



Your R&D is our DNA

Programa formativo



Programa European Research Council (ERC) and
Marie Skłodowska-Curie Actions (MSCA)

24/03/2023



**Euro
Funding**

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Proyectos del European Research Council (ERC) y Marie Skłodowska-Curie Actions (MSCA)

TRL1

TRL3

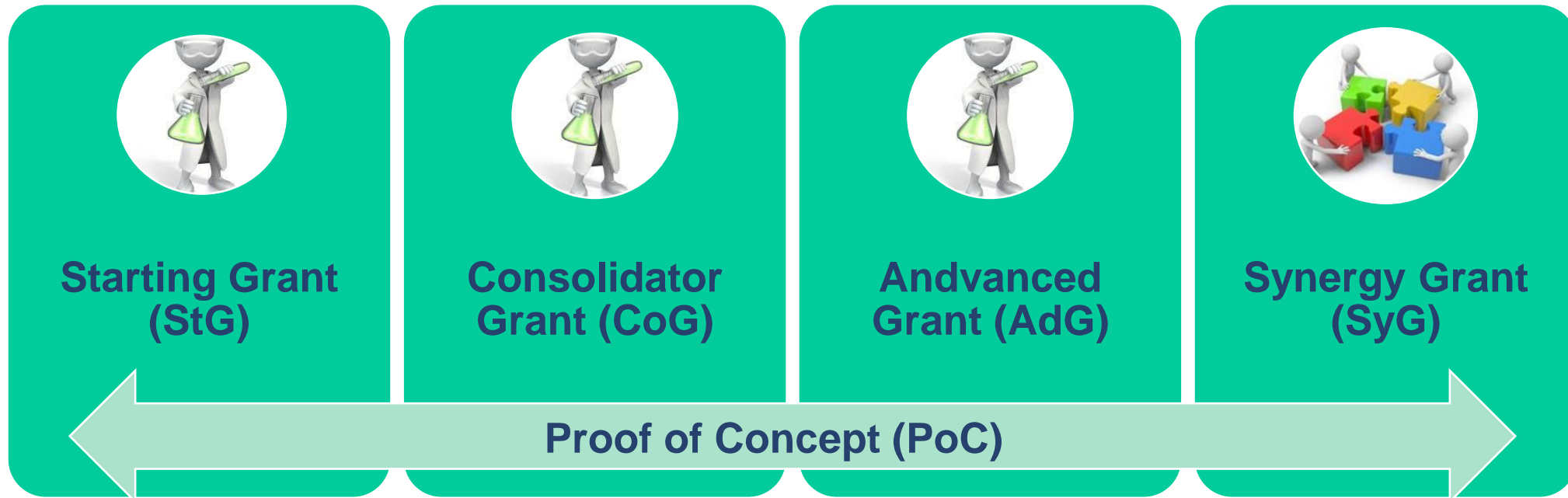
TRL5

TRL8



Proyectos del European Research Council

- El Consejo Europeo de Investigación lanza con periodicidad anual convocatorias de subvenciones a proyectos de investigación de distintos tipos (presupuesto total \approx 2.2. billones de €).
- Las subvenciones ofrecidas siguen 5 esquemas diferentes:



Proyectos del European Research Council



Convocatorias	Destinatarios	Financiación y duración
Starting Grant (StG)	Investigadores (cualquier nacionalidad) con 2-7 años de experiencia desde la finalización del doctorado (u otra titulación equivalente)	Hasta 1,5 M € (en algunos casos, hasta 2 M €) Duración: hasta 5 años
Consolidator Grant (CoG)	Investigadores (cualquier nacionalidad) con 7-12 años de experiencia desde la finalización del doctorado (u otra titulación equivalente)	Hasta 2 M € (en algunos casos, hasta 2,75 M €) Duración: hasta 5 años
Advanced Grant (AdG)	Investigadores (cualquier nacionalidad) y edad; científicamente independientes , líderes en sus respectivos campos de investigación	Hasta 2,5 M € (en algunos casos, hasta 3,5 M €) Duración: hasta 5 años
Synergy Grant (SyG)	Mínimo de 2 y un máximo 4 investigadores principales (uno de ellos deberá figurar como investigador principal líder)	Hasta 10 M € (posibilidad de 4 M € extra) Duración: hasta 6 años
Para los investigadores que ya hayan obtenido una subvención de este organismo.		
Proof of Concept (PoC)	Investigadores principales beneficiarios de una subvención ERC en curso o cuyo proyecto haya finalizado menos de 12 meses antes de la fecha de publicación de la convocatoria ERC PoC.	Hasta 150 000 € Duración: 18 meses

2023 Calls Calendar (tentative dates)

- After two rounds of “untypical scheduled” ERC grants...
- Work Programme 2023 approved

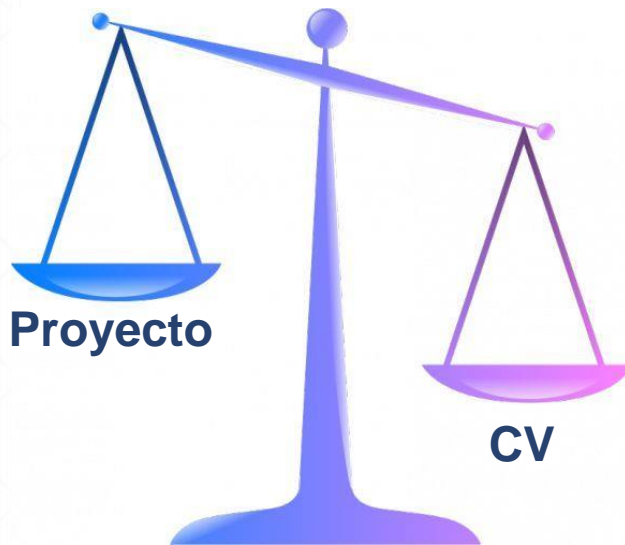
	Starting Grant	Consolidator Grant	Advanced Grant	Synergy Grant
Call identifier	ERC-2023-StG	ERC-2023-CoG	ERC-2023-AdG	ERC-2023-SyG
Call opens	12/07/2022	28/09/2022	08/12/2022	13/07/2022
Call deadline	25/10/2022	02/02/2023	23/05/2023	08/11/2022

Proof of Concept Grant	
Call identifier	ERC-2023-PoC
Opening of the call 20/10/2022	
Cut-off dates or deadline for applications	
	24/01/2023
	20/04/2023
	14/09/2023

1. ERC Starting Grant (StG)

Convocatorias	Destinatarios	Financiación y duración
Starting Grant (StG)	Investigadores (cualquier nacionalidad) con 2-7 años de experiencia desde la finalización del doctorado (u otra titulación equivalente)	Hasta 1,5 M € (en algunos casos, hasta 2 M €) Duración: hasta 5 años

- Convocadas 1 vez al año – Open topic (“bottom – up”)
- **Ambicioso (*Excellence*) + Pionero (*Innovation*) + Realista (*Feasible*) = Proyecto StG**



