



AGÊNCIA NACIONAL
DE INOVAÇÃO



EUROPEAN RESEARCH COUNCIL 2020 THE 'WHATS' & 'WHYS'

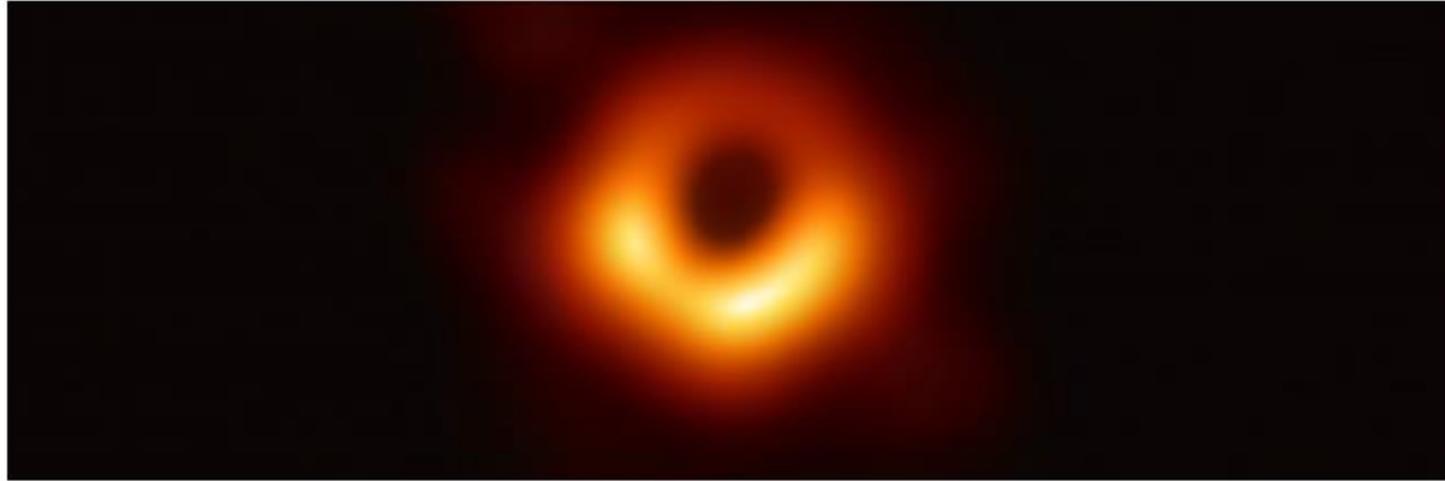
MARISA BORGES



Our talk in two points...

- 1. ERC Grants: what and why?**
- 2. Kind of an introduction to the 'how'**

EU-FUNDED SCIENTISTS UNVEIL FIRST EVER IMAGE OF A BLACK HOLE



Press release | 10-04-2019



The Commission is today revealing the first ever image of a black hole taken by Event Horizon Telescope, a global scientific collaboration involving EU-funded scientists. This major discovery provides visual evidence for the existence of black holes and pushes the boundaries of modern science.

Behind the scene with the blackhole scientists

10 April 2019





ERC Grants: what & why?

- ✓ Funding for frontier, ground-breaking research
- ✓ Bottom-up approach
- ✓ Tailored for the researcher: his/her career, his/her idea
- ✓ Excellence is the sole criterion for evaluation



ERC Grants: what & why?

General ideas

- ✓ ERC expects
 - ✓ Proposals of an interdisciplinary nature
 - ✓ Pioneering proposals addressing new and emerging fields of research
 - ✓ Proposals introducing unconventional, innovative approaches and scientific inventions
 - ✓ Research with a high-gain/high-risk pioneering projects
 - ✓ Feasible projects



ERC Grants: what are they?

General ideas

- ✓ **PI eligibility**
 - ✓ The PI may be of any age and nationality
 - ✓ For Starting & Consolidator, there is an eligibility window based on your PhD
- ✓ **Hosting Institution eligibility**
 - ✓ public or private organization
 - ✓ located in one of the EU Member States or Associate Countries



ERC Grants: what are they?

