# European Research Council & Marie Skłodowska-Curie Actions (MSCA)

## Infoday
## Le Call 2015 di HORIZON 2020

*INFN – Sede di Napoli*
*03.03.2015*

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*__Consorzio Technapoli/Apre Campania__*
*Parco Scientifico e Tecnologico dell'area metropolitana di Napoli e Caserta*

## Excellent Science

- **European Research Council**
  - Frontier research by the best individual teams

- **Future and Emerging Technologies**
  - Collaborative research to open new fields of innovation

- **Marie Skłodowska Curie actions**
  - Opportunities for training and career development

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

## Industrial Technologies

- Leadership in enabling and industrial technologies
  - ICT, nanotechnologies, materials, biotechnology, manufacturing, space

- Access to risk finance
  - Leveraging private finance and venture capital for research and innovation

- Innovation in SMEs
  - Fostering all forms of innovation in all types of SMEs

## Societal Challenges

- Health, demographic change and wellbeing

- Food security, sustainable agriculture, marine and maritime research & the bioeconomy

- Secure, clean and efficient energy

- Smart, green and integrated transport

- Climate action, resource efficiency and raw materials

- Inclusive, innovative and reflective societies

- Security society

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European Institute of Innovation and Technology (EIT)
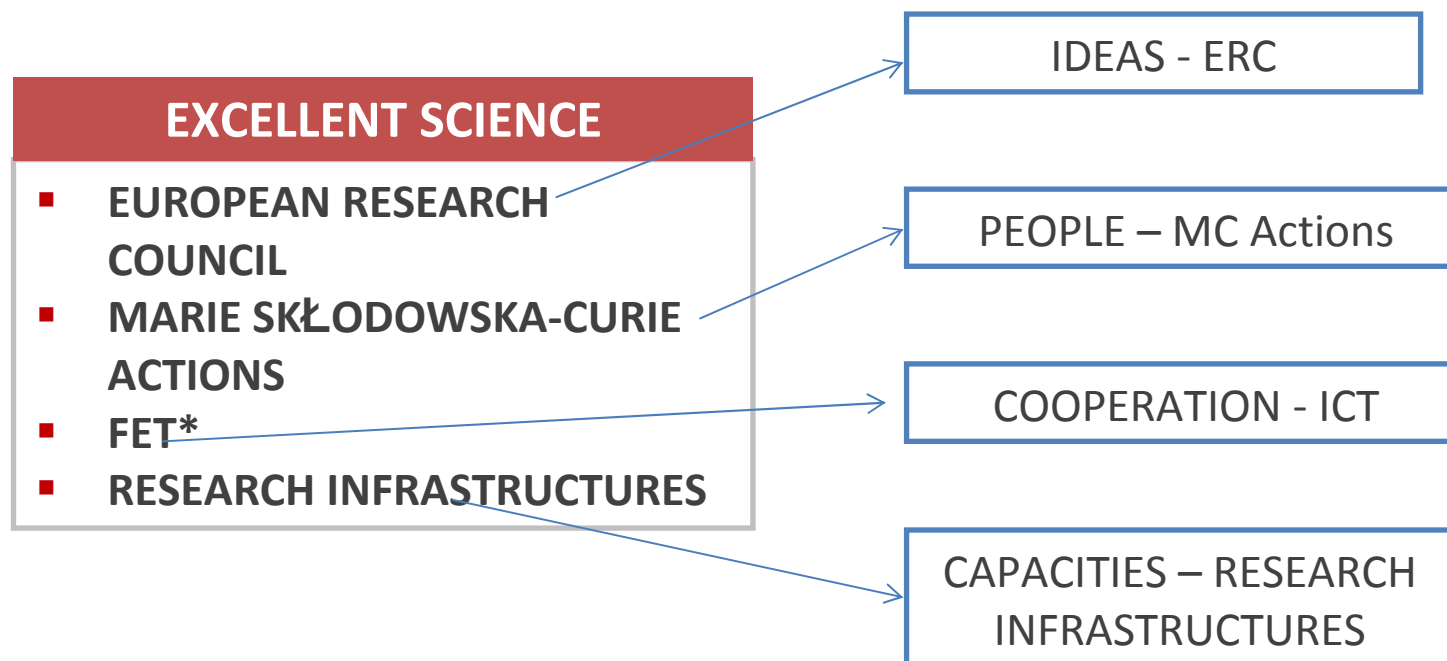
Spreading Excellence and Widening Participation

Science with and for society

Joint Research Center (JRC)

