

# Marie Skłodowska-Curie Actions

## European Research Council

Oportunidades de Financiación en el Ámbito de la Biomedicina y la Salud  
Madrid, 14 de diciembre de 2023



GOBIERNO  
DE ESPAÑA

MINISTERIO  
DE CIENCIA  
E INNOVACIÓN




oficina  
europea

# MSCA: un programa global de investigación y formación

16 billones € para 2021-2027

6,6 billones € para 2021-2027





# Acciones Marie Skłodowska- Curie

# MSCA: un programa global de investigación y formación



Movilidad  
intersectorial e  
interdisciplinar



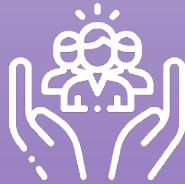
Marcada  
dimensión  
internacional



Excelencia  
Enfoque abierto



Formación  
Competencias  
transferibles  
Desarrollo  
profesional



Impacto en el  
personal  
investigador

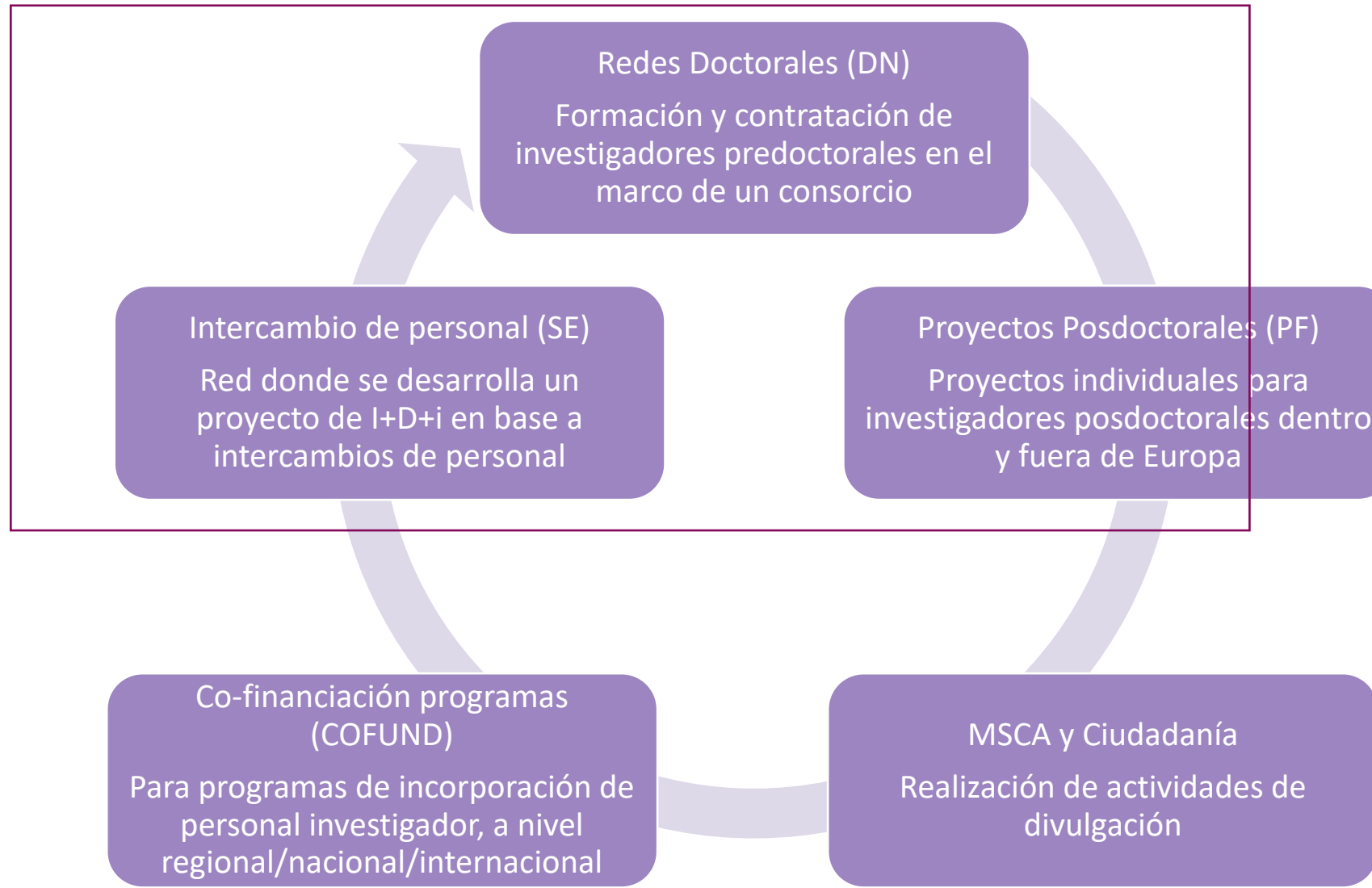


Impacto en las  
instituciones



Impacto en  
I+D+i

# MSCA: Convocatorias principales



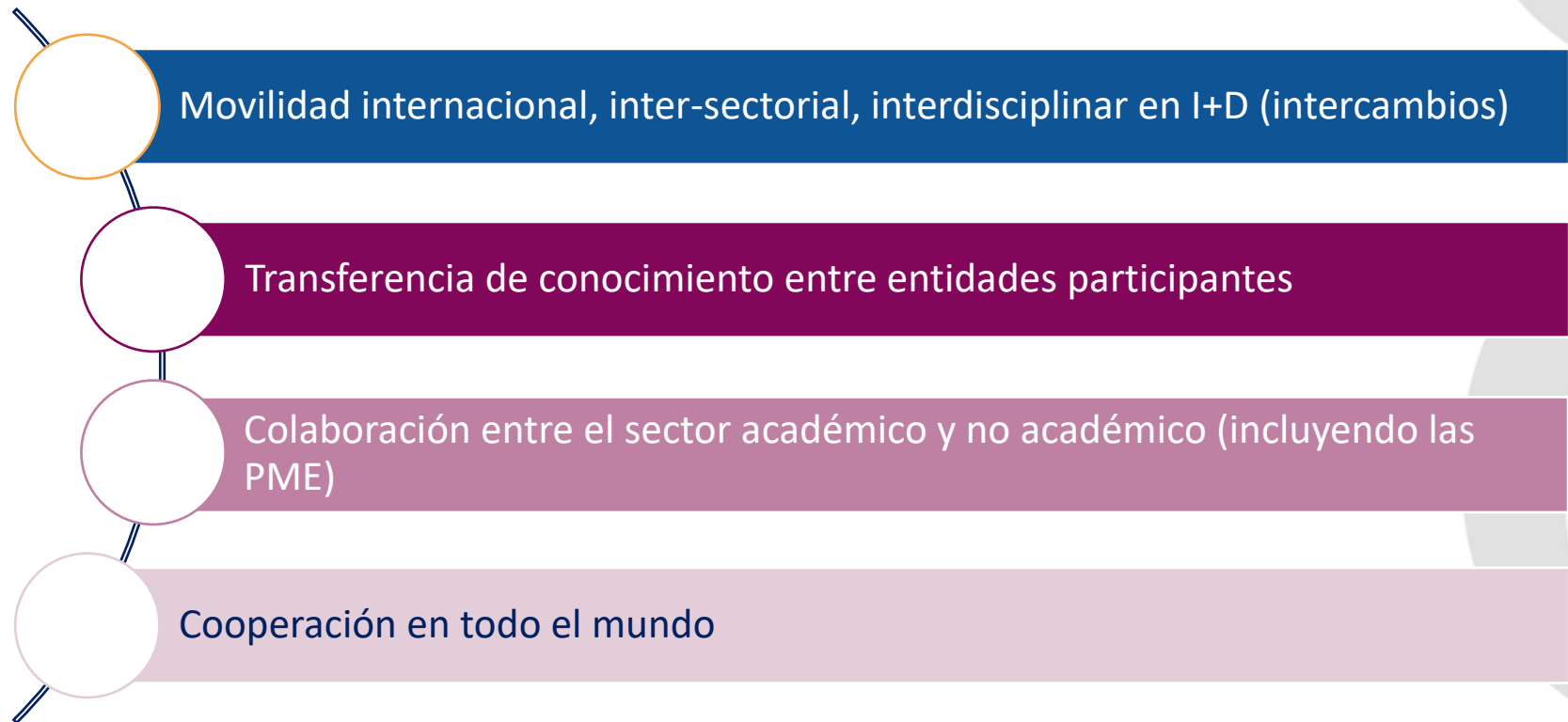
- Proyectos colaborativos, en red (DN – SE)
- Proyectos individuales, mono-beneficiarios (PF – COFUND)
- Diferentes fases de la carrera investigadora

