

WEBINAR  
para investigadores  
con sede en LAC

16.9.2020, 9h00

[bit.ly/ERC\\_Webinar\\_LAC](https://bit.ly/ERC_Webinar_LAC)

TODAS ÁREAS DE  
CONOCIMIENTO

FOCUS  
STARTING GRANTS

erc

## CONSEJO EUROPEO DE INVESTIGACIÓN (ERC): BECAS PARA INVESTIGADORES EXCELENTES

- **Inés Marin Moreno**

Gerente científica  
Agencia Ejecutiva ERC



- **Davide Innocenti**

Gerente científico  
Agencia Ejecutiva ERC



- **Viktorija Bodnarova**

Representante  
EURAXESS LAC



# Becas de Consejo Europeo de Investigación

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## Contenido 01.

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**EURAXESS – Researchers in Motion** - Charlotte Grawitz

## 02.

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**Las becas individuales de Consejo Europeo de Investigación (ERC) – Inés Marin Moreno**

## 03.

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**ERC Implementing Arrangements – Davide Innocenti**

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# How can EURAXESS support your mobility project?

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Charlotte Grawitz

EURAXESS Brazil & LAC

Webinar EURAXESS - ERC, 16 Sept. 2020



EURAXESS is a European Commission's Directorate General for Research and Innovation initiative



# About EURAXESS

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EURAXESS – Researchers in motion is a European Commission initiative, removing the barriers to **brain circulation** since 2003



Provide free **information and support services**

Network of 40 countries in Europe + 8 global hubs +  
European Commission

[euraxess.org](http://euraxess.org)





# EURAXESS



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SEARCH



## Welcome

# Positions in teams funded by ERC => announced on EURAXESS Jobs

[jobs.euraxess.org](https://jobs.euraxess.org)

Home **JOBS & FUNDING** CAREER DEVELOPMENT PARTNERING INFORMATION & ASSISTANCE EURAXESS WORLDWIDE MY EURAXESS EXTRANET Search

## Search for jobs

Enter keywords

RESEARCH FIELD

RESEARCHER PROFILE

SECTOR

COUNTRY

**EUROPEAN RESEARCH PROGRAMME** 1 selected

- FP7 / People-Marie Curie Actions COFUND (1)
- H2020 (247)
- H2020 / EIT (1)
- H2020 / ERC (147)**
- H2020 / Marie Skłodowska-Curie Actions (144)
- H2020 / Marie Skłodowska-Curie Actions COFUND (50)
- H2020 / SME Innovation Associate (14)
- Not funded by an EU programme (7468)

SEARCH NEED HELP?

Available Offers (8102)

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SEARCH



## Welcome

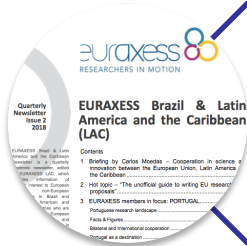
# EURAXESS Brazil & LAC - How do we work?

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## 1. Provide information



Website & social media



**Publications**  
(Guides on MSCA, on ERC, list of funding opportunities, interviews, tutorials)



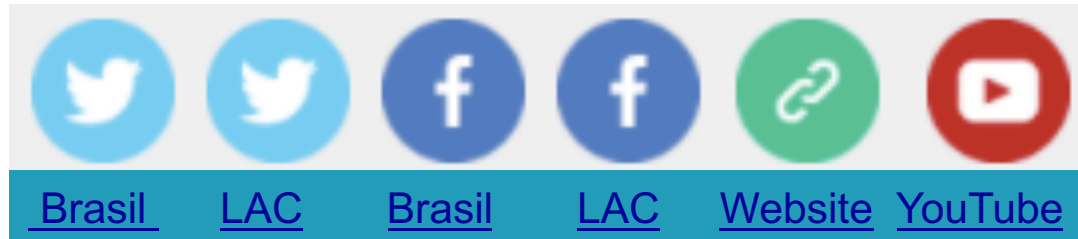
**Presentations and events**

## 2. Support individual researchers and institutions

# EURAXESS supports your mobility projects

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Don't miss any opportunity, follow us!



Contact us!

[brazil@euraxess.net](mailto:brazil@euraxess.net)

[lac@euraxess.net](mailto:lac@euraxess.net)

# The European Research Council

## ERC Grants for top researchers from anywhere in the world

16 September 2020 – Brussels  
Presentation to Latin America and the  
Caribbean

Inés T. Marín Moreno  
[Ines.Marin-Moreno@ec.europa.eu](mailto:Ines.Marin-Moreno@ec.europa.eu)



**European Research Council**

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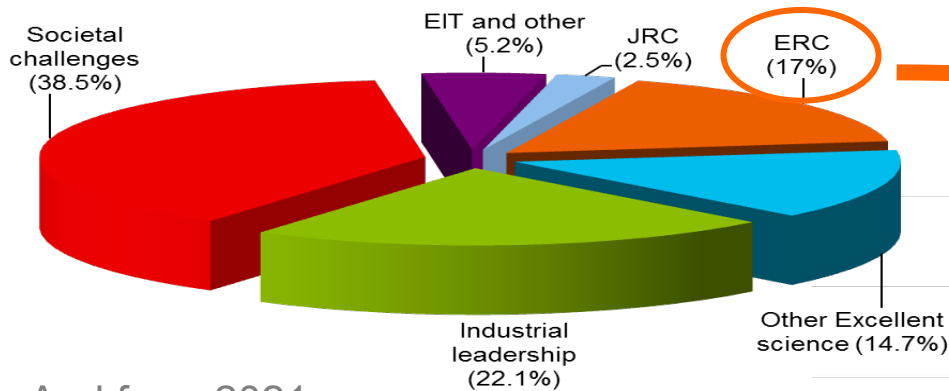
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# Outline