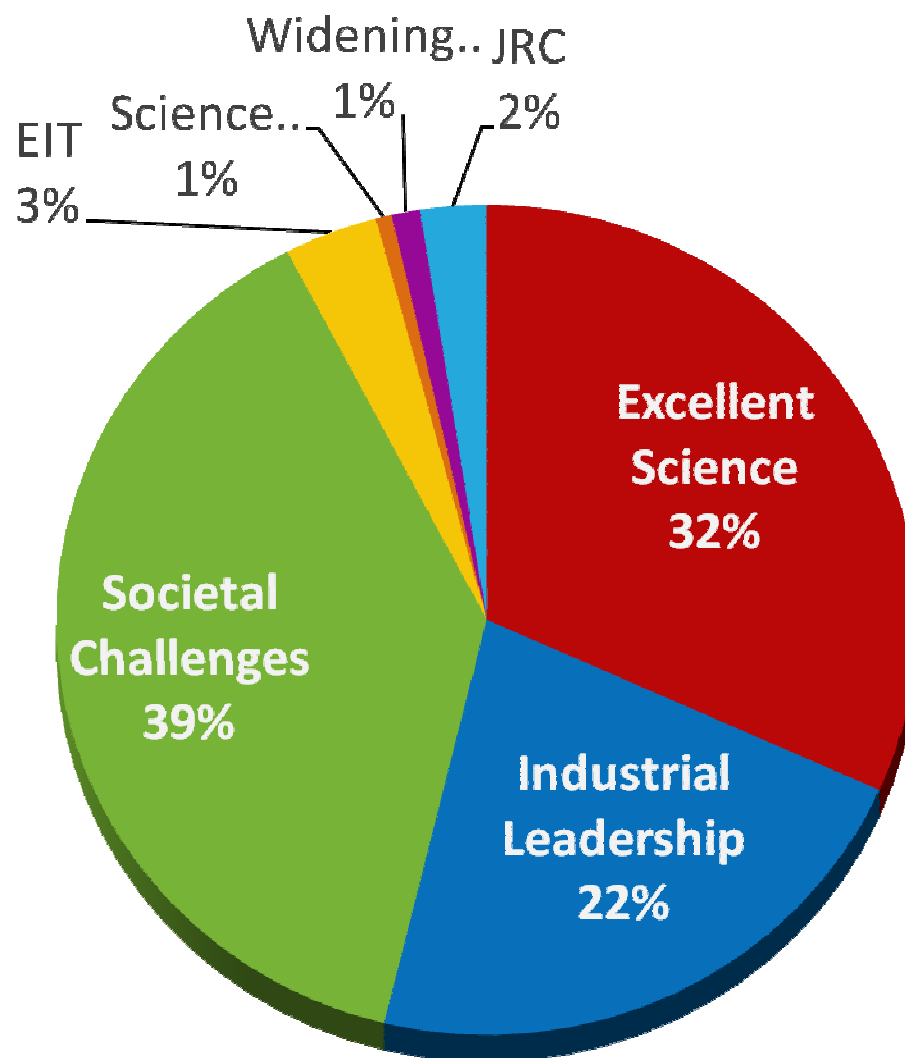@APRE 2013

# H2020

# FP7

## EXCELLENT SCIENCE

- **EUROPEAN RESEARCH COUNCIL**
- **MARIE SKŁODOWSKA-CURIE ACTIONS**
- **FET***
- **RESEARCH INFRASTRUCTURES**

IDEAS - ERC

PEOPLE – MC Actions

COOPERATION - ICT

CAPACITIES – RESEARCH INFRASTRUCTURES

*Expanded from ICT to be used as cross-cutting instrument

# Excellent Science: budget

# Excellent Science budget

€ 22.274 M €

|  | EC | EP | Compromise<br>- Current - |
|---|---|---|---|
| European Research Council | 15.008 | 13.268 | 13.095 |
| Future and Emerging Technologies | 3.505 | 3.100 | 2.696 |
| Marie Skłodowska-Curie Actions | 6.503 | 5.572 | 6.162 |
| Research Infrastructures | 2.802 | 2.478 | 2.488 |

# *Excellent Science: why?*

- World class science is the foundation of tomorrow's technologies, jobs and wellbeing

- Europe needs to develop, attract and retain research talent

- Researchers need access to the best infrastructures

# Excellent Science: objective

To support:

- **Top Researchers**

With

- **Oustanding IDEAS**

In

- **The best infrastructures**

# [ERC]

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**Spreading Excellence and Widening Participation**

**Science with and for society**

**Joint Research Center (JRC)**

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@APRE 2013

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# [Definitions]

- ✓ **Principal Investigator (PI)**: researcher who proposes and holds the grant

- ✓ **Host Insitution (HI)**: entity which hosts the PI and signs the Grant Agreement

- ✓ **Team members:** researchers included in the PI's team

- ✓ **Additional participant**: partner organizations (exceptional cases!)

- ✓ **Portability:** the grant follows the PI

- ✓ **Commitment:** PI's working time devoted to the project

# [Objectives]

*Aim*: *R*etain – *R*epatriate – *R*ecruit

- Favour *"brain gain"* and *"reverse brain drain"*
  - improve *career opportunities and independence* - especially for young researchers
- increase *competition, recognition and international visibility* - for excellent individual scientists and scholars in Europe
  - raise *aspiration and achievement* of basic research in Europe

**Keyword: *EXCELLENCE!!!***

# [Objectives]

**The *ERC* encourages proposals:**

o **Crossing *traditional barriers* among disciplines**

o **Dealing with *new and emerging sectors***

o *high-risk, high-gain*

o *ground-breaking*

> **Support EXCELLENCE!** *The best researchers and IDEAS*

# [Key Features]

The *ERC* funds top scientists all over Europe working on "Frontier Research" through:

