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European Research Council: WP2014



OFICINA EUROPEA



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DE ESPAÑA

MINISTERIO
DE ECONOMÍA
Y COMPETITIVIDAD

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FUNDACIÓN ESPAÑOLA
PARA LA CIENCIA
Y LA TECNOLOGÍA

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www.eshorizonte2020.es

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I. ERC BASICS



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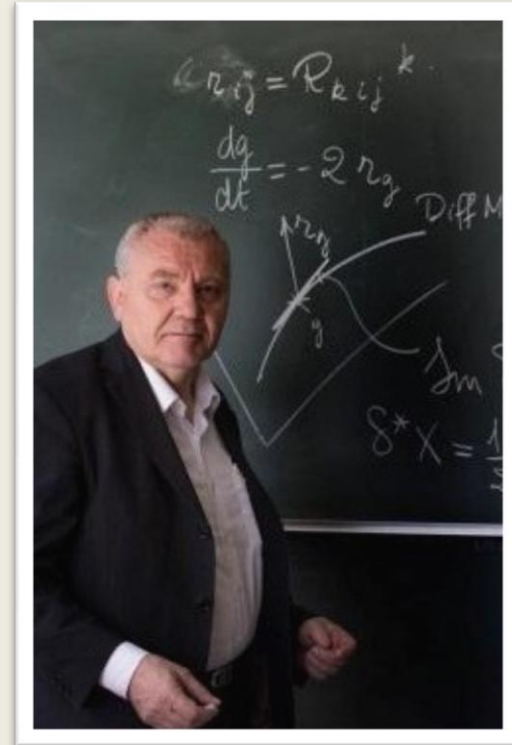
European Research Council