General ideas

- ✓ One PI, One HI, One ERC project
- ✓ Portability of the Grant
- ✓ PI & his|her team



ERC Grants: what are they?

Starting Grants

2-7 years after PhD)
1,5 M €
for 5 years

Consolidator Grants

(7-12 years after PhD)
2 M €
for 5 years

Advanced Grants

Significant research
achievements (last 10 Y)
2,5 M €
for 5 years

Additional funding – 1 M €

Synergy Grants (SyG)

research achievements
10 M €
For 6 years
(Additional funding of up to 4M€)



ERC Grants: what are they?

Starting Grants

2-7 years after PhD)
1,5 M €
for 5 years

✓ PI profile

✓ 'potential for research independence; at least one important publication as main author or without the participation of their PhD supervisor.

✓ a promising track record of early achievements appropriate to their research field and career stage

✓ A StG PI is expected to

✓ Have at least 50% working time to ERC

✓ Spend at least 50% working time in EU or Associated Country

Up to 5 publications in major international peer-reviewed multi-disciplinary scientific journals **and/or** in the leading international peer-reviewed journals, peer-reviewed conferences proceedings **and/or** monographs)"



ERC Grants: what are they?

✓ PI profile

- ✓ 'shown research independence and evidence of maturity, for example by having produced several important publications as main author or without the participation of their PhD supervisor
- ✓ a promising track record of early achievements appropriate to their research field and career stage

✓ A CoG PI is expected to

- ✓ Have at least 40% working time to ERC
- ✓ Spend at least 50% working time in EU or Associated Country

Consolidator Grants

(7-12 years after PhD)
2 M €
for 5 years

Up to 10 publications in major international peer-reviewed multi-disciplinary scientific journals and/or in the leading international peer-reviewed journals, peer-reviewed conferences proceedings and/or monographs)



ERC Grants: what are they?

Advanced Grants

Significant research achievements (last 10 Y)
2,5 M €
for 5 years

✓ PI profile

✓ 'expected to be active researchers and to have a track record of significant research achievements in the last 10 years

✓ an exceptional leader in terms of originality and significance of their research contributions.

✓ A AdG PI is expected to

✓ Have at least 30% working time to ERC

✓ Spend at least 50% working time in EU or Associated Country

Up to ten representative publications, from the last ten years, as main author in international peer-reviewed multi-disciplinary scientific journals and/or in the leading international peer-reviewed journals, peer-reviewed conferences proceedings and/or monographs)"



ERC Grants: what are they?

**Synergy Grants
(SyG)**
research
achievements
10 M €
For 6 years

✓ Between 2-4 PI

- ✓ Pis must demonstrate the synergies, complementarities and added value that could lead to breakthroughs that would not be possible by the individual Principal Investigators working alone.
- ✓ Applications are expected from a **group of innovative and active PI** with competitive track records as appropriate to their career stage and each must present as part of the proposal an early achievement track record or a 10-year track-record



ERC Grants: what are they?

**Synergy Grants
(SyG)**
research
achievements
10 M €
For 6 years

- ✓ SyG Team is not expected to change
- ✓ PIs are expected to
 - ✓ Have at least 30% working time to ERC
 - ✓ Spend at least 50% working time in EU or Associated Country

Since 2019, one PI can
be in a HI in a third
country





ERC Grants: what are they?

Starting Grants

2-7 years after PhD)
1,5 M €
for 5 years

✓ Eligibility check

✓ How much time has passed since you got your PhD? – reference is January 1st of the year of the Work Programme.

For 2020, the question is: 'On January 1st 2020, how much time has passed since I got my PhD?'

Consolidator Grants

(7-12 years after PhD)
2 M €
for 5 years

✓ Eligibility Extension

- ✓ Maternity: at least 18 months/child,
- ✓ Paternity: effective number of days
- ✓ National service, clinical training, long-term illness

If you have a medical degree, specific rules may apply, in what concerns the eligibility window and eligibility extension. Check the Work Programme!



ERC Grants: what are they?