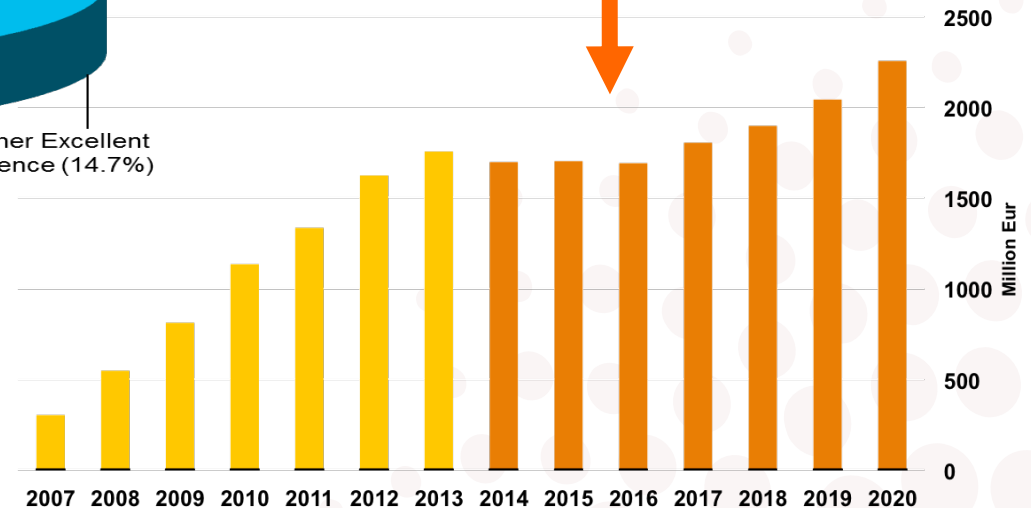
- ✓ What is the ERC & What does ERC offer?
- ✓ The ERC evaluation process
- ✓ International participation to ERC

# ERC is....

## 1. Funding: it is part of H2020 (€77 billion)



**ERC budget: €13 billion**



And from 2021...







# ERC is....

## 2. The Scientific Council



**Prof. Jean-Pierre BOURGUIGNON**  
Interim ERC President



**Prof. Janet THORNTON**  
(Bioinformatics and Structural Biology)  
ERC Vice-President



**Prof. Fabio ZWIRNER**  
(Theoretical and High-Energy Physics)  
ERC Vice-President



**Prof. Eveline CRONE**  
(Psychology)



**Prof. Geneviève ALMOUZI**  
(Biology)



**Prof. Manuel ARELLANO**  
(Economics)



**Prof. Paola BOVOLENTA**  
(Neurobiology)



**Prof. Margaret BUCKINGHAM**  
(Biology)



**Prof. Ben FERINGA**  
(Organic Chemistry)



**Prof. Mercedes GARCÍA-ARENAL**  
(History)



**Prof. Gerd GIGERENZER**  
(Psychology)



**Prof. Andrzej JAJSCZYK**  
(Electronics and Communication Engineering)



**Prof. Eystein JANSEN**  
(Earth Science)



**Prof. Tomas JUNGWIRTH**  
(Condensed Matter Physics)



**Prof. Michael KRAMER**  
(Astrophysics)



**Prof. Kurt MEHLHORN**  
(Computer Science)



**Prof. Barbara ROMANOWICZ**  
(Geophysics)



**Prof. Jesper SVEJSTRUP**  
(Biology)



**Prof. Nektarios TAVERNARAKIS**  
(Molecular Systems Biology)



**Prof. Lene VESTERGAARD HAU**  
(Physics)



**Milena ŽIĆ FUCHS**  
(Linguistics)

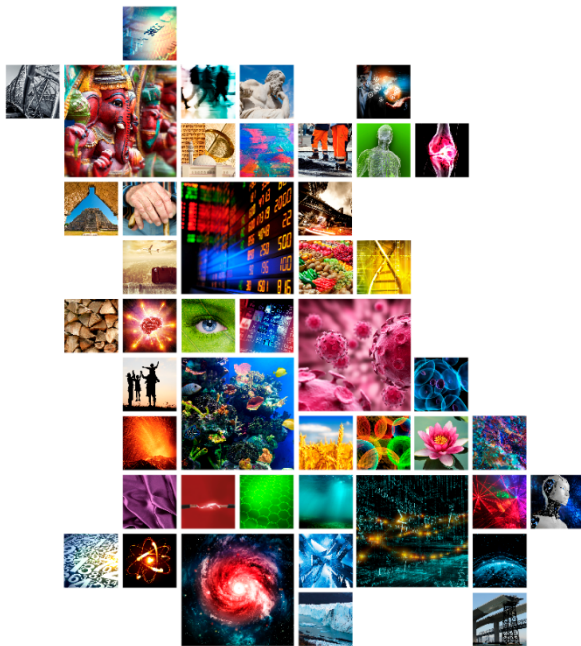
# ERC is....