ScC

EC

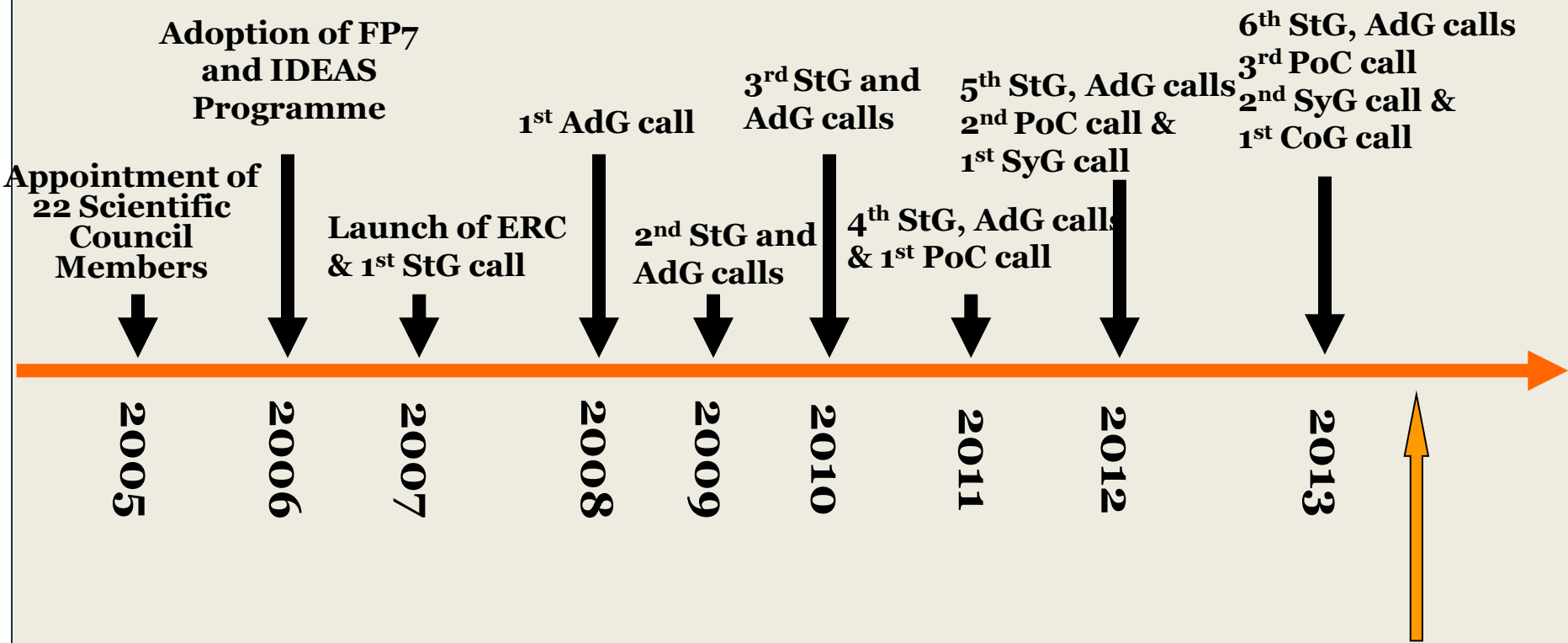
ERCEA



22 eminent scientists, covering all disciplines

New President: JP Bourguignon

ERC timeline



2005

2006

2007

2008

2009

2010

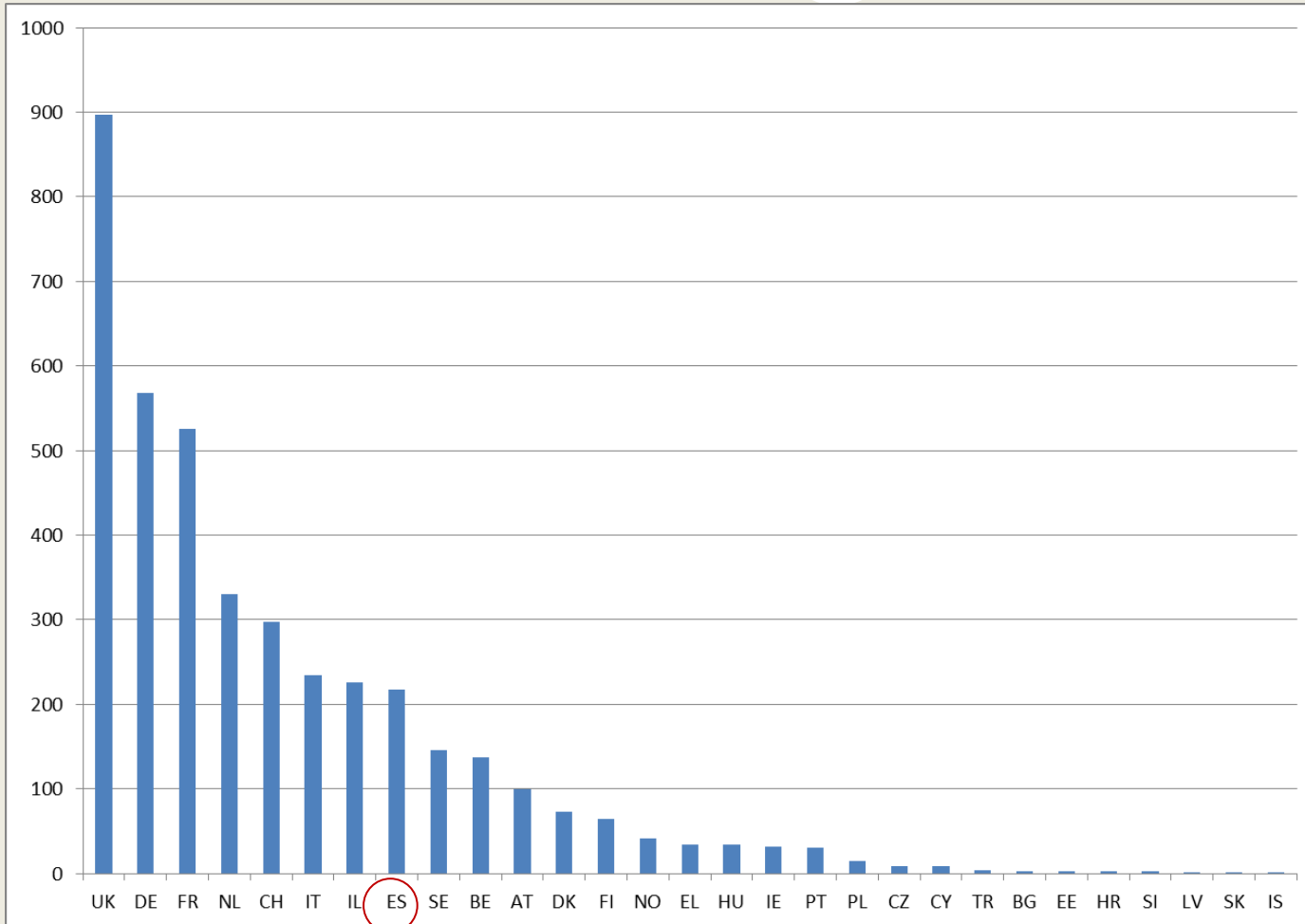
2011

2012

2013

H2020

[2007-2013] Grants per country



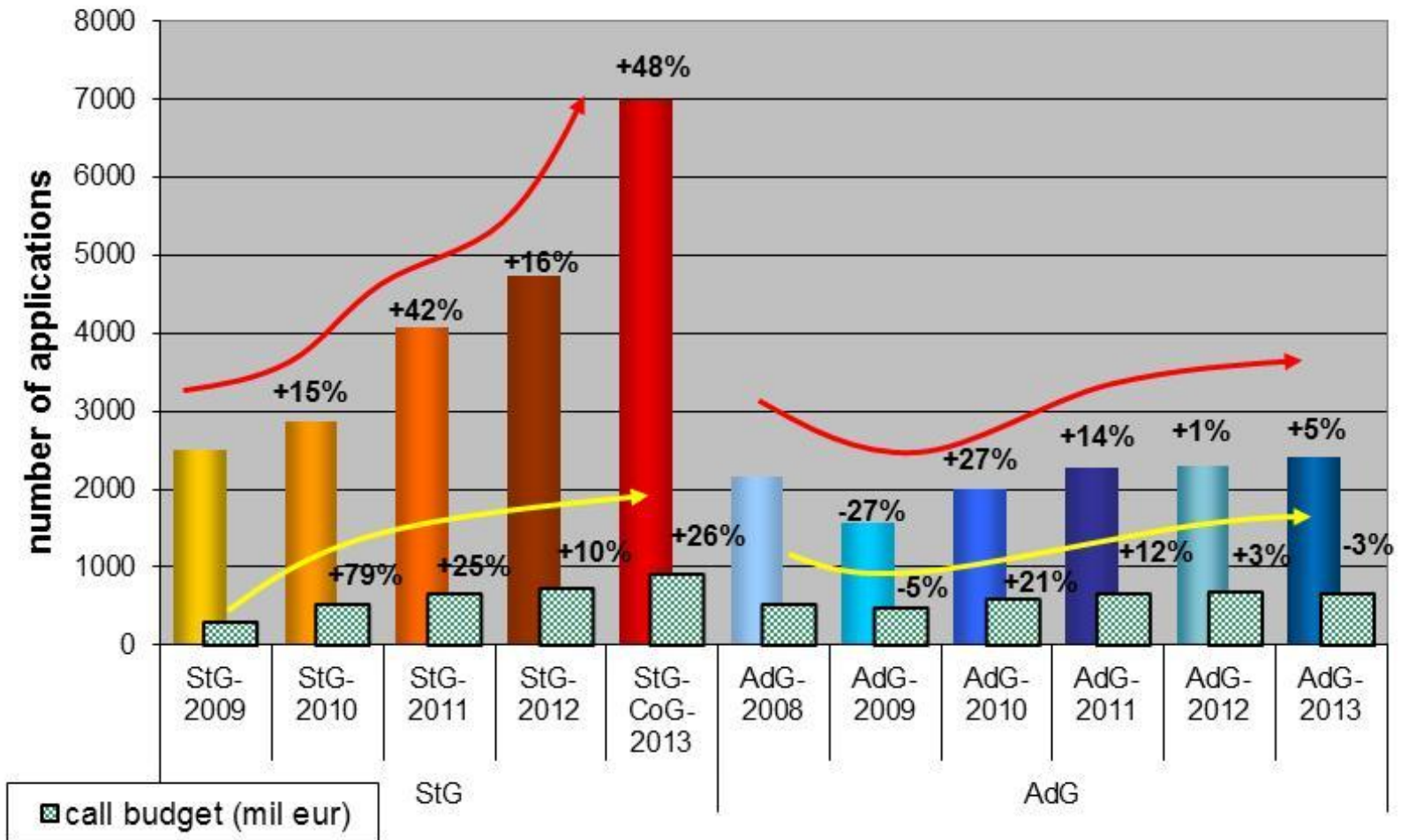
ERC Starting Grant
calls 2007-2013
ERC Advanced Grant
calls 2008-2013