Objetivos:

- Cambiar el estado del arte (SoA) de un topic
- Proyecto con vistas a desarrollar una futura línea de investigación
- Mostrar la independencia del investigador – Capacidad de Liderazgo

Estructura de la propuesta:

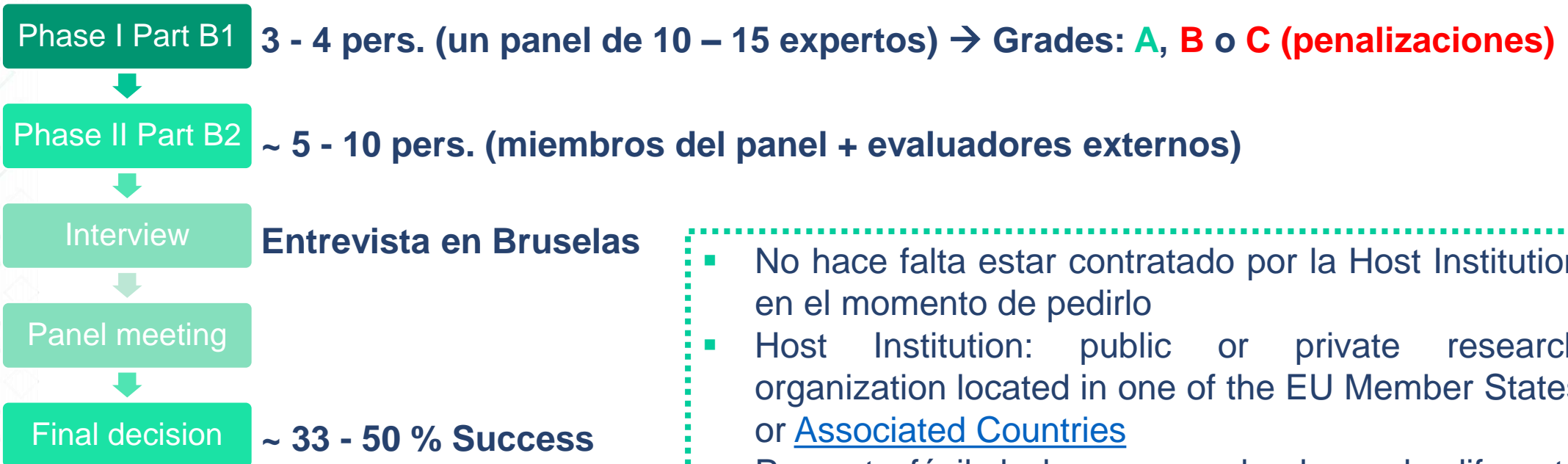
- Parte B1: Sinopsis (5 pág.) + CV (2 pág.) + Trayectoria (2 pág.)
- Parte B2: Proyecto (14 pág.)
- Anexos: título PhD, aspectos éticos del proyecto...

1. StG Evaluation and Tips

Proceso de Evaluación:

En total existen 27 paneles de evaluación – El número depende del área de conocimiento:

- ✓ 11 - *Physical Sciences and Engineering*
- ✓ 9 – *Life Sciences*
- ✓ 7 – *Social Sciences and Humanities*



- No hace falta estar contratado por la Host Institution en el momento de pedirlo
- Host Institution: public or private research organization located in one of the EU Member States or Associated Countries
- Proyecto fácil de leer por evaluadores de diferente áreas de conocimiento

1. CoG Evaluation and Tips

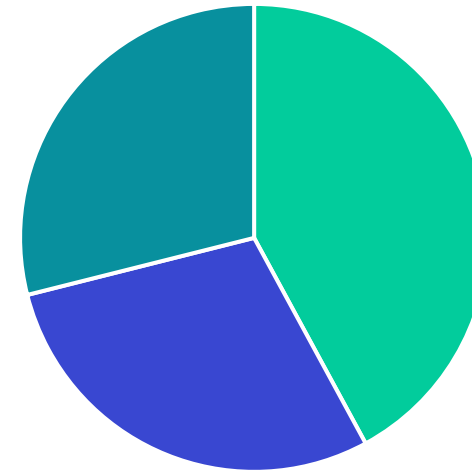
Phase I Part B1

3 - 4 pers. (un panel de 10 – 15 expertos) → Grades: **A**, **B** o **C** (penalizaciones)

Call to which the Principal Investigator applied under previous ERC Work Programmes and proposal evaluation outcome		2023 ERC calls to which a Principal Investigator is <i>not</i> eligible
2021 and 2022 Starting, Consolidator, Advanced Grant or 2022 Synergy Grant	Rejected on the grounds of a breach of research integrity	Starting, Consolidator, Advanced, and Synergy Grant
	C at Step 1	Starting, Consolidator, and Advanced Grant
2022 Synergy Grant	A or B at Step 3	No restrictions
	B at Step 1 or 2	No restrictions
	C at Step 1	Advanced and Synergy Grant
2022 Starting, Consolidator, or Advanced Grant	A or B at Step 2	No restrictions
	B or C at Step 1	Starting, Consolidator, and Advanced Grant

1. ERC Starting Grants financiadas en 2022

- 408 proyectos financiados
- 2,932 solicitudes (28 % menos que en la anterior convocatoria)
- Success rate 16%



- Physical Sciences and Engineering
- Social Science and Humanities
- Life Sciences

The ERC Starting Grants 2023 call closed for applications on 25 October 2022.

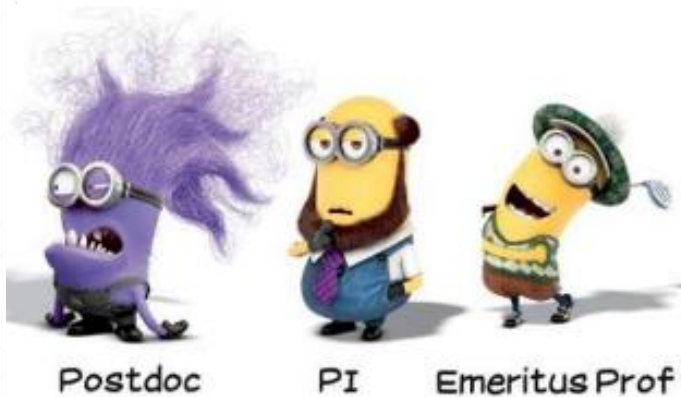
These are the preliminary data on submitted proposals:

- The ERC received 2,696 applications. This marks a decrease of 8% compared to the previous call in 2022. The applicants' success rate in this competition is estimated at 15%.
- The highest number of applications was submitted in the domain of Physical Sciences and Engineering (1,151 - 43%), followed by Social Science and Humanities (814 - 30%), and Life Sciences (731 - 27%).
- Women submitted nearly 40% of proposals, compared to 41% in the Starting Grants call in 2022 and 40% in 2021.

