ Yes ☒ No	

erc Proposal Submission Forms
European Research Council Executive Agency

Proposal ID **SEP-210640862** Acronym **CoG 2020**

7. ENVIRONMENT & HEALTH and SAFETY		Page
Does your research involve the use of elements that may cause harm to the environment, to animals or plants?	☐ Yes ☒ No	
Does your research deal with endangered fauna and/or flora and/or protected areas?	☐ Yes ☒ No	
Does your research involve the use of elements that may cause harm to humans, including research staff?	☐ Yes ☒ No	
8. DUAL USE		Page
Does your research involve dual-use items in the sense of Regulation 428/2009, or other items for which an authorisation is required?	☐ Yes ☒ No	
9. EXCLUSIVE FOCUS ON CIVIL APPLICATIONS		Page
Could your research raise concerns regarding the exclusive focus on civil applications?	☐ Yes ☒ No	
10. MISUSE		Page
Does your research have the potential for misuse of research results?	☐ Yes ☒ No	
11. OTHER ETHICS ISSUES		Page
Are there any other ethics issues that should be taken into consideration? Please specify	☐ Yes ☒ No	

I confirm that I have taken into account all ethics issues described above and that, if any ethics issues apply, I will complete the ethics self-assessment and attach the required documents. ☐

[How to Complete your Ethics Self-Assessment](#)

Ethics self-assessment

Forms A. Part 4. Ethics issues table + **Ethics Self-Assessment**

Application forms

Table Of Contents

Validate Form

Save

Save&Close

Proposal ID SEP-210805257

Acronym prueba

Ethics Self-Assessment

?

Ethical dimension of the objectives, methodology and likely impact

Explain in detail the identified issues in relation to:

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

Remaining characters

5000

Compliance with ethical principles and relevant legislations

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

Ethics Self-Assessment

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

Ethics self-assessment

Forms A. Annexes

LOGIN FUNDING SCHEME CREATE DRAFT PARTIES EDIT PROPOSAL SUBMIT

Step 5

Edit Proposal

ERC-2020-ADG

USER NAME
Laura MOHEDANO

TOPIC
ERC-2020-ADG

TYPE OF ACTION
ERC-ADG

ACRONYM
AdG Webinar

DRAFT ID | SEP-210685592

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

96 days left until closure

Download Part B Templates

Visit our 'How to' user guide

Visit our 'H2020 Online Manual'

Edit Proposal

In this step you can:

WARNING: You cannot edit the proposal after the deadline.

Administrative information

Edit will open a new window.

Part B and Annexes

In this section you can upload any other relevant documents.

Part B1

Part B2

Host Support

Extra annex 1

Extra annex 2

Extra annex 3

Extra annex 4

Extra annex 5

Extra annex 6

Extra annex 7

Extra annex 8

upload

upload

upload

upload

upload

upload

upload

upload

ethical issues annexes

<< Step 4 - Parties validate submit

Ethics self-assessment

Part B2

Proporcionar una descripción narrativa de los problemas éticos asociados a la propuesta (en), asegurándose de cubrir todos los temas marcados en la tabla de cuestiones éticas.

- Descripción de los posibles problemas éticos de la acción propuesta con respecto a sus objetivos; la metodología y las posibles implicaciones de los resultados;
- Explicación de cómo se cumplirán los requisitos éticos establecidos en el programa de trabajo;
- Declaración sobre cómo la propuesta cumple con los requisitos éticos y legales nacionales de la UE y / o del tercer país donde se llevará a cabo la acción;
- Indicación de qué autorizaciones particulares pueden ser necesarias durante la vida del proyecto.

ERC Evaluation Summary Reports

Estructura del Evaluation Summary Report -ESR

Panel 157, Page 1 (Continued)

Step 1: Evaluation Report

CONFIDENTIAL

Left reference: [Redacted]
Activity: [Redacted]
Project reference: [Redacted]
Project title: [Redacted]
Applicant: [Redacted]
Applicant's name: [Redacted]
Title: [Redacted]

EVALUATION CRITERIA

Criterion 1: RESEARCH POTENTIAL
 Research potential: nature and potential impact of the research project
 To what extent does the proposed research address important challenges?
 To what extent does the applicant anticipate and report the state of the art (big, novel concepts and expertise in development relevant to service disruption)?
 To what extent is the proposed research high-impact/high gain (i.e. it addresses the specific will be very significant, but there is higher than normal risk to the research project due to safety, left to right)?

Scientific Approach
 To what extent is the scientific approach feasible/leading in mind the extent that the proposed research is high-impact/high gain (based on the Extended Summary)?