Starting Grants

Consolidator
Grants

Advanced Grants



Proof-of-Concept

“bridging gap between research – earliest stage of marketable innovation”

até 150,000 € por 12-18 meses



Our talk in two points...

1. ERC Grants: what and why?
2. Kind of an introduction to the 'how'



Understanding the evaluation process

Starting
Grants

Consolidator
Grants

Advanced
Grants

Proposal is submitted

- ✓ Part A
- ✓ Part B – B1 (synopsis+CV+track record) & B2 (scientific proposal)
- ✓ Annexes

Eligibility check

Evaluation Panel Chair sends your proposal
panel members

You decide which
panel will evaluate
your proposal



Understanding the evaluation process

Evaluation Panels



Panels in three main scientific areas

- ✓ Life Sciences (9 panels)
- ✓ Physical Sciences & Engineering (10 panels)
- ✓ Social Sciences and Humanities (6 panels)

Starting
Grants

Consolidator
Grants

Advanced
Grants



Understanding the evaluation process

Evaluation Panels

- ✓ Evaluators become members by invitation, based on their expertise
- ✓ They have a limited number of years to serve as ERC evaluator
- ✓ They are asked to evaluate as generalist
- ✓ They evaluate in alternate years

This means that the person reading your proposal may not have an in-depth knowledge about the specificities of your idea.

This means that for the AdG 2019, it is very likely to that at least 50% of the evaluators took part in the 2017 evaluation

Starting Grants

Consolidator Grants

Advanced Grants



Understanding the evaluation process

Evaluation Panels

When you choose your panel, you choose your audience. So get to know them. And understand how you need to adjust your writing accordingly.

Starting Grants

Consolidator Grants

Advanced Grants





Understanding the evaluation process

The 2-Step evaluation process – Step 1

Starting
Grants

Consolidator
Grants

Advanced
Grants

- ✓ Only B1 is read at Step 1 by panel members
- ✓ Your result at this step dictates your future
 - ✓ A – invited for interview in Brussels (StG & CoG)
 - ✓ B & C – rejected & face restrictions
 - ✓ B – not allowed to submit in the following WP
 - ✓ C – not allowed to submit in the following 2 WP

This means that an excellent B1 is crucial to take you to Step 2 and avoid restrictions



Understanding the evaluation process

The 2-Step evaluation process – Step 2 (requires A at Step1)

Starting Grants

✓ B1 and B2 are read by panel members and remote reviewers (experts on your proposal topic)

Consolidator Grants

✓ Interview by panel members based on the reports (StG & CoG)

Advanced Grants

✓ Final evaluation results

✓ A – funded!! 😊

Depending on the budget, some As may not be funded..

✓ B – rejected but can re-apply the following year!



Koaitth - Understanding the evaluation process

The 3-Step evaluation process – Step 1

Synergy
Grants

- ✓ Only B1 is read at Step 1 by panel members
- ✓ Your result at this step dictates your future
 - ✓ A – go to Step 2
 - ✓ B & C – rejected & face restrictions
 - ✓ B – not allowed to submit in the following WP to SyG
 - ✓ C – not allowed to submit in the following WP to AdG and SyG



Understanding the evaluation process

The 3-Step evaluation process – Step 2

Synergy
Grants

- ✓ B1 & B2 are read
- ✓ Your result at this step dictates your future
 - ✓ A – go to Step 3 and are invited for an interview in Brussels
 - ✓ B – rejected but allowed to submit in the following WP to SyG



Understanding the evaluation process

The 3-Step evaluation process – Step 3

Synergy
Grants

- ✓ Interview
- ✓ Final results
 - ✓ A – funded! 😊
 - ✓ B – rejected but allowed to submit in the following WP



Understanding the evaluation process

Other grounds for restrictions to submission

Starting Grants

Consolidator Grants

Advanced Grants

Synergy Grants

- ✓ PI has an ongoing ERC Grant
- ✓ PI has been an evaluator in the 2 years before the submission
- ✓ Breach of research integrity – 2 years out!