2. Consolidator Grant (CoG)

Convocatorias	Destinatarios	Financiación y duración
Consolidator Grant (CoG)	Investigadores (cualquier nacionalidad) con 7-12 años de experiencia desde la finalización del doctorado (u otra titulación equivalente)	Hasta 2 M € (extra 1 M € para compra de equipos grandes, movilidad excluyendo gastos personales) Duración: hasta 5 años

- Convocadas 1 vez al año – Open topic (“bottom – up”)
- **Ambicioso (*Excellence*) + Pionero (*Innovation*) + Realista (*Feasible*) = Proyecto CoG**



Objetivos:

- Proyecto con vistas a consolidar un grupo de investigación (línea de investigación) o si ha creado recientemente un equipo...
- Necesario mostrar total independencia – Artículos como primer autor, PI en proyectos de investigación, patentes...
- Excelencia Científica (único criterio de evaluación)

Estructura de la propuesta:

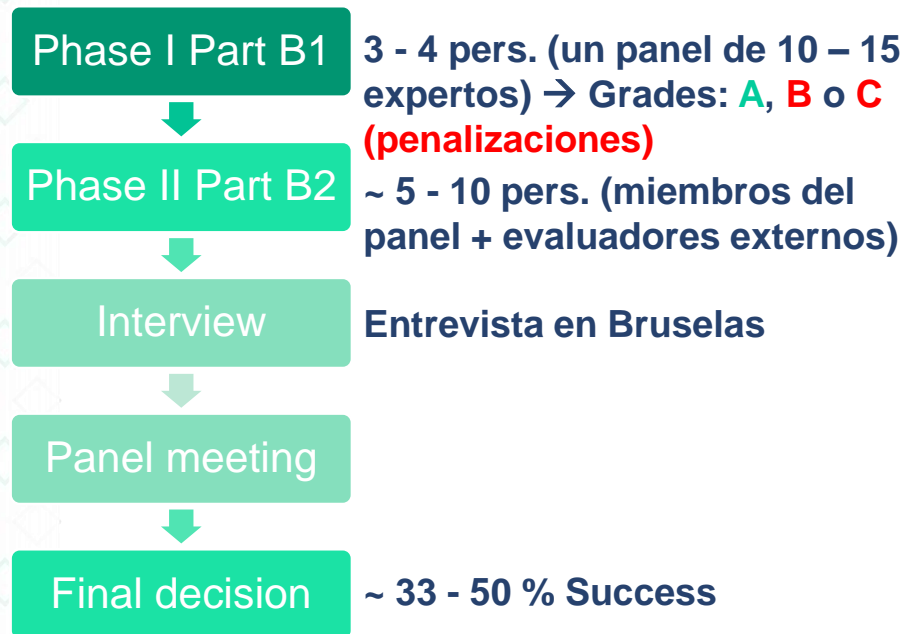
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2. CoG Evaluation

Proceso de Evaluación:

En total existen 27 paneles de evaluación – El número depende del área de conocimiento:

- ✓ 11 - *Physical Sciences and Engineering*
- ✓ 9 – *Life Sciences*
- ✓ 7 – *Social Sciences and Humanities*



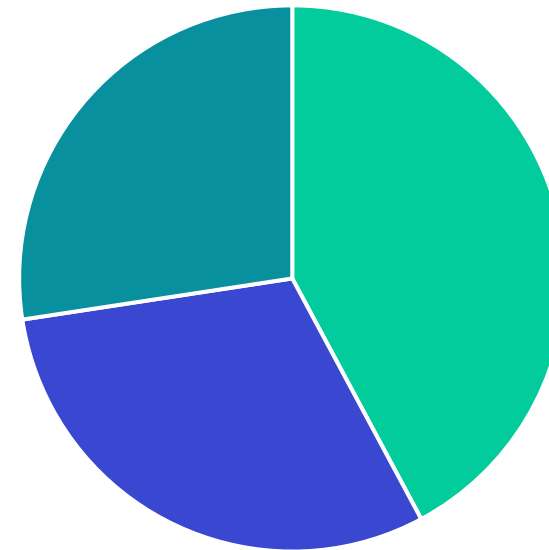
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2021 and 2022 Starting, Consolidator, Advanced Grant or 2022 Synergy Grant	Rejected on the grounds of a breach of research integrity	Starting, Consolidator, Advanced, and Synergy Grant
2021 Starting, Consolidator, or Advanced Grant	C at Step 1	Starting, Consolidator, and Advanced Grant
2022 Starting, Consolidator, or Advanced Grant	A or B at Step 2	No restrictions
	B or C at Step 1	Starting, Consolidator, and Advanced Grant

2. ERC Consolidator Grants financiadas en 2022

- 321 proyectos financiados
- 2.222 solicitudes (16,2 % menos que en la anterior convocatoria)
- Success rate 14%

The ERC Consolidator Grants 2023 call closed for applications on 2 February 2023. These are the preliminary data on the submitted proposals:

- The ERC received **2,130 proposals**. This is a decrease of 4.1% compared to the 2022 call when 2,222 applications were submitted.
- **Physical Sciences and Engineering** attracted the **highest number of applications** (881), followed by Social Science and Humanities (635), and Life Sciences (614).
- **Women** submitted **35.7% proposals**, which is a slightly lower percentage than in the 2022 call (36.6%).



- Physical Sciences and Engineering
- Social Science and Humanities
- Life Sciences

3. Advanced Grant (AdG)

Convocatorias	Destinatarios	Financiación y duración
Advanced Grant (AdG)	Investigadores (cualquier nacionalidad) y edad; científicamente independientes , líderes en sus respectivos campos de investigación	Hasta 2,5 M € (en algunos casos, hasta 3,5 M €) Duración: hasta 5 años

- Convocadas 1 vez al año – Open topic (“bottom – up”)
- Ambicioso (*Excellence*) + Pionero (*Innovation*) + Realista (*Feasible*) = Proyecto AdG**



Objetivos:

- Proyectos pioneros de alto riesgo que abran nuevos caminos en sus respectivos campos de investigación o en otros dominios.
- Dirigidas a investigadores ya consolidados como directores de investigación independientes (CV + Track Record de los últimos 10 años)

Estructura de la propuesta:

- Parte B1: Sinopsis (5 pág.) + CV (2 pág.) + Trayectoria (2 pág.)
- Parte B2: Proyecto (14 pág.)