## 3. The ERC Executive Agency (ERCEA)

- Implements calls for proposals
- Organises peer review evaluation
- Establishes and manages grant agreements
- Administers scientific and financial aspects
- Carries out communications activities



# ERC basics



- Open to individual researchers from all over the world
- Long-term grants
- No thematic priorities, bottom-up
- High-risk / high-gain projects in any field of research



Life Sciences



Physical Sciences and Engineering



Social Sciences and Humanities

**Excellence is the sole evaluation criterion**

# What do ERC grants offer?

## Creative Freedom of the Individual Grantee

### ERC offers independence, recognition & visibility

- research topic of **own choice**, with a team of **own choice**
- true **financial autonomy** for 5 years
- **portability of the grant** within Europe
- **ERC is a quality label:**
  - ⇒ negotiate with the host institution **the best conditions** of work
  - ⇒ attract **top team members** (EU and non-EU) and **collaborators**
  - ⇒ attract **additional funding**

# Facts and figures



**> 10,500**  
projects of all types funded  
by the ERC since 2007



**82**  
nationalities  
(ERC grantees)



**34**  
EU and Associated Countries  
hosting ERC projects



**> 125,000**  
publications reported  
by ERC projects



**> 1,300**  
prestigious prizes  
awarded to ERC grantees



**> 75,000**  
researchers and other professionals  
hired in ERC teams

# ERC funding schemes



## Starting Grant

Size of the grant: up to €1.5 million + up to €1 million  
Duration: up to 5 years  
2-7 years of experience since completion of their PhD  
50% of PI's time in the project + 50% in the EU or AC



## Consolidator Grant

Size of the grant: up to €2 million + up to €1 million  
Duration: up to 5 years  
7-12 years of experience since completion of their PhD  
40% of PI's time in the project + 50% in the EU or AC



## Advanced Grant

Size of the grant: up to €2.5 million + up to €1 million  
Duration: up to 5 years  
An excellent scientific track record of recognized achievements in the last 10 years  
30% of PI's time in the project + 50% in the EU or AC



# ERC funding schemes



## Synergy grant

Size of the grant: €10 million + up to €4 million

Duration: up to 6 years

Be composed of 2 to 4 researchers and their research groups

**(one researcher can be based outside EU/AC)**

30% of PI's time in the project + 50% in the EU or AC



## Proof of Concept

Size of the grant: €150 000

Duration: up to 18 months

Demonstrate that the idea funded by the original ERC grant has innovation potential and significant economic or societal benefits

## Contrary to what you may think

- ERC funds "frontier research", including applied research.
- The budget is distributed among the scientific panels as a function of demand.
- The success rate is virtually flat across the eligibility window (StG, CoG).
- The Host Institution is not an evaluation criterion.





# PIs from all over the World Can Apply to ERC

## Opportunities for non ERA\* researchers:

- Additional “start-up” funding for researchers moving to Europe (1 M€ irrespective of call scheme)
- Grantee can keep affiliation with home institute outside Europe (“significant part” of work time in Europe, at least 50%)
- Team members can be based outside Europe
- Grantee can move within Europe with the grant



ERA = European Research Area (EU + Associated Countries)

## 2021 Call Calendar (expected dates)

ERC calls	Expected Call Opening	Expected Submission Deadline(s)
<b>Starting Grants</b> ERC-2021-StG	12/01/2021	09/03/2021
<b>Consolidator Grants</b> ERC-2021-CoG	21/01/2021	20/04/2021
<b>Advanced Grants</b> ERC-2021-AdG	20/05/2021	31/08/2021
<b>Proof of Concept</b> ERC-2021-PoC (cut off dates)	14/01/2021	16/03/2021 17/06/2021 20/10/2021
<b>Synergy Grants</b> ERC-2021-SyG	No Synergy Grant call in 2021	



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# Outline

- ✓ What is the ERC & What does ERC offer?
- ✓ The ERC evaluation process
- ✓ International participation to ERC

# ERC Panel structure – 2021 Update

## 3 Domains - 27 Panels

### Life Sciences (LS)

- **LS1** Molecular Biology, Biochemistry, Structural Biology and Molecular Biophysics
- **LS2** Genetics, 'Omics', Bioinformatics and Systems Biology
- **LS3** Cellular and Developmental Biology
- **LS4** Physiology, Pathophysiology and Endocrinology
- **LS5** Neuroscience and Neural Disorders
- **LS6** Immunity and Infection
- **LS7** Applied Medical Technologies, Diagnostics, Therapies, and Public Health
- **LS8** Ecology, Evolution and Environmental Biology
- **LS9** Applied Life Sciences, Biotechnology and Molecular and Biosystems Engineering

- Each panel: 12-16 Panel Members (*top scientists in the fields covered by the panel*)
- The panel descriptors do not represent ERC scientific priorities!