Understanding the evaluation process

Evaluation is based on Excellence



- ✓ Excellence of PI
- ✓ Excellence of Idea/project



Understanding the evaluation process

Excellence of PI: Intellectual capacity and creativity

Starting
Grants

- ✓ Ability to conduct ground-breaking research
- ✓ PI provide evidence of creative independent thinking
- ✓ PI has the required scientific expertise and capacity to successfully execute the project

Consolidator
Grants



Understanding the evaluation process

Excellence of PI: Intellectual capacity and creativity

Advanced
Grants

- ✓ Ability to conduct ground-breaking research
- ✓ Required scientific expertise and capacity to successfully execute the project

Synergy
Grants

- ✓ Sound leadership in the training and advancement of young scientists (for Advanced Grant applicants)



Understanding the evaluation process

Excellence of Idea - Ground-breaking nature & impact



- ✓ address important challenges
- ✓ ambitious objectives and beyond the state of the art
- ✓ high risk/high gain



Understanding the evaluation process

Excellence of Idea – Scientific Approach



- ✓ outlined scientific approach is feasible even if it is high risk/high gain (based on B1)
- ✓ proposal goes beyond what the individual Principal Investigators could achieve alone (SyG, based on B1)
- ✓ To what extent is the combination of scientific elements put forward in the proposal crucial to address the scope and complexity of the research question? (based on the Extended Synopsis)



Understanding the evaluation process

Excellence of Idea – Scientific Approach



- ✓ proposed research methodology and working arrangements are appropriate to achieve the goals of the project (based on B2)
- ✓ To what extent does the proposal involve the development of novel methodology (based on B2)
- ✓ proposed timescales, resources and PI commitment adequate and properly justified (B2)





Wait!

Before you start your application ask yourself

4. Who can help me?

3. Do I have the time to build a strong, competitive proposal?

1. Does my idea fit ERC?

2. Is this the right time to apply?



Some guidelines

Know the rules



Understanding the evaluation process



Get to know the template!



Some guidelines

Get to know the template – Part A

Part A

To be filled out online

Administrative information about the project and the Principal Investigator, Budget, and Ethics table



Horizon 2020
Excellent Science

Call:

Topic:

Type of action:

Proposal number:

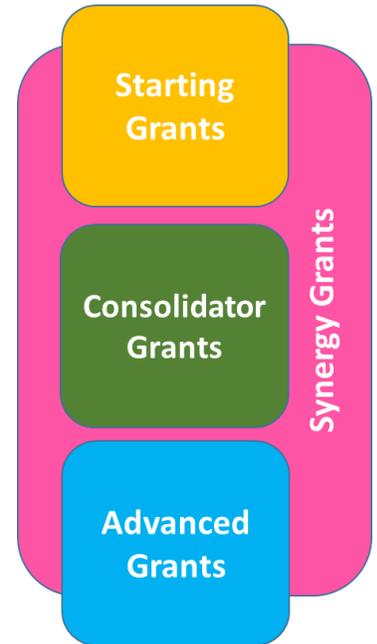
Proposal acronym:

[Table of contents](#)

Section	Title	Action
1	General information	
2	Participants & contacts	
3	Budget	
4	Ethics	
5	Call-specific questions	

How to fill in the forms

The administrative forms must be filled in for each proposal using the templates available in the submission system. Some data fields in the administrative forms are pre-filled based on the previous steps in the submission wizard.





Some guidelines

Get to know the template – Part B1

Part B1

PDF to be uploaded
To be evaluated in step 1

Extended Synopsis (5pg) – Concise presentation of the scientific proposal – need to affirm the ground-breaking nature of the research project and its feasibility.

Curriculum Vitae (2 pg) – Standard academic and research record and succinct ‘funding ID’

Achievements track-record (2pg) – publications; invited presentations in well-established international conferences, granted patents, awards, prizes, etc.

Applicant's last name Part B1 ACRONYM

ERC Starting Grant 2014
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

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

The abstract (summary) should, at a glance, provide the reader with a clear understanding of the objectives of the research proposal and how they will be achieved. The abstract will be used as the short description of your research proposal in the evaluation process and in communications to contact in particular the potential remote referees and/or inform the Commission and/or the programme management committees and/or relevant national funding agencies (provided you give permission to do so where requested in the online proposal submission forms, section 1). It must therefore be short and precise and should not contain confidential information.