ERC basics



- Highly recognised by the research community
- 4 000 top researchers funded (65% are at an early-career stage); 58 nationalities represented
- **Highly competitive** (average success rate 12%)
- Working in >500 different institutions in 29 countries
- 50% of grantees in 50 institutions : “Excellence attracts excellence”
- **Benchmarking** effect: impact on national programmes and agencies; national funding for best “runners-up”
- Efficient and fast grant management

Rising number of applications (1)



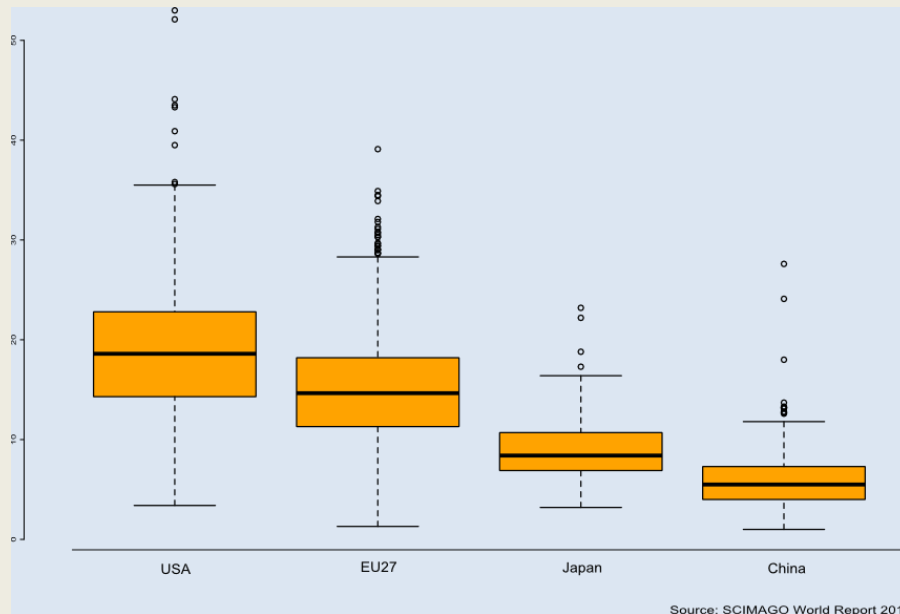
II. ERC and Horizon 2020



Motivation



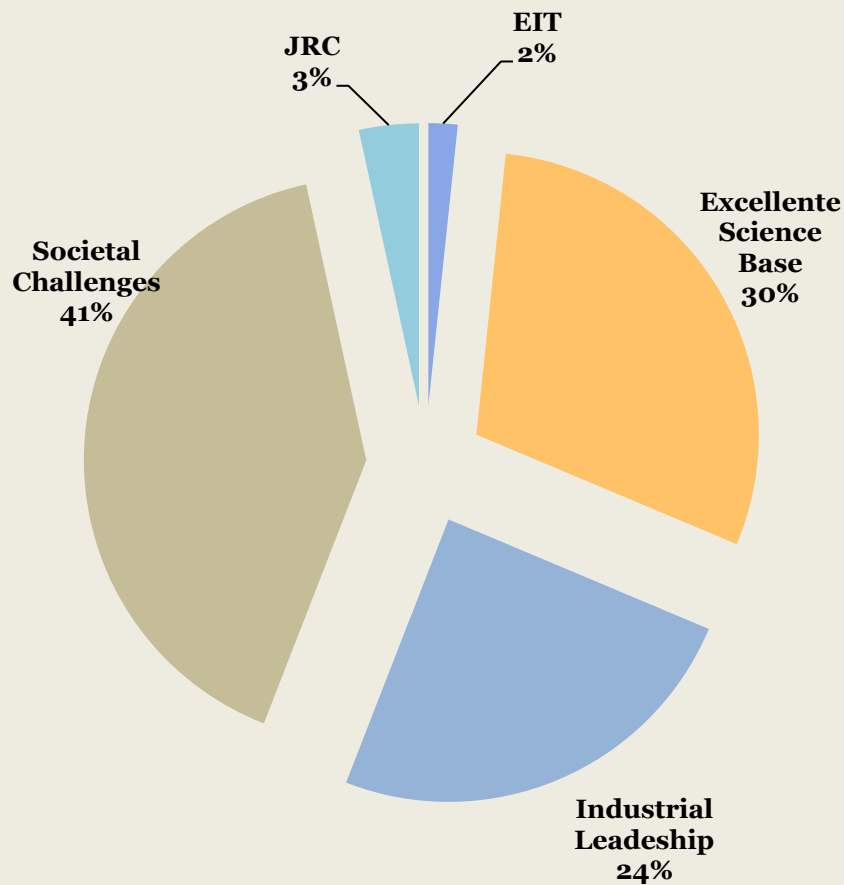
European Paradox?