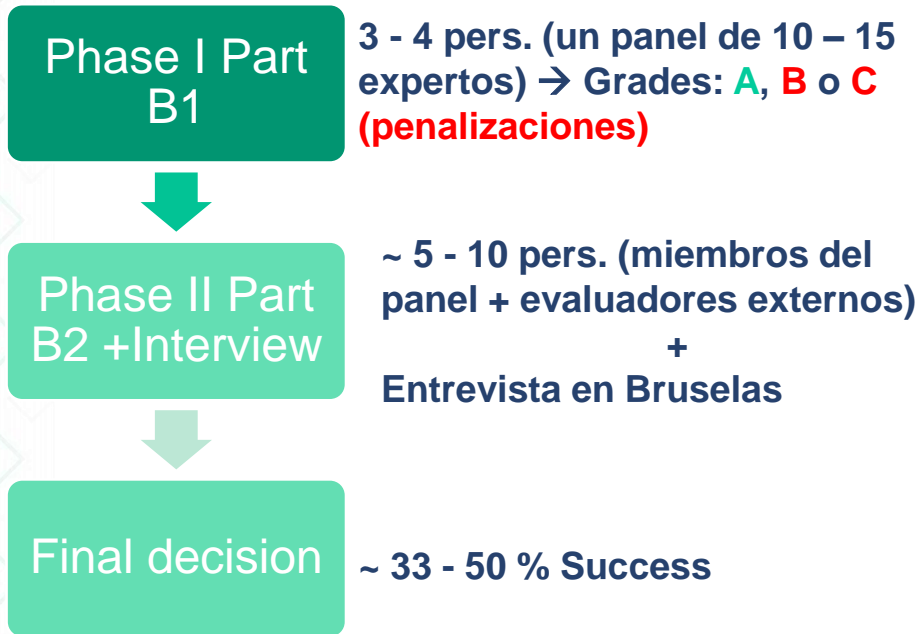
3. AdG Evaluation



27 paneles de evaluación:

- ✓ 11 - Physical Sciences and Engineering
- ✓ 9 – Life Sciences
- ✓ 7 – Social Sciences and Humanities

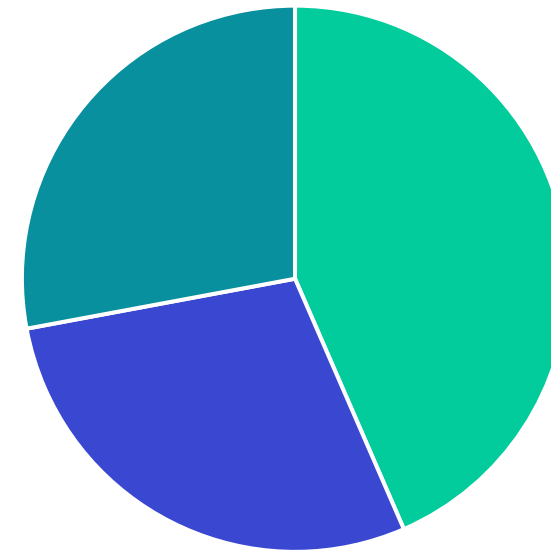
2-step evaluation process:



Call to which the Principal Investigator applied under previous ERC Work Programmes and proposal evaluation outcome		2023 ERC calls to which a Principal Investigator is <u>not</u> eligible
2021 and 2022 Starting, Consolidator, Advanced Grant or 2022 Synergy Grant	Rejected on the grounds of a breach of research integrity	Starting, Consolidator, Advanced, and Synergy Grant
2021 Starting, Consolidator, or Advanced Grant	C at Step 1	Starting, Consolidator, and Advanced Grant
2022 Starting, Consolidator, or Advanced Grant	A or B at Step 2	No restrictions
	B or C at Step 1	Starting, Consolidator, and Advanced Grant

3. ERC Advanced Grants financiadas en 2022

- 253 proyectos financiados
- 1.735 solicitudes (5 % menos que en la anterior convocatoria)
- Success rate 14,6 %
- 9 de los 13 proyectos que se desarrollarán en España serán liderados por mujeres



- Physical Sciences and Engineering
- Social Science and Humanities
- Life Sciences

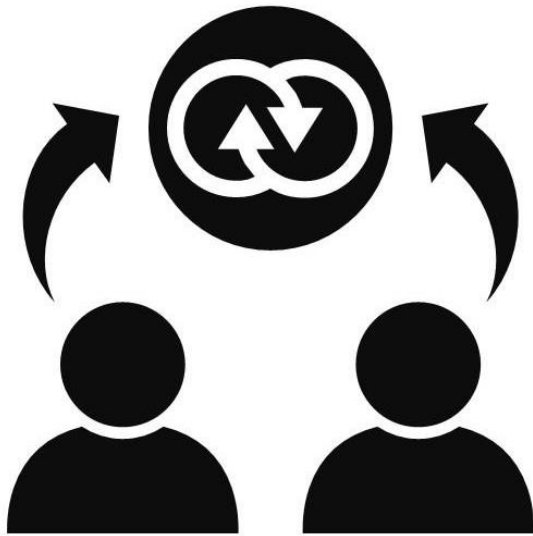


The ERC Advanced Grants 2023 will close on 23 May 2023.

4. Synergy Grant (SyG)

Convocatorias	Destinatarios	Financiación y duración
Synergy Grant (SyG)	Mínimo de 2 y un máximo 4 investigadores principales (uno de ellos deberá figurar como investigador principal líder)	Hasta 10 M € (posibilidad de 4 M € extra) Duración: hasta 6 años

- Convocadas 1 vez al año – Open topic (“bottom – up”)
- Ambicioso (*Excellence*) + Pionero (*Innovation*) + Realista (*Feasible*) + Sinergias (unconventional approaches) = Proyecto SyG**



Objetivos:

- Permitir a un pequeño grupo de investigadores principales y sus equipos integren de manera innovadora sus habilidades, conocimientos y recursos complementarios para abordar conjuntamente problemas de investigación.

Mín 2 – Máx 4 PIs:

- Se prevé que en la mayoría de los casos, los grupos de sinergia del ERC serán **interdisciplinarios** y, con frecuencia, incluirán planteamientos **multidisciplinares**. No obstante, esto **no es un requisito**, y podrán formular solicitudes colegas de la misma o similares disciplinas que reúnan planteamientos, conocimientos y recursos complementarios.

4. SyG Evaluation

Estructura de la propuesta:

- Parte B1: Sinopsis (5 pág.) + CV (2 pág.) + Trayectoria (2 pág.)
- Parte B2: Proyecto (14 pág.)

3-step evaluation process:



Call to which the Principal Investigator applied under previous ERC Work Programmes and proposal evaluation outcome		2023 ERC calls to which a Principal Investigator is <u>not</u> eligible
2021 and 2022 Starting, Consolidator, Advanced Grant or 2022 Synergy Grant	Rejected on the grounds of a breach of research integrity	Starting, Consolidator, Advanced, and Synergy Grant
	A or B at Step 3	No restrictions
2022 Synergy Grant	B at Step 1 or 2	No restrictions
	C at Step 1	Advanced and Synergy Grant

3. ERC Synergy Grants financiadas en 2022

- 29 proyectos financiados
- 358 solicitudes
- An average proposed project involves 3 PIs and has a budget of about 9 M €.
- Success rate 8,1 %



The ERC Synergy Grants 2023 call closed for applications on 8 November 2022.