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

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

Starting Grants

Consolidator Grants

Advanced Grants

Synergy Grants



Some guidelines

Get to know the template – Part B2

Part B2

PDF to be uploaded
To be evaluated in step 2

Scientific Proposal

State of the art and objectives

Methodology

Ethics submitted as annex to application

NEW!

RESOURCES (INCL. PROJECT COSTS) –
MOVED TO PART A (ONLINE FORM)

15page limit still stands – Part B2 and the
resources section cannot exceed the 15 page limit

Applicant's last name Part B1 ACRONYM

ERC Starting Grant 2014
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
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Starting Grants

Consolidator Grants

Advanced Grants

Synergy Grants



Some guidelines

Know the rules



Understanding the evaluation process



Get to know the template!



Write (& dream) – but be smart (even in the dreaming part)



Some guidelines

Write (& dream)

What?

Why?

How?

Why me? Why now?



Gabinete de Promoção dos Programas Quadro

duplicar a Presença Portuguesa nos Programas



AGÊNCIA NACIONAL DE INOVAÇÃO



Koaitth – Some guidelines

Know the rules



Understanding the evaluation process



Get to know the template!



Write (& dream) – but be smart (even in the dreaming part)

Revise, revise, revise. Polish, polish, polish. Coherence, coherence, coherence.



THE H2020 EFFECT:

CAN WE PANIC NOW?

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ERC@Portugal – H2020 so far...

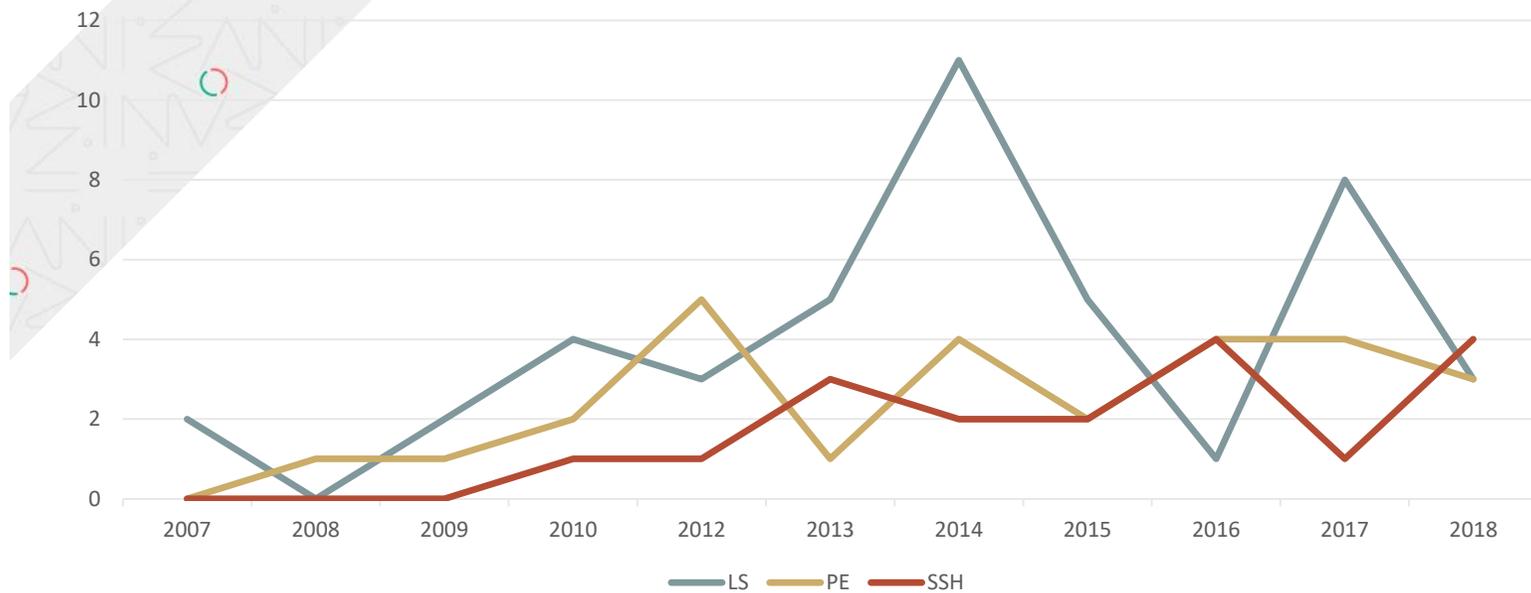
7FP	33	50 M€
H2020	58	104 M€

Number of Coordinations (excluding PoC)

