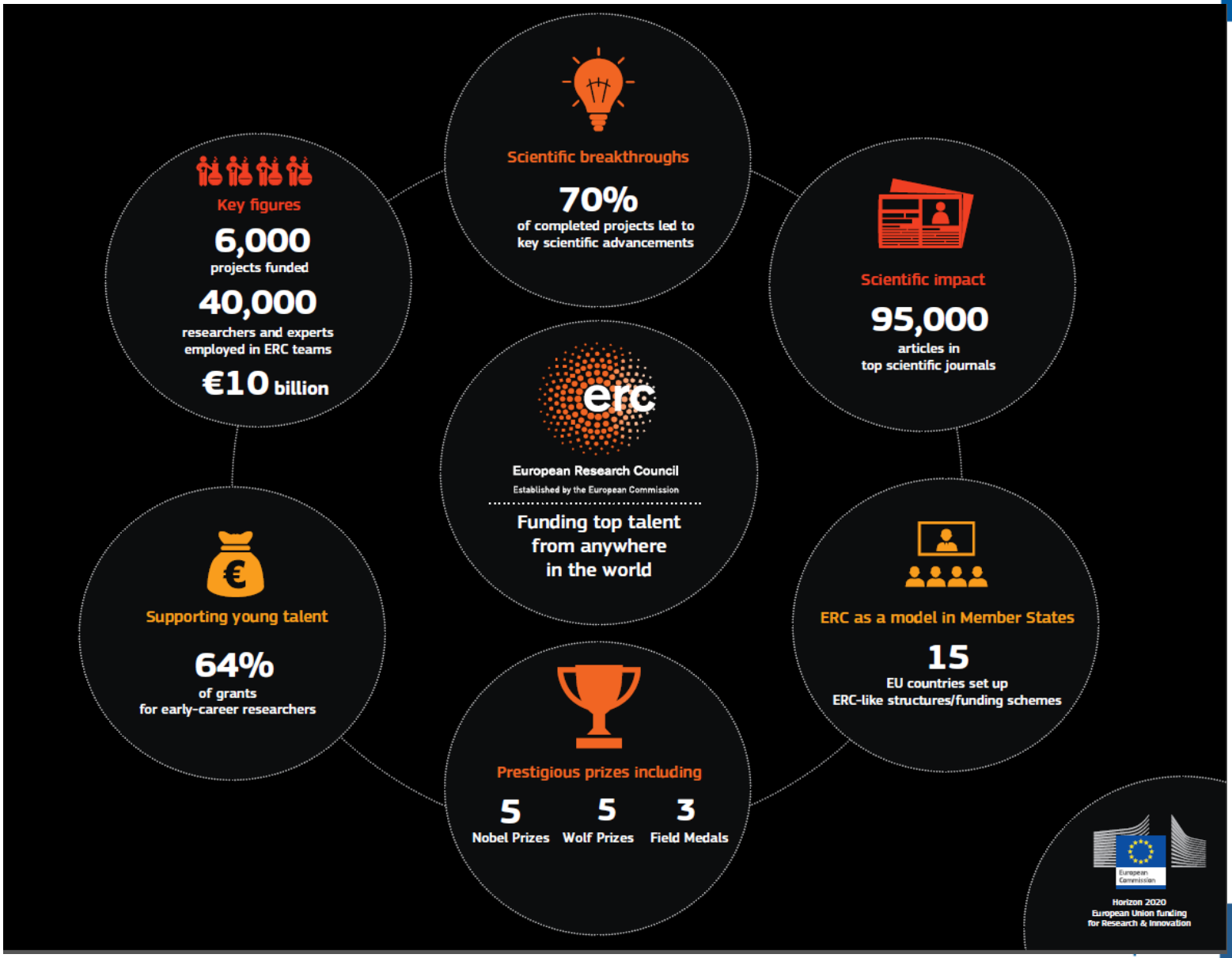
ERC Grants in Horizon 2020:
Schemi di finanziamento, regole di partecipazione e novità 2017

Outline

- **What have we achieved**
- What do we offer
- Who can apply
- How to apply
- Some useful tools

After 9 Years, a Success Story



All grants, all schemes

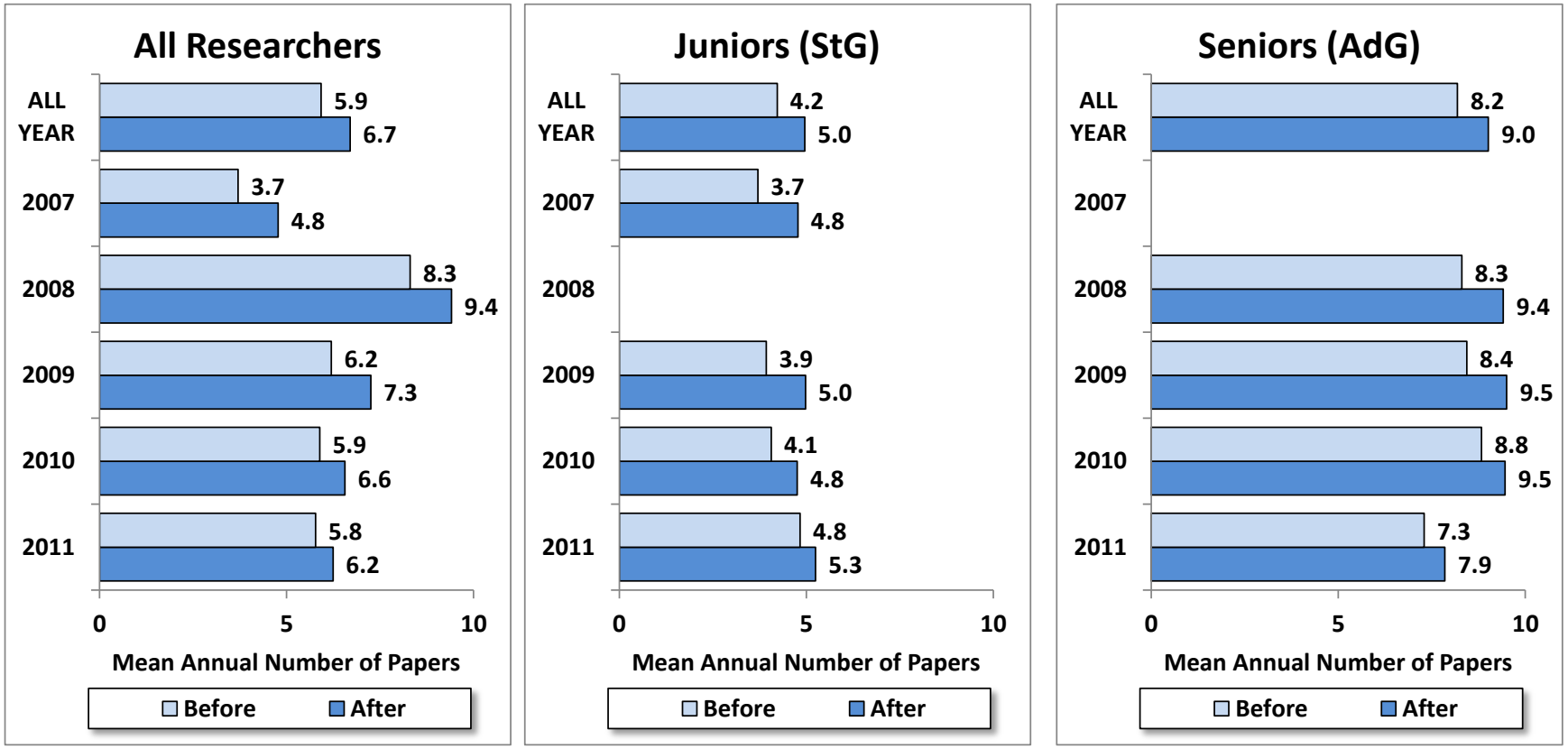
Funding Scheme	Submitted applications	Funded projects
Starting Grants	35,821	3,323
Consolidator Grants	8,252	987
Advanced Grants	16,996	2,178
Proof of Concept	1,232	387
Synergy Grants	1,159	24
All Grants	**63,460**	**6,899**

Scientific impact

- **Over 40,000 articles** acknowledging ERC support in international, peer reviewed journals to the end of 2015
- **7%** of these publications were in the **top 1%** most cited in their scientific field and year of publication
- 20% of completed LS and PE projects reported at least one patent (on average **2** patents reported per project)

Impact of ERC Funding
Publication activities

Mean Annual Number of Papers per ERC-Funded Researcher Before and After the Grant Start Year by Seniority and Competition Year

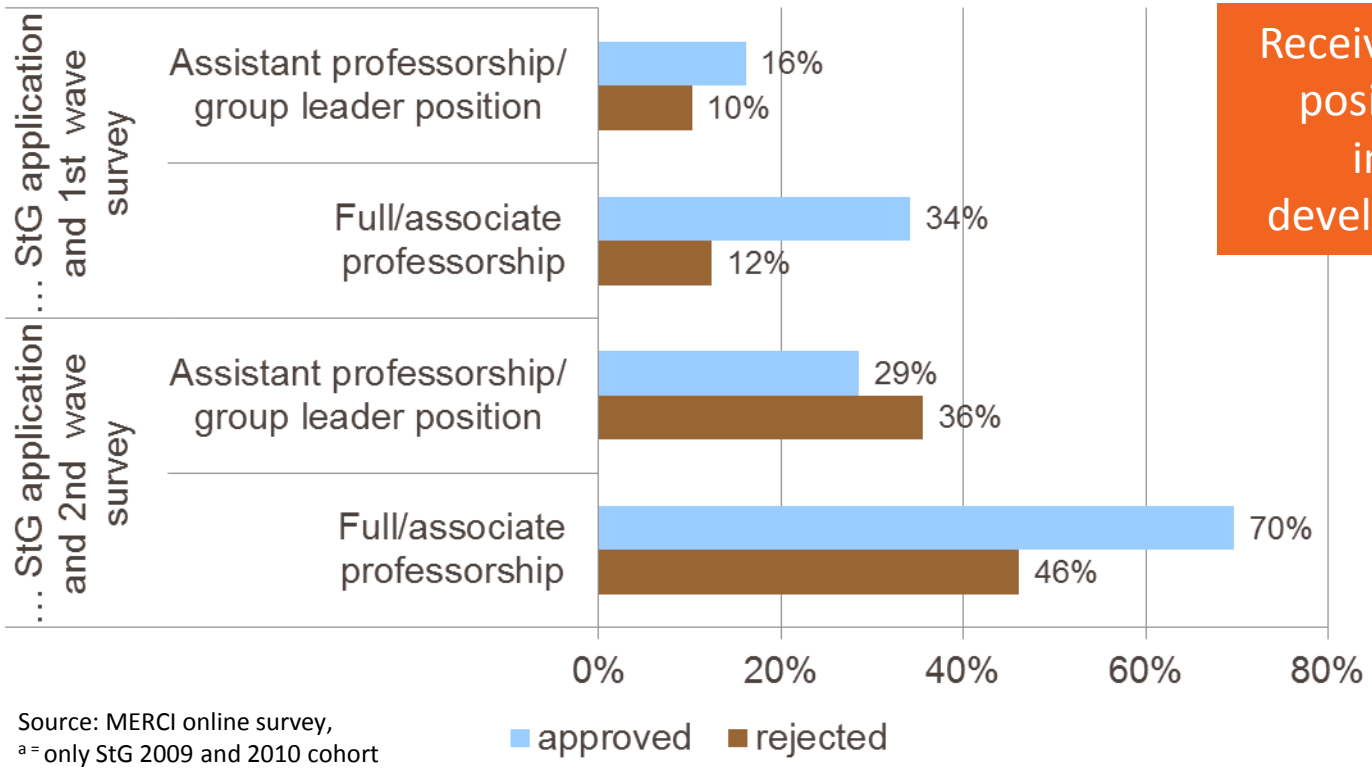


ERCEA study, 2015: Comparative scientometric assessment of the results of ERC funded projects.