- ✓ *Individual* grants

- ✓ *Bottom up* approach

- ✓ *Sizeable grants* that make a difference

- ✓ Grant *portability*

- ✓ No networks
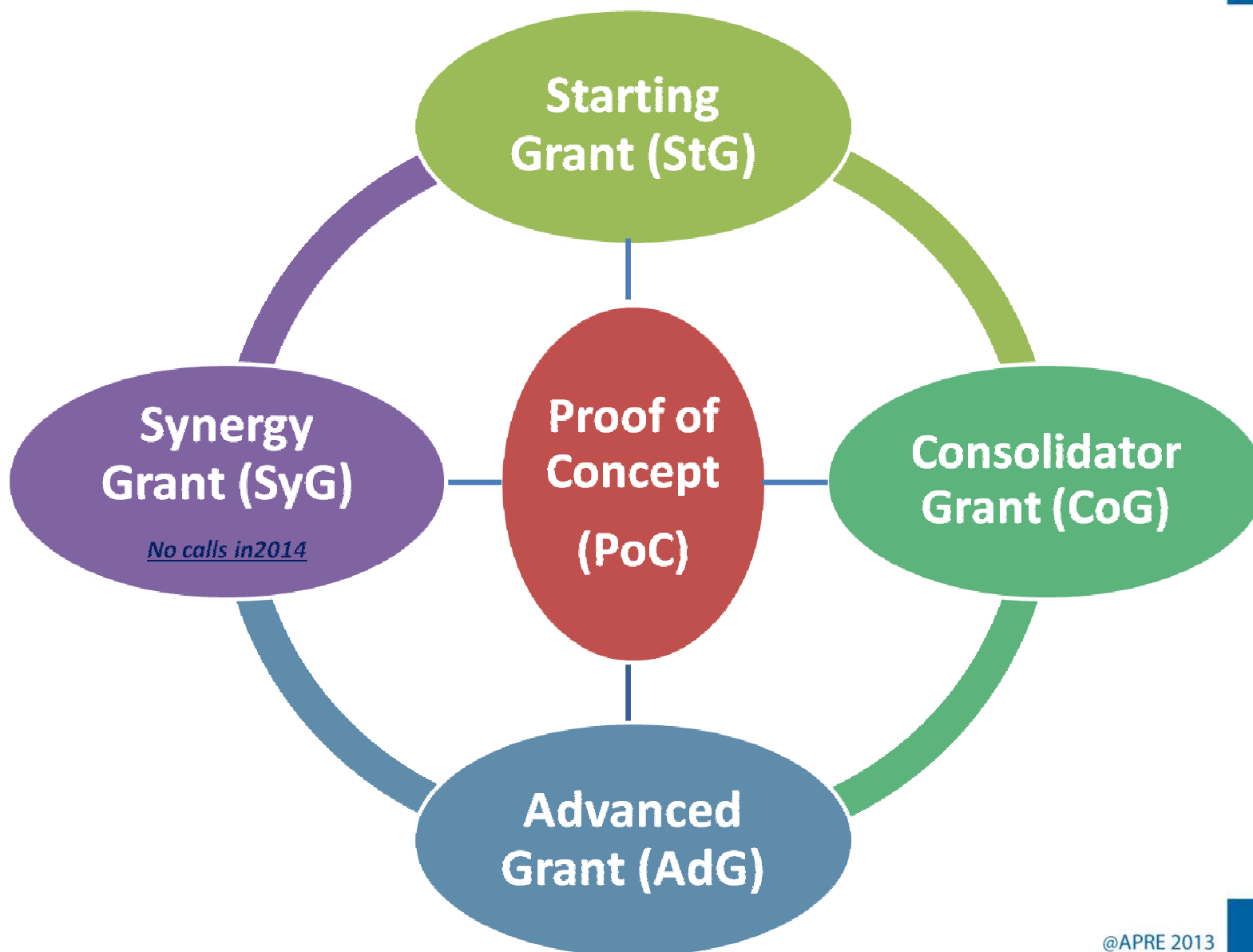
- ✓ No restrictions on PI/team members age nationality

> 1 project, 1 researcher, 1 institution, 1 evaluation criterion
> *EXCELLENCE!*

# [Funding Scemes]



Starting Grant (StG)

Synergy Grant (SyG)

*No calls in2014*

Proof of Concept (PoC)

Consolidator Grant (CoG)

Advanced Grant (AdG)

# [ERC 2014 calls]

| | Starting Grant | Consolidator Grant | Advanced Grant | Proof of Concept Grant |
|---|---|---|---|---|
| Call identifier | ERC-2014-StG | ERC-2014-CoG | ERC-2014-AdG | ERC-2014-PoC |
| Publication date | 11 December 2013 | 11 December 2013 | 17 June 2014 | 11 December 2013 |
| Deadline(s) | 25 March 2014 | 20 May 2014 | 21 October 2014 | 1 April 2014<br><br>1 October 2014 |
| Budget million EUR (estimated number of grants) | 485 (370) | 713 (400) | 450 (200) | 15 (100) |
| Planned dates to inform applicants | 21 July 2014<br><br>21 November 2014 | 31 October 2014<br><br>15 January 2015 | 10 March 2015<br><br>28 April 2015 | 31 July 2014<br><br>13 January 2015 |
| Indicative date for signature of grant agreements | 21 March 2015 | 15 May 2015 | 28 August 2015 | 31 November 2014<br><br>13 May 2015 |

# Indicative summary of main calls from the 2015 budget[2]

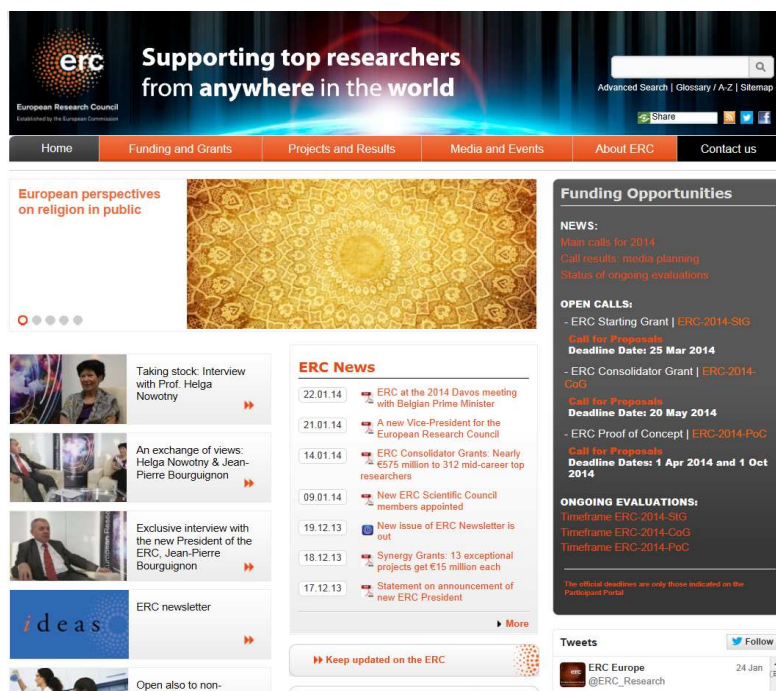|  | Starting Grant | Consolidator Grant | Advanced Grant | Proof of Concept Grant |
|---|---|---|---|---|
| Call identifier | ERC-2015-StG | ERC-2015-CoG | ERC-2015-AdG | ERC-2015-PoC |
| Expected deadline(s) | 3 February 2015 | 12 March 2015 | 2 June 2015 | 23 April 2015<br><br>1 October 2015 |
| Budget million EUR (estimated number of grants) | 411 (315) | 603 (340) | 640 (285) | 15 (100) |