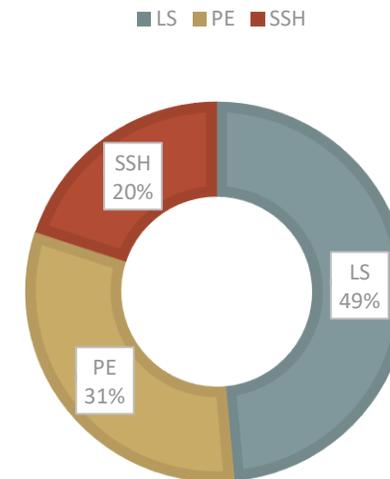


ERC@Portugal – H2020 so far...

ERC (Coord) - Domain



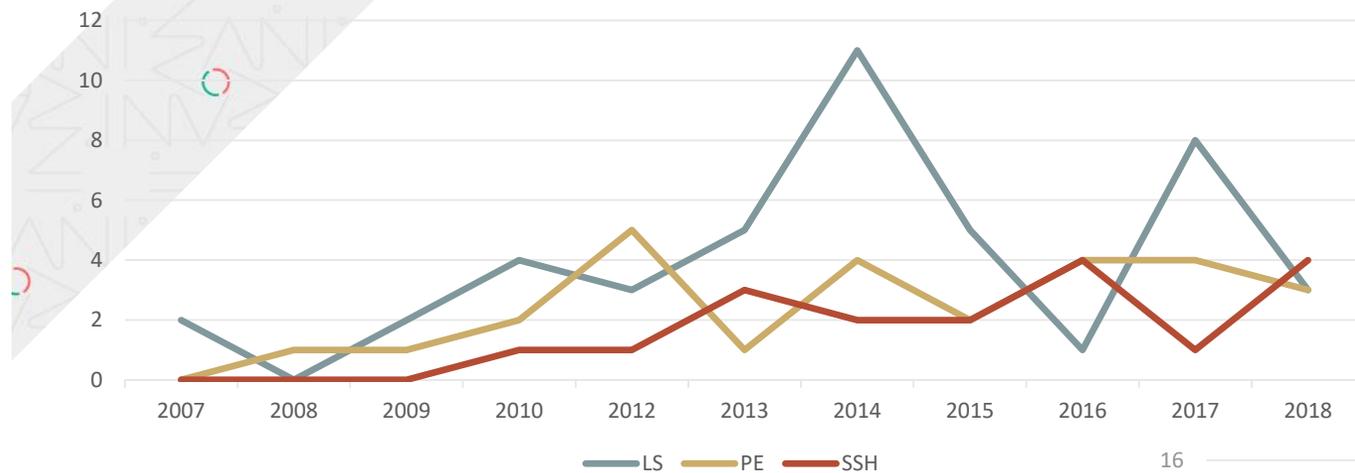
€ ERC H2020 (COORD) - DOMAIN