# MSCA Redes Doctorales - DN

- Redes de formación de investigadores predoctorales en áreas científicas con necesidades identificadas (enfoque abierto)
- Exposición a otros sectores, colaboración con otras disciplinas
- Formación a nivel científico-técnico y también en competencias de innovación que faciliten una empleabilidad a largo plazo: foco en desarrollo de carrera
- Herramienta para estructurar la formación de excelencia a nivel doctoral en Europa y fuera de Europa
- Lectura de tesis a la finalización del proyecto por parte de los investigadores predoctorales contratados, desarrollo de carrera individual

# MSCA Intercambio de personal - SE

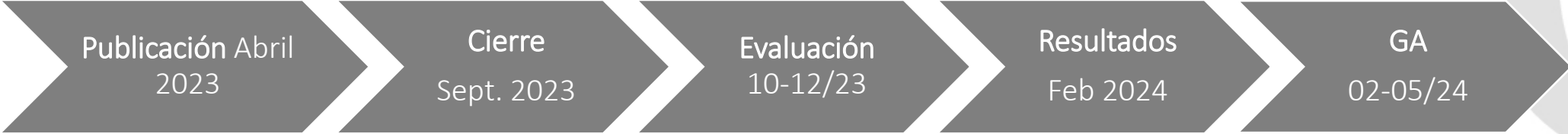
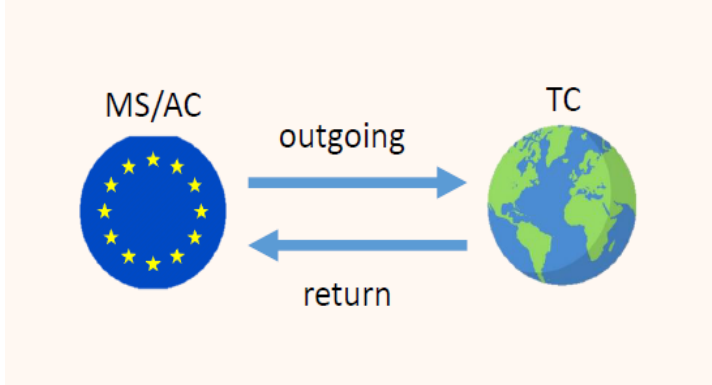
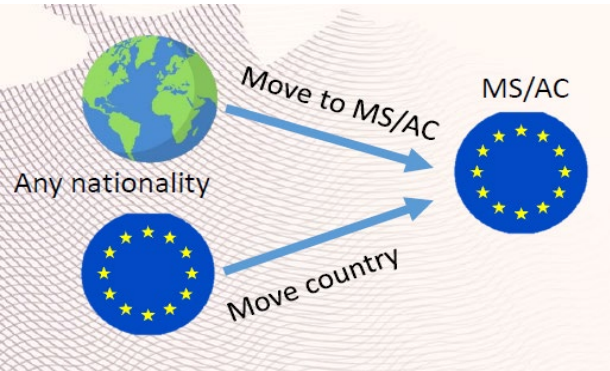
- Proyecto de I+D colaborativo ejecutado a través de estancias
- Instrumento clave para mejorar redes existentes y crear nuevas colaboraciones