# [ERC budget for HORIZON2020]
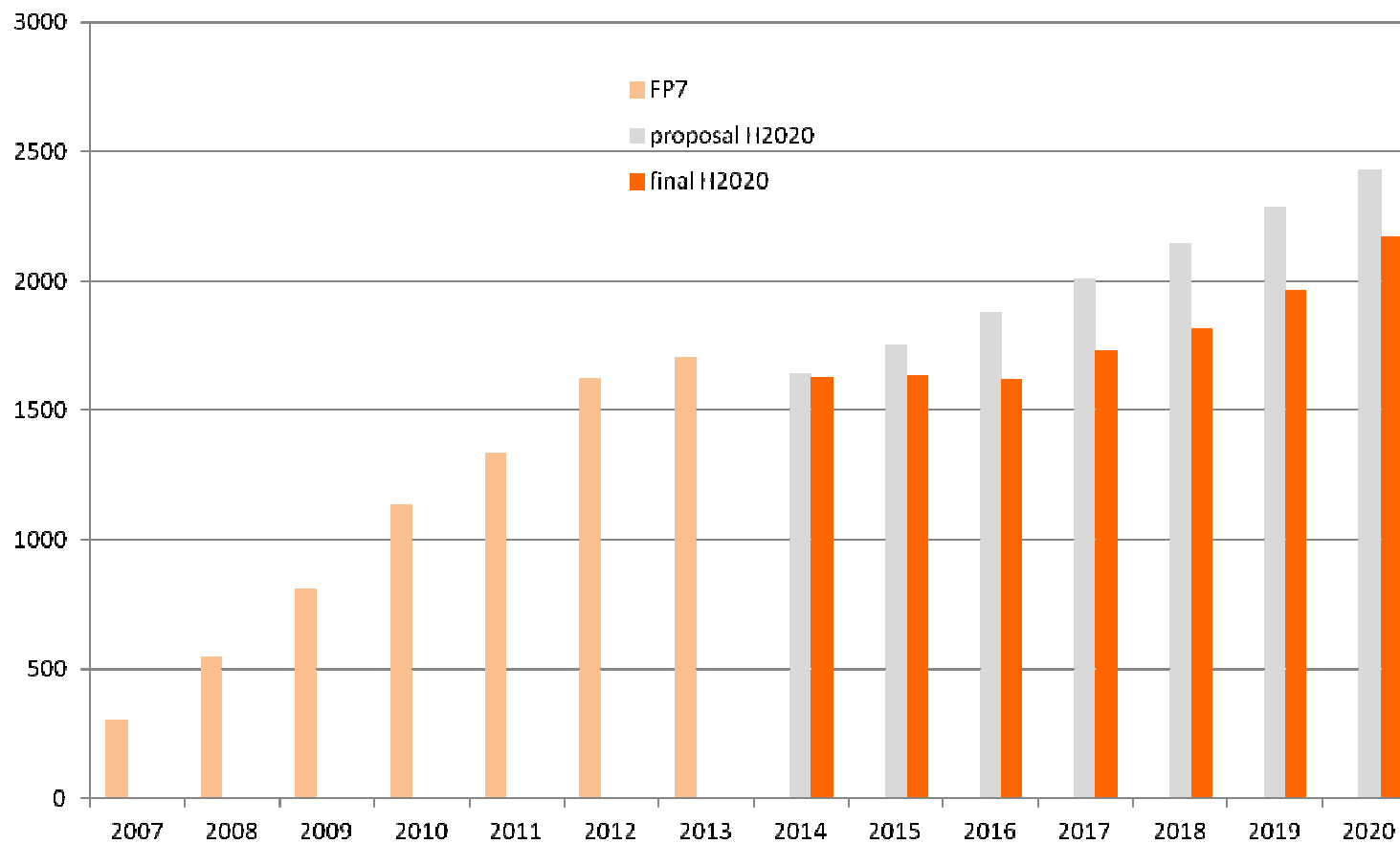
# [Docs & Sources]



- ✓ Work Programme

- ✓ Information for Applicants

- ✓ Website
  **http://erc.europa.eu/**

# [ERC projects: 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*

# [Budget]

**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

**Funding: 100% of direct costs + overheads (25% of direct costs)**

# [Principal Investigator]

## Starting

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

## Consolidator

- *7- 12 years post PhD;*
- *Several relevant independent publications;*
- *Minimum commitment: 50%*

## Advanced

- *Established scientist (more than 10 years experience);*
- *Noticeable CV*
- *Minimum commitment: 30%*

# [Principal Investigator]

✓PIs may be of any age and nationality and may reside in any country in the world at the time of the application

✓ PIs should not necessarily be employed by the HI at the time of the application

✓PIs will be engaged by the HI for the duration of the grant

✓ PIs do not have to be based full-time in Europe

✓ERC grants are submitted by the PI who has scientific responsibility for the project, on behalf of the host institution.