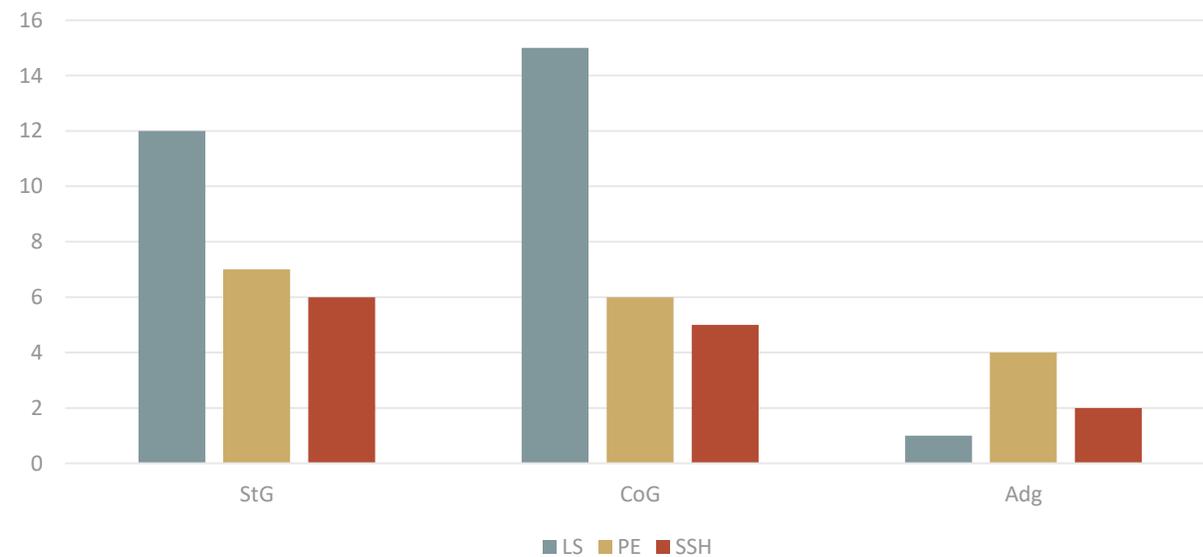


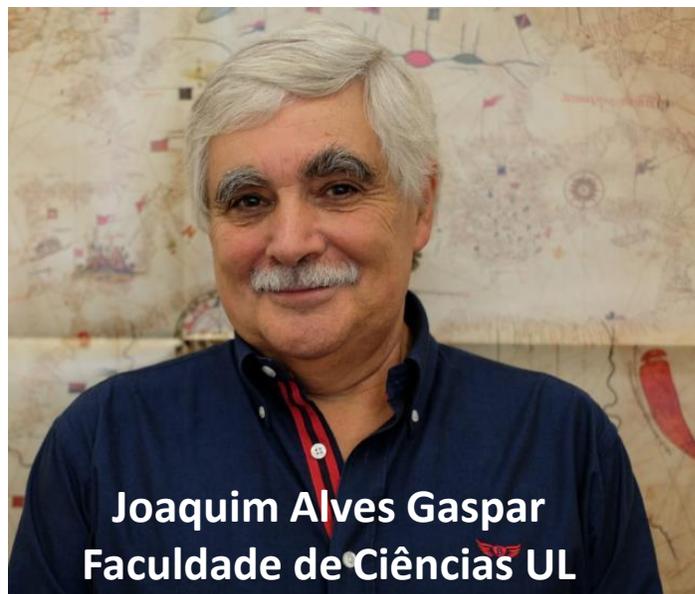
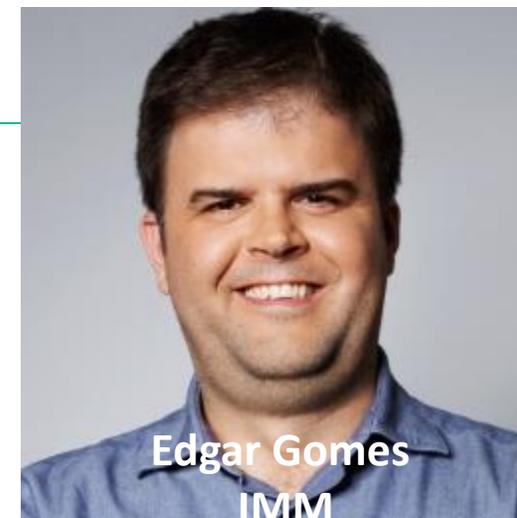
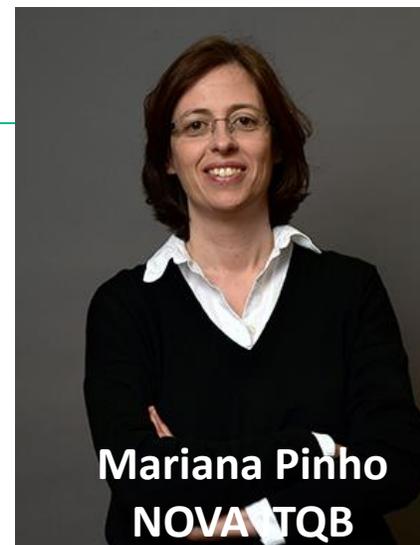
ERC@Portugal – H2020 so far...