European competition!

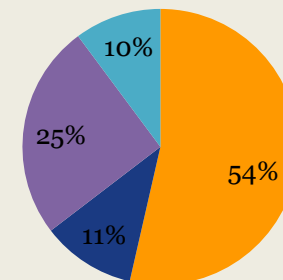


Budget: 30% of H2020



ERC	13.094,81 €
FET	2.695,99 €
MSCA	6.162,26 €
Infrastructures	2.488,01 €
TOTAL	24.441,07 €

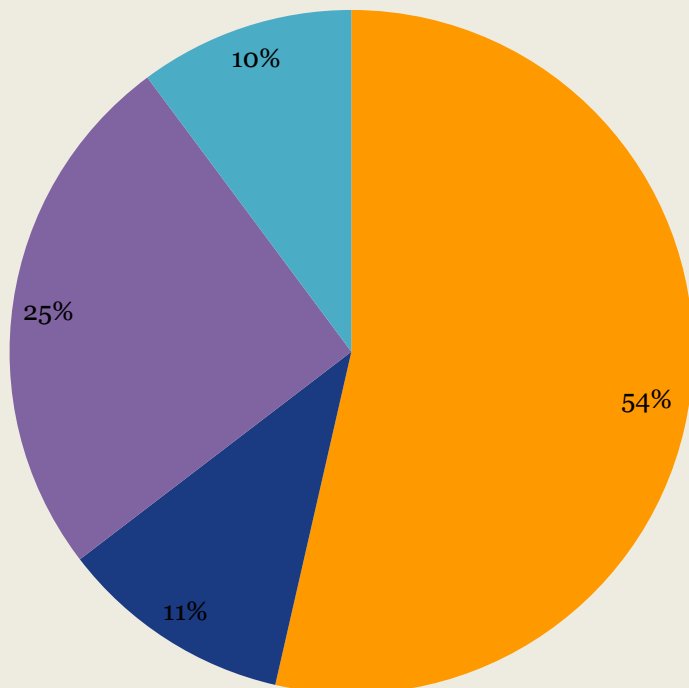
■ ERC ■ FET ■ MSCA ■ Infrastructures



Goals

Excellent Science

■ ERC ■ FET ■ MSCA ■ Infrastructures



European Research Council (ERC)

- *Frontier research by the best individual teams*

Future and Emerging Technologies (FET)

- *Collaborative research to open new fields of innovation*

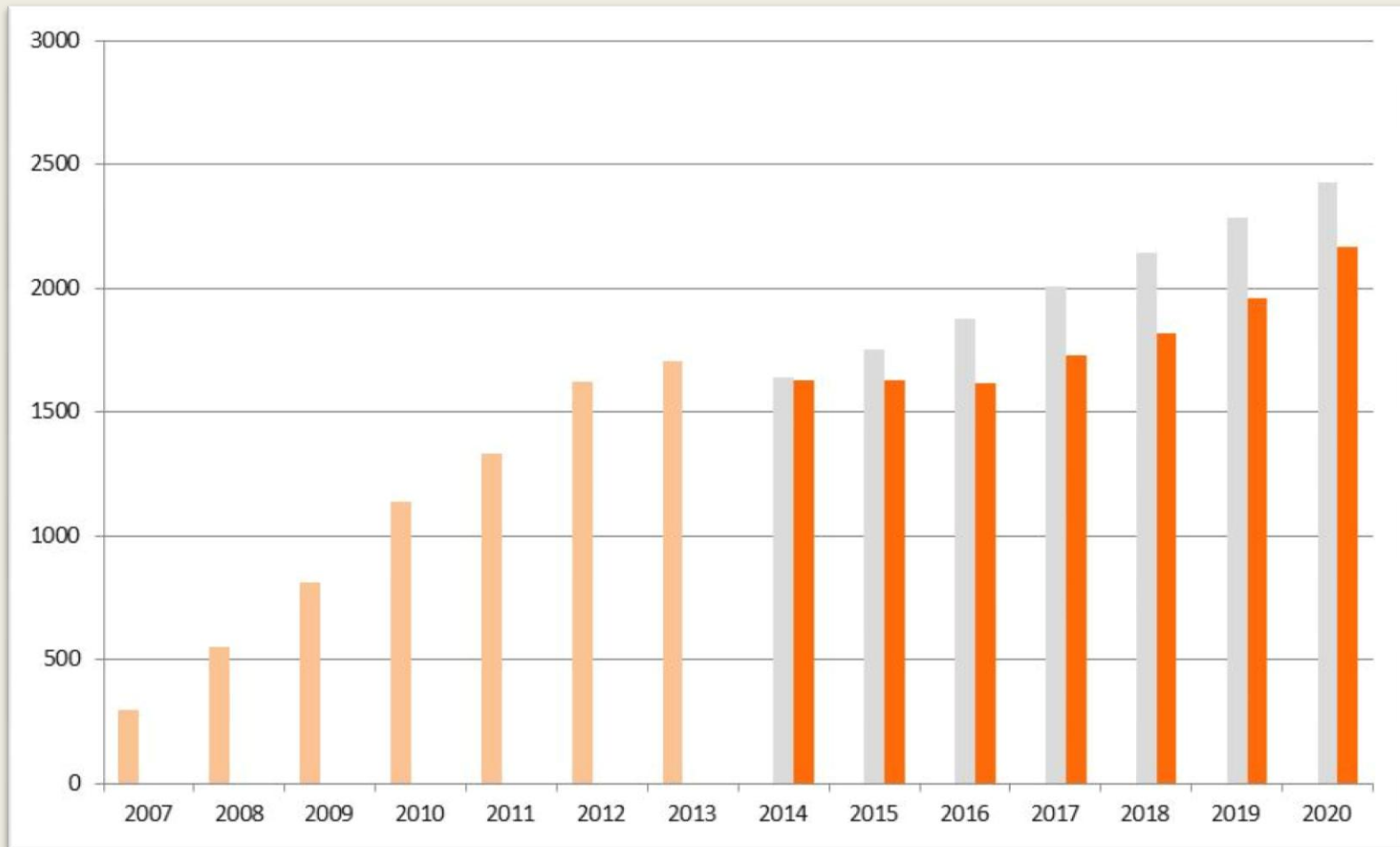
Marie S. Curie Actions (MSCA)

