

European Research Council
Webinar II: Cómo preparar una propuesta
ERC-Starting Grant 2023

26 Mayo 2022
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)



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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.

SERIES OF WEBINAR STG-2023

Próximo evento: <https://www.horizonteeuropa.es/webinars-erc-starting-grant-2023>

Webinar III: Aprendiendo de ERC-StG2021. Experiencia de 3 ERC Grantees

31/05/2022 de 09.45-11.30h

Inscripción: <https://register.gotowebinar.com/register/596046775774434571>

09:45-10h Bienvenida y estadísticas convocatoria Starting Grant 2021



10:00-10:20h Social Sciences & Humanities

Marta Olazabal. IMAGINE Adaptation: IMAGINE Climate Change Adaptation In Urban Areas.
BC3 Basque Centre For Climate Change - Klima Aldaketa Ikergai e Ikerbasque.

SH7 Human Mobility, Environment, and Space



10:20-10:40h Physical Sciences & Engineering

Niki Vazou. CRETE: Certified Refinement Types.
Fundación IMDEA Software Institute.

PE6 Computer Science and Informatics



10:40-11:00h Life Sciences

Shari Van Wittenberghe. PHOTOFUX: Global assessment of plant photosynthesis optimization for climate change versus enhanced plant productivity. Universitat de València.

LS9 Biotechnology and Biosystems Engineering

11-11:30h Q&A

INDICE

Estructura de la propuesta ERC

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

Evaluation Summary Reports

- Q&A



ERC STARTING 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 2023

ERC-2023-STG

Open: 12-07-2022

Deadline: 25-10-2022

628 million EUR
(407 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 Grant Principal Investigator (PI)

- Devote **at least 50%** of their working time to the ERC-Starting Grant project.
- Spend **at least 50%** of their working time in EU/AC

ERC Guides – 3 essential documents

ERC Work Programme Information for Applicants

1 / calls calendar



ERC WP 2023 approved
by SC in March 2022

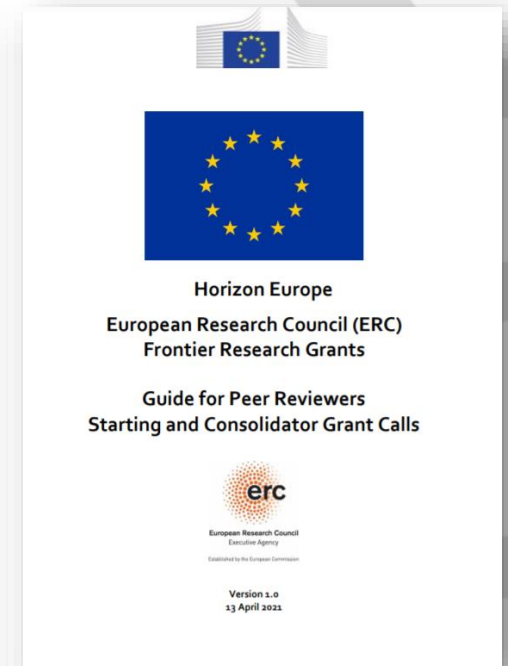
EC to adopt the
WP2023 early July 2022

- IfA to StG & CoG calls
- IfA to AdG call
- IfA to SyG call
- IfA to PoC call



Guide for Peer Reviewers

- GfPR StG & CoG calls
- GfPR AdG call
- GfPR SyG call
- GfPR PoC call



ERC 2023 PROPOSAL

ERC

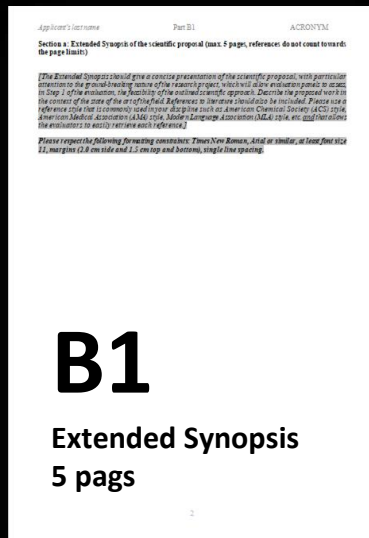
ERC 2023 Proposal – individual

One deadline | 2 steps evaluation process

1 step evaluation

- B1
- Panel Members

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



Part B1 – documento pdf

- Cover Page and summary
- Extended Synopsis (5pags)
- Curriculum vitae (2pags)
- 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

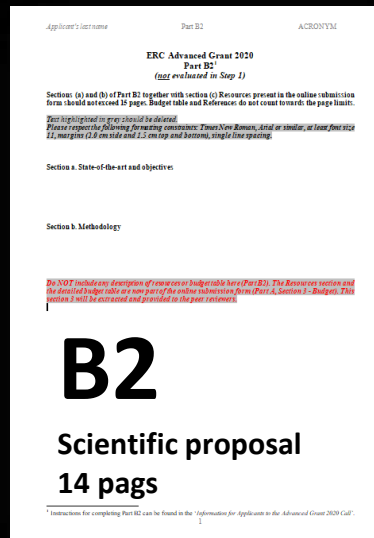
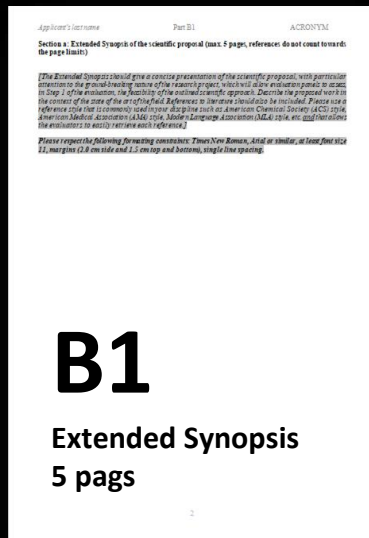
ERC 2023 Proposal – individual

2 step evaluation

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

One deadline | 2 steps evaluation process

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

¿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 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'.



Los templates
del ERC

¿Por dónde empezar?

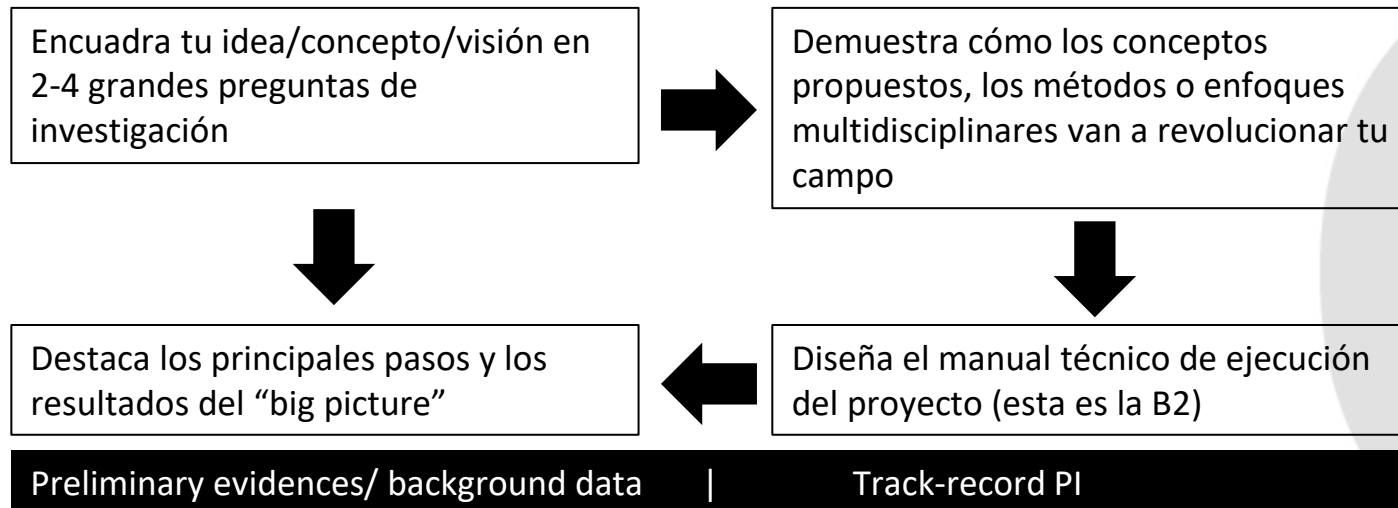
Olvida de los templates: empieza pensando sin límites.

