

Marie Skłodowska-Curie Actions (MSCA) Call MSCA - ITN 2017

Madrid, November 3rd 2016

Cristina Gómez, NCP MSCA



CONTENT

0. European Office and Spanish MSCA Support

I. General aspects of Marie Skłodowska-Curie Actions (MSCA)

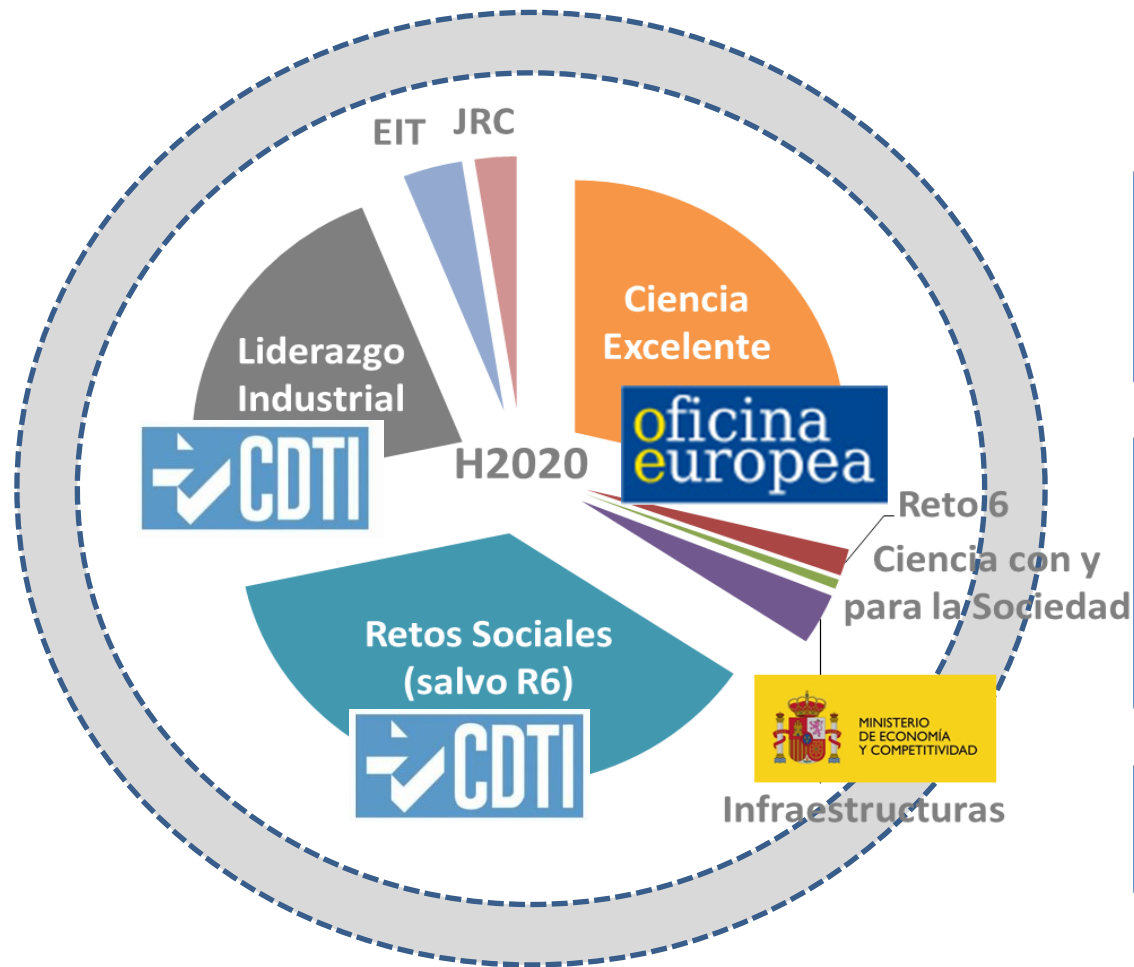
- ☐ Excellent Science in Horizon 2020
- ☐ Achievements and Objectives
- ☐ Important concepts (ITN)

II. ITN Call 2017 (Innovative Training Networks)

- ☐ ITN Objectives
- ☐ How to participate? (ETN – EID – EJD)
- ☐ Funding
- ☐ Some data

III. Brief information on evaluation

0. The European Office



Objective

- Promote the participation and leadership of the Spanish R&I system in H2020.

Areas

- EXCELLENT SCIENCE: ERC, **MSCA**, FET
- SWAFS
- Challenge 6
- COST

Target group

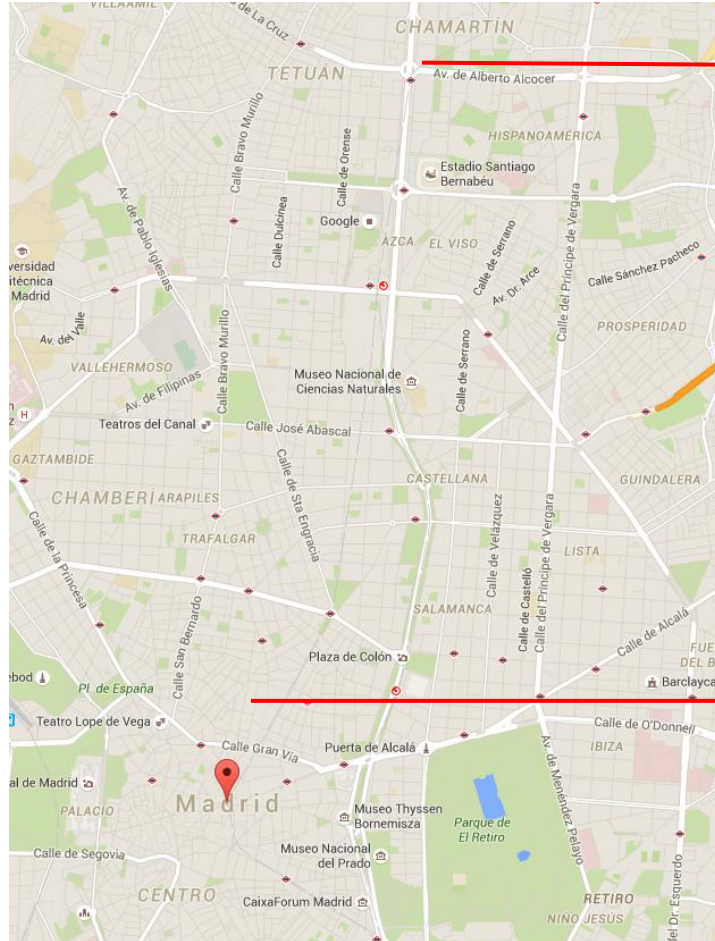
- OPIs, Universities, public R&I centres