- *Opportunities for training and career development*

INFRASTRUCTURES

- *(including e-infrastructure)*
- *Ensuring access to world-class facilities*

Budget: 70% increase but lower than 2014 (2)



III. WP2014

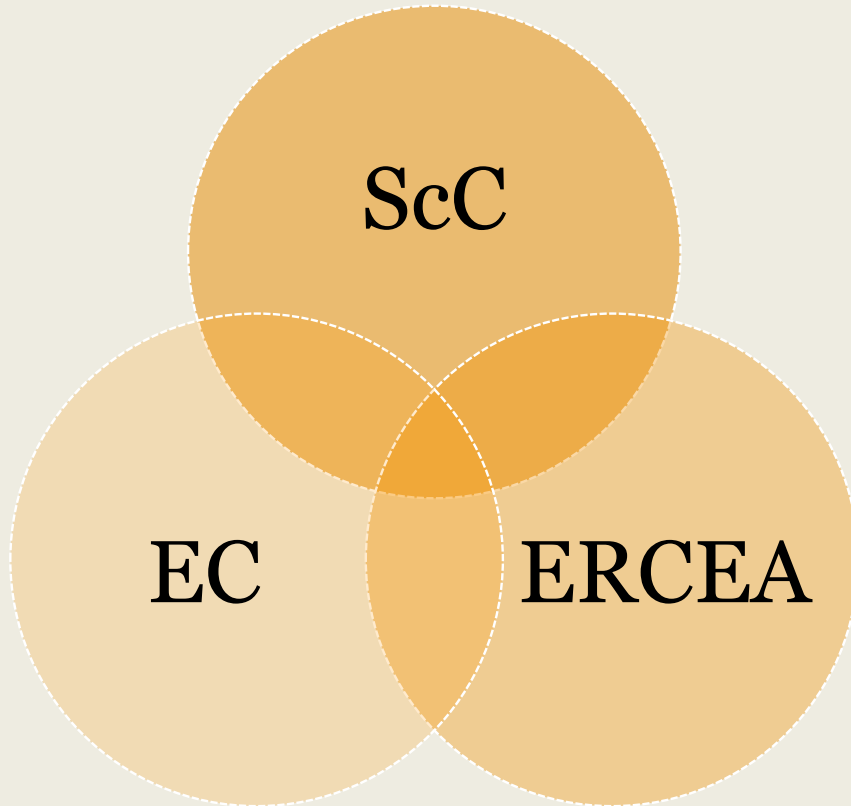


CONTINUITY



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European Research Council



- Scientific **excellence**: sole evaluation criteria (IP and project)
- **Bottom-up approach: All fields**
- **Individual projects (IP)**
- **Attractive funding** [**StG**: 1,5 M€] [**CoG**: 2,0M€] [**AdG**: 2,5 M€] 5 years
- **Portability of grants**
- **3rd countries incentives**

ERC Work Programme 2014: Main features



- Publication date of first calls: December 11, 2013
- Three ERC frontier research grants will be available under Work Programme 2014: Starting; Consolidator; and Advanced Grants
- ERC Principal Investigators will also continue to be able to apply for the Proof of Concept Grant, first introduced in 2011
- Overhead: 25%
- Indicative budget for 2015 to help the research community to plan applications
- Update of panel titles, subtitles and descriptors
- Extension of restrictions on applications will apply to the 2015 calls based on the outcome of the evaluation of the 2014 calls
- Open access is now mandatory
- New templates for CV (flexible)

Resubmission Restrictions (3)



- A Principal Investigator whose proposal is evaluated as **category C** in the Starting, Consolidator or Advanced Grant calls for proposals under Work Programme 2014 may not submit a proposal to the Starting, Consolidator or Advanced Grant calls for proposals made under Work Programme 2015 and 2016.
- A Principal Investigator whose proposal is finally evaluated as **category B** in the Starting, Consolidator or Advanced Grant calls for proposals under Work Programme 2014 may not submit a proposal to the Starting, Consolidator or Advanced Grant calls for proposals made under Work Programme 2015.
- A Principal Investigator whose proposal is finally evaluated as **category A** in the Starting, Consolidator or Advanced Grant calls for proposals under Work Programme 2014 but it is not funded for budgetary reasons may submit a proposal to the Starting, Consolidator or Advanced Grant calls for proposals made under Work Programme 2015.