### Social Sciences and Humanities (SSH)

- **SH1** Individuals, Markets and Organisations
- **SH2** Institutions, Values, Environment and Space
- **SH3** The Social World, Diversity, Population
- **SH4** The Human Mind and Its Complexity
- **SH5** Cultures and Cultural Production
- **SH6** The Study of the Human Past
- **SH7** Human Mobility, Environment, and Space

### Physical Sciences & Engineering (PSE)

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

# Evaluation criteria



## Excellence is the sole evaluation criterion

### Excellence of the Research Project

- Ground breaking nature
- Potential impact
- Scientific Approach

### Excellence of the Principal Investigator

- Intellectual capacity
- Creativity
- Commitment

# Submission of the proposal

## **PART A – online forms**

- A1** Proposal and PI info
- A2** Host Institution info
- A3** Budget
- A4** Ethics Issues
- A5** Call Specific Info

## **Annexes – submitted as .pdf**

- HI support letter
- copy of PhD title (StG, CoG);
- document for extension of eligibility window (StG, CoG)

## **PART B1 – submitted as .pdf**

- Extended Synopsis 5 p.
- CV 2 p.
- Early Achievements 2 p.  
(incl. up to 5-10 publications)

## **PART B2 – submitted as .pdf**

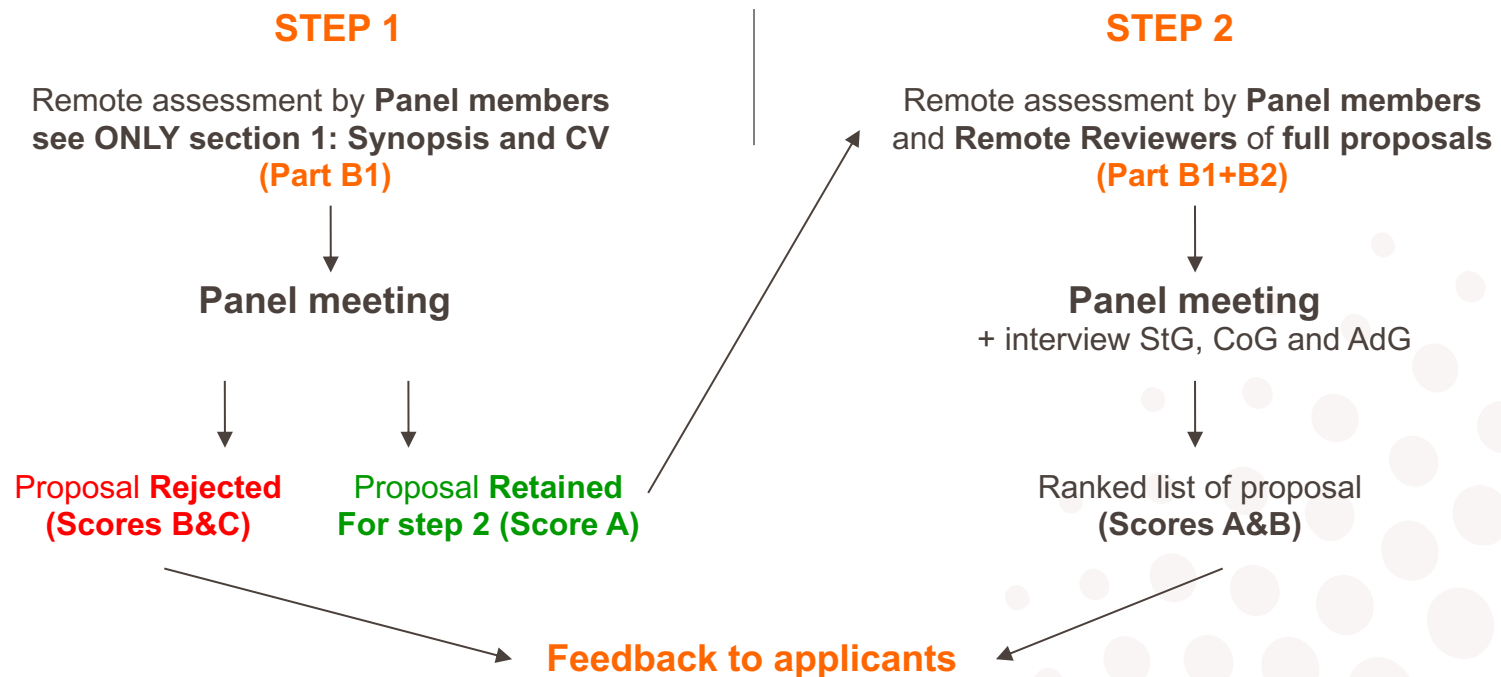
- Scientific Proposal 15 p.  
State of the Art & Objectives  
Methodology  
Resources