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€ que da la convocatoria StG.**





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 2023 templates



- Important challenges
- Ambitious objectives (novel concept or approach)
- High-risk/high-gain balance
- Feasibility of outlined scientific approach
- Appropriate methodology and working arrangements (solo B2)
- Novel methodology (solo B2)
- Timescales and resources and PI commitment (solo B2)

ERC StG 2023 EVALUATION CRITERIA

Evaluation criteria StG 2023

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

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 2023

Proposal B1a + B2

ERC

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

Proposal title

Note that for technical reasons, the following characters are not accepted in the Proposal Title and will be removed: < > " &

Duration in months

Primary ERC Review Panel*

Secondary ERC Review Panel (if applicable)

ERC Keyword 1*

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

ERC Keyword 2

ERC Keyword 3

ERC Keyword 4

Free keywords

 **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

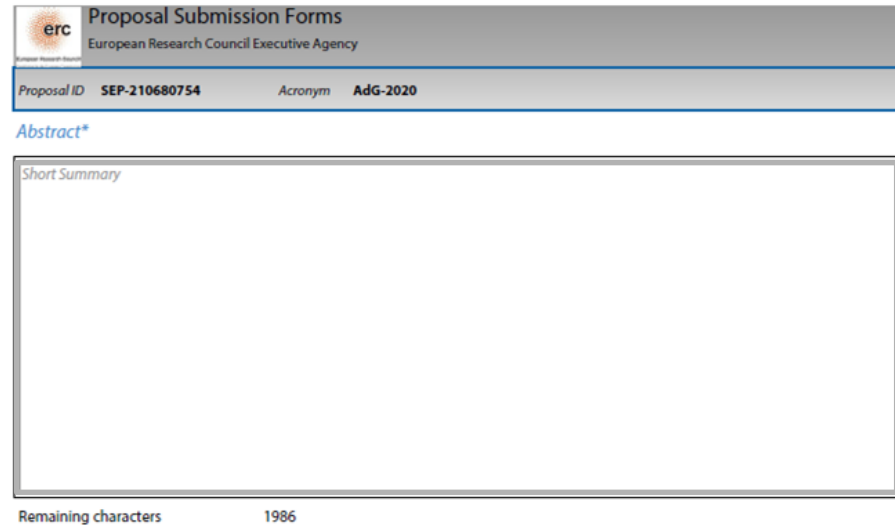
The abstract will be used as a short description of your research proposal in the evaluation process and in communications **to contact in particular the potential remote referees.**

<https://www.prophy.science/referee-finder/>

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

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 the ERC logo and the text 'European Research Council Executive Agency'. Below this, a header bar displays 'Proposal ID SEP-210680754' and 'Acronym AdG-2020'. The main section is titled 'Abstract*' and contains a large text area labeled 'Short Summary'. At the bottom of this section, it indicates '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

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.



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

Que contenga el objetivo principal del proyecto

<20 caracteres.
Que sea pronunciable

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.

Inspirar y convencer a 2 paneles
Indicar qué partes del proyecto se dirigen a cada panel

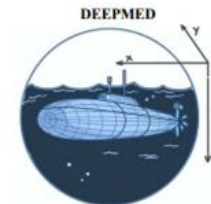
Camprubi

DEEPMED

B1

ERC Consolidator Grant 2020
Research Proposal. Part B1.

Discovering the Deep Mediterranean Environment:
A History of Science and Strategy (1860-2020)



Cover Page

Name of the Principal Investigator (PI): Lino Camprubi
Name of host institution for the project: Universidad de Sevilla
Proposal duration in months: 60

Proposal summary

Few geographical spaces have been more relevant to human life and more intensively theorized than the Mediterranean Sea. Today, this sea poses some of the most pressing challenges and opportunities for European economic, security, and environmental policies. Answers to how to manage the region depend on ideas and perceptions of integration and division of the basin and its peoples. But the Mediterranean as a spatial concept has radically changed in the last 160 years as humans have gained access to its depths, unveiling an underwater world to discover, exploit, and navigate. The Mediterranean has become a volume. DEEPMED is the first historical account of the discovery of the deep Mediterranean environment. Its main hypothesis is that science and strategy jointly made the Mediterranean depths into an object of analysis and a political space, which in turn shaped science and strategy in the region. DEEPMED pursues three specific objectives: 1) identifying the actors and contexts that enabled perceptions and practices of depth in the Med; 2) describing how natural and human time-scales interact in this body of water, and 3) tracking key conceptual landmarks defining the uniqueness and representativeness of the Mediterranean volume vis à vis the global ocean.

DEEPMED is the first basin-scale step in a novel approach to oceanic history that incorporates analyses of deep and bottom layers of the Sea to gauge the causes and effects of the historical emergence of depth. This requires an innovative interdisciplinary, transnational and digital methodology. The project identifies overarching trajectories of human engagement with depths from the mid-19th century to the present, including contrasting timelines and perspectives. The availability of digital tools for creating a database that facilitates geospatial and visual analyses make the project timely. The current security and environmental Mediterranean crises make it essential.

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

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.*

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.



@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>

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&CoG2023 Call'—instructions for completing 'Part B' of the proposal)*

Section B2 (Scientific Proposal)

GfA StG&CoG 2022 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.

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&CoG2023 Call'– instructions for completing 'Part B' of the proposal)**

Evaluation criteria StG 2023

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*

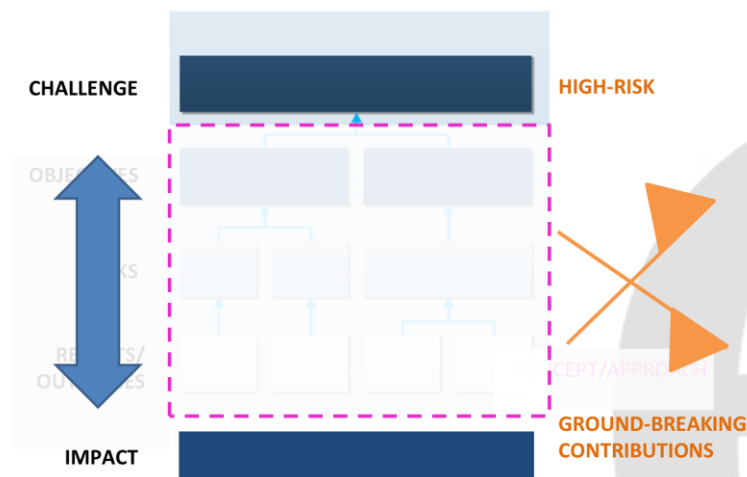
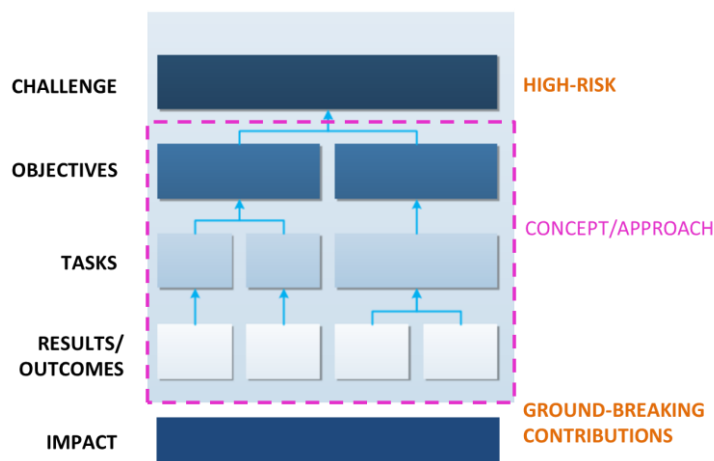
research high risk-high gain