# Convocatoria MSCA PF : ¿Qué ofrece?

Proyectos Posdoctorales Europeos  
12 – 24 meses

Proyectos Posdoctorales Globales  
12-24 meses fase de salida +  
12 meses fase de retorno



Potenciales fechas de incorporación: Marzo 2024 – Sept. 2025



# MSCA: proyectos excelentes

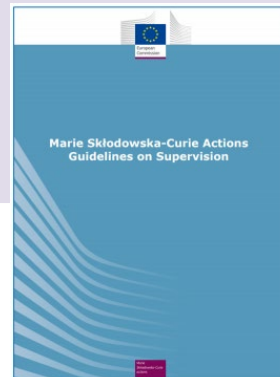
## Aspectos relacionados con la supervisión y formación

### Supervisión

- Experiencia y datos relevantes personal de supervisión
- Papel que juegan en el Plan de Desarrollo de Carrera investigadora

### Formación

- En aspectos científicos y transversales
- Estancias: intersectorialidad, interdisciplinaridad



### Transferencia de Conocimiento Intercambios personal

- ¿Qué aporta el personal investigador a la entidad? (y viceversa?)
- ¿Cómo se transfiere el conocimiento?
- ¿Cómo se enriquecen las relaciones a medio/largo plazo a nivel institucional?

[Guía para la supervisión](#)

# MSCA: proyectos con impacto



## Perspectivas desarrollo profesional

- Ejercicio de prospectiva a medio/largo plazo (diferentes sectores)
- Ganancia en colaboraciones, redes, gestión de proyectos, solicitudes de fondos, capacidad de liderazgo ..



## Maximizar resultados y efectos

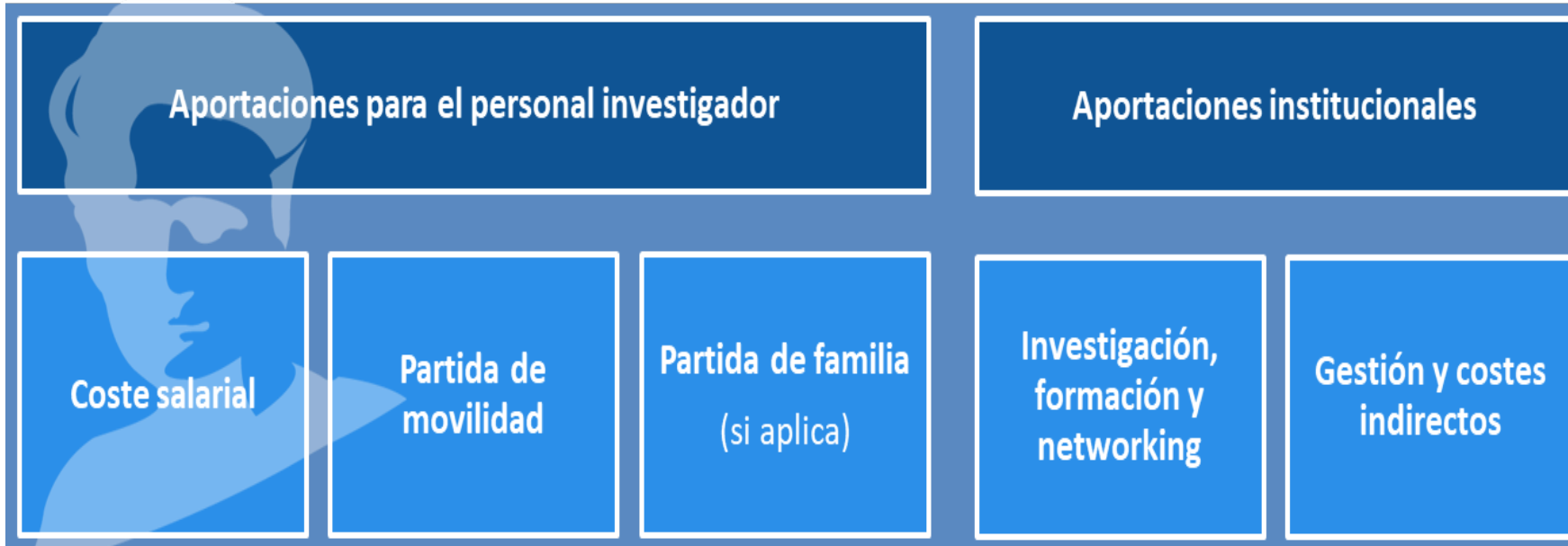
- Trasmisión de resultados a usuarios finales, a la sociedad, a la comunidad investigadora
- Difusión y explotación resultados (si aplica)
- Adecuación canales a público objetivo actividades