**Read the Information to Applicants**

# How are the ERC proposal evaluated

For individuals calls: a single submission but a two step evaluation





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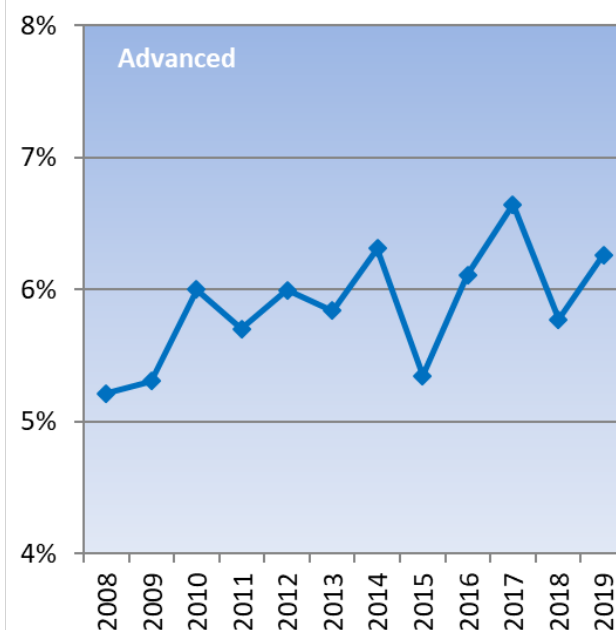
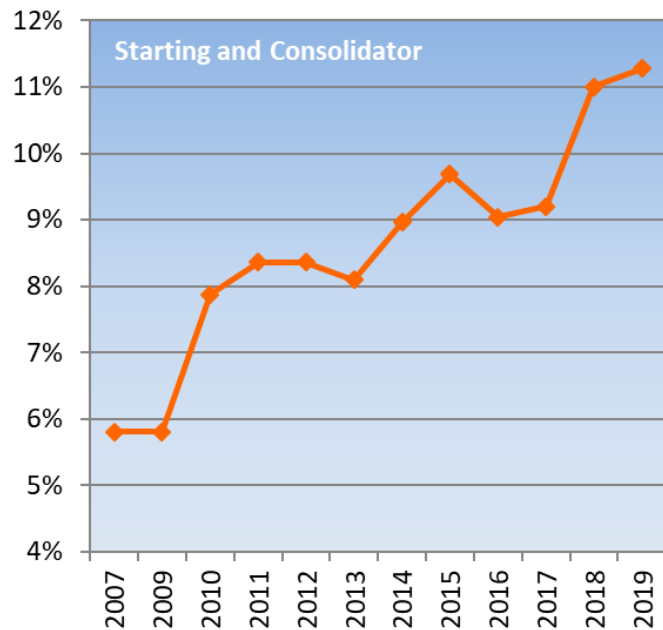
# Outline

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- ✓ International participation to ERC



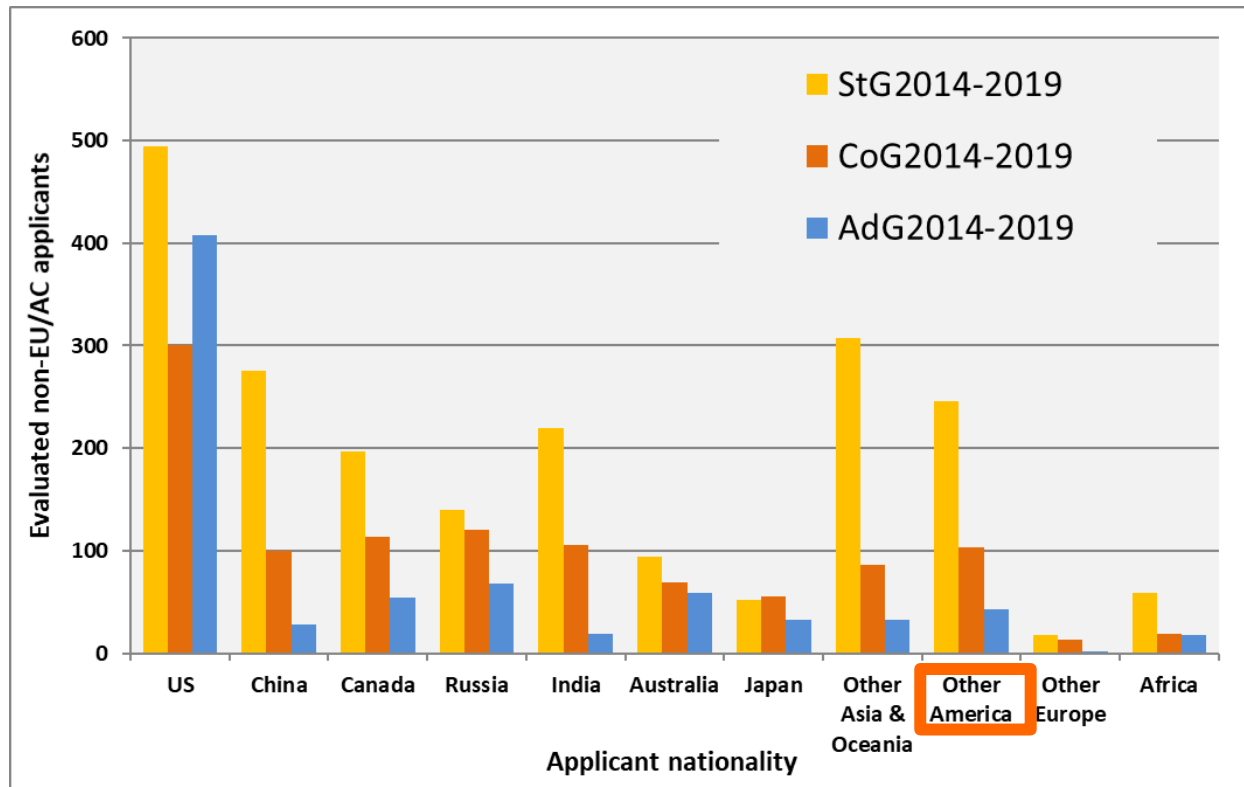
# Increased Participation to H2020 Starting and Consolidator Calls

## Proportion of evaluated proposals from non-EU/AC nationals by call year



# H2020 ERC Calls

## Evaluated Proposals from non-EU/AC Nationals



# 47 Non-EU/AC Nationalities among ERC grantees

Over 8% of all ERC grants have principal investigators of non-EU/AC nationality

Non-EU/AC Principal Investigators	Starting and Consolidator grants	Advanced grants	Total grants
USA	227	121	348
Canada	83	16	99
India	59	3	62
Russia	50	9	59
Australia	49	10	59
China	50	1	51
Japan	25	7	32
New Zealand	17	6	23
Argentina	19	1	20
Other	106	13	119
Total	685	187	872