- *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

Sugerencia de Headings en base a los criterios de evaluación

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)

[first page of
your proposal]

1-1,5 pages/5

3 pages/5

0,5-1 pages/5

Estructura – B2

Sugerencia de Headings en base a los criterios de evaluación

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)

3,5 pages/14

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)

9 pages/14

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

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

1,5 pages/14

B1 & B2 – first page of your proposal

Description of the State of the Art



vs.

What we want to achieve



B1 & B2 – first page of your proposal



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.



B1 & B2 – first page of your proposal

[First page of your proposal] = Synthesis

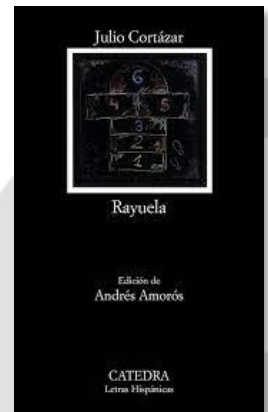
Diferencias entre orden escritura y orden lectura

Proponente: Orden más habitual de escritura: B2 > B1 > Abstract

Revisor primera fase: Orden más común de lectura: Abstract > B1

Revisor segunda fase: Orden más común de lectura: Abstract > (B1) > B2

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B1 & B2 – first page

@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>

Section a: Extended Synopsis of the scientific proposal

The Mediterranean Sea is likely the world's most studied and theorized body of water. Its importance for past and present civilizations is amply recognized, as are the challenges this Sea poses today in environmental, economic, security, and humanitarian terms. In such a complex space, ideas and perceptions of the region shape attitudes and practices towards it. European policy oscillates between integration (in devising economically and environmentally sustainable futures) and division (with the building of a new maritime border). The field of Mediterranean studies has aptly discussed notions of unity and disunity as the historical co-production of culture and nature, but as historians of science and the environment show, what counts as "nature" changes historically. In the last 160 years, the Mediterranean Sea has changed in the eyes of scientists, strategists, and economic actors as humans have ventured below the surface, discovering a world to know, exploit, navigate, and conquer. The historical emergence of depth has come to define the Mediterranean Sea as a volume rather than a surface.

DEEPMED aims at unravelling the discovery of the deep Mediterranean environment. My ground-breaking hypothesis is that, from the late 19th century to the present, joint developments in **science** and **strategy** transformed perceptions of the Mediterranean retooling it into a deep three-dimensional maritime space that in turn shaped scientific and strategic approaches to the Sea. I identify three interrelated domains in which this process took shape: science and technology, strategy, and the environment. DEEPMED explores each of these through three specific objectives (SO). **SO1 (Topographies)**: Tracking the development of volumetric notions of the Mediterranean from the late 19th century to the present; **SO2 (Temporalities)**: Understanding the interplay between human and natural temporalities in past and present three-dimensional conceptions of the Mediterranean; and **SO3 (Globalities)**: Analysing historical ideas about the place of the 3D Mediterranean with regards to the world oceans, global climate, and world history. Our deep history demands a novel **methodology** that is decisively **interdisciplinary** (bringing together the history of science and technology with strategic studies, environmental history, and the natural sciences), **transnational** (building a team with broad geographic and linguistic expertise), and **digital** (developing Historical GIS to understand the transformation of this marine space in scientific and strategic terms). DEEPMED bridges a major division between the views of the Mediterranean held by the natural sciences and studies of the human past, where the environment is no longer Braudel's durable structure but a fragile regime dependent on political events and decisions. As such, the project will highly impact the fields of Mediterranean Studies, maritime history, and the history of oceanography, among others. It will also inform more integrated public views of this Sea. The future of the Mediterranean depends on managing its deep environment. Knowing how it came to be opens up new possibilities about ways to face that future.

Borders of state of the art	DEEPMED's novelties	DEEPMED's impact
Mediterranean Studies: - o Gap between human sciences and natural sciences - o Difficulty in locating Mediterranean's modern significance Maritime History, oceanic history and history of oceanography: - o Not entire basin - o Overlooks specificities	Aim: Historical discovery of the deep Med Specific objectives: • Topographies of deep Mediterranean • Natural and human volumetric temporalities • New globalities of the 3D Mediterranean Methodology: • <i>Interdisciplinary</i>: history science & tech, strategy, environmental hist., oceanography • <i>Transnational</i>: broad linguistic and geographical expertise; plural and non-linear • <i>Digital</i>: Historical GIS unveils spatial links Domains: • Science & Technology • Strategy • Environment Work Packages: • Space • Territory • Change • Synthesis • Management	➢ Disrupts Mediterranean studies through attention to depth ➢ Contributes to oceanic history with study of entire basin ➢ Integrates disciplinary approaches from the humanities and the sciences to understand change ➢ Fosters active understandings of Mediterranean's volume by relevant audiences 

State of the Art

The Mediterranean Sea is receiving increasing attention from the public and policy makers, as well as a wide variety of disciplines. Yet, not all groups concerned with the Mediterranean agree on what defines this space. The most striking differences are between the natural sciences and historical approaches. For earth and environmental scientists, the Mediterranean is a semi-enclosed volume of water covering 3,750,000 km³ with depths extending up to a maximum of 5km below the surface.¹ For oceanographers, geo-chemists, and ecologists, the Mediterranean forms a connected system with sub-regions that demand specific instruments, theories, and expertise.² Meanwhile, historians focus mainly on the land-based Mediterranean region. With few exceptions, when they look at the Sea, they understand it as a surface connecting or separating human groups. This is particularly the case in the burgeoning field of **Mediterranean Studies**. While this field has a

B1 & B2 – first page

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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**?

...important challenges

(B1 & B2)

¿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

(B1 & B2)

¿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

(B1 & B2)

¿Cuál es la Gran Pregunta de Investigación?

¿cuál es la fuente que genera neuronas a lo largo de la vida adulta?

Su trabajo ha acabado con la discusión sobre estas neuronas inmaduras.

Había investigadores que afirmaban la posibilidad de que estas

MARÍA LLORENS-MARTÍN

“Hemos reconstruido la neurogénesis”

• La bióloga del Centro de Biología Molecular ha demostrado que se generan nuevas neuronas durante toda la vida



“¿Cuáles son los mecanismos que controlan la maduración y la integración sináptica de las células recién generadas en los seres humanos y cómo es la fisiopatología de las enfermedades neurodegenerativas y psiquiátricas?”

La investigación

"Hemos conseguido ver por primera vez tanto las células madre de las neuronas como las hijas"

Las implicaciones

"Podría contribuir al diagnóstico precoz de las enfermedades neurodegenerativas"

Fuente: <https://www.lavanguardia.com/vanguardia-de-la-ciencia/20220206/8030235/maria-llorens-martin-nuevas-neuronas.html>

<https://twitter.com/CSIC/status/1492055739292074002?s=20&t=cWUAjLRU1Q4ilve2YyQCnQ>

...ambitious objectives beyond SoA

(B1 & B2)

¿Cómo presentar los objetivos?