Criterion 2: RESEARCH QUALITY
 Research quality: quality and reliability of the research project
 To what extent has the PI demonstrated the ability to conduct ground-breaking research?
 To what extent does the PI provide evidence of research excellence?
 To what extent does the PI have the required scientific expertise and capacity to successfully execute the project?

PANEL SCORE AND RANKING RANGE

Final panel score: 5 (out of 10) [Redacted]
Ranking range: 40-50%
 For your information, only the top 20% of the proposals submitted are ranked in the next step.

Panel 157, Page 2 (Continued)

PANEL COMMENT

This evaluation report contains the final score awarded by the ERC review panel during the first step of the ERC Consolidator Grant review and the ranking range. The discussion of the panel was conducted within the context of the individual reviews submitted by ERC panel members.

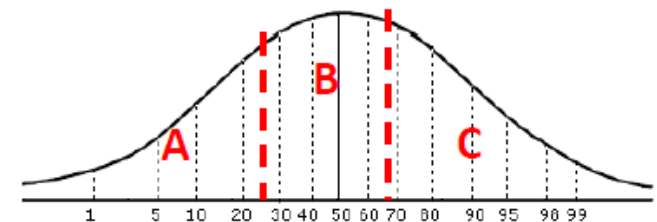
The panel closely examined all the individual review reports and, while not necessarily subscribing to each and every opinion expressed, found that they provide a fair overall assessment. The comments of the individual reviewers were the basis for the discussion and the final recommendation of the panel, and are included in this report.

The panel acknowledged that the development of a new drug delivery system that can harness the host immune system to target tumor tissues is of significance. The panel noted the high interdisciplinary nature of the proposal. The panel however, was not convinced of the novelty of the scientific approach. Similar concepts using stimuli such as pH, prostaglandin have been extensively studied. The panel also noted that the PI has an excellent publication track record and has demonstrated independence.

Overall the panel considers this proposal to be of reasonably good quality. However, based on the combined set of criteria used in the assessment it was not ranked highly enough to be retained for Step 2. The panel therefore recommends that the proposal should not be retained for Step 2 and should not be considered for funding.

Cover sheet: basic info about the proposal (PI, Title, HI), [Redacted]

Final score + ranking range



Panel Comment

Individual reviews: different roles

Outstanding (4 points)
 Excellent (3 points)
 Very good (2 points)
 Good (1 point)

Panel 157, Page 3 (Continued)

REVIEWER COMMENTS

The following individual reviews have been carried out independently prior to the panel meeting and do not necessarily reflect the panel's final opinion.

Reviewer 1

Research Potential
 Research potential: nature and potential impact of the research project
 The proposal aims at the recovery of historic buildings, a formerly highly successful way of construction, which has lost its value. The proposal is a very good example of a research project that is both scientifically and socially relevant. The proposal is a very good example of a research project that is both scientifically and socially relevant. The proposal is a very good example of a research project that is both scientifically and socially relevant.

Research Quality
 Research quality: quality and reliability of the research project
 The proposal is a very good example of a research project that is both scientifically and socially relevant. The proposal is a very good example of a research project that is both scientifically and socially relevant. The proposal is a very good example of a research project that is both scientifically and socially relevant.

Panel 157, Page 4 (Continued)

REVIEWER COMMENTS

The following individual reviews have been carried out independently prior to the panel meeting and do not necessarily reflect the panel's final opinion.

Reviewer 2

Research Potential
 Research potential: nature and potential impact of the research project
 The proposal aims at the recovery of historic buildings, a formerly highly successful way of construction, which has lost its value. The proposal is a very good example of a research project that is both scientifically and socially relevant. The proposal is a very good example of a research project that is both scientifically and socially relevant. The proposal is a very good example of a research project that is both scientifically and socially relevant.

Research Quality
 Research quality: quality and reliability of the research project
 The proposal is a very good example of a research project that is both scientifically and socially relevant. The proposal is a very good example of a research project that is both scientifically and socially relevant. The proposal is a very good example of a research project that is both scientifically and socially relevant.

Why an ERC proposal can fail at 1 step?

Starting Grant 2020

- The nature of the proposal is incremental and unlikely will achieve a ground-breaking contribution to the field.

-The track record of the PI is also below ERC standards, both regarding publications and visibility..”

- The track record of the PI of achieving relevant result is strong, but the PI has not yet reached a high degree of visibility.

-The content of the research work programme is interesting and substantial, but there is not sufficient evidence for the novelty of the approach. The proposal is rather incremental nature, not convincing it would lead to a major breakthrough.”

-The proposal is of good quality and relevance. However, the proposal is not sufficiently ground-breaking and too narrowly focused on X.