Impact of ERC Funding

Career progress

Share of StG applicants promoted between different points of time



Receiving a StG has strong positive effects on the individual career development of postdocs

Substantial vertical mobility on the career ladder

Source: MERCI online survey,

[a] = only StG 2009 and 2010 cohort

[b] = reference is number of persons who did not hold full or associate professorship at beginning of considered time period

[c] = reference is number of persons who did not neither hold full/associate professorship nor assistant professorship/group leader position at beginning of considered time period

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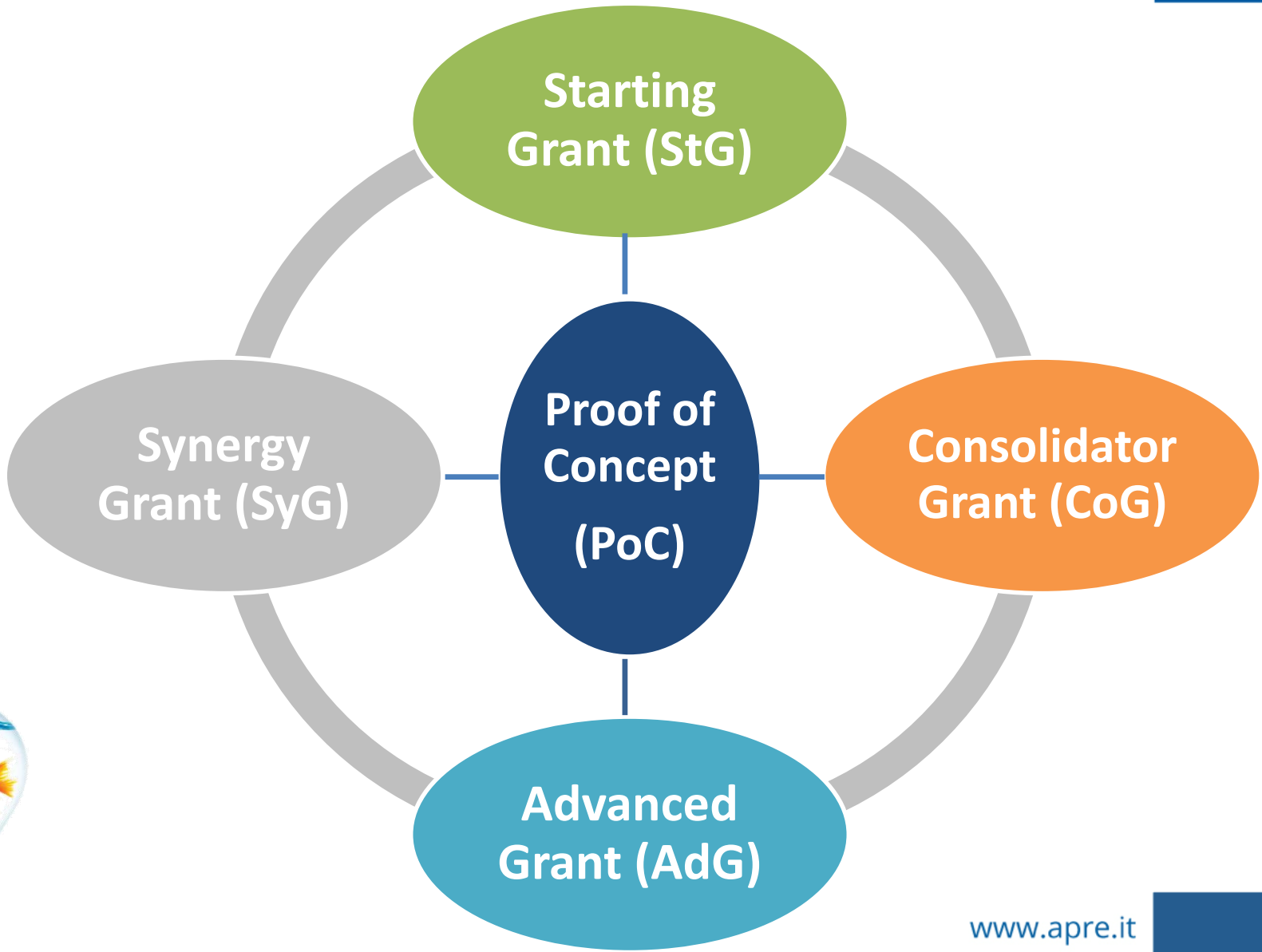
What do we offer?

- Work on a topic of own choice, with a team of own choice
- Gain true financial autonomy for 5 years
- Negotiate best work conditions with the host institution
- Attract top team members (EU & non-EU)
- Move with the grant to any place in Europe (portability of grants)
- Attract additional funding and gain recognition: ERC is a quality label

Features of ERC grants

- **No constraints on eligible costs** as long as they are for the execution of the project
- **High flexibility**: aims of the project can be modified through amendments to the grant agreement
- The PI should spend **50% in the EU or Associated Country**
- The PI should **dedicate 50% (StG), 40% (CoG) and 30% (AdG)** of his/her time to the project

FUNDING SCHEME



MAIN CALLS

Version of WP
ERC 2017

	Starting Grant	Consolidator Grant	Advanced Grant	Proof of Concept Grant
Call identifier	ERC-2017-StG	ERC-2017-CoG	ERC-2017-AdG	ERC-2017-PoC
Call Opens	19 July 2016	20 October 2016	16 May 2017	19 July 2016
Deadline	18 October 2016	9 February 2017	31 August 2017	19 January 2017 25 April 2017 5 September 2017
Budget million EUR (estimated number of grants)	605 (415)	575 (320)	567 (245)	20 (130)
Planned dates to inform applicants (after step 1 and step 2)	31 May 2017 6 September 2017	13 July 2017 6 December 2017	31 January 2018 9 April 2018	1 March 2017 28 June 2017 8 November 2017
Indicative date for signature of grant agreements				

ERC PROPOSALS: KEY ELEMENTS

Principal Investigator (PI)

- *Nationality, age or current place of work not relevant*

Host Institution (HI)

- *To be located in a EU Member State or Associated Country*

Individual research team

- *PI has freedom to choose team members*

ANY FIELD OF RESEARCH

- The ERC's frontier research grants operate on a '***bottom-up***' basis without predetermined priorities.

- It encourages proposals of an ***interdisciplinary nature*** which cross the boundaries between different fields of research, pioneering proposals addressing new and emerging fields of research or proposals introducing unconventional, innovative approaches and scientific inventions.

ERC Grants in Horizon 2020:
le principali novità WP 2017

Work Programme 2017

- Pubblicazione: 26 Luglio 2016 Tre call: STG – COG – ADG 2017
- Budget 1.750 milioni €

	Starting Grant	Consolidator Grant	Advanced Grant
Call identifier	ERC-2017-StG	ERC-2017-CoG	ERC-2017-AdG
Call Opens	26 July 2016	20 October 2016	16 May 2017
Deadline	18 October 2016	9 February 2017	31 August 2017
Budget million EUR (estimated grants)	605 (415)	575 (320)	570 (245)

WP 2017 main changes

European Research Council
Established by the European Commission

Frontier research grants

- To increase proportion of funding for StG to try to achieve more equal success rates between StG and CoG.

- For the first time under Horizon 2020, beneficiaries of ERC frontier research grants funded under WP 2017 will automatically be covered by the provisions on research data sharing as set out in Article 29.3 of the ERC Model Grant Agreement unless they specifically decide to opt-out.

WP 2017 main changes

European Research Council
Established by the European Commission

Frontier research grants

- Highlight need to take all measures to promote equal opportunities between men and women and aim for a gender balance of personnel assigned to the action.

- For maternity, the effective elapsed time since the award of the first PhD will be considered reduced by 18 months or if longer by the documented amount of leave actually taken for each child born before or after the PhD award.

Budget allocation

European Research Council
Established by the European Commission

One-third AdG/ two-thirds StG + CoG.
Target equal success rates for StG and CoG.

	StG				CoG				AdG			
	budget	apps	grants	success	budget	apps	grants	success	budget	apps	grants	success
2013	431m	3329	297	8,9%	573m	3673	318	8,7%	675m	2408	293	12,2%
2014	550m	3272	379	11,6%	714m	2514	397	15,8%	450m	2287	196	8,6%
2015	516m	2918	356	12,2%	591m	2051	302	14,7%	648m	1951	282	12,2%
2016	485m	2935	334	11,4%	605m	2304	336	14,6%	540m	2000	235	11,7%
2017	605m	3000	415	13,9%	575m	2300	320	13,9%	570m	2000	248	12,4%

Open Research Data

European Research Council
Established by the European Commission

Draft ERC Work Programme 2017

In addition, for the first time under Horizon 2020, beneficiaries of ERC frontier research grants funded under this Work Programme will automatically be covered by the provisions on research data sharing as set out in Article 29.3 of the ERC Model Grant Agreement unless they specifically decide to opt-out. Beneficiaries that do not opt-out should also ensure appropriate management (including preservation and curation) of the research data they generate in order to ensure its sustainability. These provisions are designed to facilitate access, re-use and preservation of research data generated during the ERC funded research work.

Beneficiaries should carefully check the additional obligations related to open research data contained in Article 29.3. They may opt-out of the provisions of the previous paragraph at any stage before or after the signature of the grant agreement, thereby freeing themselves from the associated obligations.

Change to the Budget table for AdG2016 (and foreseen for 2017 calls onwards)

In case you are requesting additional funding above the normal EUR 2 500 000, fully justify your request by filling in the table below.

Request for additional funding above EUR 2 500 000 for	Justification
Keep only that category(ies) that apply to the project. (a) covering eligible 'start-up' costs for a PI moving from another country to the EU or an Associated Country as a consequence of receiving an ERC grant and/or, (b) the purchase of major equipment and/or, (c) access to large facilities.	

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Who can apply?

- **Excellent** Researchers
- **Any nationality**, **any age** or any current place of work
- In conjunction with a Host Institution
  - Based in Europe
    EU or associated countries
  - At least 50% of the time spent in Europe

ANY AGE AND CAREER STAGE

- The ERC awards funding to **excellent investigators** looking to set up or consolidate their own independent research team.

PRINCIPAL INVESTIGATORS FROM ANYWHERE IN THE WORLD

- ERC grants are open to researchers of any nationality who may reside in any country in the world at the time of the application.

ERC PROPOSALS: PRINCIPAL INVESTIGATOR

Starting Grant

- *2-7 years post PhD;*
- *At least 1 relevant independent publication;*
- *Minimum commitment: 50%*

Consolidator Grant

- *7- 12 years post PhD;*
- *Several relevant independent publication (5);*
- *Minimum commitment: 40%*

Advanced Grant

- *Established scientist (more than 10 years experience);*
- *Noticeable CV (numbers depending on the field)*
- *Minimum commitment: 30%*

ERC PROPOSALS: PRINCIPAL INVESTIGATOR

Starting Grant

- ***2-7 years post PhD;***

prior to 1 January 2017

Cut-off dates:
PhD from 1 January 2010 to 1 January 2015 (inclusive)

Consolidator Grant

- ***7- 12 years post PhD;***

prior to 1 January 2017

Cut-off dates:
PhD awarded from 1 January 2005 to 31 December 2009 (inclusive)

Advanced Grant

- *none*

MEDICAL DOCTORS: STG E COG

Requisiti e calcolo eleggibilità:

- Laurea in medicina di base (MD) + PhD: conteggio canonico
- MD + “proof of appointment requiring PhD equivalence”: 4-9 anni post MD per StG, 9-14 anni post MD per CoG
- MD + “proof of appointment requiring PhD equivalence”+ PhD: 4-9 anni post MD per StG, 9-14 anni post MD per CoG

La specializzazione medica non vale come requisito per l’eleggibilità

ESTENSIONE ELEGGIBILITÀ

Prima, durante e dopo il PhD:

- Maternità (18 mesi per figlio – *come minimo*)
- Congedo paternità (tempo effettivo)

Dopo il PhD:

- Malattia (più di 90 giorni) del PI o dei membri della famiglia (child, spouse, parent or sibling).
- Servizio militare (tempo effettivo)
- Specializzazione medica (tempo effettivo)

"Proof of completion of clinical training will no longer make an MD applicant eligible. Clinical training will still count as reason for extension of the eligibility window when taking place after the eligibility date (date of MD award + 2 years or date of PhD award)."

ERC PROPOSALS: BUDGET

Starting Grant

- *2-7 years post PhD;*
- *At least 1 relevant independent publication;*
- *Minimum commitment: 50%*

Consolidator Grant

- *7- 12 years post PhD;*
- *Several relevant independent publication (5);*
- *Minimum commitment: 40%*

Advanced Grant

- *Established scientist (more than 10 years experience);*
- *Noticeable CV (numbers depending on the field)*
- *Minimum commitment: 30%*

Starting Grant

- *Up to 1,5 M€ for 5 years*

Consolidator Grant

- *Up to 2 M€ for 5 years*

Advanced Grant

- *Up to 2,5 M€ for 5 years*

ERC STARTING GRANT (STG)

STG: BUDGET E DURATA

Quant'è grande un progetto?

- ✓ Durata fino a 5 anni
- ✓ Finaziamento fino a 1,5M€ (pro rata)
- ✓ Max 2 M€ a progetto*

*In casi eccezionali e ben specificati: fino 2M€

- PI da Paese terzo e implementazione di una nuova attività di ricerca
- Acquisto di importante attrezzatura di ricerca
- Accesso a infrastrutture di ricerca

PRINCIPAL INVESTIGATOR (PI)

- ✓ Il PI non deve essere necessariamente "employed" o "strutturato" dall'Host Institution al momento della presentazione della proposta, ma impiegato/assunto ("engaged") dalla HI per tutta la durata del Grant

- ✓ Il PI deve dedicare al progetto una parte significativa del suo tempo: almeno il 50% working time ed almeno il 50% speso in MS o AC).