0. The Spanish MSCA NCP Team ☺



oficina
europea

fundación para el
conocimiento
madri+d



4 metro stops



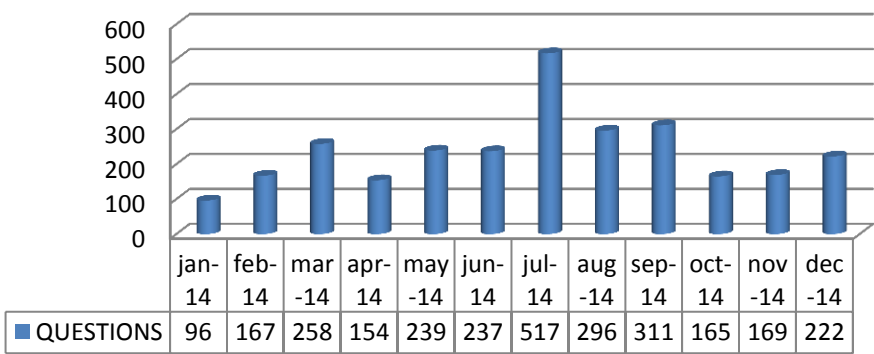
oficina
europea

fundación para el
conocimiento
madri+d

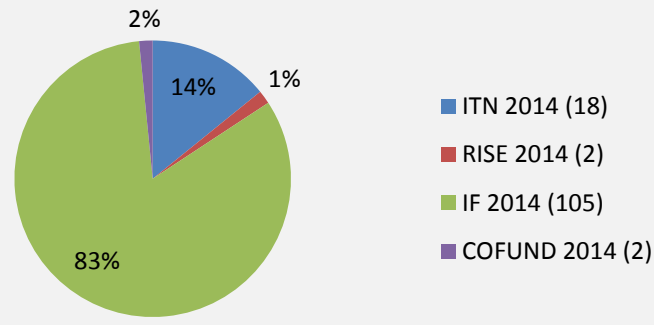
0. MSCA questions answered and pre-screening