# [Team Members]

**Team members may be of any age, nationality an career stage**

*It expected that the HI will be the only participating legal entity. However, where they bring scientific added value to the project, additional team members may be hosted by additional legal entities which will be eligible for funding, and which may be established anywhere, including outside the European Union, or international organizations*

# [Host Institution]

✓Established in a Member State or Associated Country

✓Any type of legal entity, public or private, including universities, research organizations and industries

✓ Must engage the Principal Investigator for at least the duration of the project

✓Signs the Grant Agreement with the EC

✓Signs the Commitment Letter/Supplementary Agreement with the PI

✓Accepts the PI's independence

✓Accepts the Grant Portability

# [Additional Participants]

Only in exceptional cases**:**

✓ Justified participation

✓ Added value to the project

# [Proposal Forms]

**A Forms:**

- *To be completed online (admin. Information, ethics & Budget)*

**B1 Form**

- *Extended synopsis (5 pages)*
- *CV (2 pages)*
- *Track record (2 pages)*

**B2 Form**

- *Scientific proposal - including budget table (15 pages)*

**Annexes**

- *HI commitment letter*
- *PhD certificate*
- *Ethical issues*
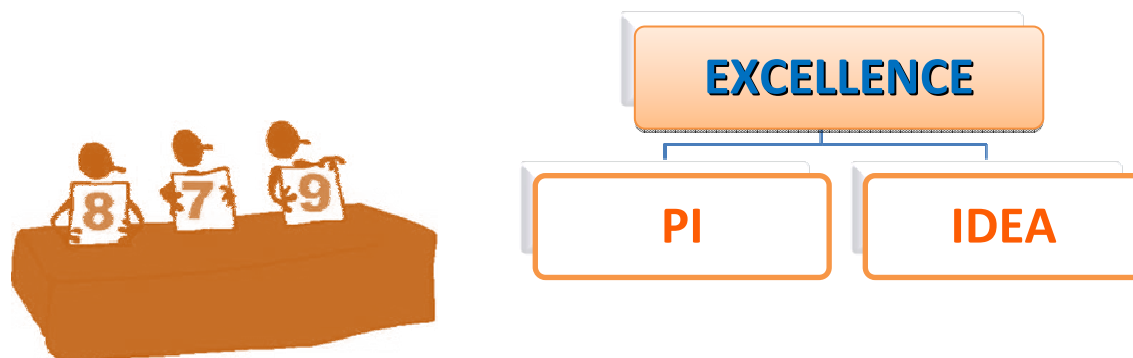- *Career breaks docs*

# [Evaluation Procedure]

| Step 1 | → | Interview | → | Step 2 |
|--------|---|-----------|---|--------|
| • B1 form | | • Only for StG & CoG | | • B1 e B2 |

# [Evaluation Criteria]



**EXCELLENCE**

**PI**     **IDEA**

# [Evaluation: 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).*

# [Evaluation: PI AdG]

2. Principal Investigator

Intellectual capacity, creativity and commitment

*Advanced*

*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?*

*To what extent has the PI demonstrated sound leadership in the training and advancement of young scientists?*

*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 30% of the total working time on it and min 50% in an EU Member State or Associated Country) (based on the full Scientific Proposal).*

# [Evaluation: Research project]

1. Research Project

Ground-breaking nature, ambition and feasibility

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Starting, Consolidator and Advanced

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*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?*

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*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)?*

# [Evaluation outcome]

At the end of **step 1 of the evaluation applicants will be informed that their proposal:**

**A.** is of <u>sufficient quality</u> to pass to step 2 of the evaluation;
**B.** is of <u>high quality but not sufficient</u> to pass to step 2 of the evaluation;
**C.** is <u>not of sufficient quality</u> to pass to step 2 of the evaluation.

At the end of **step 2 of the evaluation applicants will be informed that their proposal:**

**A.** fully meets the ERC's excellence criterion and <u>is recommended for funding</u> if sufficient funds are available;
**B.** meets some but not all elements of the ERC's excellence criterion and <u>will not be funded.</u>

# [Restrictions on applications]

| | First eligible call | | | | |
|---|---|---|---|---|---|
| | 2014 | 2015 | 2016 | 2017 | 2018 |
| **Final outcome of evaluation** | | | | | |
| **2013** | | | | | |
| A | ✓ | | | | |
| B | ✓ | | | | |
| C | X | ✓ | | | |
| **2014** | | | | | |
| A (step 2) | | ✓ | | | |
| B (step 1 o 2) | | X | ✓ | | |
| C | | X | X | ✓ | |
| **2015** | | | | | |
| A (step 2) | | | ✓ | | |
| B (step 1 o 2) | | | X | ✓ | |
| C | | | X | X | ✓ |
| **2016** | | | | | |
| A (step 2) | | | | ✓ | |
| B (step 1 o 2) | | | | X | ✓ |
| C | | | | X | X |

# [Evaluation Panels]

## 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**
Electronic, communication, optical and systems engineering.

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

# [Evaluation Panels]

## 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**
Agricultural, animal, fishery, forestry and food sciences, biotechnology, genetic engineering, synthetic and chemical biology, industrial biosciences; environmental biotechnology and remediation.

# [Evaluation Panels]

*Social Sciences & Humanities*

**SH1    Markets, Individuals and Institutions**
Economics, finance and management.

**SH2    The Social World, Diversity and Common Ground**
Sociology, social anthropology, political science, law, communication, science and technology studies.

**SH3    Environment, Space and Population**
Sustainability science, demography, geography, regional studies and planning.

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

**SH5    Cultures and Cultural Production**
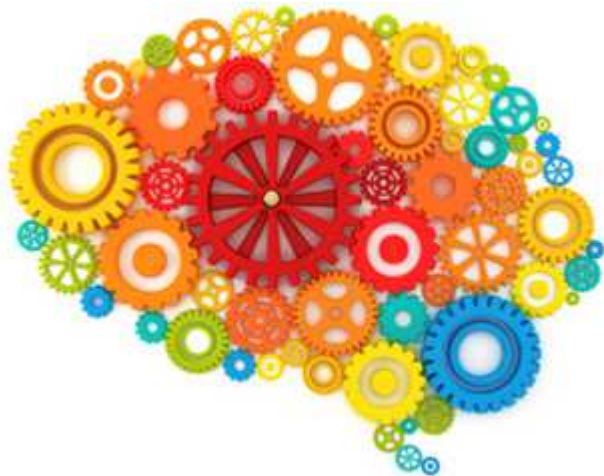Literature, philology, cultural studies, arts, philosophy.