1. separadamente
2. en combinación con preguntas de investigación
3. 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 PI en los problemas metodológicos, conceptuales, teóricos de campo
- Demuestra el **sentido crítico o la creatividad del PI** con sus aportes previos al SoA

Cada objetivo debería de ser (de producir) una contribución destacada al campo de conocimiento

...ambitious objectives beyond SoA

(B1 & B2)

- 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

...ambitious objectives beyond SoA

(B1 & B2)

Objetivos interrelacionados con el SoA

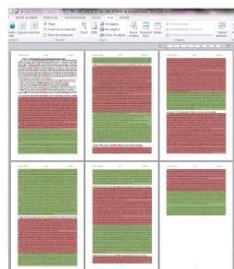
- ✓ No piden una revisión del SoA del campo
- ✓ No es un artículo científico
- ✓ Otorgan el dinero por los cambios (el efecto) que se es capaz de producir en el campo científico, no por escribir un buen SoA.

References (no limits)

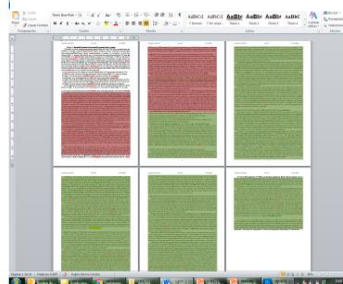
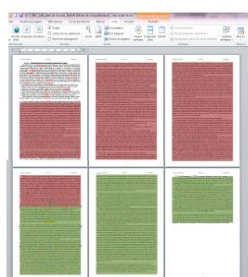
criterio gráfico
aportaciones al SoA del IP

ROJO = SoA
VERDE =
proyecto

Debería quedar algo así con respecto a las proporciones del proyecto y los objetivos en relación al SoA



Agrupando
>>



Feasibility- Evidencias o datos preliminares

Publicados o no publicados

... pero **siempre del Investigador Principal**

- Preliminary data
- Validation of hypothesis via recent publication
- Access to data set
- HI + Team

Especial **atención** a cuestiones que susciten **controversia** en la comunidad científica

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

(B1 & B2)

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

(B1 & B2)

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

Scientific approach

Feasible scientific approach vs. methodology

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)

← 3 pages/5



← 9 pages/14

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

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

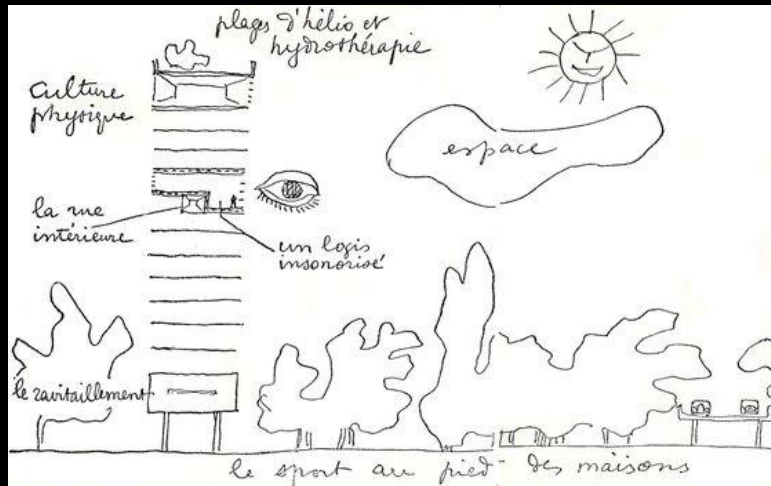
Scientific approach

Feasible scientific approach vs. methodology

El grado de detalle...

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

B1a = is about the vision



Idea de concepto:

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

Scientific approach

Feasible scientific approach vs. methodology

El grado de detalle...

B2: “methodology appropriate to achieve the goals”

B2 = technical manual of execution

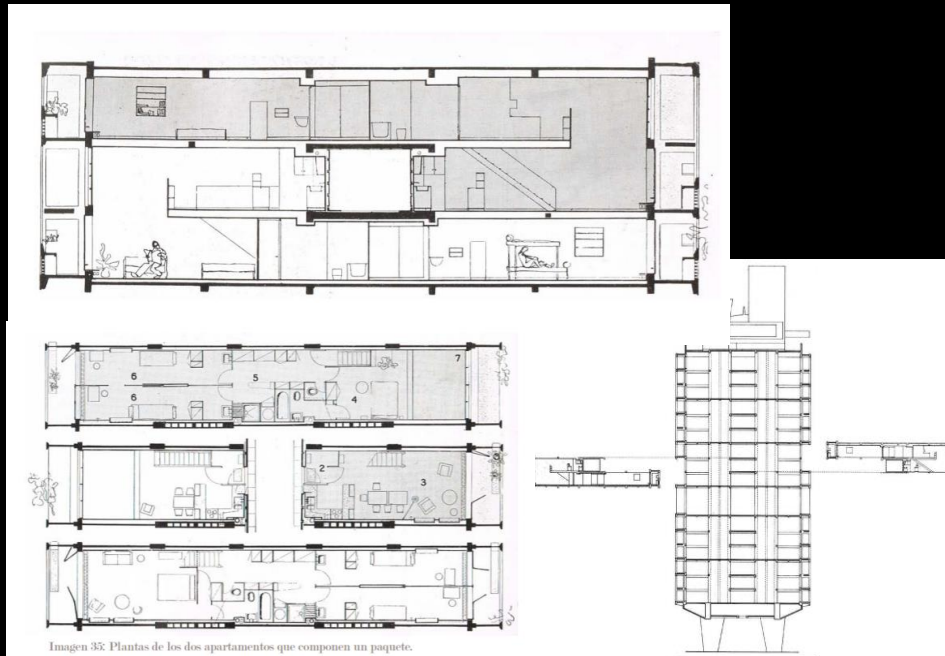


Imagen 35: Plantas de los dos apartamentos que componen un paquete.

Desarrollo de la idea de concepto:

Sección transversal célula y edificio

Plantas de los dos apartamentos que componen un paquete

Scientific approach

Feasible scientific approach vs. methodology

B1a

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

3 pages/5

- Concise and clear (5 pages)
- All the essential information
- General overview of the project
- Emphasis on ground-breaking nature
- Feasibility** (≠ 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

9 pages/14

- 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)

Scientific approach methodology (B2)