2014

+ 2.800 questions answered

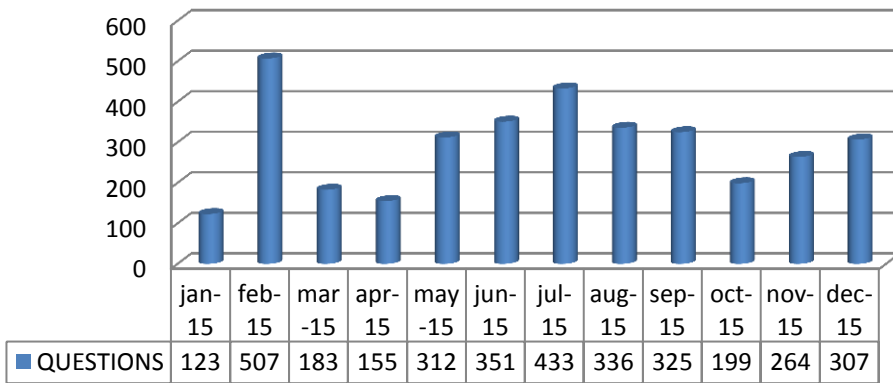


127 pre-screened proposals - 2014 Calls

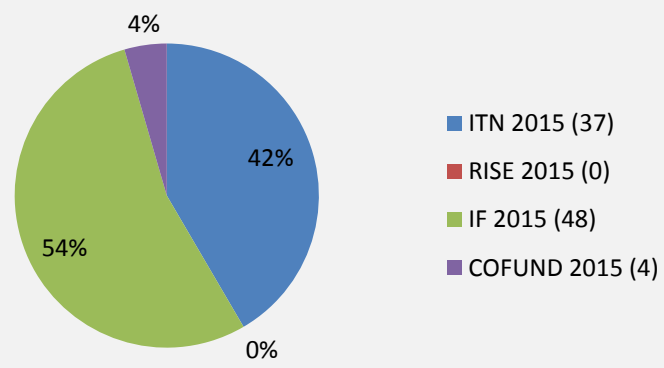


2015

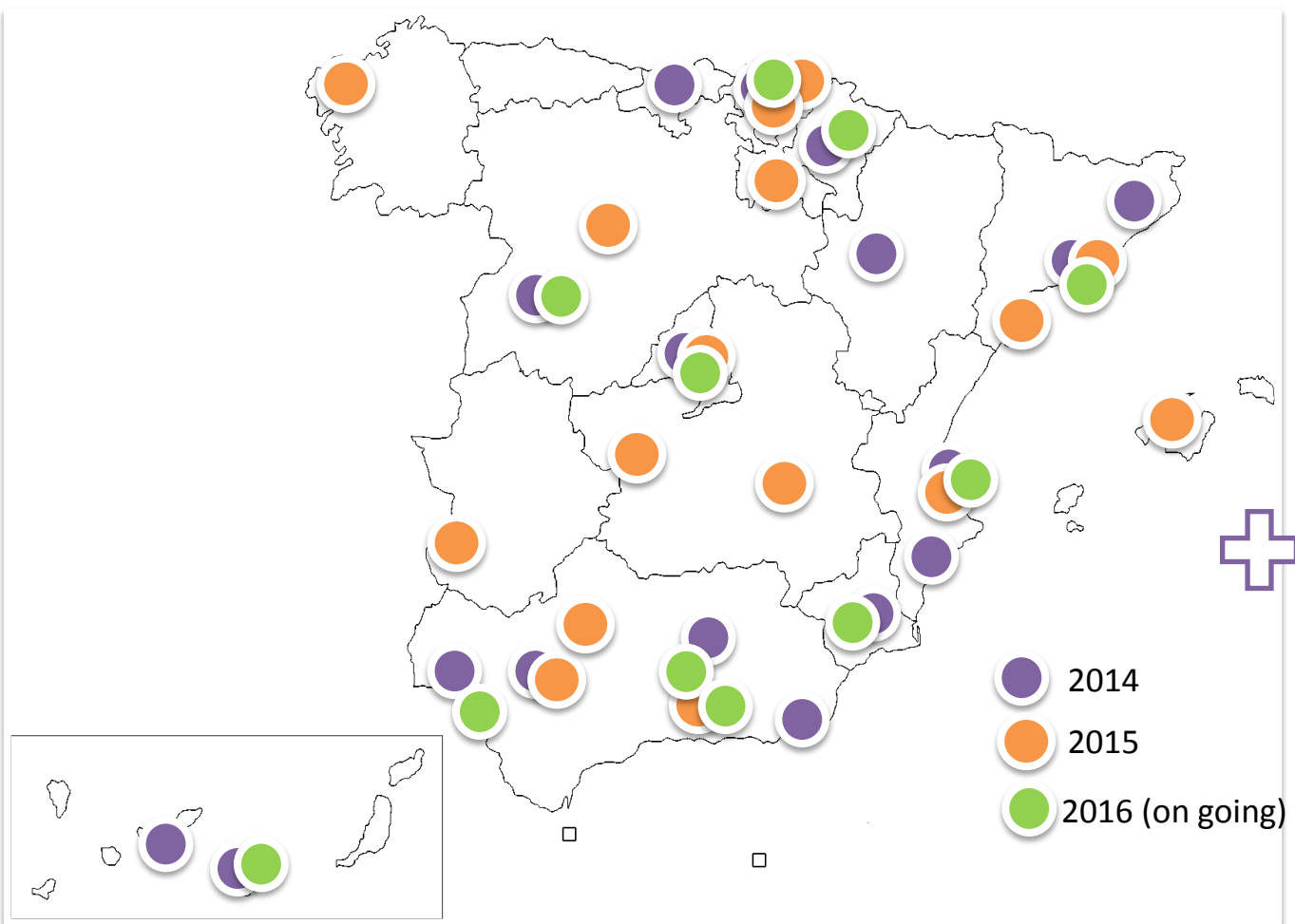
+ 3.500 questions answered



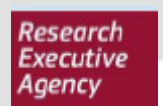
89 pre-screened proposals – 2015 Calls



0. MSCA Events 2014/2015/2016



WEBINARS

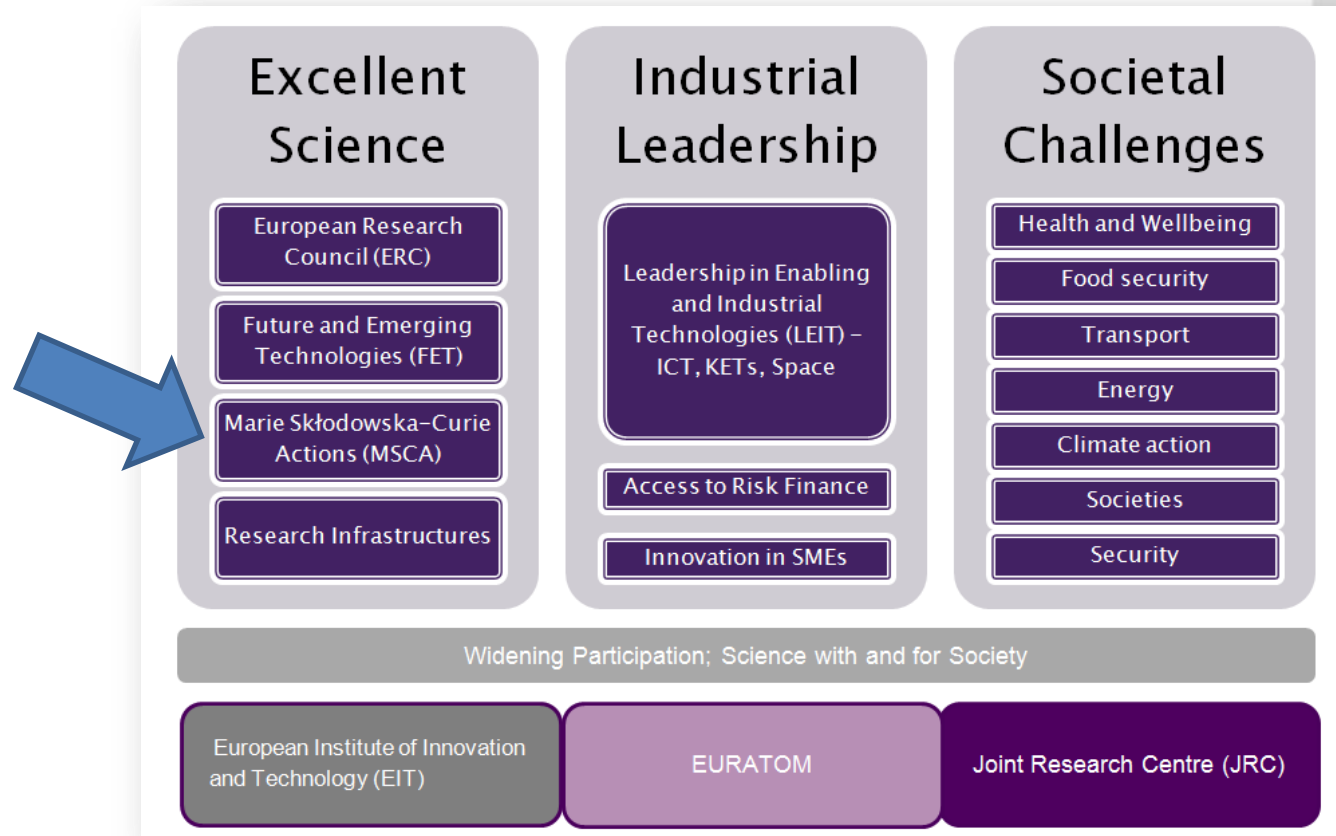


ción para el
imiento
madrid

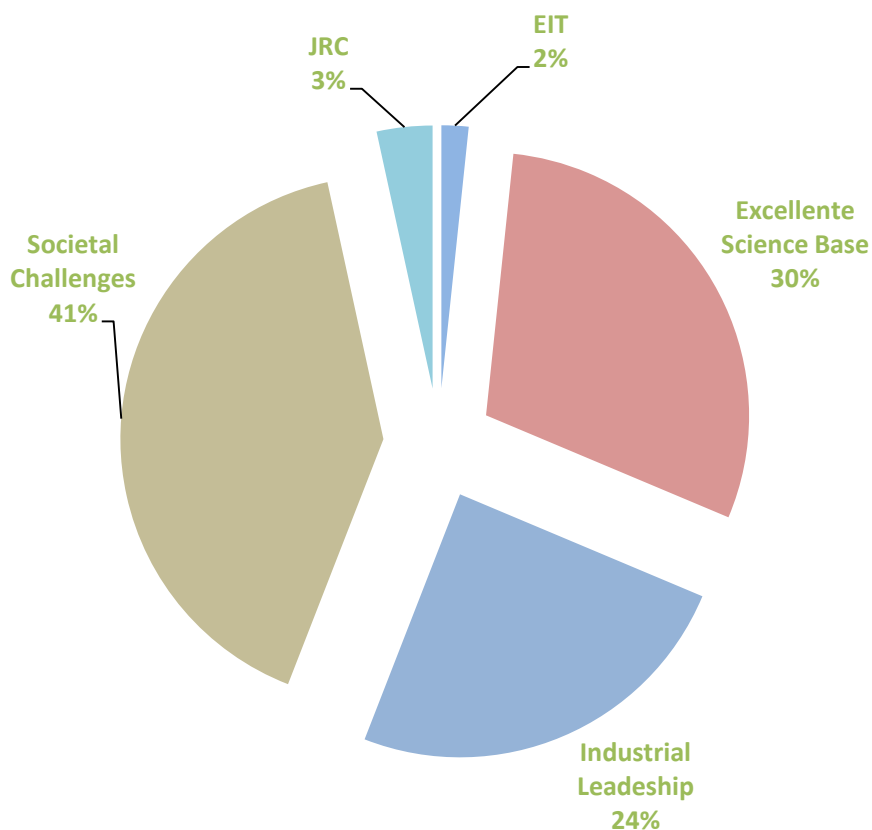
2014: + 30 promotional events / trainings + 2.050 participants + online impact (webstreaming, youtube)
2015: + 35 promotional events / trainings + 2.000 participants + online impact (webstreaming, youtube)
2016: + xx promotional events / trainings + xxxx participants + online impact (webstreaming, youtube)

I. General aspects MSCA

I. MSCA in Horizon 2020

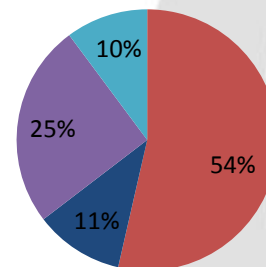


I. Excellent Science in Horizon 2020



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

■ ERC ■ FET ■ MSCA ■ Infraestructures



I. MSCA Objectives

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

- ☐ Support of the researchers´ **career path** at all stages
- ☐ **Mobility** is a key requirement
- ☐ Acquisition of new and **complementary skills**
- ☐ **Strong industry participation**
- ☐ **Excellent working conditions**, gender balance and open recruitment
- ☐ Emphasis on communication and **public engagement activities**
- ☐ **Bottom-up** approach



I. 2017 MSCA Calls: 838M€ / 6.162M€ H2020

Marie Skłodowska-Curie Actions

Open now

ITN

Innovative Training Networks

What does it offer?

High-quality research training delivered through interdisciplinary networks, industrial doctorates or joint doctorates.

Who applies?

International networks of research organisations from the academic and non-academic sectors

Who is funded?

Researchers at doctoral level (less than 4 years of full-time research experience and no doctoral degree)

Call details:

Opens: 15 September 2016
Closes: 10 January 2017
at 17:00:00 Brussels time
Budget: 430MC



IF

Individual Fellowships

What does it offer?

Opportunities to work on personal research projects by moving between countries and possible sectors to acquire new skills.

Who applies?

Individual researchers together with the host organisations

Who is funded?

Postdoctoral researchers

Call details:

Opens: 11 April 2017
Closes: 14 September 2017
at 17:00:00 Brussels time
Budget: 248MC



RISE

Research & Innovation Staff Exchange

What does it offer?

The exchanges of staff members involved in research and innovation to develop sustainable collaborative projects and the transfer of knowledge.

Who applies?