- ✓ Unico responsabile del progetto, sia per l'attività scientifica che per il management

PI STG: IL CANDIDATO COMPETITIVO

- Deve rientrare tra i 2 e i 7 anni post-doc
- Deve aver già dimostrato la capacità di ***svolgere la ricerca in modo indipendente***
- Avere una certa maturità nella ricerca: ***almeno una importante pubblicazione senza il PHD supervisor***
- Avere un ***"promettente" track record*** dei primi successi raggiunti nel proprio ambito di ricerca
- ***Pubblicazioni significative*** come main author nelle principali riviste internazionali
- ***Invited presentations*** in conferenze internazionali
- Brevetti, premi, concorsi

ERC Starting Grants

The applicant's profile

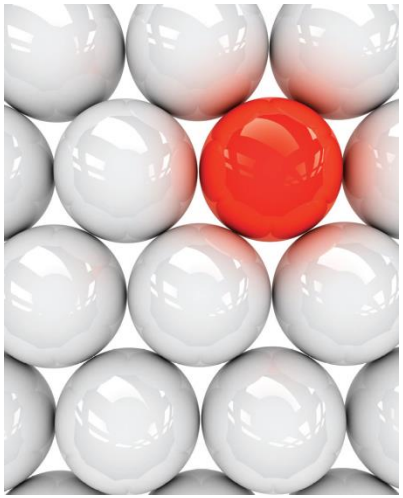
Potential to become a leader in the field

"Am I competitive enough?"

- **Potential** for research **independence**
- Able to develop ground-breaking idea, think out of the box
- Evidence of scientific maturity and **creativity**
- At least one publication without participation of PhD supervisor

Promising track-record of early achievements

- Significant publications, contribution to the field
- Invited presentations in conferences
- Funding, patents, awards, prizes



ERC Consolidator Grant (CoG)

CoG: budget e durata

Quant'è grande un progetto?

- ✓ Durata fino a 5 anni
- ✓ Finaziamento fino a 2 M€
- ✓ Max 2,75 M€ a progetto*

*In casi eccezionali e ben specificati: fino 2,75M€

- PI da Paese terzo
- Implementazione di una nuova attività di ricerca
- Acquisto di importante attrezzatura di ricerca/accesso a infrastrutture di ricerca

Principal Investigator

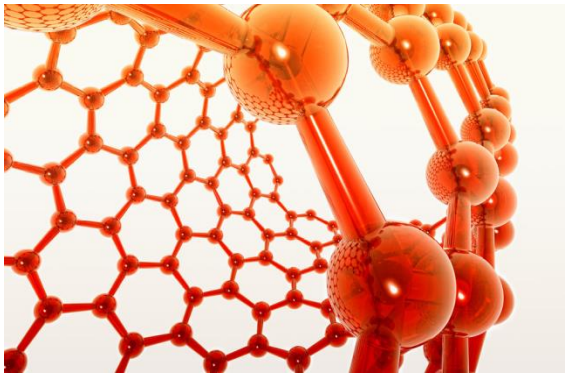
- ✓ Il PI non deve essere necessariamente "employed" o "strutturato" dall'Host Institution al momento della presentazione della proposta, ma impiegato/assunto ("engaged") dalla HI per tutta la durata del Grant

- ✓ Il PI deve dedicare al progetto una parte significativa del suo tempo: almeno il 40% workload

- ✓ Unico responsabile del progetto, sia per l'attività scientifica che per il management

PI CoG: il candidato competitivo

- ✓ Deve rientrare tra i 7 e i 12 anni post-doc
- ✓ Deve aver già dimostrato la capacità di ***svolgere la ricerca in modo indipendente***
- ✓ Avere grado avanzato di maturità nella ricerca: ***diverse importanti pubblicazioni senza il PHD supervisor***
- ✓ Avere un ***"promettente" track record*** dei primi successi raggiunti nel proprio ambito di ricerca
- ✓ ***Pubblicazioni significative*** come main author nelle principali riviste internazionali
- ✓ ***Invited presentations*** in conferenze internazionali
- ✓ Brevetti, premi, concorsi



ERC Advanced Grant (AdG)

AdG: budget e durata

Quant'è grande un progetto?

- ✓ Durata fino a 5 anni
- ✓ Finanziamento fino a 2,5M€
- ✓ Max. 3,5M€ a progetto*

*In casi eccezionali e ben specificati: fino a 3,5 M€

- PI da Paese terzo
- Acquisto di importante attrezzatura di ricerca
- GIUSTIFICAZIONE NEL TEMPLATE

Principal Investigator

- ✓ Il PI non deve essere necessariamente "employed" o "strutturato" dall'Host Institution al momento della presentazione della proposta, ma impiegato/assunto ("engaged") dalla HI per tutta la durata del Grant

- ✓ Il PI deve dedicare al progetto una parte significativa del suo tempo: almeno il 30% workload

- ✓ Unico responsabile del progetto, sia per l'attività scientifica che per il management

Principal Investigator: requisiti

- ✓ Almeno 10 pubblicazioni da autore senior nelle principali riviste scientifiche peer-reviewed del proprio settore
- ✓ Almeno 3 monografie (pref. una tradotta in un'altra lingua)

Altri elementi di valutazione:

- ✓ 5 brevetti
- ✓ 10 presentazioni da 'invited speaker/lecturer' in importanti conferenze/scuole avanzate internazionali
- ✓ 3 spedizioni condotte
- ✓ 3 conferenze internazionali organizzate / membro del comitato d'organizzazione o di indirizzo strategico
- ✓ Premi internazionali / membership accademie internazionali

Host Institution

HOST INSTITUTION

- Ente di ricerca, Università ma anche Industria
- Situato in un Paese Membro o Associato
- Risponde al criterio dell'eccellenza (ambiente di ricerca, capacità di management, contatti, know-how,..etc)

- Formalmente è il contraente con la CE
- Dovrà prendere un impegno formale nel concedere al ricercatore (PI) indipendenza nella gestione dei fondi per tutta la durata del progetto
- Accetta la "portabilità" del Grant
- Firma la letter of commitment

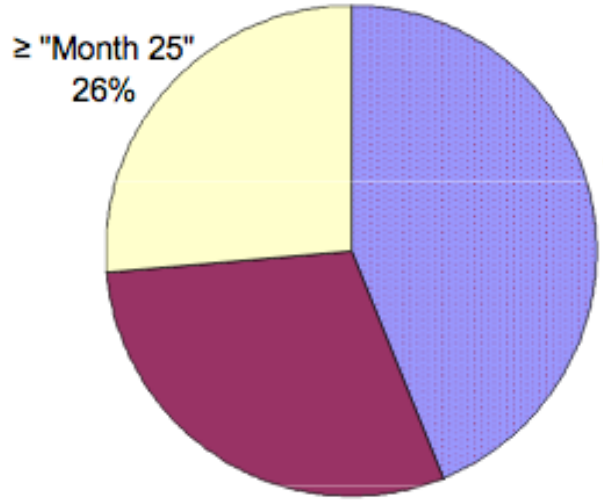
Portability – Change of HI (1)

- As indicated in Article II.3 of the *Annex II – General conditions*, the Principal Investigator has the possibility to **transfer the project to a new Host Institution**.

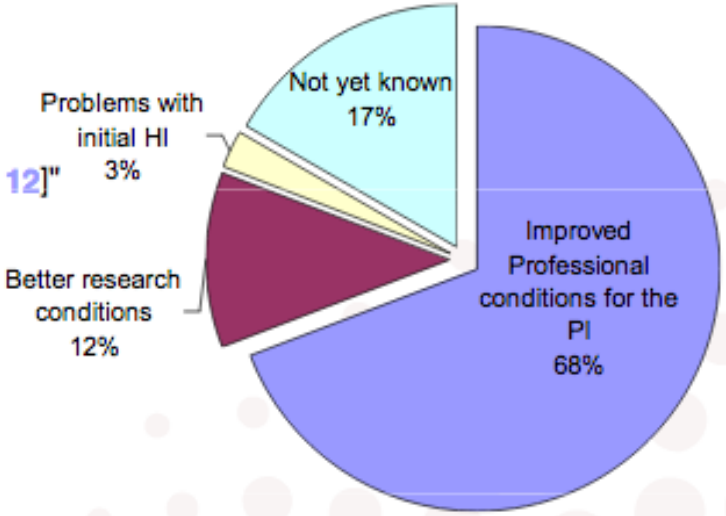
When does the move incur & reasons

When the move applies

(only applicable after the signature of the GA)



Reasons for requesting a change of HI



- **44%** - incurred within the 1st year of the project
- **74%** - incurred within the first 2 years of the project *(i.e. before mid-term)*

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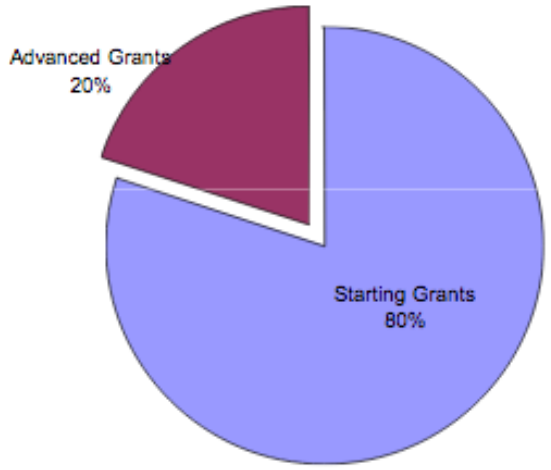
RINA

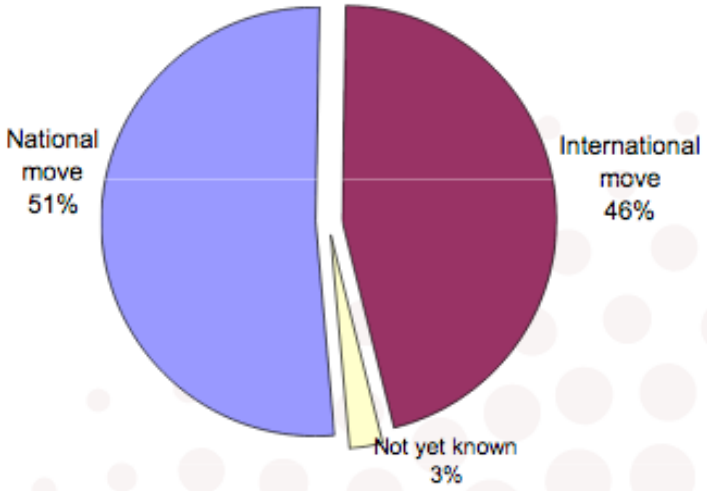
Type of grant & move

Type of GRANT



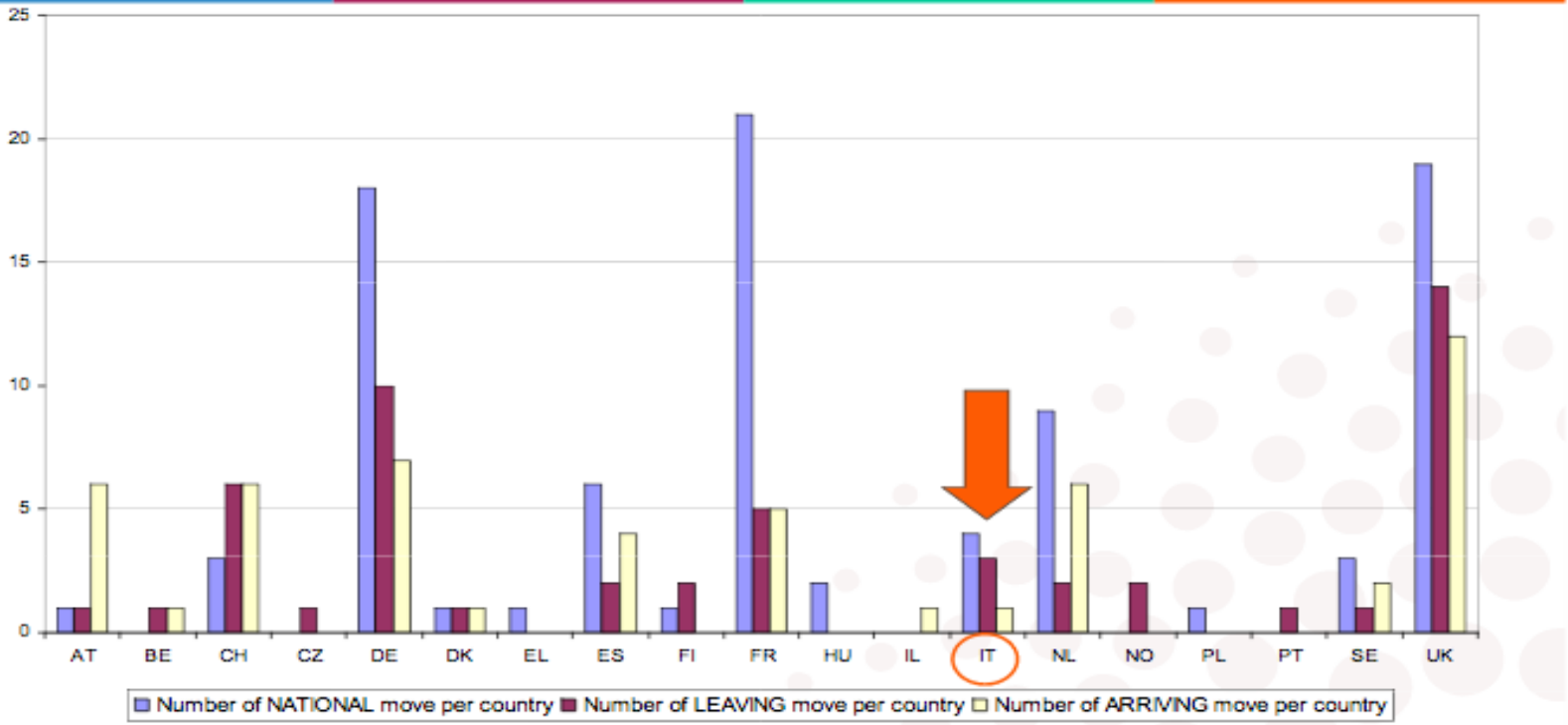
- Mainly requested in Starting Grants.