## Impactos esperados

- Impacto en el Espacio Europeo de Investigación (EEI)
- Alusión a políticas públicas en el ámbito aplicable
- Indicadores de medición

# MSCA ¿Cómo se financian los proyectos?



- Financiación 100% costes unitarios
- La entidad beneficiaria recibe los fondos, realiza contrato al personal investigador/envío de estancias y gestiona la partida de gestión

# ¿Cómo se evalúan los proyectos MSCA?



**Enfoque abierto**

# Acciones MSCA: convocatorias 2023

Call ID	Call Opens	Call Deadline	Budget
HORIZON-TMA-MSCA-PF-2023 (Postdoctoral Fellowships)	12-04-2023	13-09-2023	260.47
HORIZON-TMA-MSCA-DN-2023 (Doctoral Networks)	30-05-2023	28-11-2023	434.80
HORIZON-TMA-MSCA-CITIZENS-2023 (European Researchers' Night)	20-06-2023	25-10-2023	15.42
HORIZON-TMA-MSCA-SE-2023 (Staff Exchange)	05-10-2023	<b>28-02-2024</b>	78.50
HORIZON-TMA-MSCA-COFUND-2023 (Co-funding of programmes)	10-10-2023	<b>08-02-2024</b>	96.57

# Apoyo NCPs MSCA Horizonte Europa



**Cristina Gómez**  
Representante y NCP

FECYT



**Jesús Rojo**  
NCP

Fundación Madri+d



**Xavier Eekhout**  
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**Leticia Riaza (FECYT)**





European  
Research  
Council

# ¿Qué es el ERC?



Life Sciences



Physical Sciences and Engineering



Social Sciences and Humanities

- Abierto a investigadores e investigadoras de todo el mundo
- **Proyectos individuales, innovadores, ambiciosos que no sean incrementales**
- Sin prioridades temáticas, en cualquier campo de Investigación con naturaleza multi o interdisciplinar
- **Investigación de frontera, “alto riesgo/alto beneficio”** en cualquier campo científico
- Único criterio de evaluación: **excelencia científica** de la propuesta de investigación y del investigador principal
- Evaluación por científicos de alto prestigio internacional
- Ofrece al personal investigador: **Independencia, reconocimiento y visibilidad**



# Funding Scheme



## Starting Grant

- Grants up to **1.5€ million** for 5 years
- For promising early-career researchers with **2 to 7 years** experience **after PhD**
- To develop their career and establish their own team
- PI Commitment: >50%




## Consolidator Grant

- Grants up to **2€ million** for 5 years
- For excellent researchers with **7 to 12 years** experience **after PhD**
- To consolidate their research team or programme
- PI Commitment: >40%



## Advanced Grant

- Grants up to **2.5€ million** for 5 years
- **Lump Sum Funding** 
- For **established research leaders** with a recognised 10 years track record of research achievements
- To develop a new and outstanding project
- PI Commitment: >30%