International networks of research organisations from the academic and non-academic sectors

Who is funded?

Researchers, technical administrative and managerial staff of any nationality and at all career levels

Call details:

Opens: 1 December 2016
Closes: 5 April 2017
at 17:00:00 Brussels time
Budget: 80MC



COFUND

Co-Funding of Regional, National & International Programmes

What does it offer?

Regional national or international programmes to foster excellence in training mobility and career development of researchers

Who applies?

Organisations funding or managing doctoral or fellowships programmes

Who is funded?

Researchers at doctoral and postdoctoral level

Call details:

Opens: 5 April 2017
Closes: 28 September 2017
at 17:00:00 Brussels time
Budget: 80MC



I. News 2016/2017

- ☐ No major changes with respect to WP2014/2015
- ☐ Inclusion of Responsible Research and Innovation (**RRI**) aspects
- ☐ **Evaluation** adjustments (criteria and process)
- ☐ **ITN Call 2016:**
 - ✓ Consortium Agreement: compulsory all ITN modes
 - ✓ EID: Universities awarding doctoral degrees can act as P.O
 - ✓ EID: Secondments have to be intersectoral / international
 - ✓ Template B divided in 2 Documents
- ☐ **ITN Call 2017:**
 - ✓ Open Research Data Pilot by default
 - ✓ Table of Contents added to Document 1



I. Important concepts (ITN)

☐ How can the institutions participate?

- ✓ Beneficiaries
- ✓ partner organisations

☐ Who can participate?

- ✓ Sectors: academic and non-academic
- ✓ Country participation

☐ Who are the eligible researchers to be financed in ITN?

- ✓ Research Experience
- ✓ Mobility rule



I. Beneficiaries vs. Partner Organisations (ITN)

Beneficiary

- Signs of the Grant Agreement with the EC
- Receives funds directly from the EC
- Recruits researchers
- Hosts researchers in their premises / offer secondments, training activities
- Participates in the Supervisory Board

Partner Organisation

- No contractual link with EC, no EC fundsNo recruitment of researchers
- Hosts researchers in their premises / offer secondments, training activities, Knowledge transfer...
- Participates in the Supervisory Board



Partner Organisations need to include a Letter of Commitment (section 7 – Template B)

I. How to participate in MSCA (ITN)



ACADEMIC SECTOR

- public or private High Education Institutions (HEI) awarding academic degrees
- public or private non-profit research organisations whose principal mission is research
- International European interest organisations (IEIOs)
<http://eiroforum.org/>



NON –ACADEMIC SECTOR

any other socio-economic actor not included in the academic sector definition (i.e: SMEs, enterprises, NGOs, hospitals, government bodies, museums...)



I. Country participation in MSCA (ITN)

❑ 28 Member States (MS) + ultraperiferic territories

All are eligible to participate and receive funds

❑ 15 Associated Countries to H2020 (AC)

Iceland, Norway, Albania, Bosnia and Herzegovina, Former Yugoslav Republic of Macedonia, Israel, Moldova, Montenegro, Serbia, Switzerland, Turkey, Faroe Islands, Ukraine, Tunisia, Georgia (as of April 2016)

All are eligible to participate and receive funds

❑ Third Countries: Not MS / Not AC

➤ Eligible to receive funding: the ones established in Annex A WP2016/2017.

➤ Countries not eligible for EU funding



Afghanistan, Algeria, American Samoa, Angola, Argentina, [Armenia], Azerbaijan, Bangladesh, Belarus, Belize, Benin, Bhutan, Bolivia, Botswana, Burkina Faso, Burundi, Cambodia, Cameroon, Cape Verde, Central African Republic, Chad, Chile, Colombia, Comoros, Congo (Democratic People's Republic), Congo (Republic), Costa Rica, Côte d'Ivoire, Cuba, Djibouti, Democratic People's Republic of Korea, Dominica, Dominican Republic, Ecuador, Egypt, El Salvador, Eritrea, Ethiopia, Fiji, Gabon, Gambia, Ghana, Grenada, Guatemala, Guinea, Guinea-Bissau, Guyana, Haiti, Honduras, Indonesia, Iran, Iraq, Jamaica, Jordan, Kazakhstan, Kenya, Kiribati, Kosovo*, Kyrgyz Republic, Lao, Lebanon, Lesotho, Liberia, Libya, Madagascar, Malawi, Malaysia, Maldives, Mali, Marshall Islands, Mauritania, Mauritius, Micronesia, Mongolia, Morocco, Mozambique, Myanmar, Namibia, Nepal, Nicaragua, Niger, Nigeria, Pakistan, Palau, Palestine, Panama, Papua New Guinea, Paraguay, Peru, Philippines, Rwanda, Samoa, Sao Tome and Principe, Senegal, Seychelles, Sierra Leone, Solomon Islands, Somalia, South Africa, South Sudan, Sri Lanka, St. Kitts and Nevis, St. Lucia, St. Vincent and the Grenadines, Sudan, Suriname, Swaziland, Syrian Arab Republic, Tajikistan, Tanzania, Thailand, Timor-Leste, Togo, Tonga, Turkmenistan, Tuvalu, Uganda, Uruguay, Uzbekistan, Vanuatu, Venezuela, Vietnam, Yemen, Zambia, Zimbabwe.

Countries Not Eligible For EU Funding



Countries not listed previously are not eligible for EU funding

In practice, those countries are mainly: Australia, Brazil, Canada, China, India, Japan, Mexico, New Zealand, Republic of Korea, Russia, United States.

In **very exceptional cases**, partners from those countries might be funded. But the following conditions have to be fulfilled:

- This partner has competences/expertise that no organisation in MS/AC has
- The relevant transfer of knowledge can only be done via a secondment in the direction TC → MS/AC
- Points a) and b) must be endorsed by the expert evaluators
- The experts' endorsement (point c) must be confirmed by the REA



I. Researchers funded in MSCA ITN

EARLY STAGE RESEARCHES (ESR)

- ❑ **ESR** should **be in their first 4 years of research experience** and no doctoral degree at the time of their first recruitment in the ITN.

***Full time equivalent research, FTE (investigación a tiempo completo):** is measured from the date when a researcher obtained the degree which would formally entitle him/her to embark on a doctorate, either in the country in which the degree was obtained or in the country in which the researcher is recruited, irrespective of whether or not a doctorate is or was ever envisaged.*

- ❑ **Mobility rule:** could not have resided or carried out their main activity in the country of the host institution for more than **12 months in the 3 years immediately prior to the first contract in the ITN**





Marie Curie
Actions

15 PhD positions in Reproductive & research REP-BIOTECH ITN-MSCA. Europe Doctorate in Biology and Technology of Rep Health



Add to My Favorites

15 PhD positions (3-years) are offered within the Marie Skłodowska-Curie grant agreement No. 675526, European Joint Doctorate in Biology and Technology of Reproduction. The individual research projects are detailed below.

These 3-year positions will begin in March-April 2016, but expressions of interest should be sent to repbiotech@um.es before November 30th 2015.

Description

Researchers must be in the first four years of their research careers and have not yet been awarded a doctoral degree at the time of recruitment. Admission to the programme is open to applicants who hold either 2nd Level Master Degree (120 ECTS + 180 ECTS in a bachelor degree) or a Single Cycle Degree (minimum 300 ECTS), or a comparable university degree (Second Cycle qualification), as required by the REP-BIOTECH partner universities for admission to doctoral studies.

The individual research projects are detailed below. The expressions of interest should be sent to repbiotech@um.es. The project title to which the application is addressed (maximum 3 projects) must be quoted in the title of the message.

Project 1. Associations between vitamin D and male reproductive parameters.

Project 2. Sex determination in cattle and pigs.