9 pages/14

- 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

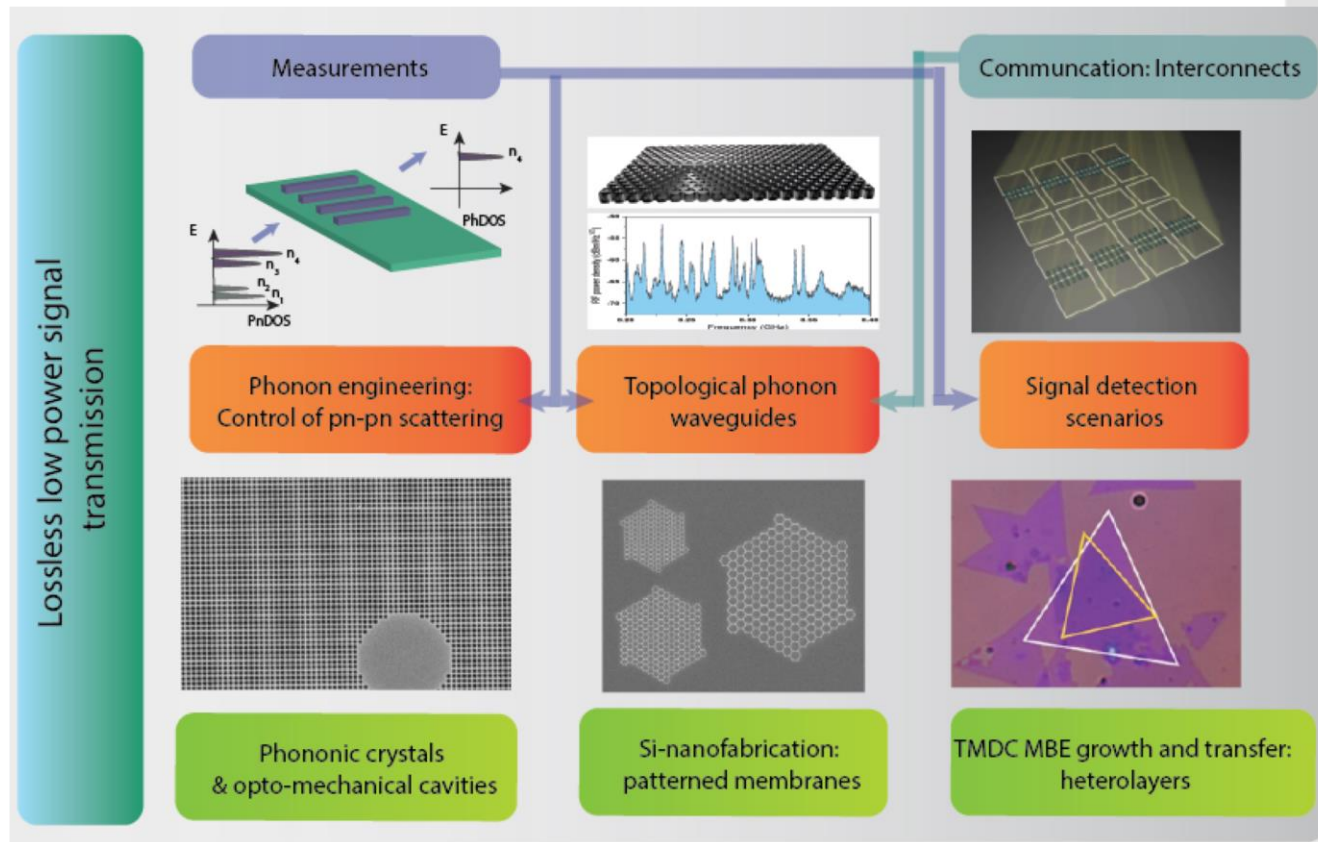
- **New** methods, techniques, tools, data.
- Known methodology used for the first time in another field
- No new methodology > no high risk > no high gain

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

Gráfica/diseño de la metodología investigación

Lossless Information for Emerging Information Technologies (L E I T)

Clivia M. Sotomayor Torres ERC-2019-Advanced Grant



LEIT project description in one picture

Fuente: Presentación Webinar AdG2020 - 29th May 2020

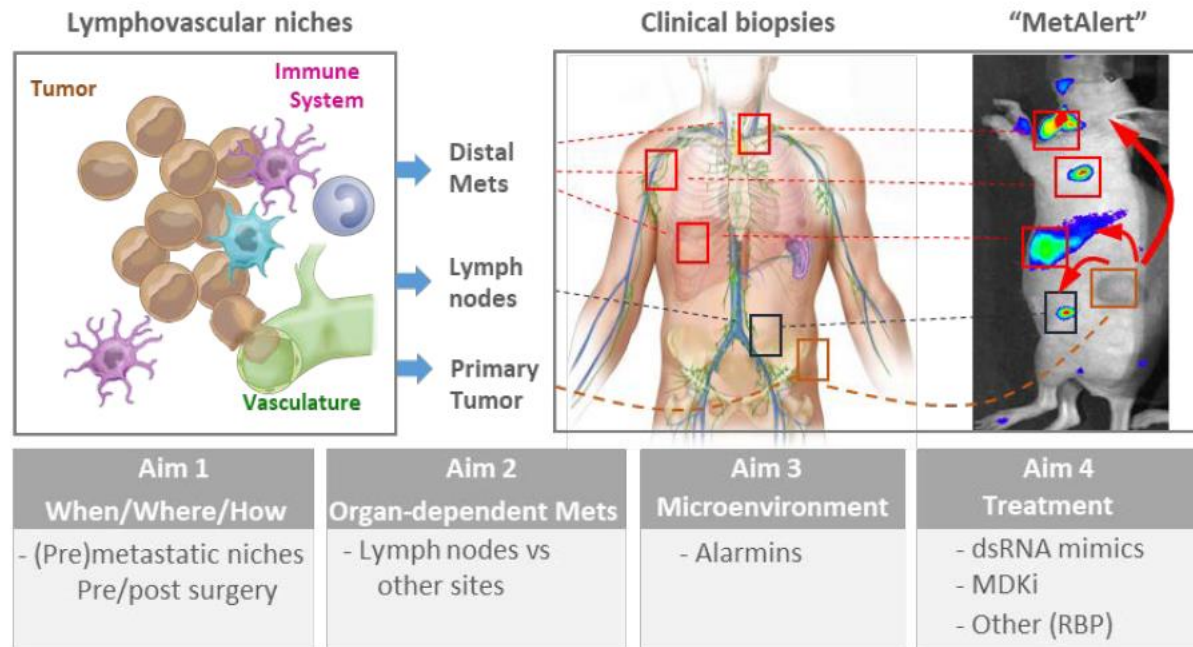
Gráfica/diseño de la metodología investigación

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

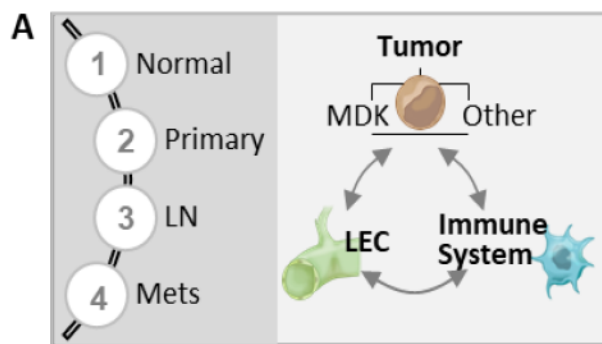
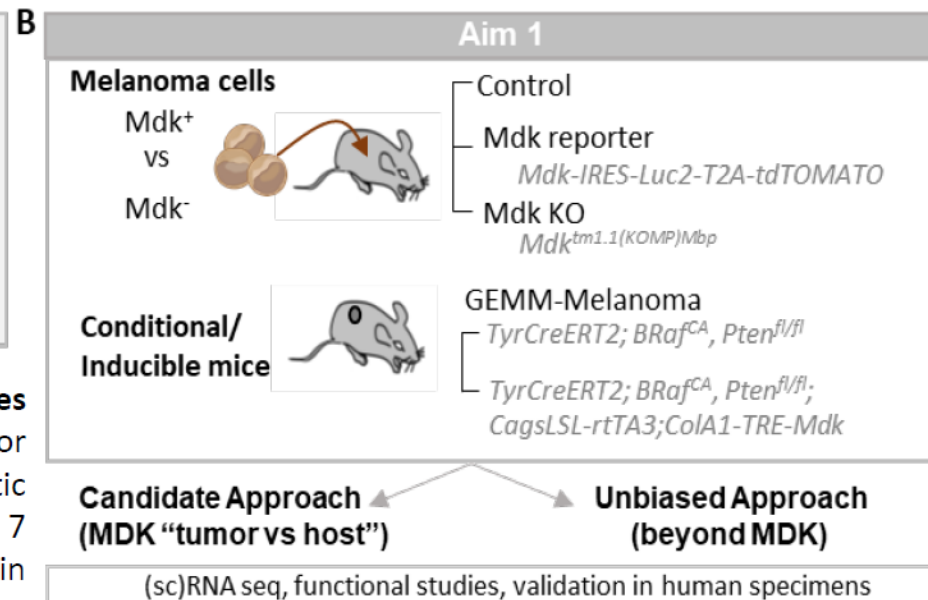


Fig. 5. Rationale (A) and main objectives of Aim1 (B). LN, Mets and LEC stand for lymph nodes, metastasis and lymphatic endothelial cells, respectively. The 7 mouse lines to be used are indicated in grey.