# Funding Scheme



## *Synergy Grant*

- Grants up to **10€ million** for 6 years
- To address ambitious research questions that can only be answered by the coordinated work of a **small group of 2-4 principal Investigators**
- PI Commitment: >30%



## *Proof of Concept*

- Lump Sum Grant of 150.000€ for 18 months
- For existing ERC grant holders to bring their research ideas closer to market/society
- Elegible para la convocatoria EIC Transition

# ERC extensions to the eligibility window

STARTING	CONSOLIDATOR	ADVANCED
<ul style="list-style-type: none"><li>• ERC-Starting Grant 2024.</li><li>• Successful defence of PhD between 1 January 2017 and 31 December 2021 (inclusive)</li></ul>	<p>ERC-Consolidator Grant 2024.</p> <p>Successful defence of PhD between 1 January 2012 and 31 December 2016 (inclusive)</p>	<p>ERC-Advanced Grant 2023</p> <p>ERC-Advanced Grant 2024</p> <p>no specific criteria</p>

- **Maternity:** 18 months extension for each child born before or after the PhD award.
- **Paternity:** elapsed time of paternity leave taken until the call deadline for each child born before or after the PhD award.
- **Long-term illness** or **national service:** amount of leave taken by the Principal Investigator until the call deadline for each incident which occurred after the PhD award date.
- **Clinical training:** amount of clinical training received by the PI after the award of the first eligible degree and until the call deadline, up to a maximum of 4 years.
- **seeking asylum:** inability to work before the call deadline and after PhD.
- **being a victim of a natural disaster:** inability to work before the call deadline and after PhD.

# Clinical training

For clinical training, an extension can be granted corresponding to the **documented time of clinical training received by the PI after the first eligible degree up to a maximum of 4 years** (counting up until the call deadline). For applicants whose first eligible degree is a **medical degree**, clinical training can be accepted from the date of the completion of their medical degree. No extension will be accepted for serving as a house doctor or hospital doctor unless it is part of a clinical training programme. In case of **part-time clinical training**, the exact total training time will be accepted on a pro-rata basis to extend the eligibility window of the applicant.

**Supporting documents:** an official document signed by the employer (usually a hospital) certifying start and end dates of the individual training period(s). Any document should mention the type of training. If the training was conducted part-time, this should be stated. It is acceptable if the training happened over several periods and for different clinical specialties.



# Call Calendar – Work Programme 2024

	<i>Starting Grant</i>	<i>Consolidator Grant</i>	<i>Advanced Grant</i>	<i>Synergy Grant</i>	<i>Proof of Concept Grant</i>
<i>Call opens</i>	11/07/2023	12/09/2023	29/05/2024	12/07/2023	16/11/2023
<i>Call deadline (cut-off date)</i>	<del>24/10/2023</del> 07/11/2023	12/12/2023	29/08/2024	<del>08/11/2023</del> 15/11/2023	14/03/2024 17/09/2024
<i>Budget (m EUR)</i>	601	584	578	400	30

# ERC Proposal (StG, CoG and AdG)



*two evaluation steps, one submission*

Form A



## Part B1 – documento pdf

- Cover Page and summary
- Extended Synopsis (5pags)
- Curriculum vitae + Track-record (4pags)

## Part B2 – documento pdf (14pags)

- SoA & objectives
- Methodology



Annexes

1st step



2nd step *Entrevista online (excepto SyG)*



# ERC Panel Structure 2024

## Physical Sciences & Engineering

- PE1 Mathematics
- PE2 Fundamental Constituents of Matter
- PE3 Condensed Matter Physics
- PE4 Physical & Analytical Chemical Sciences
- PE5 Synthetic Chemistry and Materials
- PE6 Computer Science & Informatics
- PE7 Systems & Communication Engineering
- PE8 Products & Process Engineering
- PE9 Universe Sciences
- PE10 Earth System Science
- PE11 Materials Engineering