## 13 LAC Nationalities

Over 0,5% of all ERC grants have principal investigators of LAC nationalities

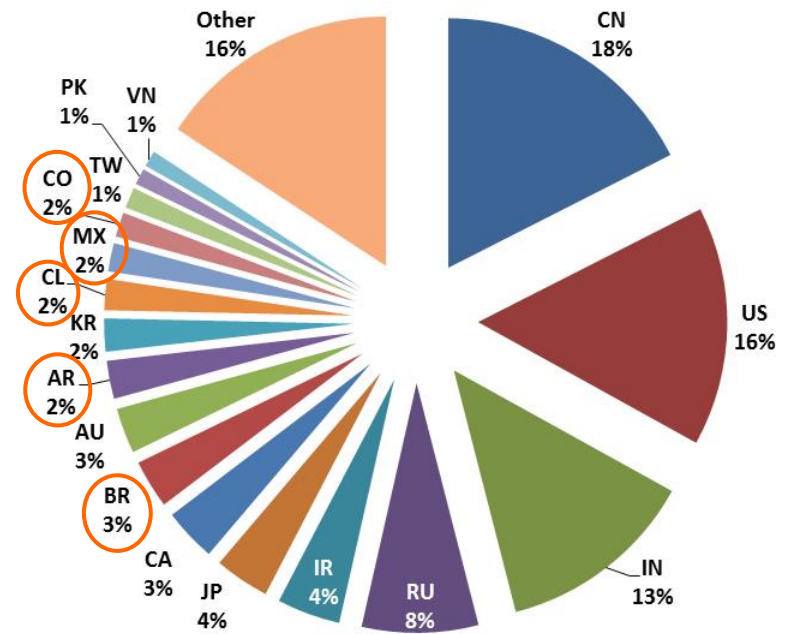
LAC Principal Investigators	Number of grants
Argentina	20
Bolivia	1
Brasil	11
Chile	8
Colombia	2
Costa Rica	3
Cuba	1
Ecuador	1
Guatemala	1
Jamaica	1
Mexico	6
Peru	1
Uruguay	1
Total	57

# Attracting Researchers to Europe

Nationality of ERC project teams (PIs not included)  
Analysis of 1,901 Starting and Advanced Grants

**EU: 71%**  
**Assoc. Countries: 10%**  
**non-EU/AC: 17%**  
unknown: 2%

In all ERC grants  
**over 10,000** non-ERA team members  
most from  
**China, US, India, and Russia**



# Examples of International Grantees ERC Funded Projects (Latin America & Caribbean)

## activeFly

LS05 : Neuroscience and Neural Disorders



*“We are really grateful to the ERC for our starting grant because it allows us to take on this very ambitious project in a slightly different and very creative level.*

*Having the flexibility that the ERC gives you allows us to recruit very talented and diverse people from all around the world and it creates environment that nurtures creativity.”*

Researcher: Eugenia Chiappe (Argentina)

ERC Starting Grant 2017

HI: Champalimaud Foundation (Portugal)

# Examples of International Grantees ERC Funded Projects (Brazil)

## In-Need

PE07: Systems and Communication Engineering  
III-Nitrides Nanostructures for Energy-Efficiency Devices

*"I dedicated a significant share of my first months as professor at EPFL to prepare my ERC application, which turned out to be very well invested time...The experience of living in different countries allowed me to learn several cultures, languages, educational systems, to take the best aspects of each and incorporate them in my own research and teaching."*

Researcher: Elison Matioli (Brazil)

ERC Starting Grant 2015

HI: Ecole Polytechnique Federale De Lausanne,  
(Switzerland)



## Where can you find more information?

Our website:

[erc.europa.eu](https://erc.europa.eu)

Our social media channels:



National Contact Points (NCP):

<https://erc.europa.eu/funding/national-contact-points>

Funding & Tender Opportunities:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/home>



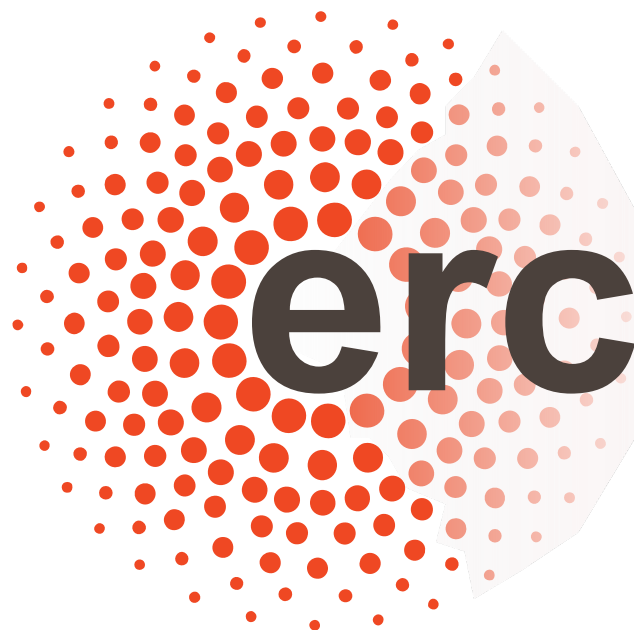
# The European Research Council

## Implementing Arrangements: an opportunity to join ERC teams

Davide Innocenti  
ERC Executive Agency

16<sup>th</sup> September 2020

EURAXESS-ERC Webinar Series



# Implementing Arrangements

- Promotes opportunity for scientists to visit and collaborate with ERC research teams, **partially supported by foreign agencies**
- **14** IAs signed with funding agencies from **12** different countries
- **400+** researchers visited an ERC project since 2012
- **November 2020** – Next call for Expression of Interest from ERC PIs



## All the Implementing Arrangements

Promotes opportunity for researchers to visit ERC research teams, supported by foreign agencies.