Type of MOVE

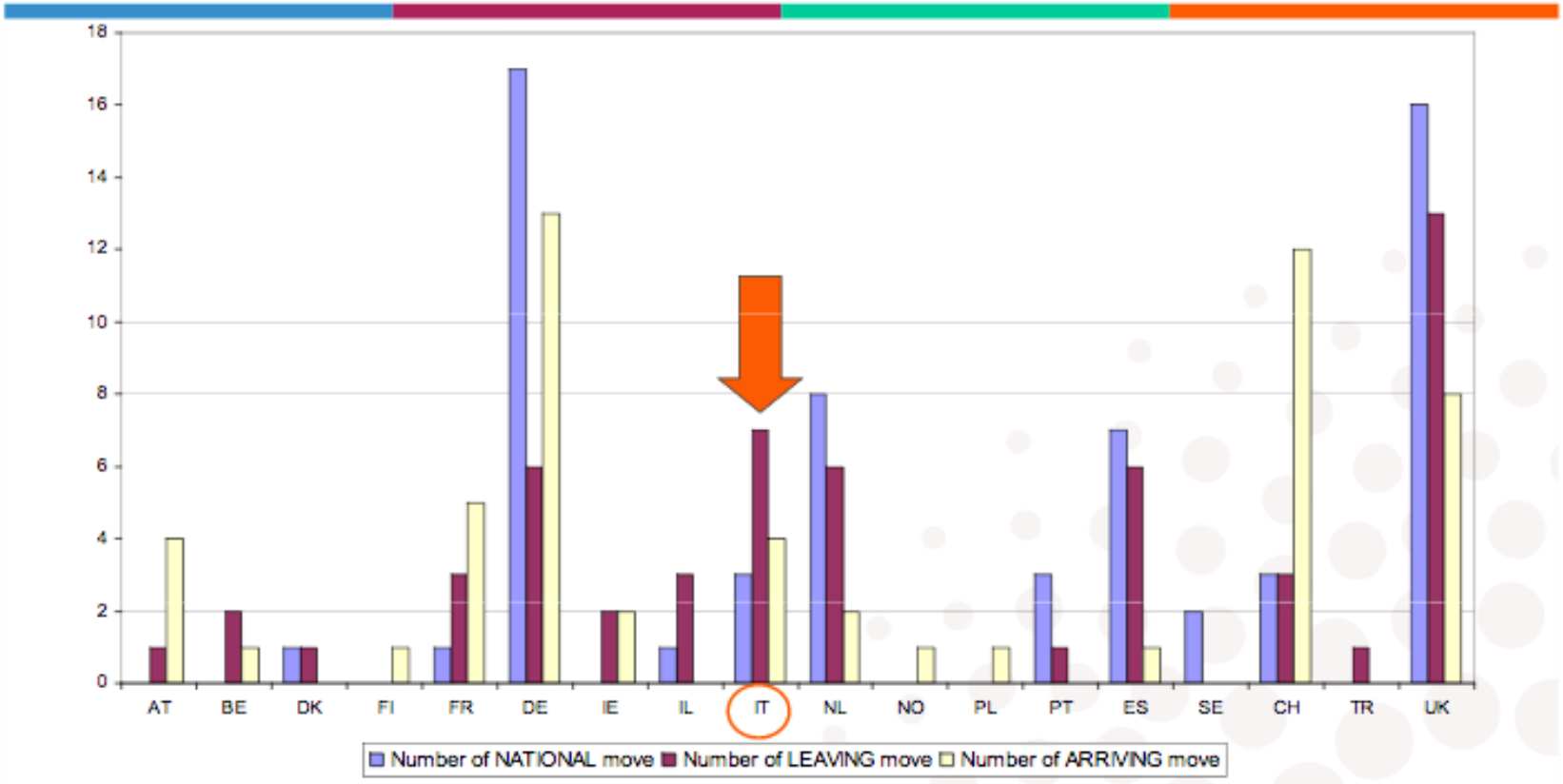


- Change of HI equally distributed between national and international moves.

Moves by country (BEFORE signature of GA)



Moves by country (AFTER signature of GA)



HOST INSTITUTION

Condizioni di indipendenza del PI: cosa sono?

- ✓ Applicare per il finanziamento in modo autonomo
- ✓ Gestire la ricerca e il finanziamento del progetto e prendere decisioni sull'allocazione delle risorse
- ✓ Pubblicare come senior author in modo indipendente e invitare come co-authors solamente coloro che hanno contribuito al lavoro
- ✓ Supervisionare i team members
- ✓ Avere accesso a spazi e facilities adeguati per portare avanti la ricerca

ADDITIONAL PARTICIPANT

In casi particolari, possono essere coinvolti nel progetto **altri istituti:**

- ✓ Partecipazione **motivata e giustificata**
- ✓ Costituiscono un **chiaro valore aggiunto** al progetto

Team di ricerca

TEAM DI RICERCA: CHI NE PUÒ FAR PARTE?

- ✓ Costituzione flessibile:,post-doc, graduate and PhD students, senior researchers. No limiti di età, nazionalità e paese di residenza (***no PhD supervisor nei team di StG e CoG***)
- ✓ Composizione nazionale o trans-nazionale: team members provenienti dal gruppo di ricerca del PI/stesso Ente, ma anche da altri Enti di differenti Paesi (additional participants -> eccezione)
- ✓ Per gli additional participants: valutazione caso per caso, partecipazione giustificata e essenziale in termini di competenze e capacità scientifiche

TEAM VS NETWORK

focus sul PI ⇨ no ‘network’ o ‘consorzi’!

partecipazione di altri enti se necessario per fini scientifici

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APRE
Agenzia per la Promozione della Ricerca Europea

PARTICIPANT PORTAL

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Business Support on Your Doorstep

RINA

http://ec.europa.eu/research/participants/portal/desktop/en/home.html

European Commission

RESEARCH & INNOVATION

Participant Portal

On this site you can find and secure **funding** for research & innovation projects under the following EU programmes:

- **2014-2020** Horizon 2020 - research and innovation framework programme
- **2007-2013** 7th research framework programme (FP7) and Competitiveness & Innovation Programme (CIP)

Non-registered users

- search for funding
- read the funding guide & download the legal documents
- check if an organisation is already registered
- contact our support services or check our FAQs

Registered users

- submit your proposal
- sign the grant
- manage your project throughout its lifecycle

WHAT'S NEW?