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

...high-risk/high-gain research

(B1 & B2)

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

(B1 & B2)

¿Cómo presentarlo en la propuesta? (aquí un ejemplo: ALiEN ERC-2020-AdG)

Risk table (B2 presents a more detailed risk table)

B1

Risk	Mitigation actions
Problems generalizing to new referents	Work with (still useful) protocols limited to fixed but large class set. Explore special training techniques to encourage 0-shot generalization.
Problems generalizing to new agents	Explore simplified setups, e.g., limit architecture variety. Focus on emerged-language supervision.
Language-layer tuning of pre-trained DNNs does not suffice	Explore full-architecture re-training (emergent language should still have beneficial properties) and simplify. For example, limit to specific architectures or to visual models only.
DNNs do not learn to play full Grocery Challenge	Identify problematic aspects and simplify (e.g., simplify value and price structure).

b.3 Risk table

B2

Risk	Mitigation actions
WP1, WP2, WP3: Dependencies?	Although the experiments in the three simulation WPs are related and some techniques should ideally be prototyped in WP1 and then applied to WP2 and WP3, there is no crucial dependency such that delays in a WP would prevent concurrent progress in the other WPs.
WP1: Problems generalizing to new referents	i) Work with (still useful) protocols limited to a large but fixed number of object classes. ii) Special training methods to encourage 0-shot generalization: in particular, add many training examples where target and distractors are same-class or extremely similar, to spur emergence of a granular attribute-level language. iii) Study problem at the class level: are there specific classes where fast generalization works better? Does this depend on similarity to training classes? Can we capitalize on this observation, if confirmed?
WP1, WP2, WP3: Problems generalizing to new agents	i) Explore simplified setups, e.g., limit DNN architecture variety. ii) Focus on supervised imitation learning. iii) Study if community-evolved languages have other advantages, even if they are not as fast to transmit as hypothesized.
WP1, WP2: Supervision is not beneficial.	For the time being, we won't get a single "universal" language, but methods to evolve useful languages will still be delivered. Extensive study of <i>why</i> supervision does not help: Is it because

Fuente: <https://marcobaroni.org/alien/>

...high-risk/high-gain research

(B1 & B2)

¿Cómo presentarlo en la propuesta? (*aquí un ejemplo: DEEPMED ERC-2020-COG*)

B1

Challenge	Risk	Counteraction/contingency plan	Gain	Impact/Novelty
Project lacks unity due to ambition	High	PI marks clear agenda, HGIS ensure crosspollination and synthesis. Contingency: limit scope to landmarks.	High	First long-term first history of the perceptions and transformations of the deep Med environment.
Does not find the necessary expertise	High	PI mobilizes international networks through an open international call. Contingency: adapt focus to expertise.	High	Integrates different disciplinary and geographic perspectives in a non-linear history.
Collaboration with oceanographer	High	PI establishes clear questions and mobilizes local networks to find the right candidates. Contingency: outsource collaborations.	High	Overcomes current gap science/ history of deep Med and yields new views on temporality.
Secrecy blocks access to sources	High	Preliminary review of sources is promising and transnational research useful. Contingency: Adapt to available sources.	High	Offers full picture of the historical making of the deep Med and its asymmetries.
Digital humanities fails	Med	PI recruits advanced HGIS expert and redefines categories and tools of analysis. Contingency: reduce public outreach.	High	Offers environment for deep Med history and promotes new imaginations of this Sea.

DEEPMED Team and deliverables

https://www.academia.edu/49122878/B1_ERC_CoG_DEEPMED_Discovering_the_Deep_Mediterranean_Environment_A_History_of_Science_and_Strategy_1860_2020

...high-risk/high-gain research

(B1 & B2)

¿Cómo presentarlo en la propuesta? (*aquí un ejemplo: ALiEN ERC-2020-AdG*)

a.3 Progress beyond the state of the art

ALiEN proposes a **paradigm shift** in managing complex deep learning architectures by evolving **general-purpose interface protocols** that are robust to variations in input information and in the specifics of the neural network components being connected.

To achieve this novel goal, ALiEN relies on the know-how we recently accumulated in the study of emergent DNN language (and, more broadly, language evolution simulations and multi-agent communication). However, it pushes for radical advancement in the area, tackling the issues of **large-scale reference in a perceptually rich world** and **easy transmission across DNNs**. With respect to both goals, ~~the focus is on fast generalization to unseen~~

a.4 Impact

ALiEN will impact all the research communities mentioned above. It should trigger a shift in the development of complex **deep learning** architectures **from ad-hoc interfaces to flexible connectivity** and, ultimately, **genuinely autonomous AI agents** able to interact with each other and with us. At the same time, the new emphasis on persistent, shared representations provides new perspectives and defines new problems in **representation learning** and **interpretability studies**. ALiEN gives **cognitive science**, **language evolution research** and **linguistics** a new body of evidence on **the limits of communication**, and new tools to analyze it. These tools might also prove useful to characterize other types of communication systems, such as animal signaling, or even natural languages themselves.

From an applied perspective, I foresee **coordination between DNN-controlled devices** to become one of the major challenges in the industrial deployment of AI in the coming years. Beyond the **multiagent information retrieval** and **home automation** scenarios simulated in ALiEN, the coordination problem is pervasive. Indeed, a communication-based approach to coordination has recently been proposed for **self-driving cars** (e.g., [97]) and **robot arms** ([98]). As other classic domains in computer science and information technologies scale up to large communities of actors including machine-learning components (e.g., in **communication networks** or **finance**: [99, 100]), the problem of a scalable and flexible coordination protocol will become more and more pressing. **ALiEN puts Europe at the forefront of this important next frontier in AI**. Fittingly, it does so by **building on a long European tradition of studies in language evolution**, communication games and cross-species linguistics.