Even Step 2 “B”!!!

Open access: common obligation for H2020



- The ERC supports the principle of open access to the published output of research, including peer-reviewed articles, monographs, data and data related products such as computer codes, as a fundamental part of its mission. The ERC considers that providing free online access can be the most effective way of ensuring that the fruits of the research it funds can be accessed, read and used as the basis for further research.
- **The terms and conditions laid down in the ERC Model Grant Agreement will address how **scientific publications must be made available through open access**.** The ERC also considers it essential that data and data-related products, such as computer codes, be deposited in the relevant databases as soon as possible, although this is not a formal requirement of the Grant Agreement.

Open access: ERC guidelines



- requests that an electronic copy of any research article, monograph or other research publication that is supported in whole, or in part, by ERC funding be deposited in a suitable repository immediately upon publication. **Open access should be provided as soon as possible and in any case no later than six months after the official publication date. For publications in the Social Sciences and Humanities domain a delay of up to twelve months is acceptable.**
- strongly encourages ERC funded researchers to use discipline-specific repositories for their publications (<http://europepmc.org>, <http://arxiv.org/>).
- reminds ERC funded researchers that open access fees are eligible costs that can be charged against ERC grants, provided they have been incurred during the duration of the project.
- encourages Host Institutions to cover open access fees of any research publications that are supported in whole, or in part, by ERC funding, which arise in the period up to 24 months after the end of the project.



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3 Types of grants + PoC



Starting Grants

starters
(2-7 years after PhD) up
to € 2.0 Mio
for 5 years

Consolidator Grants

consolidators
(7-12 years after PhD)
up to € 2.75 Mio
for 5 years

Advanced Grants

track-record of
significant research
achievements in the
last 10 years
up to € 3.5 Mio
for 5 years

Synergy Grants (not in 2014)

*2 – 4 Principal Investigators
up to € 15.0 Mio for 6 years*

Proof-of-Concept

bridging gap between research - earliest stage
of marketable innovation
up to €150,000 for ERC grant holders

STARTING GRANTS: BASIC PROFILE



FUNDING LEVEL	1,5 M€ [2,0 M€] 5 years
OBJETIVE	nurturing the next generation research leaders. To support excellent Principal Investigators at the career stage at which they are starting their own independent research team or programme
ELEGIBILITY	PhD 2 -7 years [limited reasons for extension]. HI support letter
PROFILE	Potential for independence and evidence of maturity Good track-record of early research achievements, appropriate to their research field and career stage <i>At least one major publication without PhD supervisor</i> Commitment to the project > 50%. At least 50% in Europe

CONSOLIDATOR GRANT: BASIC PROFILE



SIZE	2,0 M€ [2,75 M€] 5 years
OBJECTIVE	Support excellent PI at the career stage at which they may still be consolidating their own independent research team or programme. PI must demonstrate the ground breaking nature, ambition and feasibility of their scientific proposal.
ELEGIBILITY	PhD 7 -12 years [limited reasons for extension]. HI support letter
PROFILE	Independence and evidence of maturity shown Promising track-record of early research achievements, appropriate to their research field and career stage Several publications without PhD supervisor Commitment to the project > 50%. At least 50% in Europe

ADVANCED GRANTS: BASIC PROFILE



FUNDING LEVEL	2,5 M€ [3,5 M€] 5 years
OBJECTIVE	Attract and reward top scientists from anywhere in the world to conduct frontier research in Europe
ELEGIBILITY	No conditions
TRACK RECORD	Strong leadership profile (impact, recognition,...) Excellent track record in recent years (10 yrs)
	10 selected publications
	3 monographs
	Or if applicable: Patents/Expeditions/Prizes/Conferences/Academies...
	30% of time devoted to the ERC project. 50% in Europe

ERC: Calendar & Budget



	<i>Starting Grant</i>	<i>Consolidator Grant</i>	<i>Advanced Grant</i>	<i>Proof of Concept Grant</i>
<i>Call identifier</i>	ERC-2014-StG	ERC-2014-CoG	ERC-2014-AdG	ERC-2014-PoC
<i>Publication date</i>	11 December 2013	11 December 2013	17 June 2014	11 December 2013
<i>Deadline(s)</i>	25 March 2014	20 May 2014	21 October 2014	1 April 2014 1 October 2014
<i>Budget million EUR (estimated number of grants)</i>	485 (370)	713 (400)	450 (200)	15 (100)

Host Institution



- HI must be located in an EU Member State or an Associated Country
- Hosts the PI for the duration of the project
- Is a legal entity: university, research center, business research unit, etc.
- Is committed to ensure that the PI may:
 - Apply for funding independently
 - Manage research and funding project
 - Publish independently as senior author
 - Have access to reasonable space and facilities
- Signs Grant Agreement
- Overhead: 25%

ERC Grant Management



- No constraints on eligible costs as long as they are for the execution of the project
- Rules of the HI apply
- High flexibility: aims of the project can be modified through amendments to the grant agreement
- Grants have a light reporting along the project life-time: financial report every 18 months, scientific report at mid-term and end of the project
- Grants have 25-40% pre-financing
- PI is empowered to manage the research activity and the funds of the project
- Grants are portable

IV. Evaluation of ERC proposals



**If you are asked to be an ERC panel member,
please accept**

Submission of proposals



PART A – online forms

- A1 Proposal and PI info
- A2 Host Institution info
- A3 Budget

PART B1 – submitted as .pdf

- Extended Synopsis 5 p.
- CV 2 p.
- Track Record 2 p.