**SH6    The Study of the Human Past**
Archaeology and history.

# Proof of Concept (PoC)

# [Proof of Concept]

*From blue sky research to commercialisation...*

*What for:* **establish the innovation potential of an ERC-funded idea a:**

o **technical validation**

o **market research**

o **clarifying IPR strategy**

o **investigating business opportunities**

*FOR ERC GRANT HOLDERS ONLY!*

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# [MSCA]

ITN

**ITN**
**Early-Stage Researchers**

Innovative networks supporting early-stage training (Including *Industrial doctorates* & *Joint doctorates*)

IEF

IOF

**IF**
**Experienced Researchers**

IIF

CIG

Individual fellowship supporting experienced researchers undertaking mobility

**RISE**
**Exchange of Staff**

IAPP

International and inter-sector cooperation through research and innovation staff exchange

IRSES

COFUND

**COFUND**
**Co-funding**

Co-funding of regional, national and international programmes funding doctoral and postdoctoral researchers

www.apre.it

# [MSCA]

## MSCA Objective

Ensure the *optimum development* and *dynamic use of Europe's intellectual capital* in order to generate *new skills, knowledge and innovation*

# [Key features]

- ➢ Open to all domains of **research and innovation** from basic research up to market take-up and innovation services

- ➢ Entirely **bottom-up**

- ➢ Participation of **non-academic sector** strongly encouraged, especially industry and SMEs

- ➢ <u>**Mobility** as the key requirement </u>- funding on condition participants move from one country to another

- ➢ Promotion of attractive **working and employment conditions**

- ➢ Particular attention to **gender** balance

# Call deadlines 2015

| Call ID | Call Opens | **Call Deadline** | Budget (Mio EUR) |
|---|---|---|---|
| H2020-MSCA-ITN-2015 | 02-09-2014 | **13-01-2015** | 370.00 |
| H2020-MSCA-IF-2015 | 12-03-2015 | **10-09-2015** | 213.00 |
| H2020-MSCA-RISE-2015 | 06-01-2015 | **28-04-2015** | 80.00 |
| H2020-MSCA-COFUND-2015 | 14-04-2015 | **01-10-2015** | 80.00 |

# [Individual Fellowships (IF)]

**Objective**

✓enhance the creative and innovative potential of experienced researchers

✓provide opportunities to acquire new knowledge, work on research projects in a European context or outside Europe, resume a career or return to Europe

**Scope**

✓Individual, trans-national fellowships awarded to the best or most promising researchers

✓European Fellowships or Global Fellowships

✓Career Restart Panel and Reintegration Panel

**Expected Impact**

✓release the full potential of researchers and to catalyse significant development in their careers in both the academic and non-academic sectors

✓strengthen the contact network of the researcher and the host organisation

# [IF – European and Global]



**European Fellowships**

**Global Fellowships**

# Individual Fellowships (IF)

Duration of support:

IF European: 12-24 months

IF Global: 12-24 months for the outgoing phase plus 12 month
return phase in Europe

# [Award criteria: IF]

| Excellence | Impact | Implementation |
|---|---|---|
| **Quality, innovative aspects and credibility of the research** (including inter/multidisciplinary aspects) | **Enhancing research- and innovation-related human resources, skills and working conditions to realise the potential of individuals and to provide new career perspectives** | **Overall coherence and effectiveness of the work plan,** including appropriateness of the allocation of tasks and resources |
| **Clarity and quality of transfer of knowledge/training** for the development of researcher in light of the research objectives | Effectiveness of the proposed measures for **communication** and **results dissemination** | **Appropriateness of the management structures and procedures**, including quality management and risk management |
| **Quality of the supervision** and the hosting arrangements | | **Appropriateness of the institutional environment** (infrastructure) |
| **Capacity of the researcher** to reach or re-enforce a position of professional maturity in research | | **Competences, experience and complementarity** of the participating organisations **and institutional commitment** |

# Research and Innovation Staff Exchange (RISE)

**Objective**

✓promote **international and inter-sector collaboration** through research and innovation staff exchanges

✓foster a shared culture of <u>research and innovation</u>

**Scope**

✓International and inter-sector transfer of knowledge and sharing of ideas

✓Common research and innovation project

✓Highly skilled research and innovation staff

✓Within Europe: only inter-sector secondments

✓No secondments between institutions located outside Europe or within the same MS/AC

**Expected Impact**

✓strengthen the interaction between organisations in the academic and non-academic sectors, and between Europe and third countries

# Research and Innovation Staff Exchange (RISE)

Participants in the RISE shall be established in at least three different countries of which at least two must be EU Member States and/or Associated Countries.

If all participants are from the same sector (either only academic or only non-academic), at least one participant must be from a third country.

Above this minimum, the participation of institutions from any country or organisation is possible under the conditions provided by the Horizon 2020 Rules for Participation

# Research and Innovation Staff Exchange (RISE)

✓ Support for the exchanges between institutions in the EU Member States and Associated Countries covers only inter-sector secondments.

✓ Exchanges with institutions from third countries can be inter-sector secondments as well as secondments within the same sector.