Fuente:

<https://marcobaroni.org/alien/>

Typical reasons for rejection

Principal Investigator

Unconvincing on:

- Track record
- Experience in leadership

Research proposal

Incremental research

Scope: Too narrow or too broad/
Unfocussed

Work plan not detailed
enough/unclear

Insufficient risk assessment

Interview not convincing

B1



B2

Cuestiones prácticas

CE

1. **Piensa cómo empezar la B1a – seduce al lector**
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!* En la B2 tienes que convencerles**
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** (evita ambigüedades 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

CE

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	0.00	0.00	0.00
Total	0	0	0	0	0	0.00	0	0	0	0	0	0	0.00	0.00	0	0.00	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

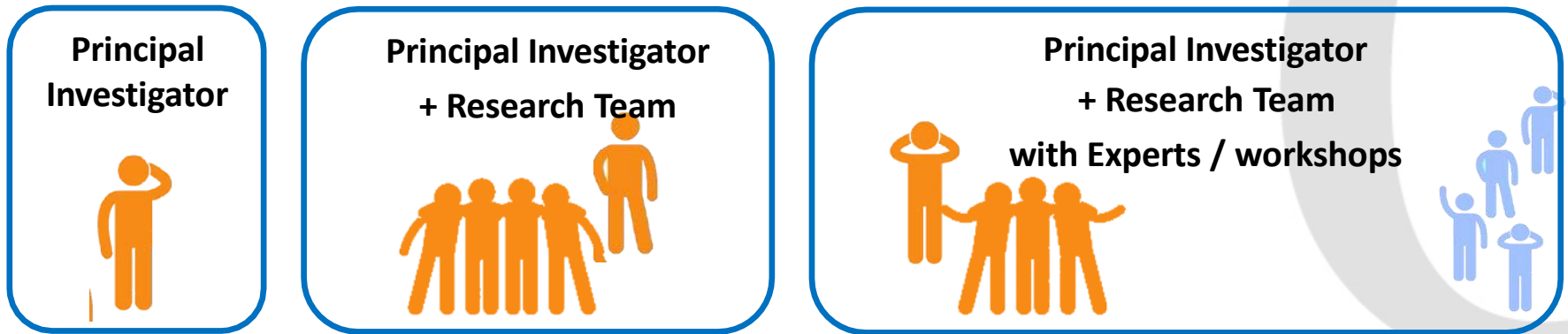
REQUESTED EU CONTRIBUTION

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,

* Actualizar cuando se publique la Guía del solicitante StG 2023/

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*)

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.



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	
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: The proposal will be closed on the deadline date.

Administrative information

Edit will open a new window.

Part B and A

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 (ESRs)

Estructura del Evaluation Summary Report -ESR



UNIVERSITY OF
NORTH CAROLINA

Project 1234 Page 1 of 10

Step 1 Evaluation Report

CONFIDENTIAL

University of North Carolina
1234 University Avenue
Cary, NC 27513
(919) 555-1234

Cat reference	2021-2022-2023
Activity	Conference, 2023
Funding reference	2021-2022-2023
Funder Name	ABC Corporation Dept
Project Name	1234
Project ID	1234
Approved	Approved (2023)
Approval Name	Approved (2023)
File	Approved (2023)

This report is confidential for providing a self-assessment review response to
an external client.

EVALUATION CRITERIA

Criterion 1 - RESEARCH PROJECT

Overall/leading 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 (e.g., novel concepts and approaches or interdisciplinary integration or across disciplines)?

To what extent is the proposed research high-impact/high-gain (i.e., it expands the portfolio of self-organization, but there is a higher-than-normal risk that the research project will not achieve full its aims)?

Scientific Approach

To what extent is the natural scientific approach feasible/leading in mind the extent that the proposed research is high-impact/high-gain (based on the broader perspective)?

Criterion 2 - PRINCIPAL INVESTIGATION

Intellectual capacity and creativity

To what extent does the PI demonstrate the ability to conduct high-quality research/innovation/competence?

To what extent does the PI provide evidence of creative leadership/innovation?

To what extent does the PI have the required scientific expertise and capacity to successfully execute the project?

FINAL SCORE AND RANKING RANGE

Final point score	Ranking-range*
0 to 100 points (not yet sufficient to enter into the 1st of the evaluation phase)	Not ranked
101 to 150 points (not yet sufficient to enter into the 2nd of the evaluation phase)	Not ranked
151 to 200 points (not yet sufficient to enter into the 3rd of the evaluation phase)	Not ranked
201 to 250 points (not yet sufficient to enter into the 4th of the evaluation phase)	Not ranked
251 to 300 points (not yet sufficient to enter into the 5th of the evaluation phase)	Not ranked
301 to 350 points (not yet sufficient to enter into the 6th of the evaluation phase)	Not ranked
351 to 400 points (not yet sufficient to enter into the 7th of the evaluation phase)	Not ranked
401 to 450 points (not yet sufficient to enter into the 8th of the evaluation phase)	Not ranked
451 to 500 points (not yet sufficient to enter into the 9th of the evaluation phase)	Not ranked
501 to 550 points (not yet sufficient to enter into the 10th of the evaluation phase)	Not ranked
551 to 600 points (not yet sufficient to enter into the 11th of the evaluation phase)	Not ranked
601 to 650 points (not yet sufficient to enter into the 12th of the evaluation phase)	Not ranked
651 to 700 points (not yet sufficient to enter into the 13th of the evaluation phase)	Not ranked
701 to 750 points (not yet sufficient to enter into the 14th of the evaluation phase)	Not ranked
751 to 800 points (not yet sufficient to enter into the 15th of the evaluation phase)	Not ranked
801 to 850 points (not yet sufficient to enter into the 16th of the evaluation phase)	Not ranked
851 to 900 points (not yet sufficient to enter into the 17th of the evaluation phase)	Not ranked
901 to 950 points (not yet sufficient to enter into the 18th of the evaluation phase)	Not ranked
951 to 1000 points (not yet sufficient to enter into the 19th of the evaluation phase)	Not ranked
1001 to 1050 points (not yet sufficient to enter into the 20th of the evaluation phase)	Not ranked
1051 to 1100 points (not yet sufficient to enter into the 21st of the evaluation phase)	Not ranked
1101 to 1150 points (not yet sufficient to enter into the 22nd of the evaluation phase)	Not ranked
1151 to 1200 points (not yet sufficient to enter into the 23rd of the evaluation phase)	Not ranked
1201 to 1250 points (not yet sufficient to enter into the 24th of the evaluation phase)	Not ranked
1251 to 1300 points (not yet sufficient to enter into the 25th of the evaluation phase)	Not ranked
1301 to 1350 points (not yet sufficient to enter into the 26th of the evaluation phase)	Not ranked
1351 to 1400 points (not yet sufficient to enter into the 27th of the evaluation phase)	Not ranked
1401 to 1450 points (not yet sufficient to enter into the 28th of the evaluation phase)	Not ranked
1451 to 1500 points (not yet sufficient to enter into the 29th of the evaluation phase)	Not ranked
1501 to 1550 points (not yet sufficient to enter into the 30th of the evaluation phase)	Not ranked
1551 to 1600 points (not yet sufficient to enter into the 31st of the evaluation phase)	Not ranked
1601 to 1650 points (not yet sufficient to enter into the 32nd of the evaluation phase)	Not ranked
1651 to 1700 points (not yet sufficient to enter into the 33rd of the evaluation phase)	Not ranked
1701 to 1750 points (not yet sufficient to enter into the 34th of the evaluation phase)	Not ranked
1751 to 1800 points (not yet sufficient to enter into the 35th of the evaluation phase)	Not ranked
1801 to 1850 points (not yet sufficient to enter into the 36th of the evaluation phase)	Not ranked
1851 to 1900 points (not yet sufficient to enter into the 37th of the evaluation phase)	Not ranked
1901 to 1950 points (not yet sufficient to enter into the 38th of the evaluation phase)	Not ranked
1951 to 2000 points (not yet sufficient to enter into the 39th of the evaluation phase)	Not ranked
2001 to 2050 points (not yet sufficient to enter into the 40th of the evaluation phase)	Not ranked
2051 to 2100 points (not yet sufficient to enter into the 41st of the evaluation phase)	Not ranked
2101 to 2150 points (not yet sufficient to enter into the 42nd of the evaluation phase)	Not ranked
2151 to 2200 points (not yet sufficient to enter into the 43rd of the evaluation phase)	Not ranked
2201 to 2250 points (not yet sufficient to enter into the 44th of the evaluation phase)	Not ranked
2251 to 2300 points (not yet sufficient to enter into the 45th of the evaluation phase)	Not ranked
2301 to 2350 points (not yet sufficient to enter into the 46th of the evaluation phase)	Not ranked
2351 to 2400 points (not yet sufficient to enter into the 47th of the evaluation phase)	Not ranked
2401 to 2450 points (not yet sufficient to enter into the 48th of the evaluation phase)	Not ranked
2451 to 2500 points (not yet sufficient to enter into the 49th of the evaluation phase)	Not ranked
2501 to 2550 points (not yet sufficient to enter into the 50th of the evaluation phase)	Not ranked
2551 to 2600 points (not yet sufficient to enter into the 51st of the evaluation phase)	Not ranked