Annexes – submitted as .pdf

- Statement of support of HI
- If applicable: explanatory information on ethical issues; copy of PhD (StG, CoG); document for extension of eligibility window (StG, CoG)

PART B2 – submitted as .pdf

- Scientific Proposal 15 p.

Submission of proposals



PART A – online forms

- A1 Proposal and PI info
- A2 Host Institution info
- A3 Budget

Annexes – submitted as .pdf

- Statement of support of HI
- If applicable: explanatory information on ethical issues; copy of PhD (StG, CoG); document for extension of eligibility window (StG, CoG)

PART B1 – submitted as .pdf

- Extended Synopsis 5 p.
- CV 2 p.

- One **strict** single deadline
- Proposal complete (A+B1+B2) + HI letter and other docs: readable
- **Panel identification and keywords**

Panel Structure



Life Sciences

- LS1 Molecular & Structural Biology & Biochemistry
- LS2 Genetics, Genomics, Bioinformatics & Systems Biology
- LS3 Cellular and Developmental Biology
- LS4 Physiology, Pathophysiology & Endocrinology
- LS5 Neurosciences & Neural Disorders
- LS6 Immunity & Infection
- LS7 Diagnostic tools, Therapies & Public Health
- LS8 Evolutionary, Population & Environmental Biology
- LS9 Applied Life Sciences & Biotechnology

Social Sciences and Humanities

- SH1 Individuals, Institutions & Markets
- SH2 The Social World, Diversity and Common Ground
- SH3 Environment, Space and Population
- SH4 The Human Mind and its Complexity
- SH5 Cultures & Cultural Production
- SH6 The Study of the Human Past

Physical Sciences & Engineering

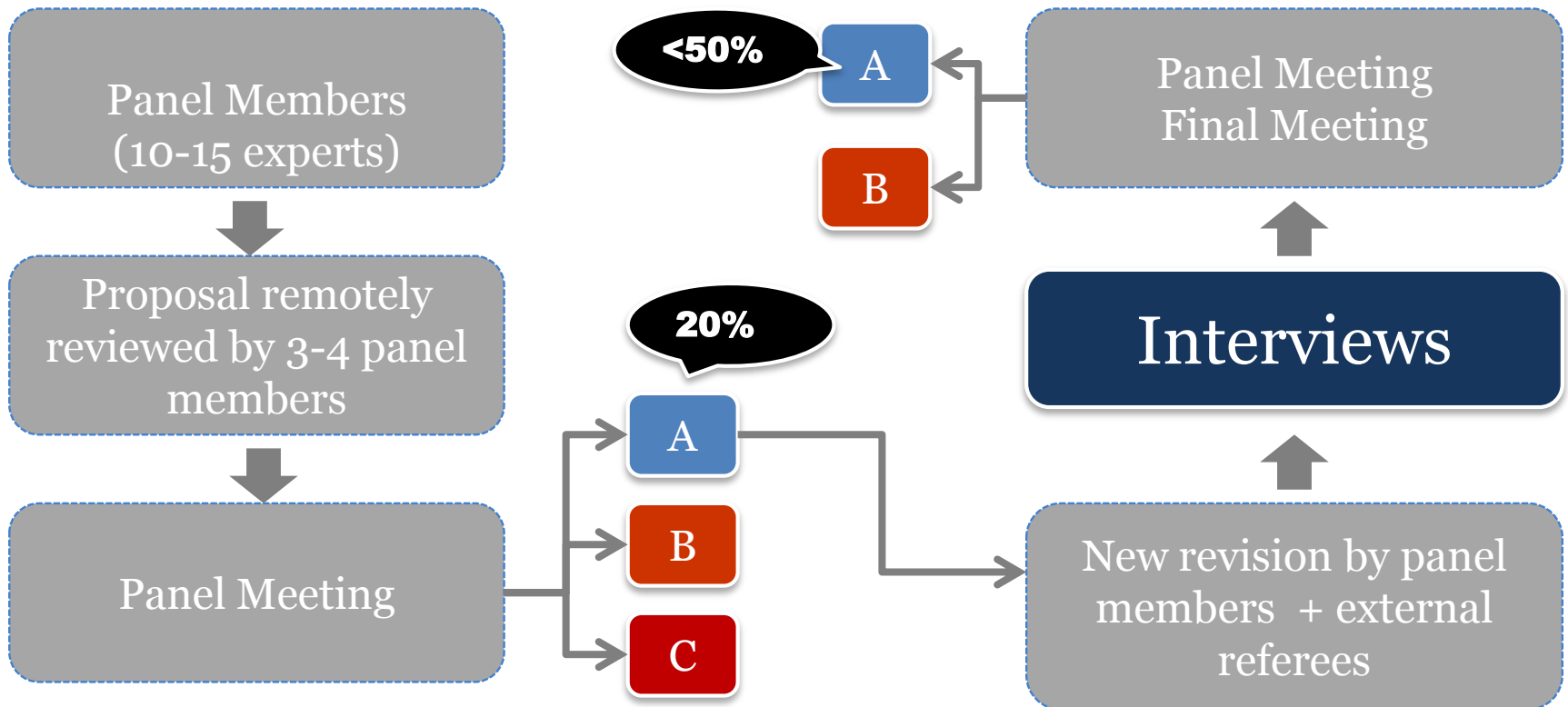
- PE1 Mathematics
- PE2 Fundamental Constituents of Matter
- PE3 Condensed Matter Physics
- PE4 Physical & Analytical Chemical Sciences
- PE5 Materials & Synthesis
- PE6 Computer Science & Informatics
- PE7 Systems & Communication Engineering
- PE8 Products & Process Engineering
- PE9 Universe Sciences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