FUNDING OPPORTUNITIES

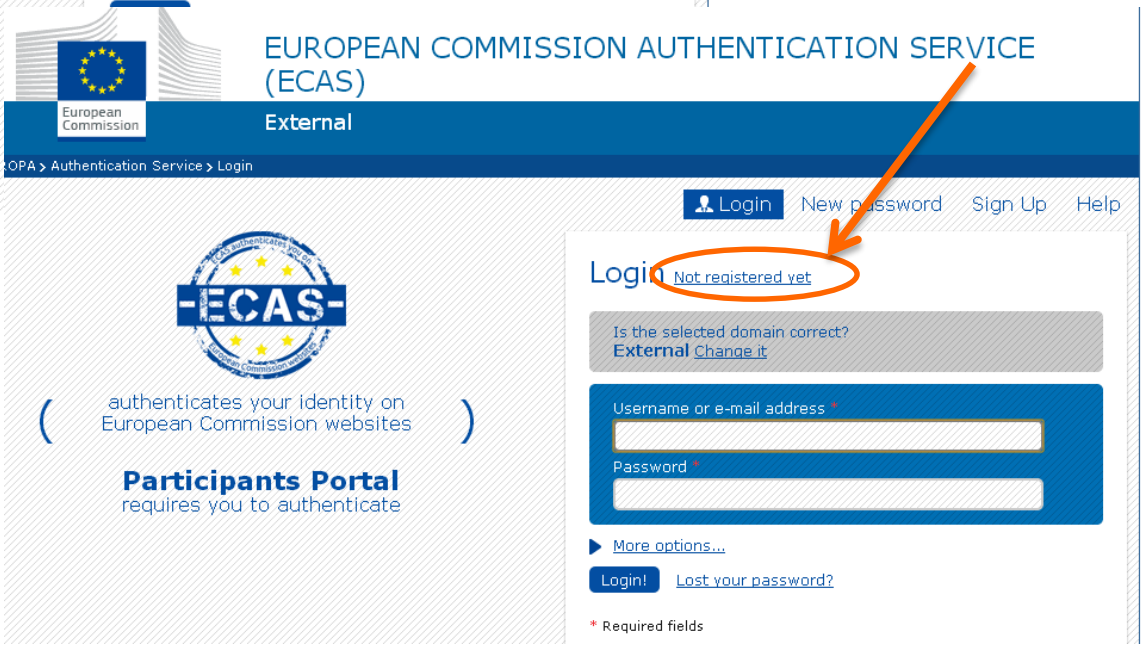
HOW TO PARTICIPATE

WORK AS AN EXPERT

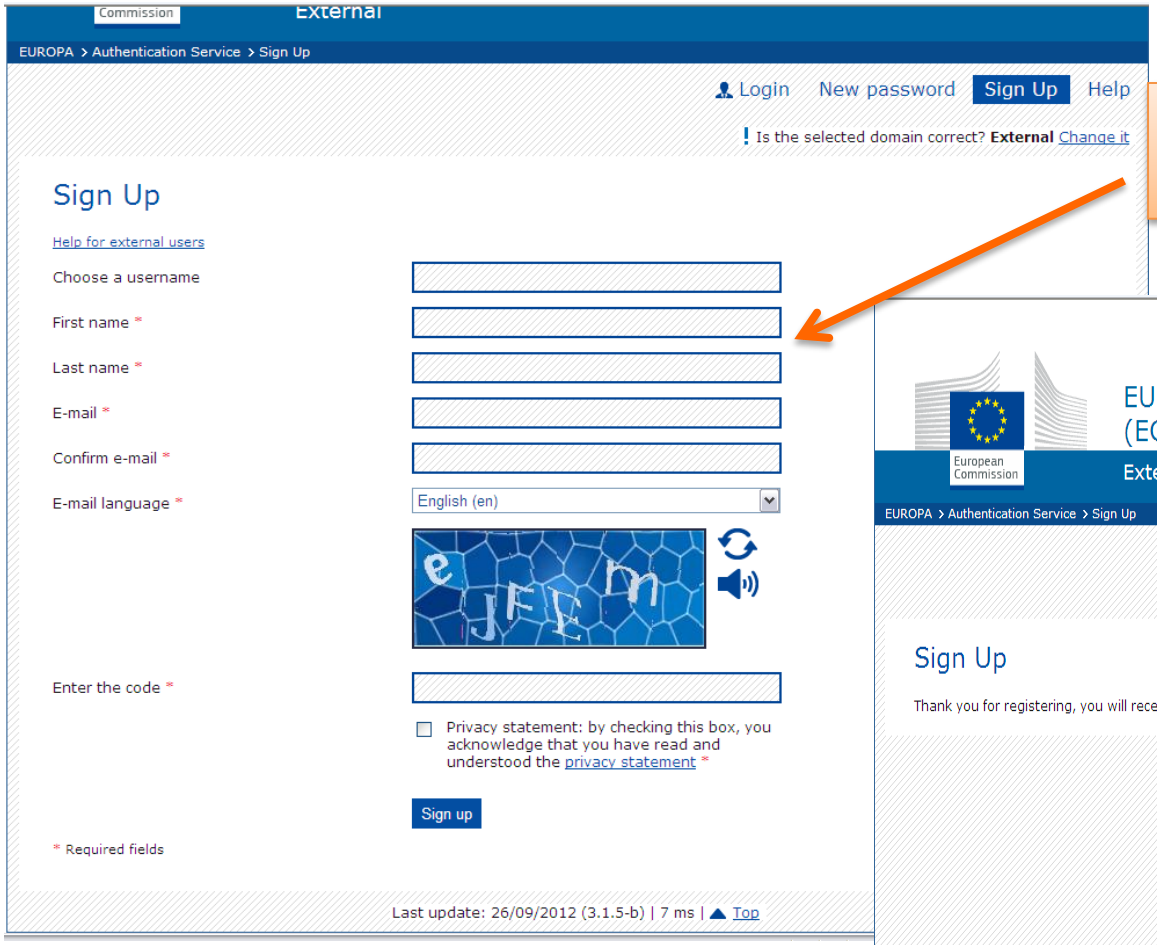
MY PERSONAL AREA

INFORMATION AND SUPPORT

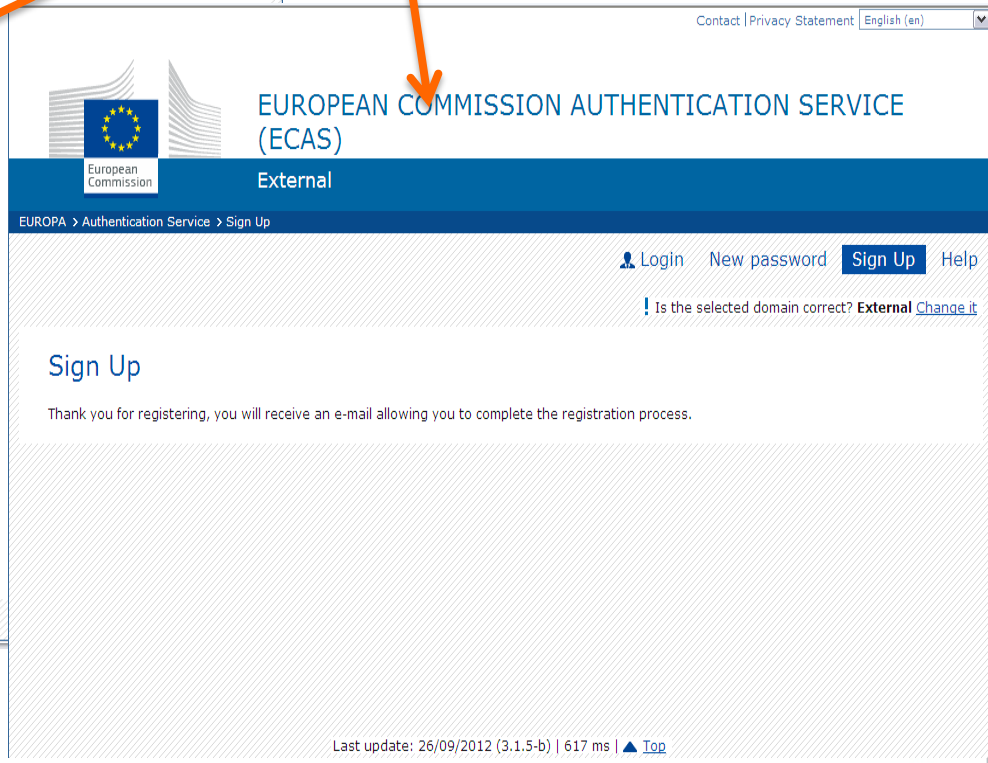
ECAS ACCOUNT



ECAS ACCOUNT



Processo di registrazione di un account ECAS



ECAS ACCOUNT

Dear ops OPS,

You have been registered in ECAS, the European Commission Authentication Service.

Your user name is **orpejigjmbp**.

To create your password, click:

this link

You have a maximum of 1h30, starting from the time that this message was sent, to create your password, but you are encouraged to do so immediately if possible. After this time, you can make another request by following the same link: you will then need to re-enter your username and confirm your request.

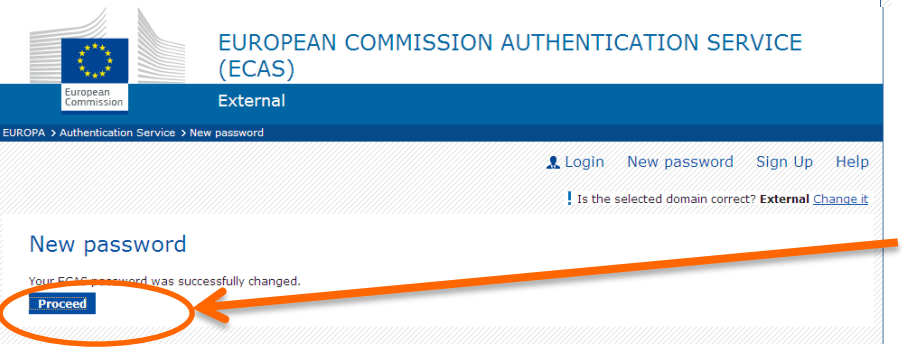
If the above link does not work, you can copy the following address (make sure the complete address is copied!) and paste it into your browser's address bar:
https://webgate.ec.europa.eu/cas/init/initialisePasswordLogin.cgi?wayf.domain=external&wayf.remember=checked&wayf.submit=Select&uid=nopsopop&resetCode=yXYwhuqlVpmMuA7ICd1qom8hinlQMbzl5fLC44RfhiL

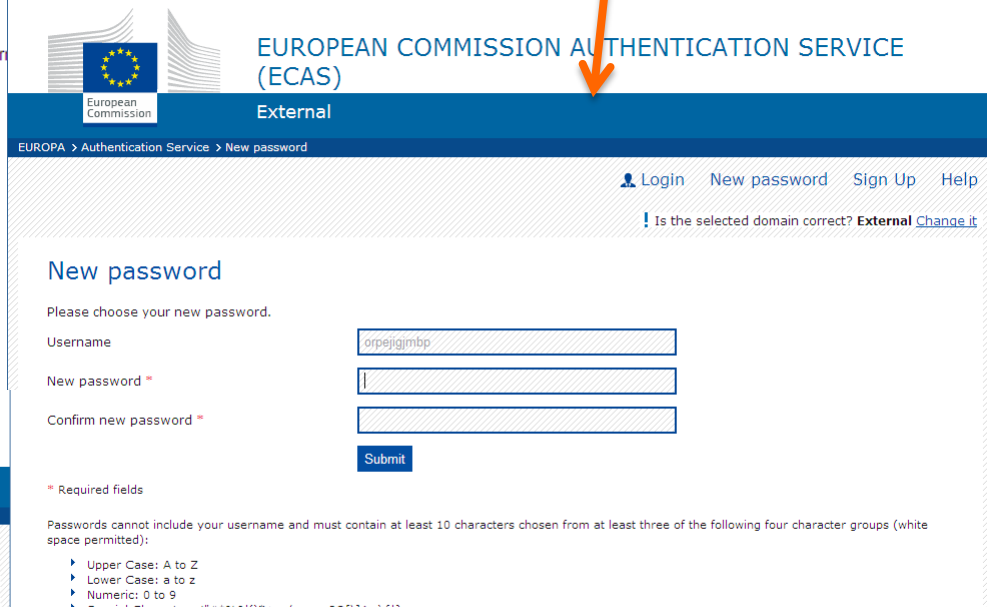
Whenever you login, please choose the domain "External", not "European Commission".

Instead of replying to this message, if you have a problem, please follow the help or contact infor

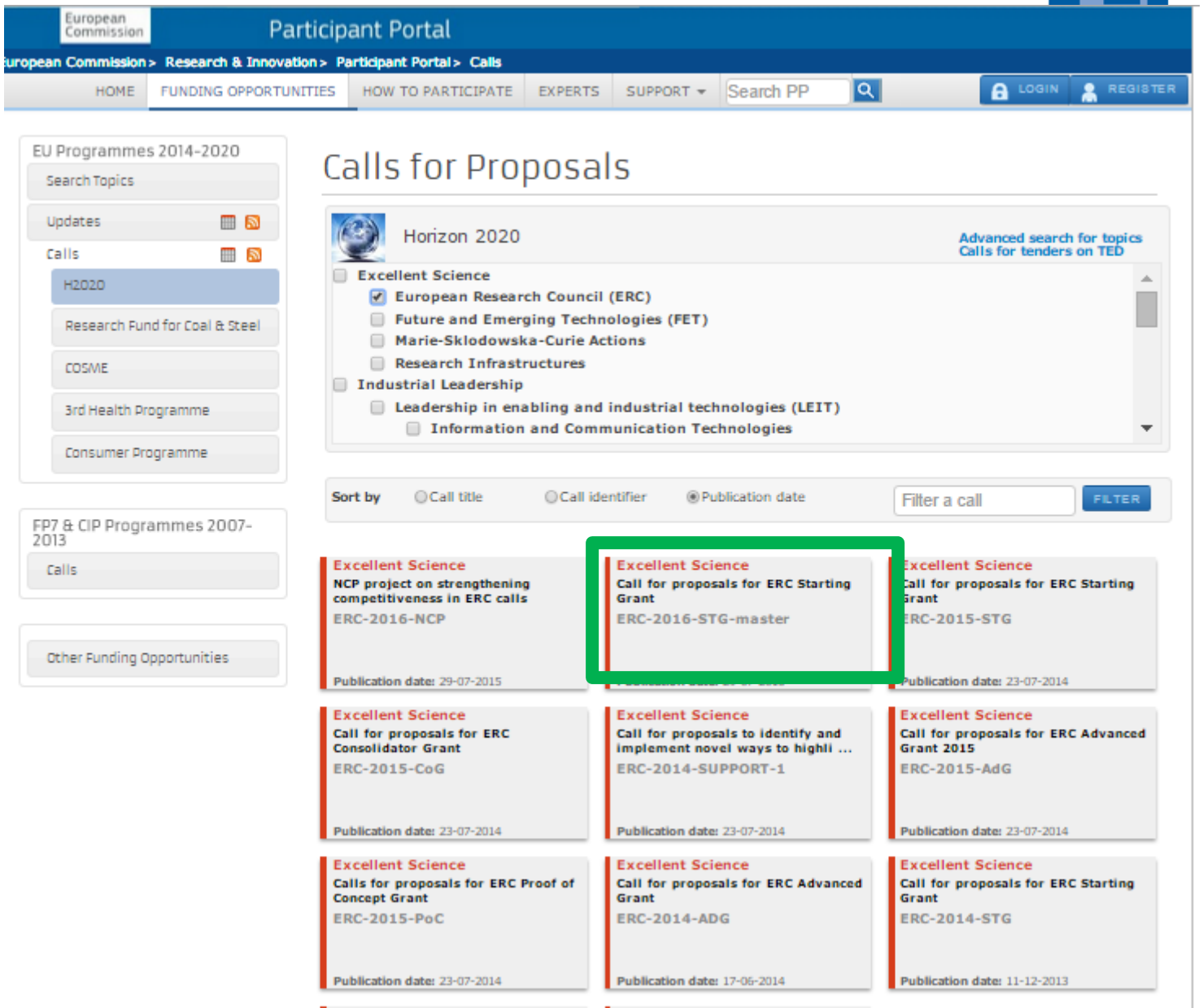
Sent to you by
ECAS - European Commission Authentication Service

Mail di conferma e scelta password





CREAZIONE PROPOSTA



icipants/portal/desktop/en/opportunities/h2020/calls/erc-2016-stg-master.html#c,topics=callIdentifier/s,

HOME | FUNDING OPPORTUNITIES | HOW TO PARTICIPATE | EXPERTS | SUPPORT | Search PP | LOGIN | REGISTER

EU Programmes 2014-2020
- Search Topics
- Updates
- Calls
  - H2020
  - Research Fund for Coal & Steel
  - COSME
  - 3rd Health Programme
  - Consumer Programme

FP7 & CIP Programmes 2007-2013
- Calls

Other Funding Opportunities

CALL: CALL FOR PROPOSALS FOR ERC STARTING GRANT
Call identifier: ERC-2016-STG-MASTER
Publication date: 29-07-2015 **OJ reference** OJ C 253 of 1 August 2015

Horizon 2020
> Excellent Science

H2020 website

Call summary + More

ERC Starting Grants are designed to support excellent Principal Investigators at the career stage at which they are starting their own independent research team or programme. This action is open to researchers of any nationality who intend to conduct their research activity in any Member State or Associated

Call updates + More

- **07-09-2015 14:10:29**

  Please note that the document 'Information for Applicants to the Starting and Consolidator

Topics and submission service

To access the **Submission Service**, please **select the TOPIC** of your interest and then open the Submission Service tab.
To access **existing draft proposals**, please login to the portal and select My Proposals from the My Area menu.