These are the data on submitted proposals:

This year the ERC received **395 applications**. In total, 1,350 principal investigators with 1,236 host institutions applied. An average proposed project involves three principal investigators and has a budget of about €9.4 million.

Most of principal investigators come from German (197) and Italian (143) universities and research centres.

Women make up 27% of principal investigators in the proposed projects, similarly to the previous call in 2022. Furthermore, 65% of proposals include women, a slight increase from previous years.

5. Proof of Concept (PoC)

Convocatorias	Destinatarios	Financiación y duración
Proof of Concept (PoC)	Investigadores principales beneficiarios de una subvención ERC en curso o cuyo proyecto haya finalizado menos de 12 meses antes de la fecha de publicación de la convocatoria ERC PoC.	Hasta 150 000 € Duración: 18 meses

“Enable ERC-funded ideas to progress on the path from ground-breaking research towards innovation”

- Desde 2011: ERC – PoC
- Destinada a:** investigadores beneficiados con otra ERC (en curso ó <12 meses)
- Objetivo:** Aplicar el potencial innovador de las ideas surgidas en sus proyectos de investigación punteros financiados por el ERC
- Necesario** demostrar la vinculación entre la idea (proyecto PoC) y el correspondiente proyecto ERC financiado



5. Proof of Concept (PoC)

Proof of Concept Grant

Call identifier ERC-2023-PoC

Opening of the call 20/10/2022

	24/01/2023
Cut-off dates or deadline for applications	20/04/2023
	14/09/2023

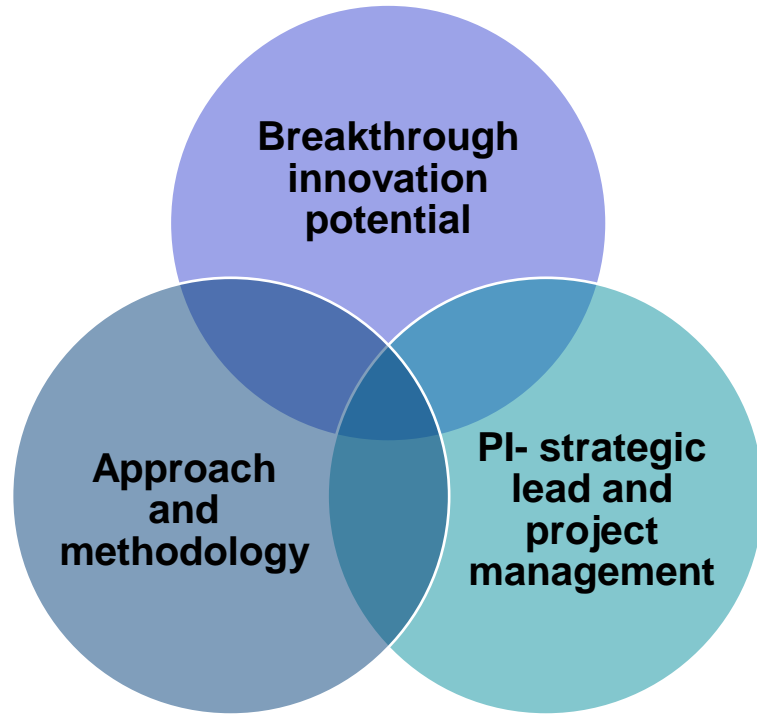
• **Objetivos específicos:**

1. Probar, experimentar, demostrar y validar la idea
2. Abordar las debilidades que se descubran durante el testeo
3. Establecer viabilidad, problemas técnicos y dirección general
4. Definir la protección de propiedad intelectual o la estrategia de transferencia de conocimiento
5. Involucrar a otros posibles *stakeholders* (socios industriales, organizaciones sociales o culturales, responsables políticos...)
6. Evaluar a los posibles “*end-users*” de la innovación esperada

▪ **Restricciones:**

- Un PI puede presentar solo una solicitud por convocatoria.
- Máx. 3 PoC financiados por ERC del que ha sido beneficiario (excepto ERC Synergy grant, máx. 6 PoC financiados).
- Los PIs beneficiarios de una Synergy grant pueden presentar PoC únicamente si tienen el consentimiento por escrito del resto de los PIs de la Synergy grant.

5. PoC Evaluation



Evaluation elements

1-step evaluation process:

External independent experts will evaluate independently each admissible and eligible proposal and mark it as

- “very good”,
- “good”
- or “fail”

for each of the three evaluation elements.

In order to be considered for funding, proposals will have to be awarded a pass mark (“very good” or “good”) by a majority of the experts on each of the three evaluation elements.

In 2021:

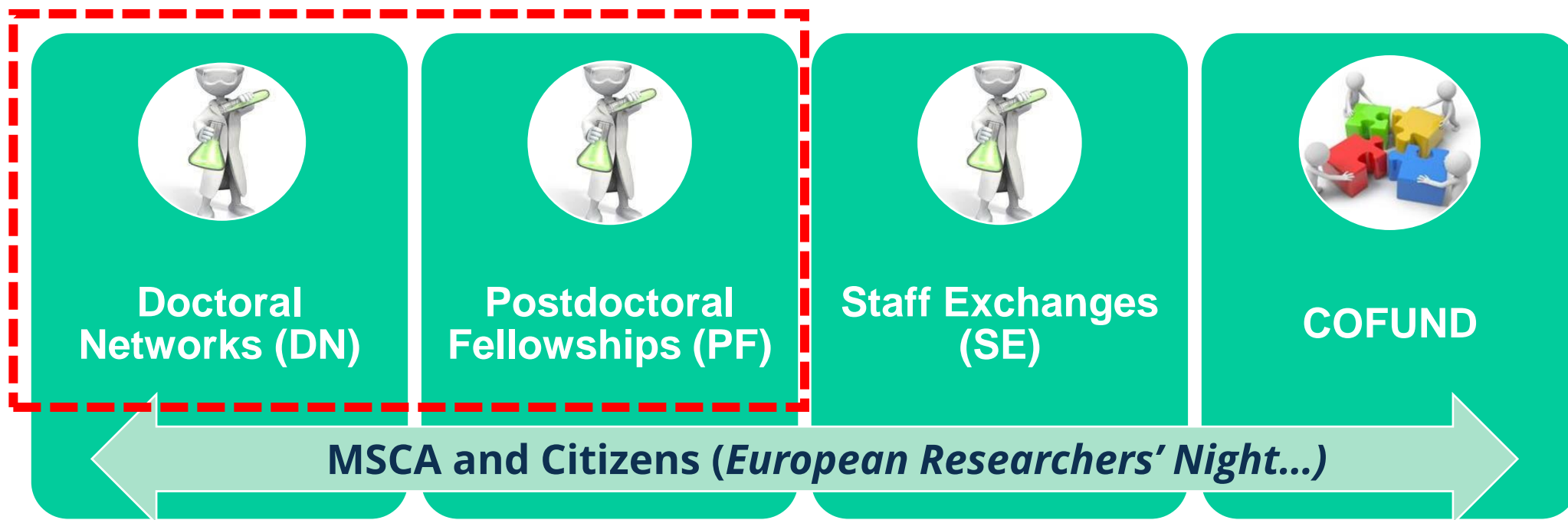
- 348 proposals evaluated as “very good”
- success rate of 48%