Evaluation process



STEP I: Part B1

STEP 2: B1+B2



V. NCP Support Services





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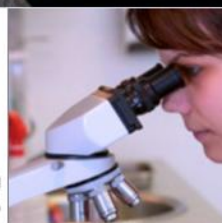
ERC NCP

MSCA NCP

FET follow-up

Ciencia Excelente | Liderazgo Industrial | Retos Sociales | Además...

Google™ Búsqueda por:



EVENTOS

7ª Conferencia del Programa Marco para Investigación e Innovación de la UE en España, Horizonte 2020
Ya están disponibles la mayoría de las presentaciones de la 7ª Conferencia del Programa Marco de Investigación e Innovación de la Unión Europea en España.

EVENTOS

Infoday ERC: Programa de Trabajo 2014
El día 11 de diciembre de 2013, tendrá lugar en el Instituto de Salud Carlos III una jornada informativa sobre el Programa de Trabajo 2014 del ERC. La intervención principal correrá a cargo de D. José Labastida, Jefe del Departamento de

ACTUALIDAD

Publicación de los borradores de programas de trabajo de Horizonte 2020
La Comisión Europea ya está publicando los borradores finales de los programas de trabajo de Horizonte 2020. Contienen información sobre las convocatorias de 2014, incluyendo

NOTICIAS

Abierta la inscripción en la base de datos de expertos de Horizonte 2020 de la Comisión Europea
Todos aquellos expertos del mundo académico y empresarial, de diferentes áreas de conocimiento, interesados en evaluar proyectos de Horizonte 2020 y EURATOM, pueden

CALENDARIO DE ACTIVIDADES

◀ Diciembre 2013 ▶

L	M	X	J	V	S	D
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

Qué es **HORIZONTE 2020**



Cómo PARTICIPAR

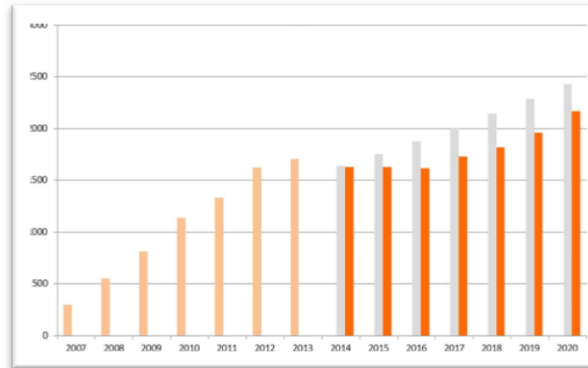
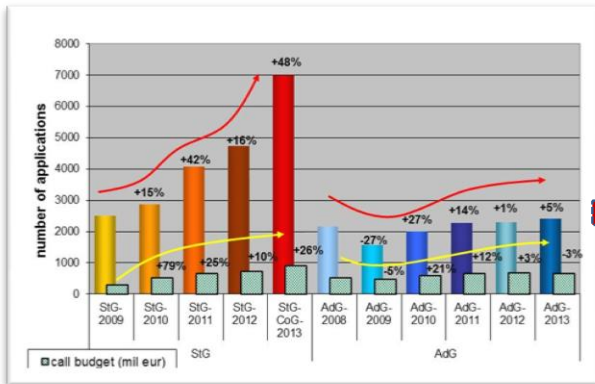


NCP Services



- Proposal pre-screening: Published at www.eshorizonte2020.es
 - Who? Any eligible PI asking for a StG or CoG 2014
 - Evaluators are expert scientist, but not exactly in the same field. Confidentiality agreement signed.
 - Proposal sent through the HI project office at revisiones.erc@oficinaeuropea.es before **11feb (StG), 8apr (CoG)**
- Infodays
- Grant writing workshops or interviews (as organized by local entities)
- Mock interviews for those candidates reaching the step 2.

Final consideration



B → 2016
C → 2017

- Think carefully when you should go for the ERC grant (right timing)
- Do prepare it well in advance!!!

Thank you



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ALTERNATIVE FUNDING SOURCES at EU LEVEL



Get support from the appropriate NCP!

ERC

- Jose Luis Garcia (MINECO-CSIC)
- Lucia del Rio (ISCIH) ldrio@isciii.es
- Esther Rodriguez (OE) esther.rodriguez@oficinaeuropea.es

FET

- Borja Izquierdo (Oficina Europea)
- Severino Falcon (MINECO) severino.falcon@mineco.es
- Roberto Martinez (UPM) roberto.martinez@upm.es
- Pablo Fernández (UPC) pablo.fernandez.gonzalez@upc.edu

MSCA

- Antonio Skarmeta (MINECO-UM)
- Cristina Gómez Corchete (FECYT) crystina.gomez@fecyt.es
- Jesús Rojo (jesus.rojo@madrimasd.org)

INFRAS.

- Inmaculada Figueroa (MINECO)
- Marta March (INTA) martam@inta.es
- Gloria Villar (ISCIH) gvillar@isciii.es

SWAFS + CHALLENGE 6

- Rocio Castrillo rocio.castrillo@fecyt.es