**Open to any field  
of research**

## Life Sciences

- LS1 Molecules of Life: Biological Mechanisms, Structures and Functions
- LS2 Integrative Biology: from Genes and Genomes to Systems
- LS3 Cell Biology, Development, Stem Cells and Regeneration
- LS4 Physiology in Health, Disease and Ageing
- LS5 Neuroscience and Disorders of the Nervous System
- LS6 Immunity, Infection and Immunotherapy
- LS7 Prevention, Diagnosis and Treatment of Human Diseases
- LS8 Environmental Biology, Ecology and Evolution
- LS9 Biotechnology and Biosystems Engineering

## Social Sciences and Humanities

- SH1 Individuals, Markets and Organisations
- SH2 Institutions, Governance and Legal Systems
- SH3 The Social World and its Interactions
- SH4 The Human Mind and Its Complexity
- SH5 Text and Concepts
- SH6 The Study of the Human Past
- SH7 Human Mobility, Environment, and Space
- SH8 Studies of Cultures and Arts

# Evaluation: Panel Structure

## Life Sciences

- LS1 Molecules of Life: Biological Mechanisms, Structures and Functions
- LS2 Integrative Biology: From Genes and Genomes to Systems
- LS3 Cell Biology, Development, Stem Cells and Regeneration
- LS4 Physiology in Health, Disease and Ageing
- LS5 Neuroscience and Disorders of the Nervous System
- LS6 Immunity, Infection and Immunotherapy
- LS7 Prevention, Diagnosis and Treatment of Human Diseases
- LS8 Environmental Biology, Ecology and Evolution
- LS9 Biotechnology and Biosystems Engineering

## Subfields/descriptors per panel

### LS6 Immunity, Infection and Immunotherapy

*The immune system, related disorders and their mechanisms, biology of infectious agents and infection, biological basis of prevention and treatment of infectious diseases, innovative immunological tools and approaches, including therapies*

LS6\_1 Innate immunity

LS6\_2 Adaptive immunity

LS6\_3 Regulation of the immune response

LS6\_4 Immune-related diseases

LS6\_5 Biology of pathogens (e.g. bacteria, viruses, parasites, fungi)

LS6\_6 Infectious diseases

LS6\_7 Mechanisms of infection

LS6\_8 Biological basis of prevention and treatment of infection

LS6\_9 Antimicrobials, antimicrobial resistance

LS6\_10 Vaccine development

LS6\_11 Innovative immunological tools and approaches, including therapies



# Evaluation criteria ERC 2024 StG, CoG & AdG

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



## Excellence is the sole evaluation criteria

applied to the Research Project + PI

### Excellence of the Research Project

- Ground-breaking nature
- Ambition
- Feasibility

### Excellence of the Principal Investigator

- Intellectual capacity
- Creativity

# Evaluation criteria ERC 2024

## Research Project

### 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)?

### Scientific Approach

- To what extent is the outlined scientific approach **feasible** bearing in mind the ground-breaking nature and ambition of the proposed
- To what extent are the proposed research **methodology and working arrangements** appropriate to achieve the goals of the project ?
- To what extent are the proposed **timescales, resources, and PI's commitment** adequate and properly justified?

# Evaluation criteria ERC 2024

## Principal Investigator

- has the PI demonstrated the ability to **conduct ground-breaking research**?
- does the PI provide evidence of creative **and original thinking**?
- does the PI have the required scientific **expertise and capacity** to successfully execute the project?