- **USA**, National Science Foundation (NSF)
- **Republic of Korea**, National Research Foundation (NRF)
- **Argentina, Ministry of Science, Technology and Productive Innovation (MINCYT)**
- **China**, National Natural Science Foundation of China (NSFC)
- **Japan**, Japan Society for the Promotion of Science (JSPS) and Japan Science and Technology Agency (JST)
- **South Africa**, National Research Foundation (NRF)
- **Mexico, Mexican National Council of Science and Technology (CONACYT)**
- **Brazil**, Brazilian National Council of the State funding agencies (CONFAP)
- **Canada**, Canadian Tri-Agency Institutional Programmes Secretariat (TIPS)
- **India**, Scientific Engineering Research Board (SERB)
- **Australia**, National Health and Medical Research Council (NHMRC); Australian Research Council (ARC)
- **Singapore**, National Research Foundation Singapore (NRF)

# IA - ERC PIs Participation 2012-2019

Number of ERC grantees expressed interest to host researchers funded by foreign agencies									
Country	2012	2013	2014	2015	2016	2017	2018	2019	Total
USA	789	676	372	507	380	312	423	730	4189
Korea PI		492	351	358	319	256	341	570	2687
China				402	293	249	332	566	1842
Japan JSPS				453	345	287	377	634	2096
<b>Argentina</b>				378	296	245	322	542	1783
South Africa				358	279	240	312	539	1728
Brazil					303	249	329	545	1426
<b>Mexico</b>					294	242	316	534	1386
Canada					353	289	392	660	1694
India Early						224	301	514	1039
Japan JST							370	625	995
Australia NHMRC							369	610	979
Korea PhD							325	541	866
India PhD							276	468	744
Australia ARC								647	647
Singapore								584	584
Average	789	584	362	409	318	259	342	582	

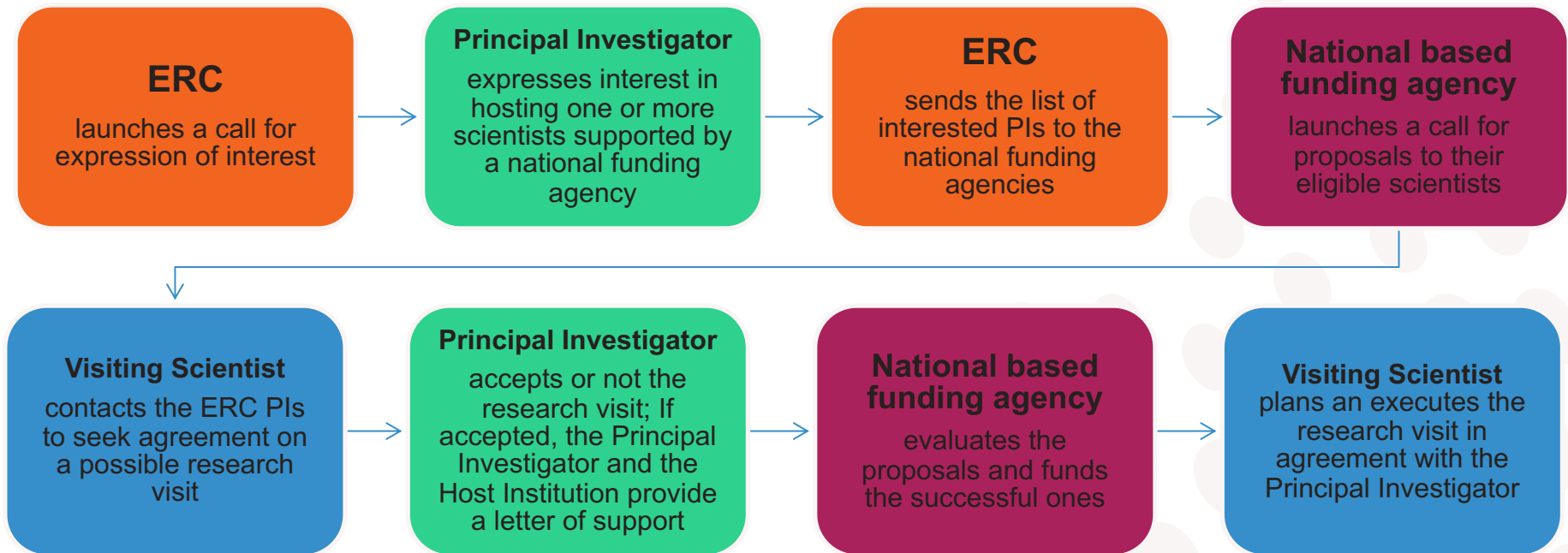
# Research Visits to ERC projects 2012-2019