Project 3. Relationship between Nitric oxide (NO) in follicular fluid and sperm fertilization ability.

Requirements

Required Education Level

Degree	Master Degree or equivalent
--------	-----------------------------

Degree Field	Medical sciences
--------------	------------------

Degree	Master Degree or equivalent
--------	-----------------------------

Degree Field	Agricultural sciences
--------------	-----------------------

Degree	Master Degree or equivalent
--------	-----------------------------

Degree Field	Biological sciences
--------------	---------------------

Required Languages

Language	ENGLISH
----------	---------

Language Level	Good
----------------	------

Additional Requirements

Researchers can be of any nationality. They are required to undertake transnational mobility (i.e. move from one country to another) when taking up their appointment. Mobility rule: researchers must not have resided or carried out their main activity (work, studies, etc) in the country of recruitment for more than 12 months in the 3 years prior to the employment date.

No

Company/Institute
REPBIOTECH-ITN

Country
SPAIN

City
Murcia

Street
Physiology of Reproduction,
Veterinary Faculty, Campus
de Espinardo, Murcia

**EU Research
Framework
Programme**

II. ITN 2017 Call



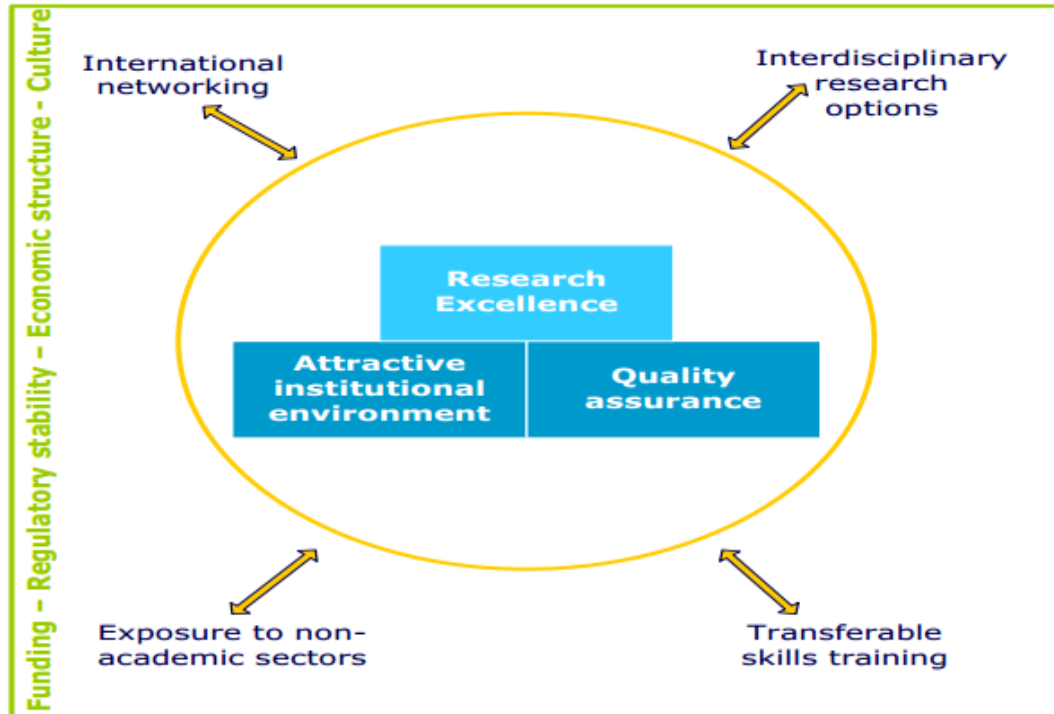
II. MSCA – ITN 2017: Objectives

- ❑ Train a new generation of **creative, entrepreneurial and innovative** researchers, able to face current and future challenges and to convert knowledge and ideas into products and services for economic and social benefit.
 - ❑ Raise the excellence and Structuring of European Doctoral Programmes
-
- Joint research **training/doctoral programmes** implemented by partnerships of universities, research institutions, businesses, SMEs and other socio-economic actors from different countries across Europe (and beyond).
 - Focus on scientific/ technological knowledge through research on **individual/personalised projects**
 - Exposure to **non-academic sector**
 - **Transferable skills training** e.g. communication, research management, IP, ethics, societal outreach, entrepreneurship



II. MSCA – ITN 2017: Excellent doctoral training

7 principles for Innovative Doctoral Training



- ✓ Research Excellence
- ✓ Attractive institutional environment
- ✓ Quality Assurance
- ✓ International Networking
- ✓ Interdisciplinary research options
- ✓ Exposure to non-academic sectors
- ✓ Transferable skills training

- http://ec.europa.eu/euraxess/pdf/research_policies/Principles_for_Innovative_Doctoral_Training.pdf
- http://ec.europa.eu/euraxess/pdf/research_policies/SGHRM_IDTP_Report_Final.pdf

II. Research Career Development (RCD)

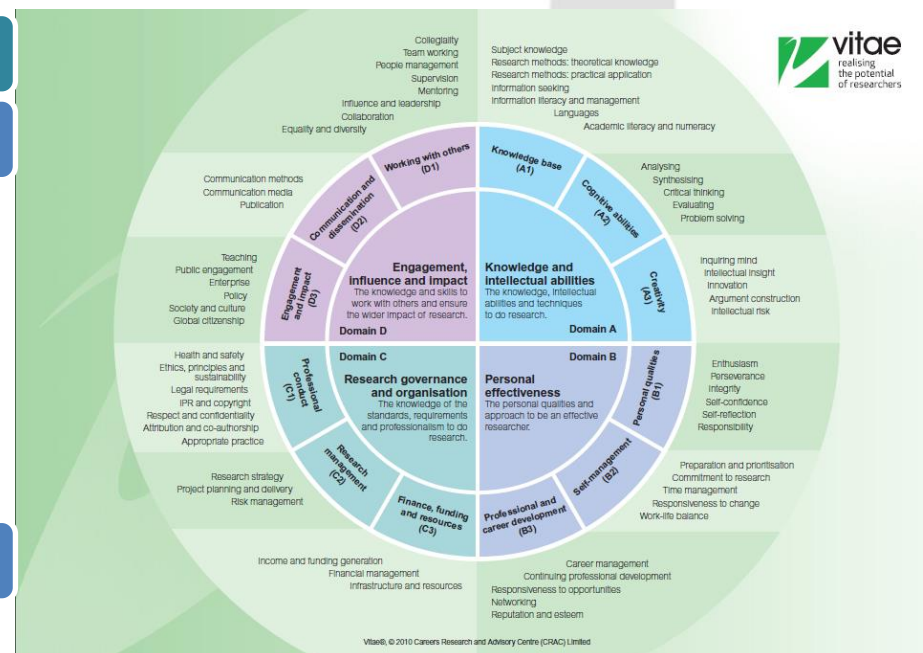
PIPERS (FP7)

AIMS

- European researchers need to **develop their abilities and skills** to facilitate their mobility (international, interdisciplinary, intersectoral) and be able to come up with the best science
- Member States and Institutions have to facilitate a change in the mindset and support research career development. To do so **they need recommendations on how to develop the right policies**
- Researchers have to be **responsible** for their own career development (self assessment, ...) and need to have available material to develop their skills

AUDIENCE

- Managers in public institutions
- Researchers
- Research career guidance experts
- HR



Research Development Framework RDF (ej: VITAE)

PIPERS and EURAXESS TOP III Projects:

<http://euraxess.es/eng/european-projects/pipers-policy-into-practice-euraxess-researcher-skills-for-career-development>