# Delegación española del programa ERC

Representante  
Comité de Programa  
ERC



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**Leticia Riaza**  
FECYT, MCIN

Técnica soporte a  
servicios ERC



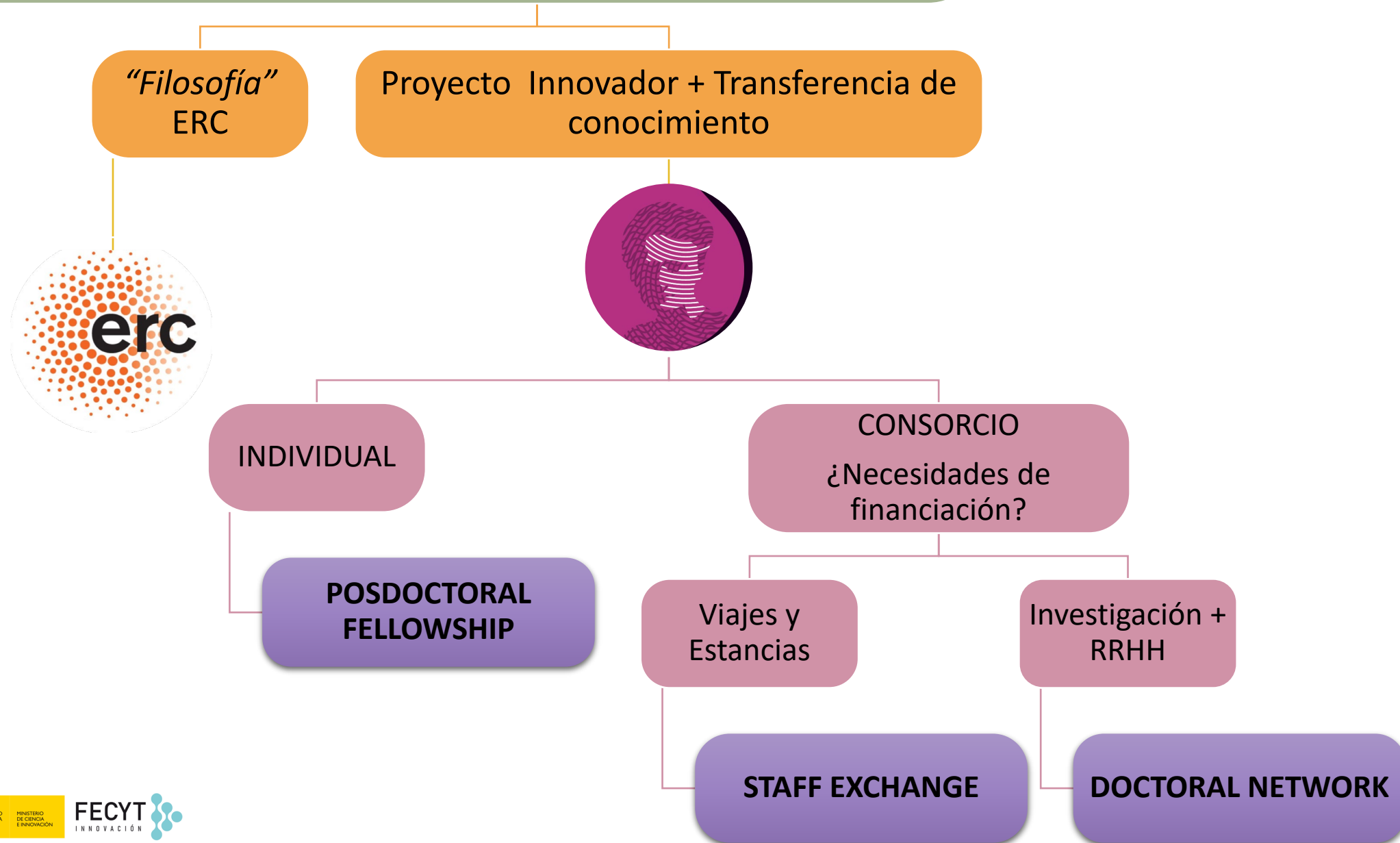
**Carmen Estévez**  
FECYT, MCIN





# Mensaje para casa

# IDEA DE PROYECTO



*Muchas gracias*



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DE ESPAÑA

MINISTERIO  
DE CIENCIA  
E INNOVACIÓN



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