Status ☑ Forthcoming ☑ Open ☑ Closed

Sort by ◉ (Planned) opening date ○ Deadline ○ Topic title ○ Topic identifier

Topic: ERC-2016-STG:ERC Starting Grant — Open
Opening date: 29 July 2015
Publication:
Types of action: ERC-STG Starting Grant
Deadline model: single-stage
Deadline(s): 17 November 2015 17:00:00
Time Zone : (Brussels time)

enterprise europe network
RINA

cipants/portal/desktop/en/opportunities/h2020/topics/1135-erc-2016-stg.html

H2020
Research Fund for Coal & Steel
COSME
3rd Health Programme
Consumer Programme

FP7 & CIP Programmes 2007-2013
Calls

Other Funding Opportunities

Time Zone : (Brussels time)

Horizon 2020
> Excellent Science
Call : ERC-2016-STG-master

H2020 website

Topic Description + More

Scope:

Objectives

Topic conditions and documents + More

Please read carefully all provisions below before the preparation of your application (for more detailed information please refer to the Information for Applicants to the Starting and Consolidator Grant 2016 Calls and the Frequently Asked Questions -FAQs):

Submission Service

To access the Electronic Submission Service of the topic, please select the **type of action** that is most relevant to your proposal from the list below and click on the **'Start Submission'** button. You will then be asked to confirm your choice of the type of action, the topic for the call, as these cannot be changed subsequently in the submission system. Upon confirmation you will be linked to the correct entry point.

To access existing draft proposals for this topic, please login to the Participant Portal and select the My Proposals page of the My Area section.

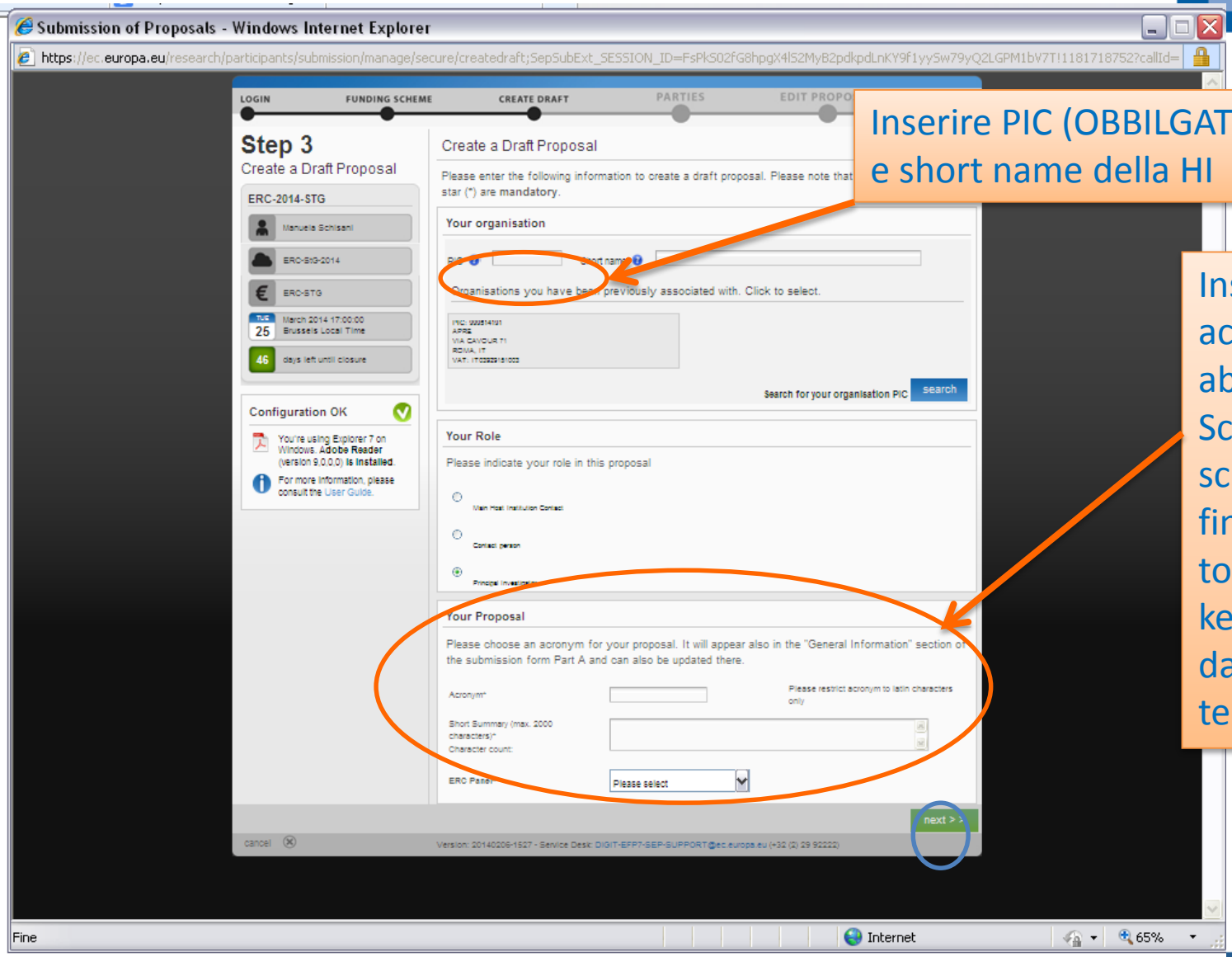
Type of Action	**Starting Grant [ERC-STG]**	START SUBMISSION
Topic	ERC Starting Grant - ERC-2016-STG	

Guidance on proposal submission: H2020 ONLINE MANUAL

IT Guidance: HOW TO

enterprise europe network
RINA

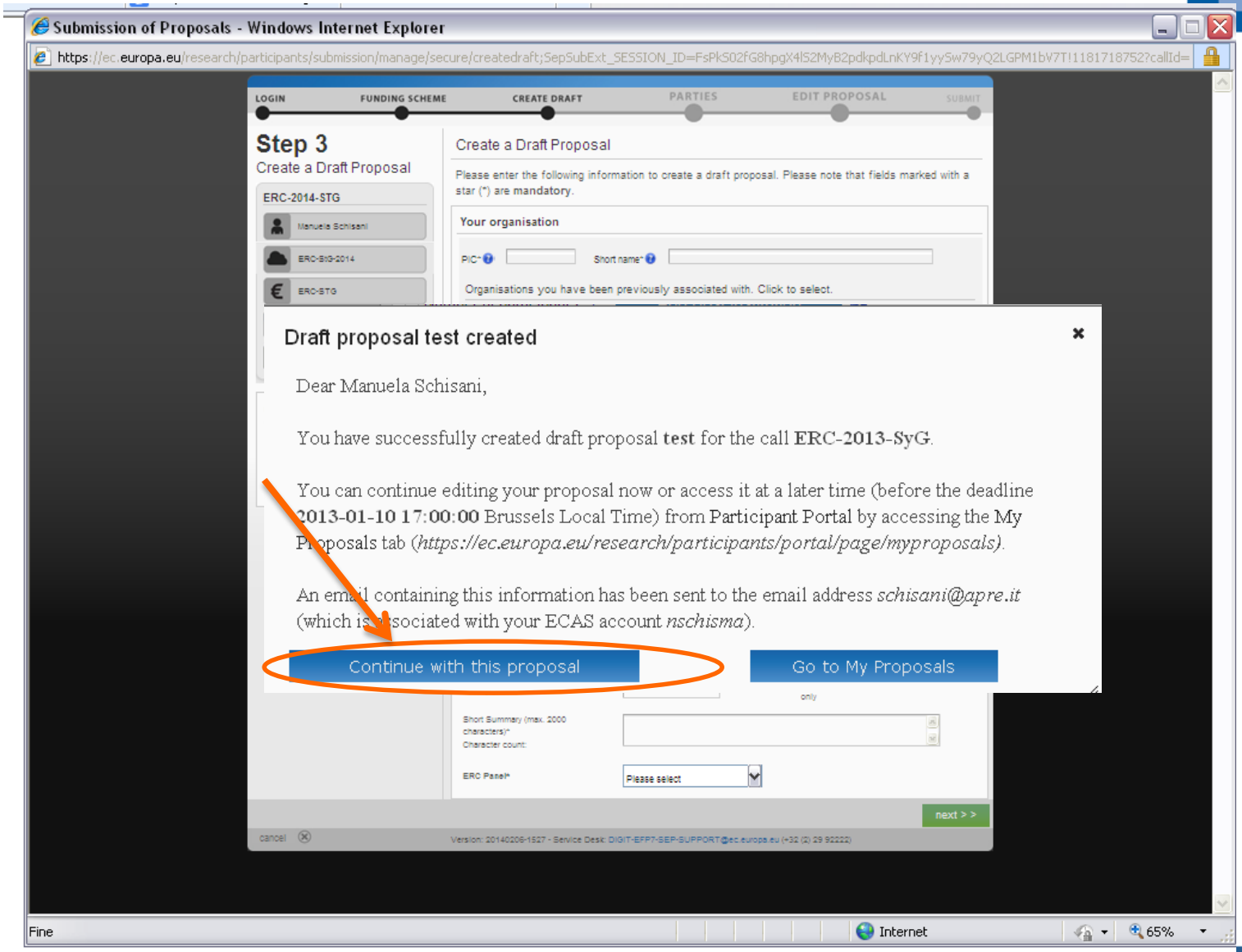
CREAZIONE PROPOSTA



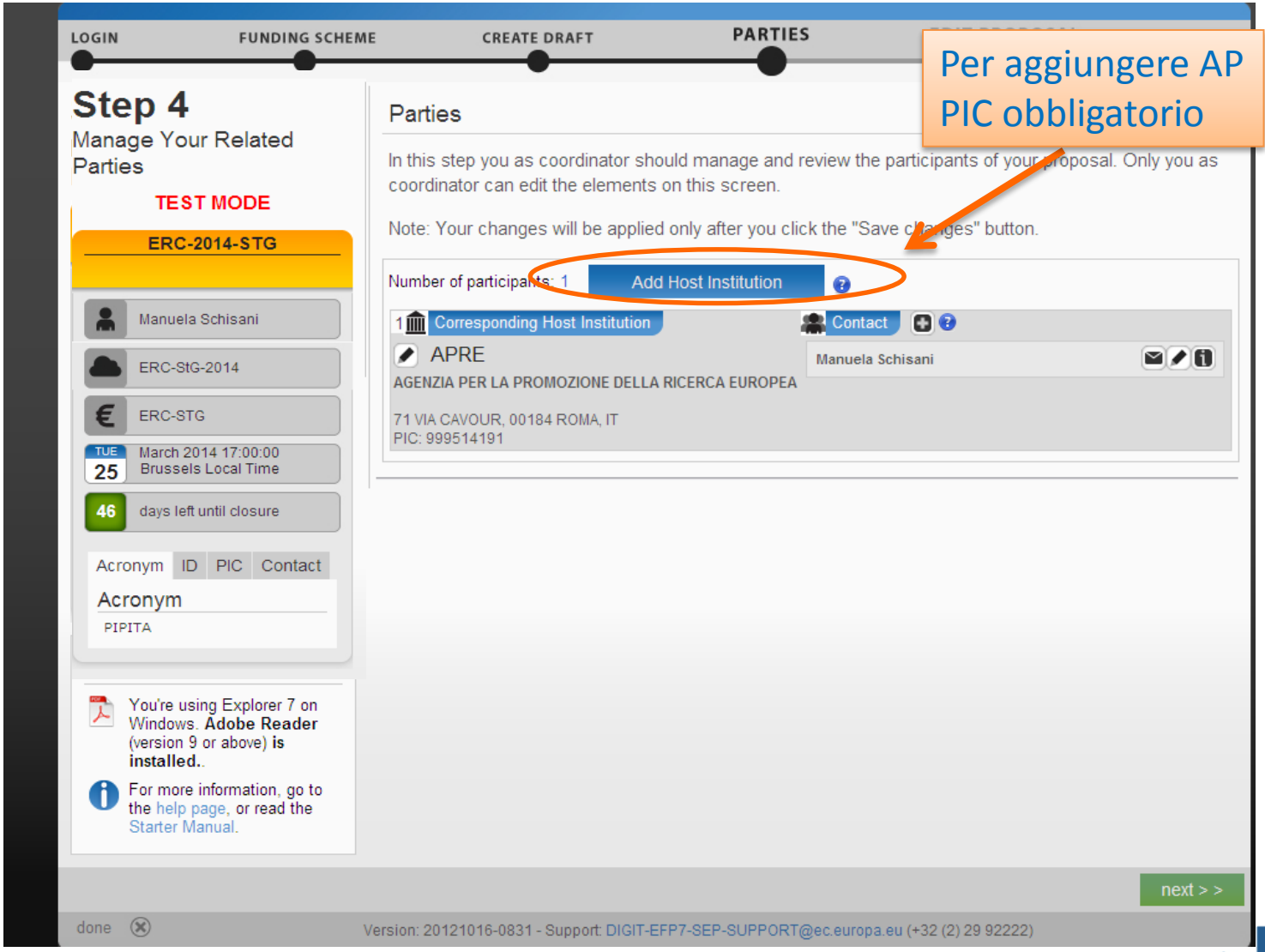
Inserire PIC (OBBILGATORIO!) e short name della HI

Inserire acronimo, abstract Scegliere schema di finanziamento e keywords dal menu a tendina