II. MSCA – ITN 2017: Main Characteristics and modes

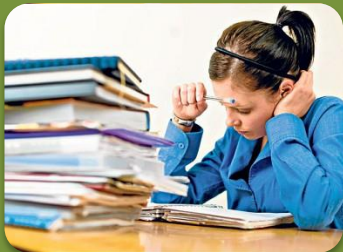
- Duration of projects: maximum **4 years**
- ITN is not a research project, it is a **research training programme**
- Maximum 540 researcher-months per consortium (ETN, EID, EJD): **15 ESR**
- Maximum 180 researcher-months for EID with 2 partners: **5 ESR**
- Separate **multidisciplinary** panels for EID and EJD
- **Consortium agreement** compulsory for all modes
- **Recruitment of researchers**: min. 3 months – max. 36 months
- Possibility of **Secondments** to other institutions in all modes

European Training
Networks
(ETN)

European Industrial
Doctorates
(EID)

European Joint
Doctorates
(EJD)

II. MSCA – ITN 2017: What is an ITN about?



Research and Hands on Training

- Seminars and workshop
- Local PhD training
- Summer School



Additional Training (Transferable Skills)

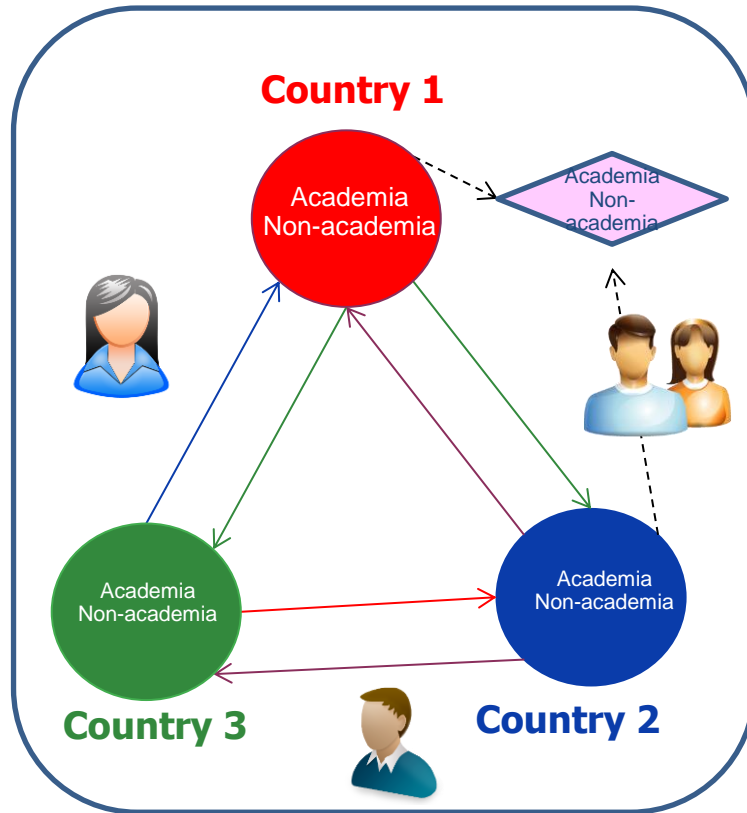
- Finding funding possibilities// How to write a proposal
- Project management // Financial issues
- Knowledge Transfer: patents, IPR....// Entrepreneurship
- Scientific Articles writing // Public Talks



And more

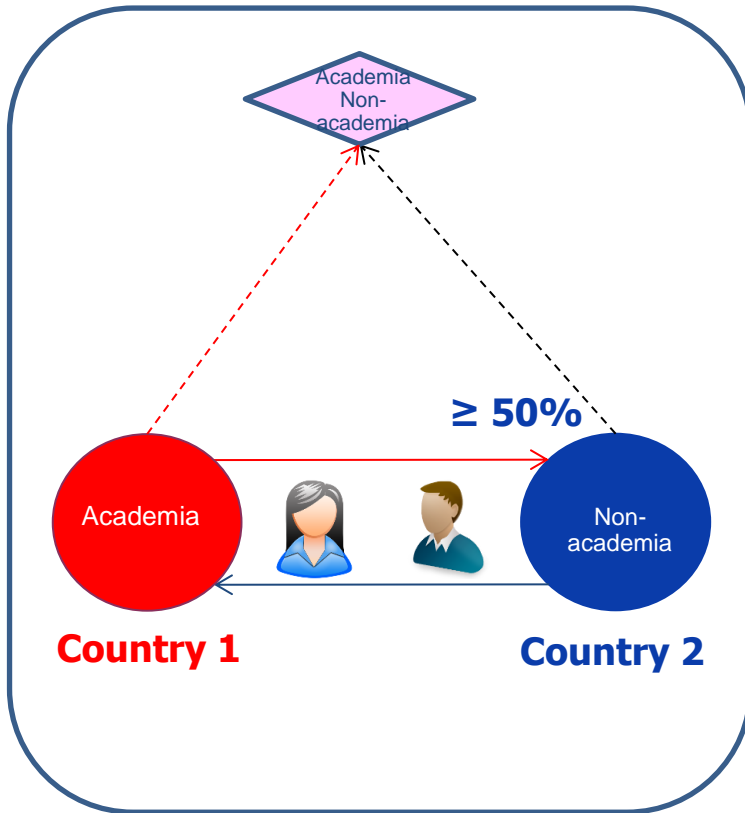
- Secondments, Collaboration
- Communication and Public Engagement
- Public Engagement
- Final users collaboration

II. MSCA – ITN 2017: ETN mode



- **Minimum 3 beneficiaries**
- 3 countries (MS/AC)
- Typical size: 6-10 participants
- Each beneficiary must **recruit and host at least one researcher** at its premises
- Participation of **non-academic sector** considered essential
- **Max. 540 Re/Mo** for the network: **15 ESR**
- **Secondments up to 30%** of the researcher recruitment period
- **Joint supervision** encouraged
- Consortium Agreement compulsory
- **Max. 40%** of total budget to one country

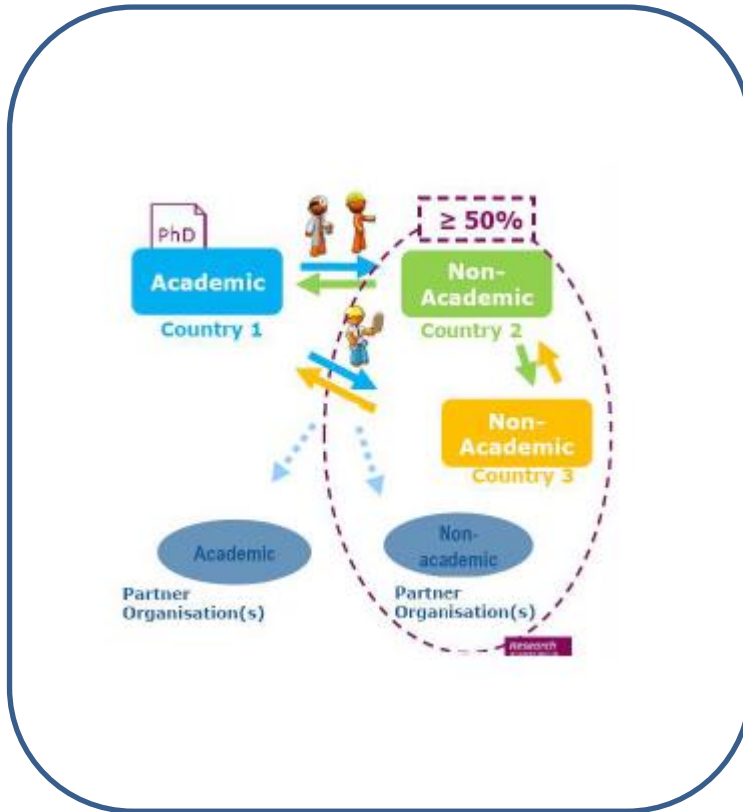
II. MSCA – ITN 2017: EID mode (1)