Proyectos del European Research Council (ERC) y Marie Skłodowska-Curie Actions (MSCA)



Marie Skłodowska-Curie Actions (MSCA)

- El Consejo Europeo de Investigación lanza con periodicidad anual convocatorias de subvenciones a proyectos de investigación de distintos tipos (presupuesto total ~ 2.2. billones de €).
- Las subvenciones ofrecidas siguen 5 esquemas diferentes:



1. MSCA – Doctoral Networks (DN)

Opening: 30 May 2023

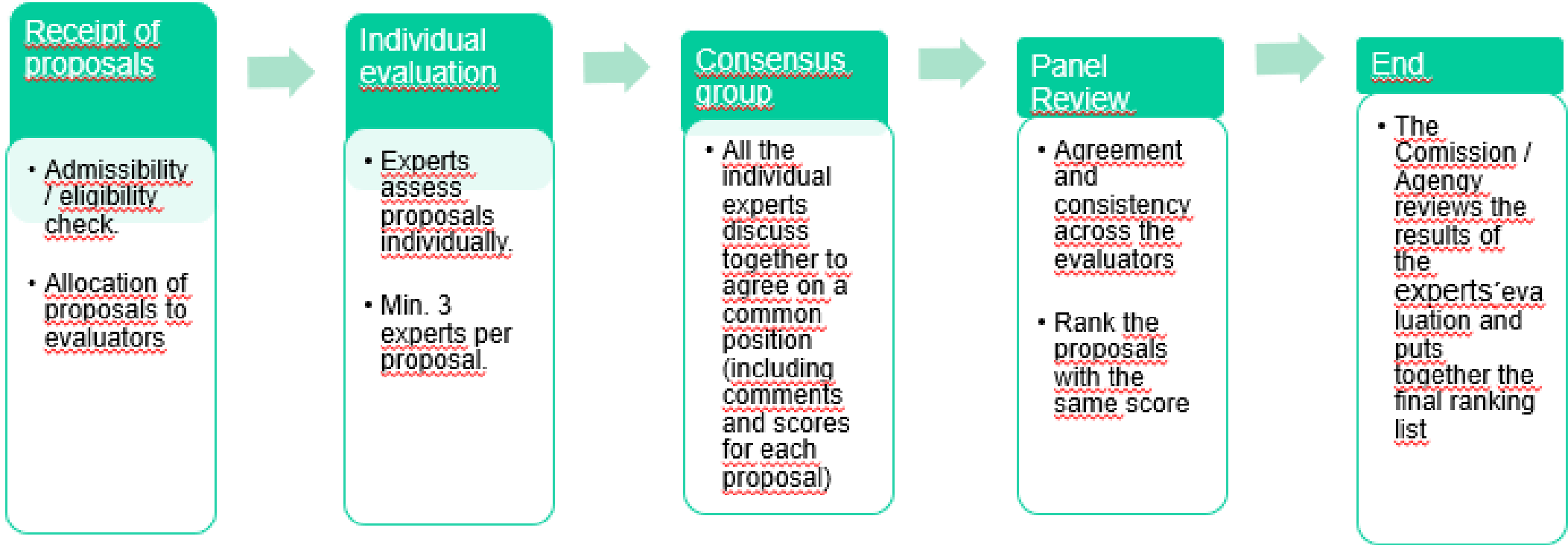
Deadline(s): 28 Nov 2023

HORIZON-MSCA-2023-DN-01-01	TMA Doctoral Networks	434.80
HORIZON-MSCA-2023-DN-01-01	TMA Doctoral Networks - Industrial Doctorates	
HORIZON-MSCA-2023-DN-01-01	TMA Doctoral Networks - Joint Doctorates	
Overall budget	indicative	434.80



- **Objetivo:** Contratar y formar, a través de una red internacional de entidades públicas y privadas, una nueva generación de investigadores/as.
- **Destinatarios:** Investigadores / PIs

1. Doctoral Candidates (DN) Evaluation



1. MSCA – Doctoral Networks (DN) Award Criteria

EXCELLENCE	IMPACT	QUALITY AND EFFICIENCY OF THE IMPLEMENTATION
Quality and pertinence of the project's research and innovation objectives	Contribution to structuring doctoral training at European level and strengthening European innovation capacity	Quality and effectiveness of the work plan, assessment of risks, and appropriateness of the effort assigned to work packages
Soundness of the proposed methodology	Credibility of the measures to enhance the career perspectives of researchers and contribution to their skills development	Quality, capacity and role of each participant, including hosting arrangements and extent to which the consortium as a whole brings together the necessary expertise
Quality and credibility of the training programme	Suitability and quality of the measures to maximise expected outcomes and impacts , as set out in the dissemination and exploitation plan, including communication activities	
Quality of the supervision	The magnitude and importance of the project's contribution to the expected scientific, societal and economic impacts	
50%	30%	

1. MSCA – Doctoral Networks (DN) Tips



- ✓ Explain the concepts, models and assumptions emerging from the State of the Art (SoA).
- ✓ Which techniques, methods, instruments will be used to achieve your scientific objectives: how is your approach innovative / different from others?
- ✓ Explain multi-/interdisciplinary aspects: integration of data, techniques, tools, perspectives, concepts or theories from two or more scientific disciplines.
- ✓ Identify any challenges: these will later be presented under risk assessment in section 3
- ✓ Be visual: use diagrams...organise the methodology description by Work Packages if wanted

2. MSCA – Postdoctoral Fellowships (PF)

Topics	Type of Action		Budgets (EUR million)
			2023
Opening: 12 Apr 2023 Deadline(s): 13 Sep 2023			
HORIZON-MSCA-2023-PF-01-01	TMA Fellowships	Postdoctoral - European	221.40
HORIZON-MSCA-2023-PF-01-01	TMA Fellowships	Postdoctoral - Global	39.07



- **Objetivo:** Apoyar las carreras de los investigadores y fomentar la excelencia en la investigación.
- **Destinatarios:** Investigadores que poseen un doctorado y desean realizar sus actividades de investigación en el extranjero, adquirir nuevas habilidades y desarrollar sus carreras

2. MSCA – Postdoctoral Fellowships (PF)

Main objectives:

- Foster excellence through implementation of research project
- Enhance the creative and innovation potential of researchers holding a PhD (training on transferable skills & career development)
- Focus on I3 (international, inter- sectoral, interdisciplinary) mobility
- Improve employability and career prospects within academia and beyond
- Bridges and exposure to the non- academic sector
- Career development of researchers

WHO?