CREAZIONE PROPOSTA



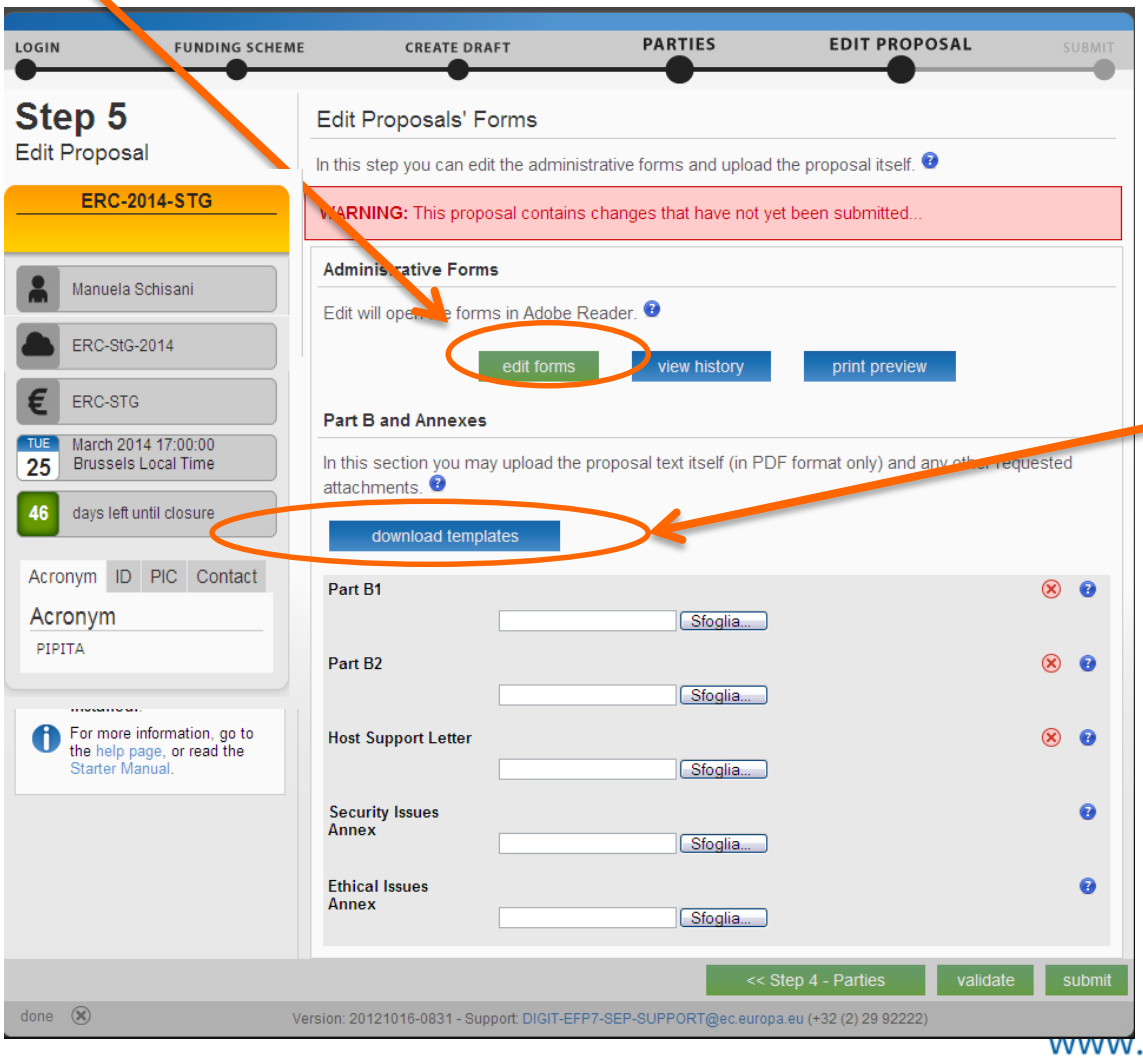
CREAZIONE PROPOSTA



Per aggiungere AP PIC obbligatorio

CREAZIONE PROPOSTA

Visualizzare e compilare Form A



MODULI: PRINCIPALI NOVITÀ (da FP7)

- Tabella del budget semplificata (Parte A and B)
- Funding ID – nuovo formato
- Modello standard CV
- Esclusione reviewers: senza motivazione
- Questionario etico online
- References oltre il limite delle pagine

LA PROPOSTA

PART A – online forms

A1 :Proposal and PI info

A2 :HI info

A3 : Budget

PART B1 – pdf

Extended Synopsis : 5 pp

CV :2 pp

Track Record : 2pp

PART B2 –pdf

Proposal: 15 pp

Annexes – pdf

Support letter HI

Annex Ethical Issues (if applicable)

IL TEMPLATE

PART A – online forms

A1 :Proposal and PI info

A2 :HI info

A3 : Budget

PART B1 – pdf

Extended Synopsis : 5 pp

CV :2 pp

Track Record : 2pp

PART B2 –pdf

Proposal: 15 pp

Annexes – pdf

Support letter HI

Annex Ethical Issues (if applicable)

ANNEX ETICO

PART A – online forms

A1 :Proposal and PI info

A2 :HI info

A3 : Budget

PART B1 – pdf

Extended Synopsis : 5 pp

CV :2 pp

Track Record : 2pp

PART B2 –pdf

Proposal: 15 pp

Annexes – pdf

Support letter HI

Annex Ethical Issues (if applicable)

VALUTAZIONE

VALUTAZIONE: PROGETTO

1. Research Project

Ground-breaking nature, ambition and feasibility

Starting, Consolidator and Advanced

Ground-breaking nature and potential impact of the research project

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 across disciplines)?

To what extent is the proposed research high risk/high gain?

Scientific Approach

To what extent is the outlined scientific approach feasible (based on the Extended Synopsis)?

To what extent is the proposed research methodology appropriate to achieve the goals of the project (based on the full Scientific Proposal)?

To what extent does the proposal involve the development of novel methodology (based on the full Scientific Proposal)?

To what extent are the proposed timescales and resources necessary and properly justified (based on the full Scientific Proposal)?

VALUTAZIONE: PI STG & COG

2. Principal Investigator Intellectual capacity, creativity and commitment

Starting and Consolidator
Intellectual capacity and creativity *To what extent has the PI demonstrated the ability to propose and conduct ground-breaking research?* *To what extent does the PI provide evidence of creative independent thinking?* *To what extent have the achievements of the PI typically gone beyond the state-of-the-art?*
Commitment *To what extent does the PI demonstrate the level of commitment to the project necessary for its execution and the willingness to devote a significant amount of time to the project (min 50% of the total working time on it and min 50% in an EU Member State or Associated Country) (based on the full Scientific Proposal).*

PANELS

25 Panels che coprono tutti i campi della scienza, dell'ingegneria e della ricerca

3 Domini:

- ✓Social Sciences and Humanities (6 Panels, SH1-SH6)
- ✓Physical Sciences and Engineering (10 Panels, PE1-PE10)
- ✓Life Sciences (9 Panels, LS1-LS9)

- ✓ Rilevanti per la presentazione del progetto
- ✓ Facilitano la valutazione

*Elenco dei Panels suddivisi per domini negli info. stg del Bando

PANELS

Pre allocazione del budget disponibile, per ogni call:

- ✓ Physical Science and engineering (44%)
- ✓ Life Sciences (39%)
- ✓ Social sciences and Humanities (17%)

Physical Sciences & Engineering

PE1 Mathematics
All areas of mathematics, pure and applied, plus mathematical foundations of computer science, mathematical physics and statistics.

PE2 Fundamental Constituents of Matter
Particle, nuclear, plasma, atomic, molecular, gas, and optical physics.

PE3 Condensed Matter Physics
Structure, electronic properties, fluids, nanosciences, biophysics.

PE4 Physical and Analytical Chemical Sciences
Analytical chemistry, chemical theory, physical chemistry/chemical physics.

PE5 Synthetic Chemistry and Materials
Materials synthesis, structure-properties relations, functional and advanced materials, molecular architecture, organic chemistry.

PE6 Computer Science and Informatics
Informatics and information systems, computer science, scientific computing, intelligent systems.

PE7 Systems and Communication Engineering
Electrical, electronic, communication, optical and systems engineering.

PE8 Products and Processes Engineering
Product design, process design and control, construction methods, civil engineering, energy processes, material engineering.

PE9 Universe Sciences
Astro-physics/chemistry/biology; solar system; stellar, galactic and extragalactic astronomy, planetary systems, cosmology, space science, instrumentation.

PE10 Earth System Science
Physical geography, geology, geophysics, atmospheric sciences, oceanography, climatology, cryology, ecology, global environmental change, biogeochemical cycles, natural resources management.

sical Sciences and Engineering

Mathematics: All areas of mathematics, pure and applied, plus mathematical foundations uter science, mathematical physics and statistics

PE1_1	Logic and foundations
PE1_2	Algebra
PE1_3	Number theory
PE1_4	Algebraic and complex geometry
PE1_5	Geometry
PE1_6	Topology
PE1_7	Lie groups, Lie algebras
PE1_8	Analysis
PE1_9	Operator algebras and functional analysis
PE1_10	ODE and dynamical systems
PE1_11	Theoretical aspects of partial differential equations
PE1_12	Mathematical physics
PE1_13	Probability
PE1_14	Statistics
PE1_15	Discrete mathematics and combinatorics
PE1_16	Mathematical aspects of computer science
PE1_17	Numerical analysis
PE1_18	Scientific computing and data processing
PE1_19	Control theory and optimisation
PE1_20	Application of mathematics in sciences
PE1_21	Application of mathematics in industry and society

Fundamental Constituents of Matter: Particle, nuclear, plasma, atomic, molecular, gas, ical physics

PE2_1	Fundamental interactions and fields
PE2_2	Particle physics
PE2_3	Nuclear physics
PE2_4	Nuclear astrophysics
PE2_5	Gas and plasma physics
PE2_6	Electromagnetism

Life Sciences

LS1 **Molecular and Structural Biology and Biochemistry**
Molecular synthesis, modification and interaction, biochemistry, biophysics, structural biology, metabolism, signal transduction.

LS2 **Genetics, Genomics, Bioinformatics and Systems Biology**
Molecular and population genetics, genomics, transcriptomics, proteomics, metabolomics, bioinformatics, computational biology, biostatistics, biological modelling and simulation, systems biology, genetic epidemiology.

LS3 **Cellular and Developmental Biology**
Cell biology, cell physiology, signal transduction, organogenesis, developmental genetics, pattern formation in plants and animals, stem cell biology.

LS4 **Physiology, Pathophysiology and Endocrinology**
Organ physiology, pathophysiology, endocrinology, metabolism, ageing, tumorigenesis, cardiovascular disease, metabolic syndrome.

LS5 **Neurosciences and Neural Disorders**
Neurobiology, neuroanatomy, neurophysiology, neurochemistry, neuropharmacology, neuroimaging, systems neuroscience, neurological and psychiatric disorders.

LS6 **Immunity and Infection**
The immune system and related disorders, infectious agents and diseases, prevention and treatment of infection.

LS7 **Diagnostic Tools, Therapies and Public Health**
Aetiology, diagnosis and treatment of disease, public health, epidemiology, pharmacology, clinical medicine, regenerative medicine, medical ethics.

LS8 **Evolutionary, Population and Environmental Biology**
Evolution, ecology, animal behaviour, population biology, biodiversity, biogeography, marine biology, eco-toxicology, microbial ecology.

LS9 **Applied Life Sciences and Non-Medical Biotechnology**
Applied plant and animal sciences, food sciences, forestry, industrial, environmental and non-medical biotechnologies, bioengineering, synthetic and chemical biology, biomimetics, bioremediation.

LS2 Genetics, Genomics, Bioinformatics and Systems Biology: Molecular and population genetics, genomics, transcriptomics, proteomics, metabolomics, bioinformatics, computational biology, biostatistics, biological modelling and simulation, systems biology, genetic epidemiology

LS2_1	Genomics, comparative genomics, functional genomics
LS2_2	Transcriptomics
LS2_3	Proteomics
LS2_4	Metabolomics
LS2_5	Glycomics
LS2_6	Molecular genetics, reverse genetics and RNAi
LS2_7	Quantitative genetics
LS2_8	Epigenetics and gene regulation
LS2_9	Genetic epidemiology
LS2_10	Bioinformatics
LS2_11	Computational biology
LS2_12	Biostatistics
LS2_13	Systems biology
LS2_14	Biological systems analysis, modelling and simulation

LS3 Cellular and Developmental Biology: Cell biology, cell physiology, signal transduction, organogenesis, developmental genetics, pattern formation in plants and animals, stem cell biology

LS3_1	Morphology and functional imaging of cells
LS3_2	Cell biology and molecular transport mechanisms
LS3_3	Cell cycle and division
LS3_4	Apoptosis
LS3_5	Cell differentiation, physiology and dynamics
LS3_6	Organelle biology
LS3_7	Cell signalling and cellular interactions
LS3_8	Signal transduction
LS3_9	Development, developmental genetics, pattern formation and embryology in animals
LS3_10	Development, developmental genetics, pattern formation and embryology in plants
LS3_11	Cell genetics
LS3_12	Stem cell biology

LS4 Physiology, Pathophysiology and Endocrinology: Organ physiology, pathophysiology, endocrinology, metabolism, ageing, tumorigenesis, cardiovascular disease, metabolic syndrome

LS4_1	Organ physiology and pathophysiology
LS4_2	Comparative physiology and pathophysiology
LS4_3	Endocrinology
LS4_4	Ageing
LS4_5	Metabolism, biological basis of metabolism related disorders
LS4_6	Cancer and its biological basis

Social Sciences & Humanities

SH1 Individuals, Markets and Organisations
Economics, finance and management.