-Acknowledgment of the applicant’s scientific achievements in the field. However, the publication record is limited and he has not demonstrated yet sufficient independent creativity”

Why an ERC proposal can fail at 2 step?

Starting Grant 2020

“The idea of the proposal is ambitious and beyond the state of the art, but the proposal itself is not well defined enough to be credible.

I would consider this high gain and high risk. However, the risk is so high that I don't think the PI realizes it nor addresses it. Applying X method to these research field is a hot area at the moment, making it a somewhat saturated

space at the moment since there are so many big advances happening.It's the extreme riskiness of this research direction that makes the proposal less credible.

The direction of the research is good, but the approach lacks sufficient detail to assess its feasibility. ... I would have preferred more scientific detail on the approaches and discussion of feasibility.”

The PI is excellent and has considerable experience in X research, directly relevant to the project, and a strong publication record in the field.

This proposal addresses an important area in the X energy. The approach is to develop X. The panel appreciated the potential of this novel approach.

However, there was disappointment that the methodology had not been developed in more detail in Part B2 of the proposal. There was also concern about the lack of detail on the resource allocation and risk analysis.

Why an ERC proposal can fail?

Advanced Grant 2019 - PE

Ground-breaking nature and potential impact of the research project

The project is ambitious and **high-risk/high-gain**, even to the extent that the **claimed objectives seem hard to impossible to reach**. It sometimes even seems hard to design experiments to evaluate the objectives.

It is not sufficiently clear whether and why these problems represent the most critical issues in the field, and whether solving these issues brings **a real breakthrough in xxxx technology**.

The project is very applied, more on the R&D side than on truly scientific development. ...

So much has been written about XXX that I find difficult to spot the specifics of the current proposed research project that would isolate it as being particularly innovative. The setting is **quite standard**, based on observations of ages ..., and the assumption that the panel of participants to the study is representative of xxxx, i.e., that no bias is involved in their selection...

The tools used for ---- appear to be quite standard.

I would have expected a more ambitious perspective for this.

The project is incremental when compared with the existing methodology.

The PI is proposing to apply the theory ---- . This is clearly high level mathematics but the challenging character of the new applications is questionable. **This is more the continuation of previous works with interesting new aspects.**

Why an ERC proposal can fail?

Advanced Grant 2019 - PE

Scientific Approach

The proposal does have an ambitious and interesting long-term objective but it does not convincingly **break down that objective in more realistic, precise and more measurable shorter-time objectives.**

The scientific approach is not completely clear to me, and I do not clearly see what is the breakthrough which the PI counts upon to develop his product. In any case, **the scientific approach is towards patenting innovative products rather than developing new scientific knowledge.**

..there is **no** issue with the **expected outcome** of the work..

..the project stands **far away from a high risk/high gain** enterprise. It seems to articulate seamlessly with the past and current works of the PI.

It is my opinion that the research proposed **is not high-risk/high-gain.**

Why an ERC proposal can fail?

Advanced Grant 2019 - SH

Ground-breaking nature and potential impact of the research project

The main research question underlying the project is interesting and the gaps identified in the literature seem to be generally accurate...

...the suggested **theoretical framework** is very dense and difficult to follow. There are a large number of concepts and levels of analysis.

The project and theoretical framework is potentially very novel and can yield important new findings, but it needs to be further elaborated and clarified to understand what it brings to current research.

Scientific Approach

The project appears to be feasible, The methodology, timeline and execution is quite well defined, but without some further clarification of the theoretical framework and some more information about how the many questions are to be investigated empirically, it is hard to evaluate.

SERVICIOS ESTATALES ERC

Servicios estatales ERC



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

- **Jornadas informativas:** <https://www.horizonteeuropa.es/jornada-informativa-nacional-consejo-europeo-de-investigacion-novedades-wp-2022>
- **Talleres de preparación propuestas:** <https://www.horizonteeuropa.es/webinar-i-y-ii-preparacion-de-propuestas-starting-y-consolidator-grant-2022>
- **Revisión propuestas:** <https://www.horizonteeuropa.es/servicio-de-revision-de-propuestas-erc-starting-grant-2022>
- **Simulacros de entrevistas** para aquellas personas invitadas a la **segunda fase de la evaluación:** <https://www.horizonteeuropa.es/simulacros-de-entrevista-consolidator-grant-2021>
- **ERC Reading Days 2021**
- **Asesoramiento técnico fase propuesta y fase contrato**
- **Soporte al tramitar la portabilidad a una institución española**
- **Europa Excelencia (AEI) para las StG y CoG con A sin financiar**
- **Europa Investigación (AEI)**