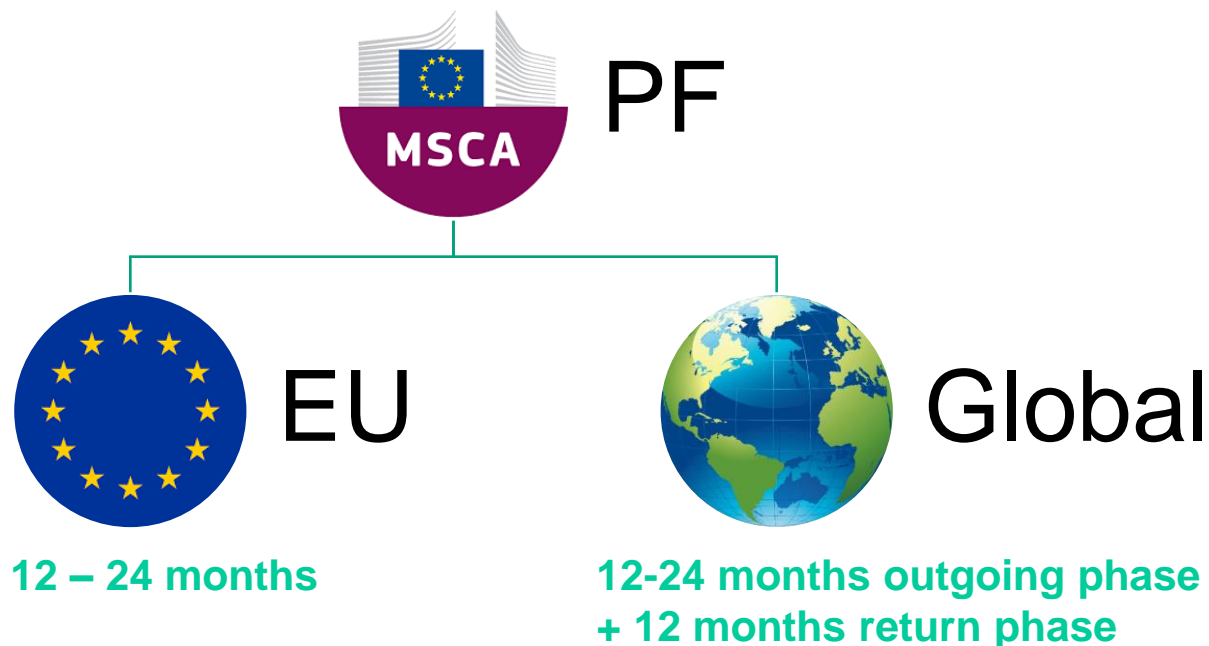
An individual postdoctoral researcher and a host organization

HOW?

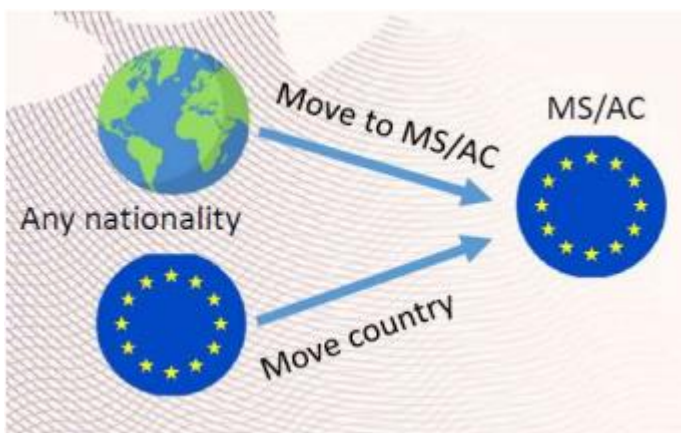
An excellent research deployed to the scientific proposal

2. MSCA – Postdoctoral Fellowships (PF)

- Open to all nationalities
- Mobility rule applies
- For EU nationals or long-term residents who wish to reintegrate, time outside of EU will not count towards scientific age
- Possibility to carry out secondments worldwide
- Possibility to have a placement at the end of the fellowship (+ 6 months)

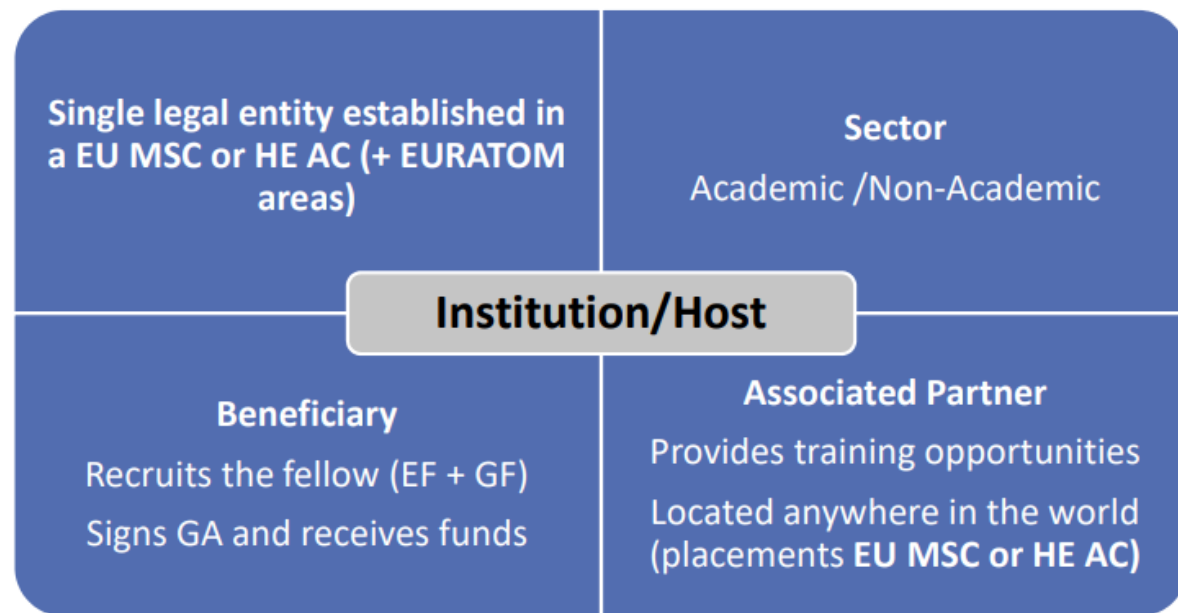


- Open to EU/AC nationals or long-term residents
- Mobility rule applies in Third Country
- Possibility to carry out secondments in the outgoing phase
- Possibility to have a placement at the end of the fellowship (+ 6 months)



2. MSCA – Postdoctoral Fellowships (PF)

Who can apply?