✗ No secondments between institutions located in third countries or within the same EU Member State or Associated Country can be supported

# [Award criteria: RISE]

| Excellence | Impact | Implementation |
|---|---|---|
| **Quality, innovative aspects and credibility of the research** (including inter/multidisciplinary aspects) | **Enhancing research- and innovation-related human resources, skills and working conditions to realise the potential of individuals and to provide new career perspectives** | **Overall coherence and effectiveness of the work plan,** including appropriateness of the allocation of tasks and resources |
| **Clarity and quality of knowledge sharing** among the participants in light of the research and innovation objectives. | **To develop new and lasting research collaborations, to achieve transfer of knowledge** between research institutions and to improve research and innovation potential at the European and global levels | **Appropriateness of the management structures and procedures**, including quality management and risk management |
| **Quality of the interaction between the participating organisations** | Effectiveness of the proposed measures for **communication** and **results dissemination** | **Appropriateness of the institutional environment** (infrastructure) |
| | | **Competences, experience and complementarity** of the participating organisations **and institutional commitment** |

# Innovative Training Networks (ITN)

## MSCA - main EU programme for structured doctoral training

**Objective**

✓ raise excellence and structure research and doctoral training

✓ train a new generation of **_creative, entrepreneurial and innovative early-stage researchers_**

**Scope**

✓ European Training Networks (ETN), European Industrial Doctorates (EID) or European Joint Doctorates (EJD)

✓ Focus on innovation skills

**Expected Impact**

✓ structure research and doctoral training in Europe

✓ trigger cooperation and exchange of best practice among participants

✓ enhance researchers' employability and provide them with new career perspectives

Who can apply?

• Networks of organisations involved in research and (research) training.

What types of organisations can apply?

• Two different types:

✓ **Academic sector**: public or private HEI awarding academic degrees, public or private non-profit research organisations, international European interest organisations

✓ **Non-academic sector**: any socio-economic actor not included in the academic sector definition

# Innovative Training Networks (ITN)

✓ At least <u>three beneficiaries</u> (or at least two for EID) located in different Member States or Associated Countries

✓ In the case of EID, at least <u>*one beneficiary must be entitled to award doctoral degrees and at least one beneficiary must come from the non-academic sector*</u>

✓ For EJD, at least three beneficiaries <u>*must be entitled to award doctoral degrees*</u>
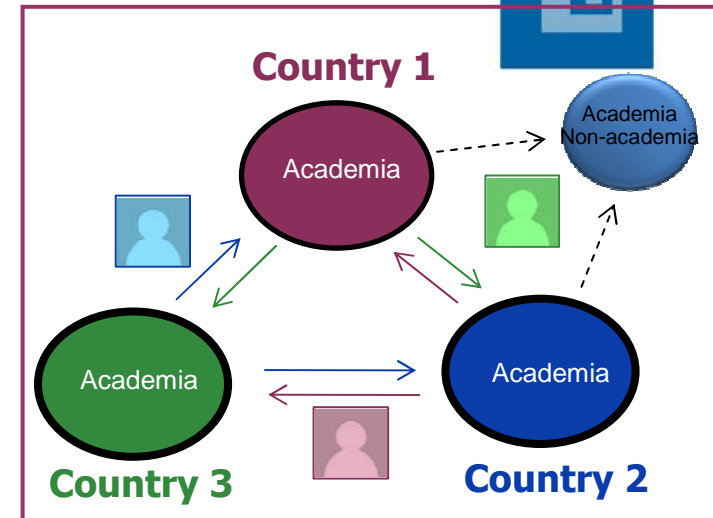
Duration of support: 3-36 months

Researchers in EID shall spend at least 50% of their time in the non-academic sector
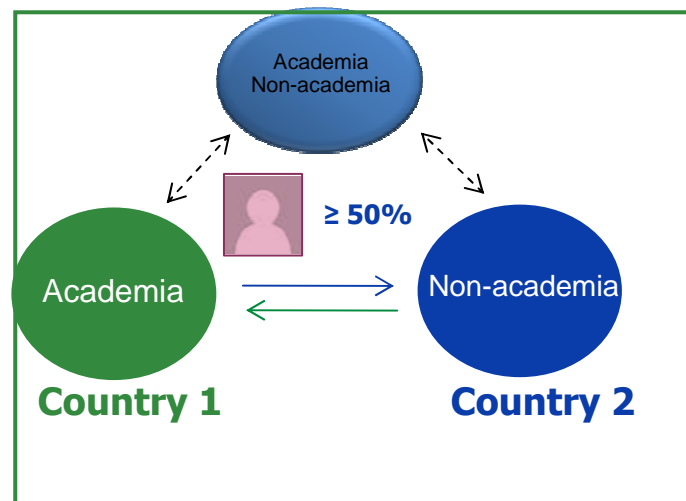
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# [ITN – consortia]
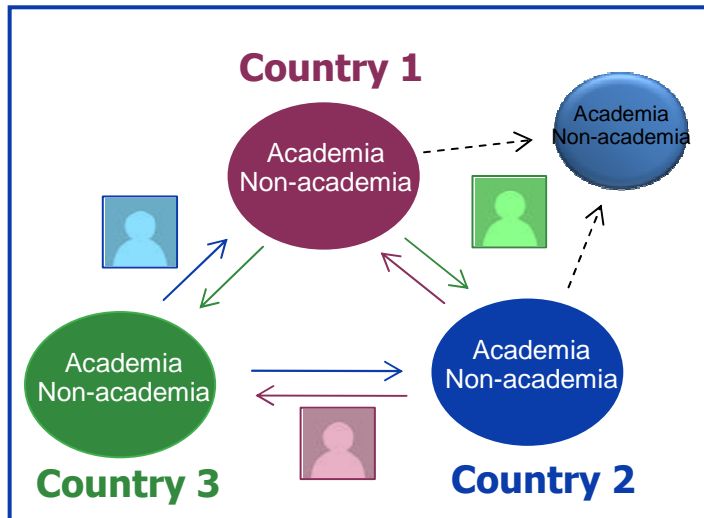


European Training Networks

European Joint Doctorates

European Industrial Doctorates

# [ITN – Main features]

- ✓ **Budget**\*: € 405.18 Million in 2014 (EID: 25.5 Mio, EJD: 30 Mio)
  € 370 Million in 2015 (EID: 25 Mio, EJD 28 Mio)

- ✓ Duration of projects: maximum 4 years

- ✓ Consortium agreement: required only for EID

- ✓ Support to **early-stage researchers only**

- ✓ Fellowships of 3-36 months

- ✓ Maximum **540 researcher-months** per consortium (180 for EID with 2 partners)

- ✓ Separate **multidisciplinary panels for EID and EJD**

\* All budget-related details in this presentation are subject to the final decision on MFF

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# [Innovative Training Networks - Mobility rule]

The researcher must not have resided or carried out his/her main activity (work, studies, etc.) in the country of his/her host organisation for more than 12 months in the 3 years immediately prior to his/her (first) recruitment.