2 beneficiaries:

- 1 academic and 1 non-academic
- 2 countries (MS/AC)
- **Max. 180 ESR/Mo (5 ESR)**
- **PhD enrollment**
- **> 50%** of time at non-academic sector: at beneficiaries or P.O.
- This **intersectoral mobility** must be between participating organisations **located in different countries**.
- Joint supervision & Consortium Agreement
- If the academic beneficiary is not entitled to award a doctoral degree, then the university / grouping of academic institution have to be included as P.O

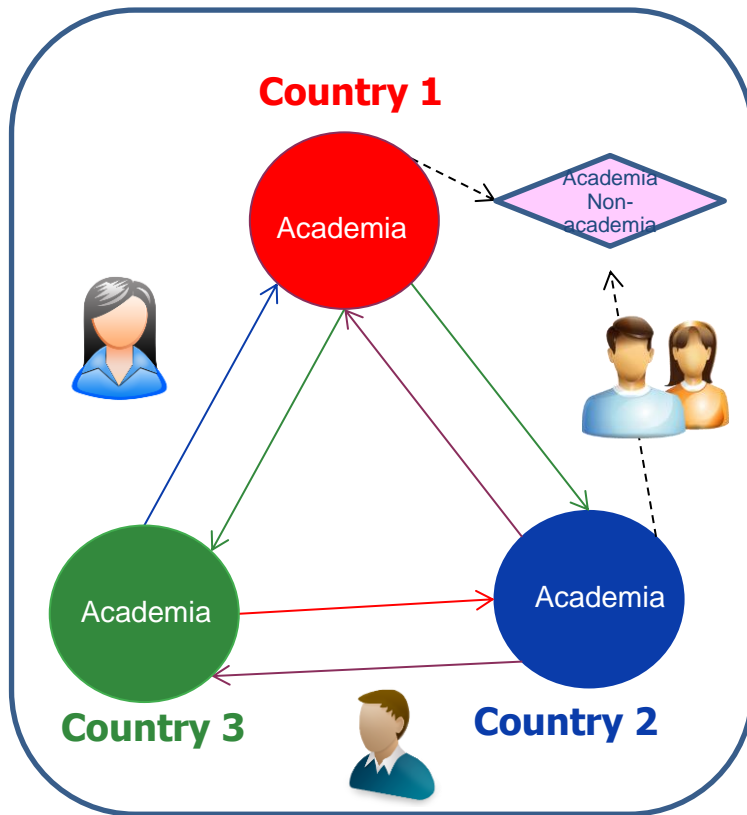
II. MSCA – ITN 2017: EID mode (2)



If > 2 beneficiaries,:

- 1 academic and 1 non-academic
- 2 countries (MS/AC)
- additional beneficiaries any sector, any country
- **Max. 540 ESR/Mo (15 ESR)**
- > 50% of time at non-academic sector
- **International an intersectoral secondments**
- Joint supervision (joint selection, supervision, monitoring and assesment procedures) & Consortium Agreement
- PhD enrollment
- **Max. 40% of total budget to one country**

II. MSCA- ITN 2017: EJD mode



- **Minim. 3 beneficiaries** 3 MS/AC
- All entitled to award doctoral degrees
- **Additional beneficiaries or partner organisations from any country, sector and discipline;** Participation of non-academic sector encouraged
- **Mandatory enrollment** of ESRs in the joint doctoral programme
- **Mandatory provision of joint, double or multiple degrees**
- Letters of institutional commitment signed by a legal representative needed in the proposal
- **Max. 540 ESR/Mo (15 ESR)**
- Joint governance structure, Consortium Agreement
- **Max. 40% of total budget to one country**

II. MSCA ITN 2017: Secondments

- ❑ Up to **30% of recruitment time (ETN)** – máx. 10,8 months
- ❑ **50% of recruitment time** in non-academic sector (**EID**)
- ❑ **EJD**: depends on time requested by institution to provide joint / doble degrees
- ❑ **The host Institution pays for the accommodation and subsistences expenses** during secondment period.
- ❑ ESRs will receive **training and supervision** from the Beneficiary / Partner Organisation where he / she carries out the secondment.



II. MSCA ITN 2017: Consortium Agreement

- ☐ **Compulsory** in all modes, advice: prior to GA signature
- ☐ EC will request a deliverable if project funded.
- ☐ **Private agreement** between beneficiaries where essential information has to be included (funds management, IPR, recruitment processes, management structures and roles, redistribution of funds, etc.)
- ☐ Good practice: include partner organisations
- ☐ <http://www.desca-2020.eu/> + specific models for MSCA LERU / KOWI
- ☐ Understanding and good dialogue to avoid further issues.

consortium
agreement



II. MSCA ITN 2017: financing

MSCA	RESEARCHER UNIT COST [PERSON/MONTH]			INSTITUTIONAL UNIT COST [PERSON/MONTH]	
	Living allowance*	Mobility allowance	Family allowance	Research, training and networking costs	Management and overheads
ITN	3.110	600	500	1.800	1.200

RESEARCHER UNIT COST

Living Allowance:

- Country coefficient correction applies
- Gross EU contribution (then reduction of taxes, Social Security, company taxes...)
- Annual budget: $3.110 \times 12 = 37.320\text{€}$

Family Allowance: determined at the recruitment date

INSTITUCIONAL UNIT COST

Research, training and networking costs:

- purchase of materials, meetings, travel to workshops, organisation of training courses, fees...

Management and overheads:

- Indirect costs to be used by institution
- Possible redistribution between members of the consortium

II. MSCA – ITN 2017: Overview table

Overview Table

		ETN	EID		EJD
			2 Beneficiaries	≥ 3 Beneficiaries	
BENEFICIARY (IES)	Minimum No. of beneficiaries	3	2	3	3
	Minimum MS or AC	3	2	2	3
	Academic sector	No restrictions	Minimum 1		Minimum 3 entitled to award doctoral degrees
	Non-academic sector	No restrictions	Minimum 1		No restrictions
	Max no. of person months	540	180	540	540
	Max 40.0% budget for 1 country	Mandatory	N/A	Mandatory	Mandatory
Beneficiary (or partner organisation) awarding PhD		Optional	Mandatory (1 beneficiary or partner organisation)		Mandatory for minimum 3 beneficiaries
Joint award of PhD		Optional	Optional		Mandatory
Joint degree – letter of institutional commitment		N/A	N/A		Mandatory
Joint supervision for ESRs		Encouraged	Mandatory (from the 2 sectors)		Mandatory
ESRs enrolment in the PhD		Optional	Mandatory		Mandatory
Intersectoral mobility must be international		Optional	Mandatory		Optional
Secondments: international, intersectoral, interdisciplinary		≤ 30%	Min 50% stay in the non-academic sector		≤ 30%
Partner Organisation: Letter of Commitment		Mandatory			
Ranking lists		8 (Scientific) panels	1 Multidisciplinary		1 Multidisciplinary
Budget		€370 mn	€28 mn		€32 mn

II. MSCA – ITN 2017: Timing

Call ID	Opens	Closes	Budget
H2020-MSCA-ITN-2017	15-Sept-2016	10-Jan-2017	430.00 M€ ETN: 370M€ EID: 28M€ EJD: 32M€

- ✓ Publication of the call: 15 September 2016
- ✓ Closing of the call: 10 January 2017
- ✓ Evaluation of Proposals: March 2017
- ✓ Results of the Evaluation: June 2017
- ✓ Signing the Grant Agreements: September 2017

II. An ETN example

CONSORTIUM



PARTNER ORGANISATIONS



This ETN directly addresses some of these critical skill needs, going beyond the above goals as it covers the inter-disciplinary nature of data science, data management, data storage, and data analysis / computing; combined with understanding the needs from the domains of social sciences, cosmology, medicine and climate science.