SH2 Institutions, Values, Environment and Space
Political science, law, sustainability science, geography, regional studies and plannin

SH3 The Social World, Diversity, Population
Sociology, social psychology, demography, education, communication.

SH4 The Human Mind and Its Complexity
Cognitive science, psychology, linguistics, philosophy of mind.

SH5 Cultures and Cultural Production
Literature, philology, cultural studies, anthropology, study of the arts, philosophy.

SH6 The Study of the Human Past
Archaeology and history.

Social Sciences and Humanities

SH1 Individuals, Markets and Organisations: Economics, finance and management

SH1_1	Macroeconomics; monetary economics; economic growth
SH1_2	International trade; international business; international management; spatial economics
SH1_3	Development economics, health economics, education economics
SH1_4	Financial economics; banking; corporate finance; international finance; accounting; auditing; insurance
SH1_5	Labour and demographic economics; human resource management
SH1_6	Econometrics; operations research
SH1_7	Behavioural economics; experimental economics; neuro-economics
SH1_8	Microeconomics; game theory
SH1_9	Industrial organisation; strategy; entrepreneurship
SH1_10	Management; marketing; organisational behaviour; operations management
SH1_11	Technological change, innovation, research & development
SH1_12	Agricultural economics; energy economics; environmental economics
SH1_13	Public economics; political economics; law and economics
SH1_14	Quantitative economic history; institutional economics; economic systems

SH2 Institutions, Values, Environment and Space: Political science, law, sustainability science, geography, regional studies and planning

SH2_1	Political systems, governance
SH2_2	Democratisation and social movements
SH2_3	Conflict resolution, war
SH2_4	Legal studies, constitutions, human rights, comparative law
SH2_5	International relations, global and transnational governance
SH2_6	Sustainability sciences, environment and resources
SH6_7	Environmental and climate change, societal impact and policy
SH2_8	Energy, transportation and mobility
SH2_9	Urban, regional and rural studies
SH2_10	Land use and regional planning
SH2_11	Human, economic and social geography
SH2_12	GIS, spatial analysis; big data in political, geographical and legal studies

SH3 The Social World, Diversity, Population: Sociology, social psychology, demography, education, communication

SH3_1	Social structure, social mobility
SH3_2	Inequalities, discrimination, prejudice, aggression and violence, antisocial behaviour
SH3_3	Social integration, exclusion, prosocial behaviour

COMPOSITION OF THE PANELS

Each ERC panel consists of a chairman and 10-16 members. The Panel Chair and the Panel Members are selected by the ERC Scientific Council on the basis of their scientific reputation.

http://erc.europa.eu/evaluation-panels

VALUTAZIONE

Step1 - valutazione della sezione B1

- ✓ **A**: qualità sufficiente per passare allo step 2
- ✓ **B**: buona qualità, ma non sufficiente
- ✓ **C**: qualità non sufficiente

Interview (solo per StG e CoG)

Step 2 - valutazione dell'intera proposta (B1 e B2):

- ✓ **A**: finanziabile (a seconda del budget disponibile)
- ✓ **B**: non finanziabile

EVALUATION PROCEDURES: STG, COG, ADG

Step 1
- B1 form

Interview
- Only for StG & CoG

Step 2
- B1 e B2

Evaluation Criteria

RESTRICTIONS OF SUBMISSION

- A Principal Investigator **may submit proposals to different ERC frontier research grant** calls made under the same Work Programme, **but only the first eligible proposal will be evaluated.**
- A Principal Investigator whose proposal was evaluated as category **A** in the Starting, Consolidator or Advanced Grant calls for proposals **under Work Programme 2015** **may submit** a proposal to the Starting, Consolidator or Advanced Grant calls for proposals made **under Work Programme 2016.**
- A Principal Investigator whose proposal was evaluated as category **B at step 2** in the Starting, Consolidator or Advanced Grant calls for proposals under **Work Programme 2015** **may submit** a proposal to the Starting, Consolidator or Advanced Grant calls for proposals made under **Work Programme 2016**.

RESTRICTIONS OF SUBMISSION

- A Principal Investigator whose proposal was evaluated as category **B at step 1** in the Starting, Consolidator or Advanced Grant calls for proposals under **Work Programme 2015** **may not** submit a proposal to the Starting, Consolidator or Advanced Grant calls for proposals made under Work Programme 2016.
- A Principal Investigator whose proposal was evaluated as category **C** in the Starting, Consolidator or Advanced Grant calls for proposals under **Work Programmes 2014 or 2015** **may not s**ubmit a proposal to the Starting, Consolidator or Advanced Grant calls for proposals made under **Work Programme 2016**.

RESTRICTIONS OF SUBMISSION

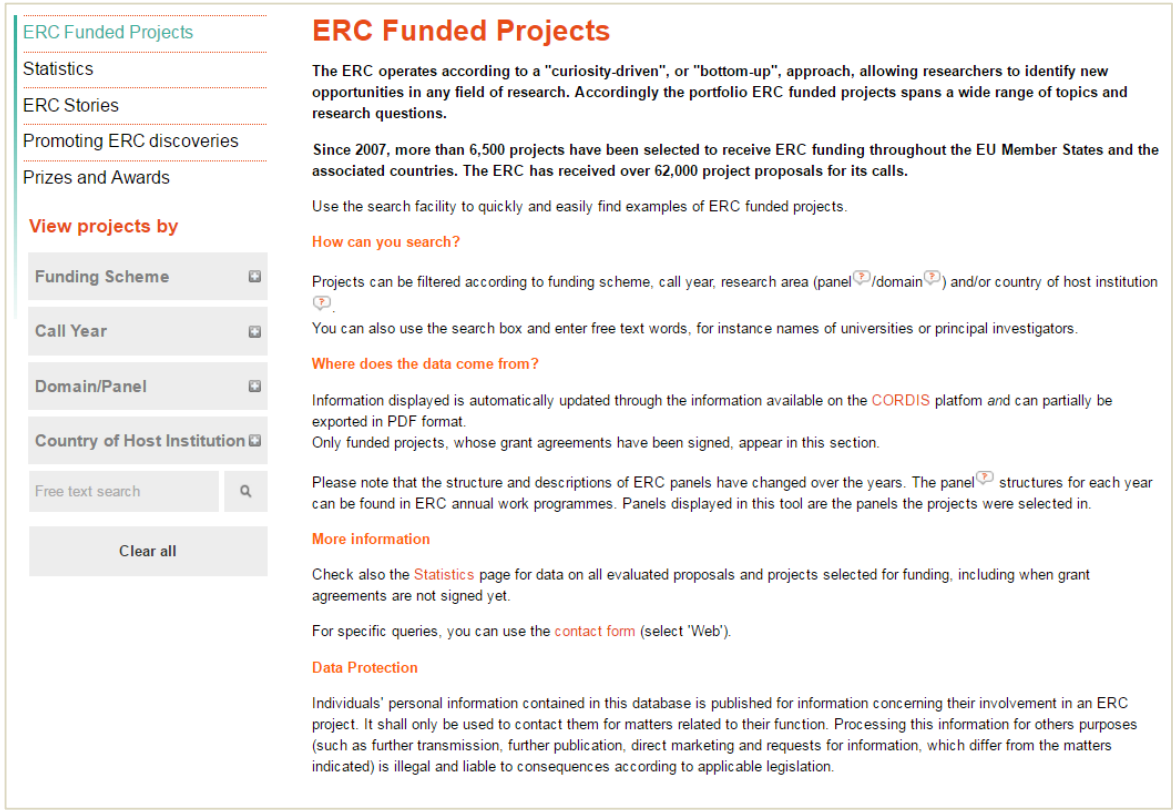
- A Principal Investigator whose proposal was rejected on the grounds of a **breach of research integrity** in the calls for proposals under Work Programmes 2014 or 2015 **may not submit** a proposal to the calls for proposals made under Work Programme 2016.
- A researcher may participate as Principal Investigator or Co-Investigator in only one ERC frontier research project at any one time.

Outline

- What have we achieved
- What do we offer
- Who can apply
- How to apply
- **Some useful tools**

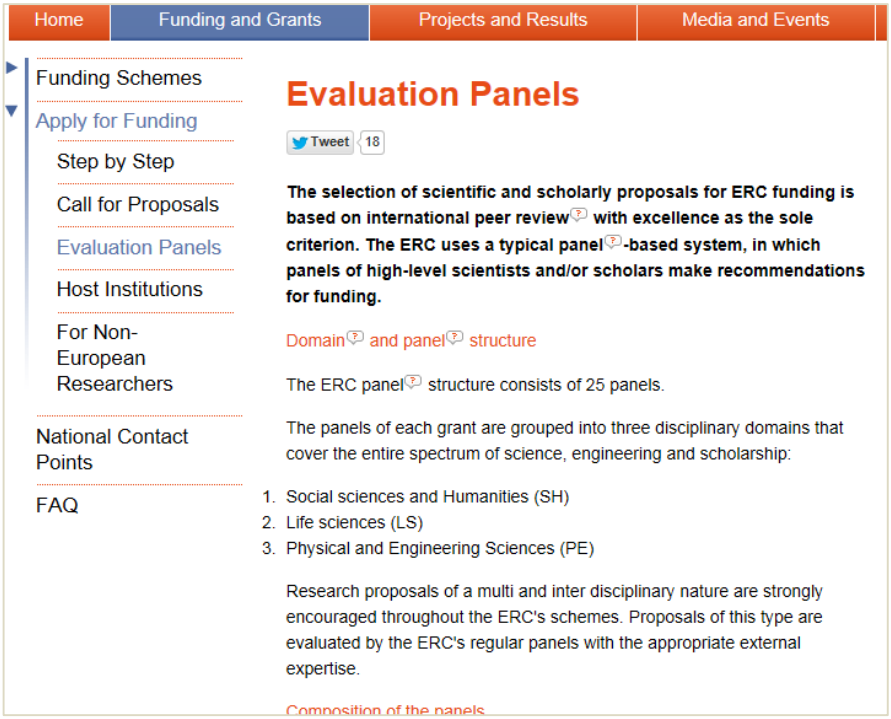
Browse ERC projects

- **Searchable** repository of ERC signed projects
- Menu allows searching by
  - Funding Scheme
  - Call Year
  - Domain/panel
  - Country of Host Institution



erc.europa.eu/projects-and-results/erc-funded-projects

Evaluation panels



Home | Funding and Grants | Projects and Results | Media and Events

- Funding Schemes
- Apply for Funding
  - Step by Step
  - Call for Proposals
  - Evaluation Panels
  - Host Institutions
  - For Non-European Researchers
- National Contact Points
- FAQ

Evaluation Panels

Tweet 18

The selection of scientific and scholarly proposals for ERC funding is based on international peer review with excellence as the sole criterion. The ERC uses a typical panel-based system, in which panels of high-level scientists and/or scholars make recommendations for funding.

Domain and panel structure

The ERC panel structure consists of 25 panels.

The panels of each grant are grouped into three disciplinary domains that cover the entire spectrum of science, engineering and scholarship:

1. Social sciences and Humanities (SH)
2. Life sciences (LS)
3. Physical and Engineering Sciences (PE)

Research proposals of a multi and inter disciplinary nature are strongly encouraged throughout the ERC's schemes. Proposals of this type are evaluated by the ERC's regular panels with the appropriate external expertise.

Composition of the panels

erc.europa.eu/funding-and-grants/apply-funding/panels

Panel Chairs and Panel Members from the ERC Starting Grant 2015+2016 calls

ERC-2016-StG	Panel Chairs
ERC-2015-StG	Panel Chairs Panel Members

Panel Chairs and Panel Members from the ERC Consolidator Grant 2015+2016 calls

ERC-2016-CoG	Panel Chairs
ERC-2015-CoG	Panel Chairs Panel Members

Panel Chairs from the ERC Advanced Grant 2015+2016 call

ERC-2016-AdG	Panel Chairs
ERC-2015-AdG	Panel Chairs Panel Members

Panel Members from the ERC Proof of Concept 2015 call

ERC-2015-PoC	Panel Members

Panel lists of calls from previous years are in the Document Library, under **Info for Applicants/Evaluation panels**

More information

- ERC website: erc.europa.eu
- National Contact Point: www.apre.it
- Sign up for news alerts: erc.europa.eu/keep-updated-erc
- Follow us on

www.facebook.com/EuropeanResearchCouncil

twitter.com/ERC_Research

www.linkedin.com/company/european-research-council

I TUOI NATIONAL CONTACT POINT

Informazione e assistenza dall'idea all'implementazione del progetto

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