Full Report
Available for free download at
http://eric.ed.gov/

ERIC
Full Report
Available for free download at
http://eric.ed.gov/

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http://eric.ed.gov/

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Full Report
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http://eric.ed.gov/

[Panel L57, Page 2, 1/1/2015]

PANEL COMMENT

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

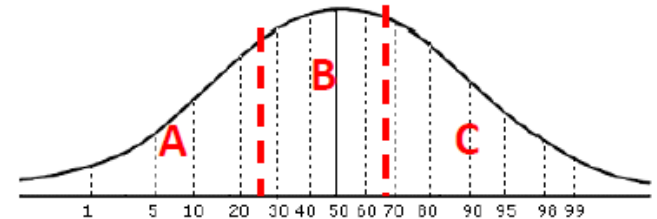
The panel closely examined all the individual review reports and, while not necessarily subscribing to each and every opinion expressed, found that they provide a fair overall assessment. The comments of the individual reviewers were the basis for the discussion and the final recommendation of the panel,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

Final score + ranking range



Panel Comment

[illegible][illegible]

Individual reviews: different roles

- conduct ground-breaking research
- evidence of creative independent thinking
- scientific expertise and capacity to successfully execute the project

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

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/erc>

- **Talleres de preparación propuestas:** <https://www.horizonteeuropa.es/webinars-erc-starting-grant-2023> **StG2023 (19, 26 y 31/05/2022)**
- **ERC Proposal Reading Days 2022:** <https://www.horizonteeuropa.es/erc-proposal-reading-days-2022>
- **Revisión propuestas**
- **Simulacros de entrevistas** para aquellas personas invitadas a la **segunda fase de la evaluación:** <https://www.horizonteeuropa.es/simulacros-de-entrevista-starting-grant-2022> **StG2022 (junio, julio 2022)**
- **Asesoramiento fase propuesta y fase contrato**
- **Soporte al tramitar la portabilidad a una institución española**
- **Europa Excelencia (AEI) para las ERC individuales con A sin financiar**

ERC Proposal Reading Days 2022 (Junio 2022)

<https://www.horizonteeuropa.es/erc-proposal-reading-days-2022>

6 de junio, Madrid. Consejo Superior de Investigaciones Científicas (CSIC). C/ Pinar 25.

<https://www.horizonteeuropa.es/erc-proposal-reading-day-2022-madrid>

8 de junio, Barcelona. Universitat Autònoma de Barcelona (UAB). Casa Convalescència. C/ Sant Antoni Maria Claret 171.

<https://www.horizonteeuropa.es/erc-proposal-reading-day-2022-barcelona>

14 de junio, Granada. Universidad de Granada (UGR). Campus Universitario de Fuentenueva. Facultad de Ciencias.

<https://www.horizonteeuropa.es/erc-proposal-reading-day-2022-granada>

16 de junio, Santiago de Compostela. Universidade Santiago de Compostela (USC). Theatre Room - CIMUS. Av. Barcelona, s/n - Campus Vida

<https://www.horizonteeuropa.es/erc-proposal-reading-day-2022-santiago-de-compostela>

16 de junio, Valencia. Universitat de València (UV). Facultat de Geografia i Història. Avda. Blasco Ibáñez, 28

<https://www.horizonteeuropa.es/erc-proposal-reading-day-2022-valencia>

Servicios estatales ERC año 2021



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

ENLACES DE INTERÉS

CE

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

The screenshot displays the ERC website's 'ERC funded projects' section. It features a map of Europe with circular markers indicating the number of ERC funded projects in various countries. The map includes labels for countries like France, Spain, Italy, and the UK, along with their respective project counts. The left sidebar shows filters for 'Grant Type' (Advanced grants, Consolidator grants, Proof of concept, Starting grants, Synergy grants) and 'Countries'. The top navigation bar includes links for FUNDING, PROJECTS & FIGURES, NEWS & EVENTS, MANAGING YOUR PROJECT, and ABOUT ERC. The European Research Council logo and the European Commission logo are also visible.

Country	Number of Projects
France	872
Spain	280
Italy	251
UK	348
Germany	270
Sweden	87
Poland	41
Portugal	42
Belgium	21
Finland	21
Denmark	26
Netherlands	24
Austria	44
Switzerland	17
Czechia	6
Slovakia	293
Slovenia	2
Bosnia and Herzegovina	2
Montenegro	2
Podgorica	2
Tirane	2
Albania	2
Malta	4
Valletta	4
Tunisia	20
Alger	7
Rabat	82
Madrid	21
Andorra	21
Andorra la Vella	21
Manaco	21
San Marino	21
Città di San Marino	21
Ljubljana	21
Croatia	21
Belarus	21
Ukraine	21
Poland	21
Czechia	21
Slovakia	21
Slovenia	21
Bosnia and Herzegovina	21
Montenegro	21
Podgorica	21
Tirane	21
Albania	21
Malta	21
Valletta	21
Tunisia	21
Alger	21
Rabat	21
Madrid	21
Andorra	21
Andorra la Vella	21
Manaco	21
San Marino	21
Città di San Marino	21
Ljubljana	21
Croatia	21
Belarus	21
Ukraine	21

Enlaces de interés

ERC Work Programme 2022 (WP 2023 se publicará a principios de julio 2022)

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

Calendario ERC 2023: <https://erc.europa.eu/news/calls-2023-tentative-dates>

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>

How to apply for your ERC Proof of Concept Grant

https://www.youtube.com/watch?v=v_WAKrKgWKs

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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
- 

7

How to apply for your ERC Proof of Concept Grant
European Research Council

SERIES OF WEBINAR STG-2023

Webinars I y II: Cómo preparar una propuesta ERC- Starting Grant 2023

Presentaciones: <https://www.horizonteeuropa.es/webinars-erc-starting-grant-2023>

Webinar III: Aprendiendo de ERC-StG2021. Experiencia de 3 ERC Grantees

31/05/2022 de 09.45-11.30h

Inscripción: <https://register.gotowebinar.com/register/596046775774434571>

09:45-10h Bienvenida y estadísticas convocatoria Starting Grant 2021



10:00-10:20h Social Sciences & Humanities

Marta Olazabal. IMAGINE Adaptation: IMAGINE Climate Change Adaptation In Urban Areas.

BC3 Basque Centre For Climate Change - Klima Aldaketa Ikergai e Ikerbasque.

SH7 Human Mobility, Environment, and Space



10:20-10:40h Physical Sciences & Engineering

Niki Vazou. CRETE: Certified Refinement Types.

Fundación IMDEA Software Institute.

PE6 Computer Science and Informatics



10:40-11:00h Life Sciences

Shari Van Wittenberghe. PHOTOFUX: Global assessment of plant photosynthesis optimization for climate change versus enhanced plant productivity. Universitat de València.

LS9 Biotechnology and Biosystems Engineering

11-11:30h Q&A

MUCHAS GRACIAS