Number of visiting researchers by year and by country									
Country	2012	2013	2014	2015	2016	2017	2018*	2019*	Total
Japan JST							6		6
India						5			5
Canada					3	3	1		7
<b>Mexico</b>					5	4			9
Brazil					12	22	37		71
<b>Argentina</b>				5	5				10
China				11	12	7	8		38
Japan JSPS				3	13	2	11	13**	42
South Africa				5	2	1	2		10
South Korea		31	28	30	30	35	32		186
USA	12	23		11			3		49
<b>Total</b>	<b>12</b>	<b>54</b>	<b>28</b>	<b>65</b>	<b>82</b>	<b>79</b>	<b>100</b>	<b>13</b>	<b>428</b>

\*Preliminary data for 2018 and 2019 calls

\*\* These visits will start on late 2020 – early 2021

# IA procedures

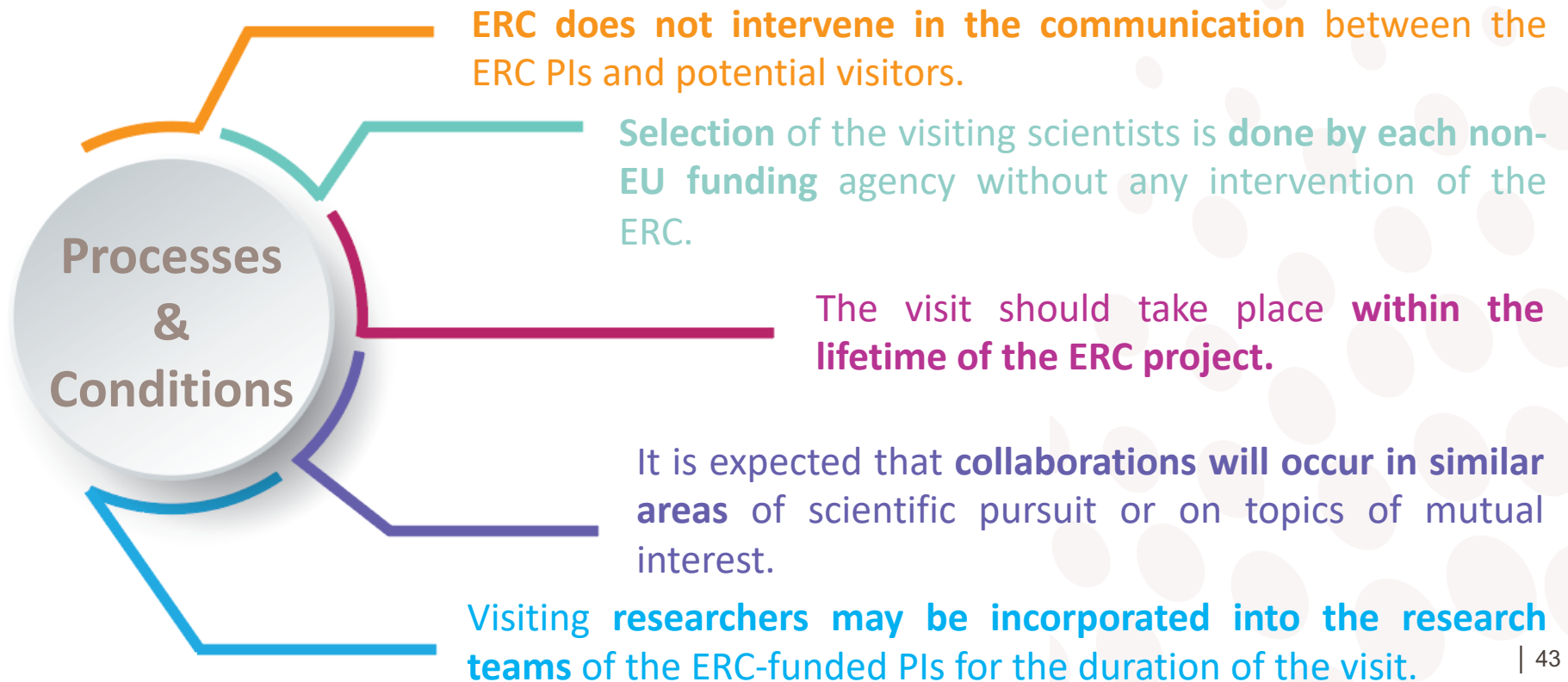


*Action taken by*

- ERC
- ERC grantee
- Funding agency abroad
- Visiting scientist

# IA participation processes and conditions

## Common to all agreements



## Where can you find more information?

Next ERC call for Expression of Interest for ERC PIs:

**November 2020**

Next internal calls for Expression of Interest for visiting scientist:

**Early 2021**

Support and information:

[erc-implementing-arrangements@ec.europa.eu](mailto:erc-implementing-arrangements@ec.europa.eu)

<https://erc.europa.eu/funding/additional-opportunities#International>



# DESARROLLO PROFESIONAL DE INVESTIGADORES

SERIE DE WEBINARS DE EURAXESS LAC



- **Cómo escribir y publicar un buen artículo**  
29 de Septiembre 2020 - 9:00 MX, CO & 11:00 AR, CL
- **Cómo escribir una buena propuesta para obtener un financiamiento**  
27 de Octubre 2020 - 13:00 MX, 14:00 CO & 16:00 AR, CL
- **Cómo mejorar tu CV**  
24 de Noviembre 2020 - 13:00 MX, 14:00 CO & 16:00 AR, CL



Para más información:  
[bit.ly/CareerWebsLAC2020](https://bit.ly/CareerWebsLAC2020)



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