2. MSCA – Postdoctoral Fellowships (PF) – Eligibility conditions

Nationality of researcher

- ❑ European Fellowships: any nationality
- ❑ Global Fellowships: nationals or long-term residents of MS or HE AC

The researchers must also:

- ✓ Be in possession of PhD at the call deadline
- ✓ Have up to 8 years research experience maximum after PhD (with exceptions = career breaks, work outside research, research outside Europe for reintegrating researchers)
- ✓ Not have resided /carried out their main activity in the country of the beneficiary (for European Fellowships) or TC associated partner only (for Global Fellowships) for more than 12 months in the 36 months before call deadline (mobility rule)
- ✓ An individual researcher can only submit one proposal

The European Research Executive Agency (REA) makes the final decision on whether the application meets the eligibility conditions

2. MSCA – Postdoctoral Fellowships (PF) – Award criteria

EXCELLENCE	IMPACT	QUALITY AND EFFICIENCY OF THE IMPLEMENTATION
Quality and pertinence of the project’s research and innovation objectives (and the extent to which they are ambitious, and go beyond the state of the art)	Credibility of the measures to enhance the career perspectives and employability of the researcher and contribution to his/her skills development	Quality and effectiveness of the work plan , assessment of risks and appropriateness of the effort assigned to work packages
Soundness of the proposed methodology (including interdisciplinary approaches, consideration of the gender dimension and other diversity aspects if relevant for the research project, and the quality of open science practices)	Suitability and quality of the measures to maximise expected outcomes and impacts , as set out in the dissemination and exploitation plan, including communication activities	Quality and capacity of the host institutions and participating organisations , including hosting arrangements
Quality of the supervision, training and of the two-way transfer of knowledge between the researcher and the host	The magnitude and importance of the project’s contribution to the expected scientific, societal and economic impacts	
Quality and appropriateness of the researcher’s professional experience, competences and skills		
50%	30%	20%

2. MSCA – Postdoctoral Fellowships (PF) – Evaluation

- 9,000-10,000 proposals received per year
-
- MSCA-PF success rate: $\approx 14\%$
- 4,500 experts from around the world, working remotely 8 Scientific Panels (LIF, PHY, MAT, ENG, CHE, ENV, SOC, ECO)
- The **Seal of Excellence** is awarded to applications achieving a score of 85% or above not retained for funding

1. MSCA – Postdoctoral Fellowships (PF) Tips



- ✓ A PF proposal is not a research proposal as such, but a proposal for training in research
- ✓ Don't be over-ambitious –it is a common flaw that the work plan is not realistic
- ✓ • Be precise – less is sometimes more; structure the proposal well
- ✓ Try to have the best match researcher/supervisor/Host Institution
- ✓ CV don't have to be perfect, but the training should mend any shortcomings
- ✓ The employability after the fellowship is key
- ✓ The reviewers may not be specialists in the field
- ✓ Follow the template –the evaluators need to find all key points
- ✓ Use visuals to provide global information at a glance
- ✓ Get familiar with the Funding and Tenders' Portal

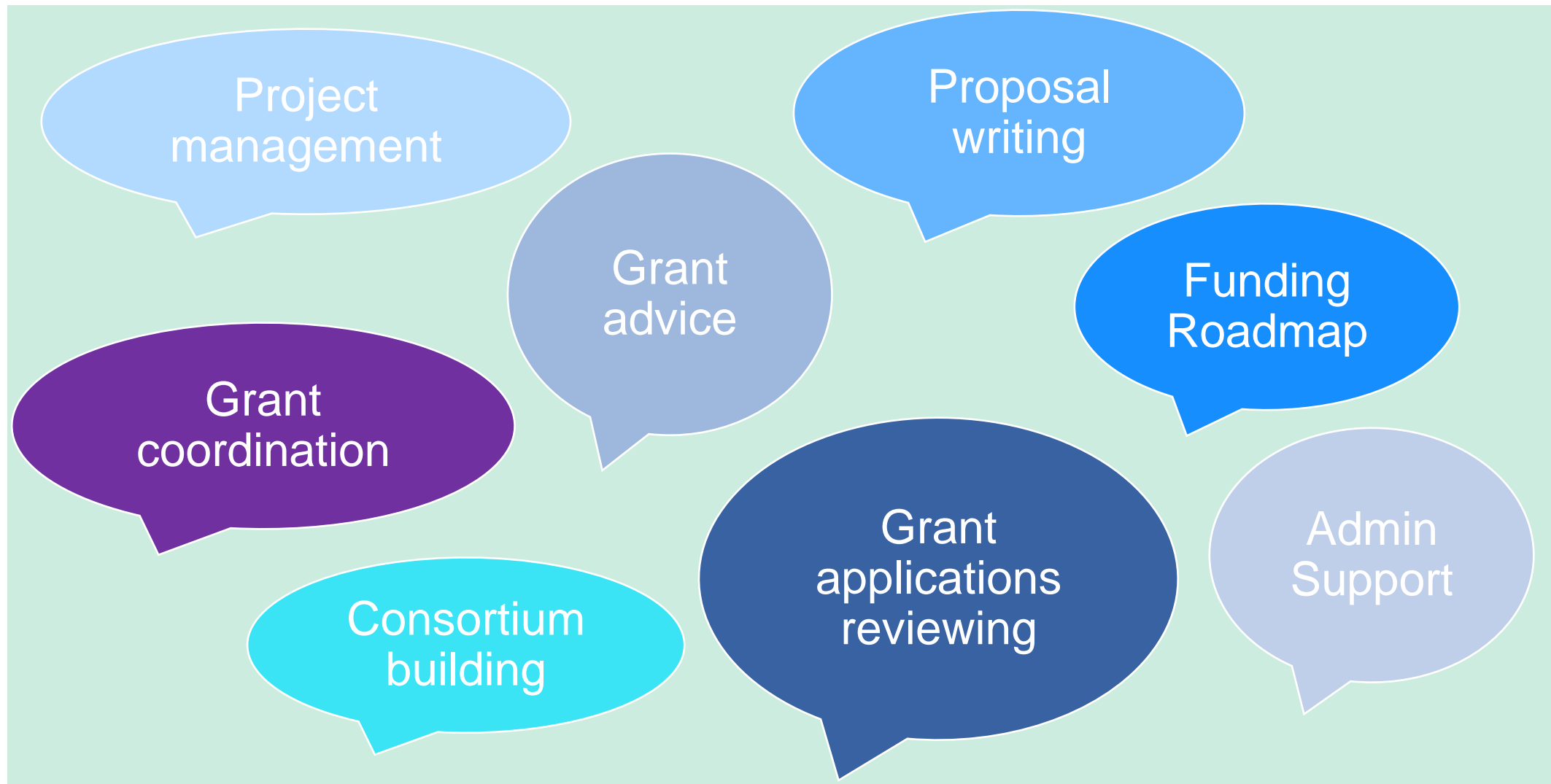


Your R&D is our DNA

Servicios EF

Asesoramiento estratégico
desde las primeras etapas
en proyectos I+D+i

¿Qué ofrece una consultora como Euro Funding?



Dudas y cuestiones



¡Muchas gracias!

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