- Compulsory national service and/or short stays such as holidays are not taken into account.

- Exception: for international organisations, the mobility rule does not apply to the hosting of eligible researchers. However, the appointed researcher shall not have spent more than 12 months in the 3 years immediately prior to recruitment at the same organisation.

# [Innovative Training Networks - ITN]

## Typical activities

- Network-wide training activities (e.g. seminars, workshops and summer schools).

- Training in key transferable skills.

- Collaboration and exchange of knowledge within the network.

- Communication & Dissemination.

- Public engagement.

# [Award criteria: ITN]

| Excellence | Impact | Implementation |
|---|---|---|
| **Quality, innovative aspects and credibility of the research programme** (including inter/multidisciplinary and intersectoral aspects) | **Enhancing research- and innovation-related human resources, skills, and working conditions to realise the potential of individuals and to provide new career perspectives** | **Overall coherence and effectiveness of the work plan,** including appropriateness of the allocation of tasks and resources (including awarding of the doctoral degrees for *EID* and *EJD* projects) |
| **Quality and innovative aspects of the training programme** (including transferable skills, inter/multidisciplinary and intersectoral aspects) | **Contribution to structuring doctoral / early-stage research training at the European level and to strengthening European innovation capacity, including the potential for**: **a)** meaningful contribution of the non-academic sector to the doctoral/research training, as appropriate to the implementation mode and research field **b)** developing sustainable joint doctoral degree structures (for *EJD* projects only) | **Appropriateness of the management structures and procedures**, including quality management and risk management (with a mandatory joint governing structure for *EID* and *EJD* projects*)* |
| **Quality of the supervision** (including mandatory joint supervision for *EID* and *EJD* projects) | Effectiveness of the proposed measures for **communication** and **dissemination of results** | **Appropriateness of the infrastructure of the participating organisations** |
| **Quality of the proposed interaction between the participating organisations** | | **Competences, experience and complementarity of the participating organisations and their commitment to the programme** |

# [COFUND]

## MSCA to foster excellence throughout Europe

**Objective**

✓stimulate regional, national or international programmes to foster excellence in researchers' training, mobility and career development

**Scope**

✓international, intersectoral and interdicisplinary **research training**, as well as transnational and cross-sector **mobility** of researchers at all stages of their career

✓Possibilities of synergies with structural funds

✓Opportunities for **researchers from all countries**

✓Researchers to comply with the mobility rules of the MSCA

✓Open and transparent recruitment, vacancies widely publicised

**Expected Impact**

✓exploit synergies between European Union actions and those at regional, national, and international level

✓leverage funding and combat fragmentation

# [COFUND]

✓  Mono-beneficiary

✓  Legal entities (public and private) established in MS or AC and international European interest organisations



| **Doctoral Programmes** |



| **Fellowship Programmes** |

# [Award criteria: COFUND]

| Excellence | Impact | Implementation |
|---|---|---|
| **Quality of the selection / recruitment process for the researchers** (transparency, composition and organisation of selection committees, evaluation criteria, equal opportunity) | **Enhancing research- and innovation-related human resources, skills and working conditions to realise the potential of individuals and to provide new career perspectives** | **Overall coherence, effectiveness and appropriateness of the work plan** |
| **Quality of the research options offered by the programme** in terms of science, interdisciplinarity, intersectorality and level of transnational mobility | **Impact of the programme on aligning practices at participating organisations with principles set out by the EU for the human resources development in research and innovation** | **Appointment conditions of researchers** |
| **Quality of career guidance and training**, including supervision arrangements, training in transferable skills | Effectiveness of the proposed measures for **communication** and **results dissemination of the programmes** | **Competence of the participant** to implement the programme |

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# [Award Criteria]

- ✓ In line with all other programmes in H2020

- ✓ Set out in Art. 14 of the Horizon 2020 Rules for Participation

- ✓ 3 award criteria:
  - o Excellence (50% weighting)
  - o Impact (30% weighting)
  - o Implementation (20% weighting)

- ✓ NIGHT will use criteria of all H2020 Coordination & Support Actions

- ✓ All elements of the criteria similar for all MSCA, identical wording for impact towards the programme objectives

- ✓ More clarifications in the Part B of the Guide for Applicants for each action

Proposals in this call must be submitted electronically, using the **Electronic Submission Services of the Commission** accessible from the call page on the Participant Portal.

In **Part A** you will be asked for certain administrative details that will be used in the evaluation and further processing of your proposal. Part A constitutes an integral part of your proposal. Details of the work you intend to carry out will be described in Part B

# Part B" of the Proposal

Part B of the proposal contains the details of the proposed research and training programmes along with the practical arrangements planned to implement them.

Applicants must structure their proposal according to the headings indicated in the Part B proposal template

A Word version of the submission template can be downloaded from the Electronic Submission Services of the Commission. Applicants must ensure that proposals conform to this layout and to the instructions given in this Guide for Applicants

# Part B" of the Proposal

The maximum total length of Part B of the proposal is indicated in the guide for applicants.

**Experts will be instructed to disregard any excess pages above the page limit**

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