ERC (Coord) - Domain



ERC (Coord) – Domain & Grant







**MAKE
IT, WE WILL.**

**POSSIBLE,
IT WILL BE.**



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ALL THE INFORMATION PROVIDED IN THIS PRESENTATION
IS AVAILABLE IN THE ERC DOCUMENTS PROVIDED TO
APPLICANTS BEFORE THEY SUBMIT.

The ERC Work Programme is published annually, around July. This is the legally binding document in what concerns eligibility criteria, deadlines, etc. The information provided here reflects the changes introduced by the Work Programme 2020. All the info referring to Information for applicants is based on the 2019 documents and will have to be confirmed once the 2020 documents are published.



Document establishing the ERC rules

ERC Work Programme 2020



INFORMATION FOR APPLICANTS

Information for Applicants to the Starting and Consolidator Grant 2019

Calls

The 2020 version will be available at the Starting Grant Call [page](#), after the call opens on July 17th. Its reading is mandatory.

Information for Applicants to the Synergy Grant 2019 Call

The 2020 version will be available at the Synergy Grant Call [page](#), after the call opens on July 18th. Its reading is mandatory.

Information for Applicants to the Advanced Grant 2019 Call

This document explains how the changes in the template (resources moving to Part A) will happen in practice.



Information about evaluation

[Guidance for peer reviewers](#)

[Past panel members for the different calls](#)



Ethics

ERC – Ethics Self-Assessment

Open Research Data and Data Management Plans

Ethics and Data Protection



WHERE TO FIND THIS INFORMATION



SUPPORTING TOP RESEARCHERS FROM ANYWHERE IN THE WORLD



NEWS

> MORE NEWS

28-11-2018

ERC awards €573 million to mid-career researchers from 40 countries

23-10-2018

Synergy Grants: €250 million for world class science

OPEN CALLS

Proof of Concept | ERC-2019-PoC

[Information for applicants](#)

[Instruction guide for using html5](#)

Deadline: 22 Jan 2019, 25 Apr 2019, 19 Sep 2019

Consolidator Grants | ERC-2019-CoG

[Information for applicants](#)

Deadline: 7 Feb 2019

The official deadlines are only those indicated on the [Participant Portal](#)

Get support from your [National Contact Point](#)

Info & relevant documents are now organized under each call



WHERE TO FIND THIS INFORMATION



CONSOLIDATOR GRANTS



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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.



OPEN CALL

Consolidator Grants | [ERC-2019-CoG](#)
[Information for applicants](#)
Deadline: 7 Feb 2019

ON-GOING EVALUATIONS

[Timeframe Consolidator Grant 2018](#)

UPCOMING CALL

See OPEN CALL

USEFUL DOCUMENTS

[ERC Work Programme 2019](#)
[ERC Consolidator Grants 2019 – Information for applicants](#)
[ERC Guide for Peer Reviewers 2019](#)

USEFUL DOCUMENTS

[ERC Work Programme 2019](#)
[ERC Consolidator Grants 2019 – Information for applicants](#)
[ERC Guide for Peer Reviewers 2019](#)

More documents are available in the [ERC document library](#) or on the [Participants Portal](#)

CHOOSE YOUR PANEL

[ERC peer review evaluation panels \(2018 calls\)](#)



KEEP CALM

**CALL YOUR
H2020 NCP**

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ERC
Sociedades
SWAF S



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[Website GPPQ](#)

duplicar a Presença Portuguesa nos Programas Europeus



KEEP CALM
CALL YOUR
H2020 NCP

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