Servicios estatales ERC año 2020



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

Enlaces de interés ERC

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



Eventos



Noticias



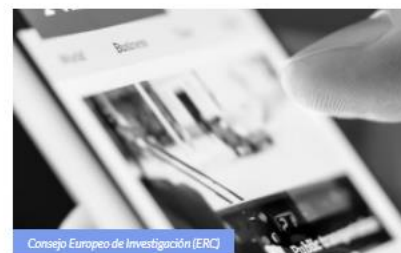
Consejo Europeo de Investigación (ERC)
**Presentaciones Jornada Informativa
Nacional Consejo Europeo de
Investigación. Novedades WP 2022**

07 de Octubre de 2021



Consejo Europeo de Investigación (ERC)
**Servicio de revisión de propuestas ERC-
Starting Grant 2022**

30 de Septiembre de 2021



Consejo Europeo de Investigación (ERC)
**Apertura convocatoria ERC Starting
Grant 2022 | ERC-2022-STG |**

24 de Septiembre de 2021



Consejo Europeo de Investigación (ERC)
**Las convocatorias 2022 del Consejo
Europeo de Investigación**



Consejo Europeo de Investigación (ERC)
**Propuestas ERC exitosas, financiadas y
en abierto**



Consejo Europeo de Investigación (ERC)
**Servicio de revisión de propuestas ERC-
Advanced Grant 2021**

ENLACES DE INTERÉS

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

[illegible]

Enlaces de interés

ERC Work Programme 2022

https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/wp-call/2022/wp_horizon-erc-2022_en.pdf

Information for Applicants to the Starting and Consolidator Grant calls

https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/guidance/information-for-applicants_he-erc-stg-cog_en.pdf

Information for Applicants to the Synergy Grant Call

https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/guidance/information-for-applicants_he-erc-syg_en.pdf

Information for Applicants to the Proof of Concept Call

https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/guidance/information-for-applicants_he-erc-poc_en.pdf

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

Open Research Data and Data Management Plans

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

General Model Grant Agreement Horizon Europe

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

Videos ERC Classes

Videos

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

Step-by-step to the ERC application process (5:19 min)

<https://youtu.be/xbFbzkVWgCU>

How to get started with your ERC grant? (11:37 min)

<https://youtu.be/O7mOFL2tIQ8>

How to write part 1 of your ERC proposal? (14:33 min)

<https://youtu.be/HsmQRM88yyM>

How to write part 2 of your ERC proposal? (8:26 min)

<https://youtu.be/NnDLnabEpxQ>

How do we evaluate your ERC proposal? (11:48 min)

<https://youtu.be/FFhZX00AUV4>

How to prepare for your ERC interview? (9:02 min)

<https://youtu.be/F4qXVGcdH5w>

1



Step by Step to the ERC application process

European Research Council

2



How to get started with your ERC proposal

European Research Council

3



How to write part 1 of your ERC proposal

European Research Council

4



How to write part 2 of your ERC proposal

European Research Council

5



How do we evaluate your ERC proposal

European Research Council

Testimonios



erc **APRENDIENDO DE STARTING GRANT 2020**
PIS & PANEL MEMBERS
17 Diciembre Registro: <https://bit.ly/2V43wMN>

Bienvenida y estadísticas convocatoria StG2020 (09:45-10h)

Physical Sciences & Engineering (10-10.45h)
Daniel Garcia Gonzalez (UC3M)
4D-BIOMAP Biomechanical Stimulation based on 4D Printed Magneto-Active Polymers (PE8)
Carmen Claver (URV)
Panel Member StG2020 PE5

Life Sciences (11-11.45h)
Sara Varela (UVigo)
MAPAS Mapping biodiversity cradles and graves (LS8)
Pablo Artal (UM)
Panel Member StG2020 LS7

Social Sciences & Humanities (12-12.45)
Nohemi Sala (CENIEH)
DEATHREVOL The roots and evolution of the culture-of-death. A taphonomic research of the European Paleolithic record (SH6)
Jon Andoni Duñabeitia (U.Nebrija)
Panel Member StG2020 SH4

Logos: GOBIERNO DE ESPAÑA, MINISTERIO DE CIENCIA E INNOVACIÓN, 20 años, FECYT, oficina europea, Instituto de Salud Carlos III

A red box highlights the portraits of Daniel Garcia Gonzalez, Sara Varela, and Nohemi Sala. A red arrow points from the box to the URL below.

https://youtu.be/Awczee_Jkpl

ERC-2019-StG ARCTIC Massimiliano Zanin: <https://youtu.be/3JAl4H-mfCE>

ERC-2020-CoG ENGINORG Montserrat Pulido minuto: 1:23:10

<https://www.youtube.com/watch?v=zCAfVItOLZs>

MUCHAS GRACIAS