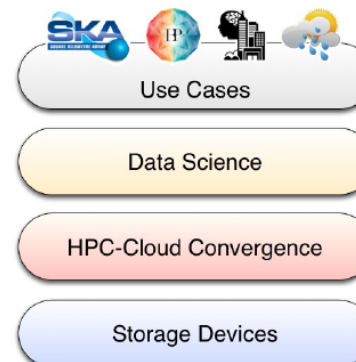
Project overview

Data Science

- Modelling Big Data processing
- Energy-efficient analysis
- Data-driven decision making for Big Data applications

HPC-Cloud Convergence

- Applications
- Middleware, operating in the cloud and HPC environments
- Infrastructure for Storage and Computing



Energy

Storage Devices

- Storage acceleration
- Storage convergence
- Storage isolation

Energy

- Compression or de-duplication for storage footprint reduction
- Hints from application to storage system, enabling energy consumption reduction

II. An ETN example

- Training schools + Workshops :
 - Initial Training School (Topics: Big Data, Storage, HPC, Cloud, Data Science and Energy) (2 weeks long)
 - 1st Summer School (Topic: Data Science) + Workshop (1 week long)
 - 2nd Summer School (Topic: Storage Solutions) + Workshop (1 week long)
 - Short Training School (Topic: HPC and Cloud convergence) + Workshop (4 days long)
- Seminars:
 - Seminar about IPR issues
 - Seminar about Commercial exploitation of results
 - Seminar about Entrepreneurship
- Courses:
 - Language courses
 - Scientific writing and presenting
- Secondments and internships

<http://bigstorage-project.eu/>



ON-GOING PROJECTS

- 1 - Efficient data transfer and streaming strategies for workflow-based Big Data processing
- 2 - Multicriteria Decision Support Systems for efficient Big Data analysis
- 3 - Predictive Models for Big Data
- 4 - Unifying HPC and Cloud storage
- 5 - Data placement via code inspection
- 6 - I/O steering for Big Data and HPC
- 7 - Elasticity in Cloud Computing and HPC storage solutions
- 8 - Big Storage Handling/Big Data Processing
- 9 - Storage blobs hosted in the cloud
- 10 - Storage architectures using emerging storage devices
- 11 - NVRAM technologies and HPC
- 12 - Informed IO data Placement
- 13 - Energy-impact of data consistency management in Clouds and Beyond
- 14 - Data reduction through novel I/O interfaces
- 15 - Estimation of IT data center energy consumption for predicted workload allocation

II. MSCA – ITN 2017: an ETN example

B/S/H/

Project overview | Consortium

■ MAXIMUM GRANT AMOUNT PER BENEFICIARY

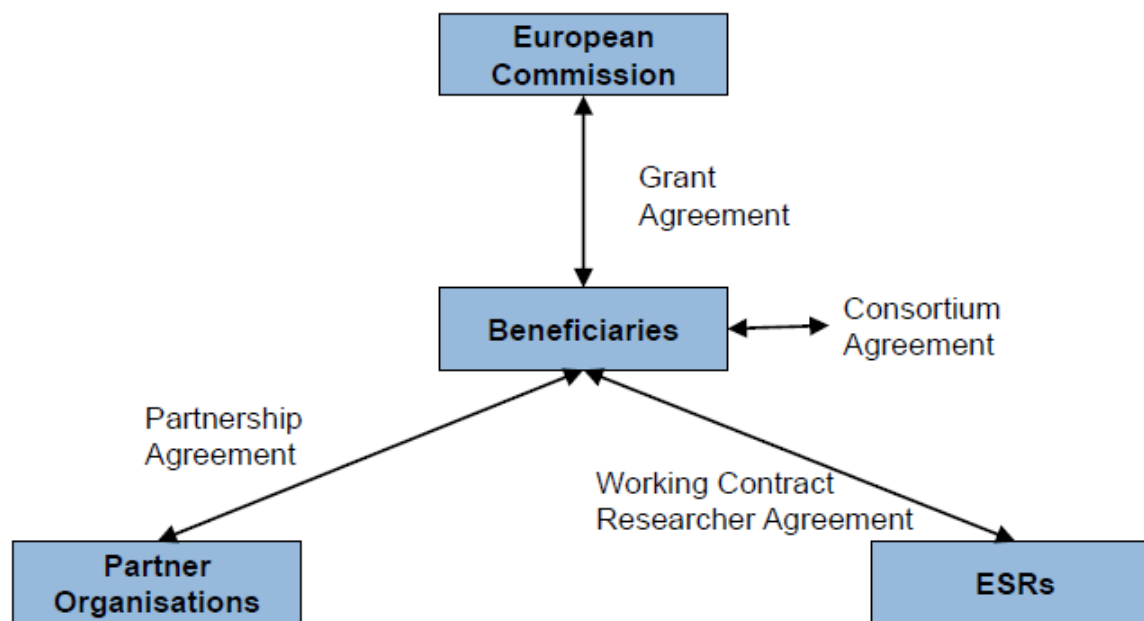
Beneficiaries	Country	Number of ESRs	Grant (€)
BSH	SPAIN	1	247.872,96
AIRBUS	GERMANY	1	249.216,48
FRAUNHOFER	GERMANY	2	498.432,96
UTWENTE	THE NETHERLANDS	2	510.748,56
U.P.MADRID	SPAIN	2	495.745,92
ALPHANOV	FRANCE	1	262.875,60
CNR	ITALY	1	258.061,32
U BIRMINGHAM	UNITED KINGDOM	2	546.575,76
IPF	GERMANY	1	249.216,48
BOSCH	GERMANY	1	249.216,48
Total (10)	6/10	14	3.567.962,52

EUROPEAN ESRs NETWORK ON SHORT PULSED LASER MICRO/NANOSTRUCTURING OF SURFACES FOR IMPROVED FUNCTIONAL APPLICATIONS (LASER4FUN)

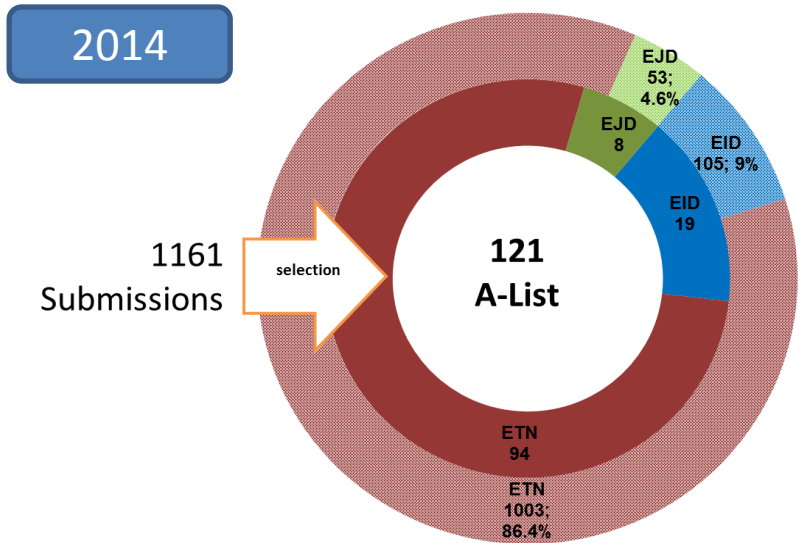
II. MSCA – ITN 2017: an ETN example

B/S/H/

Project management | **Project relationship**



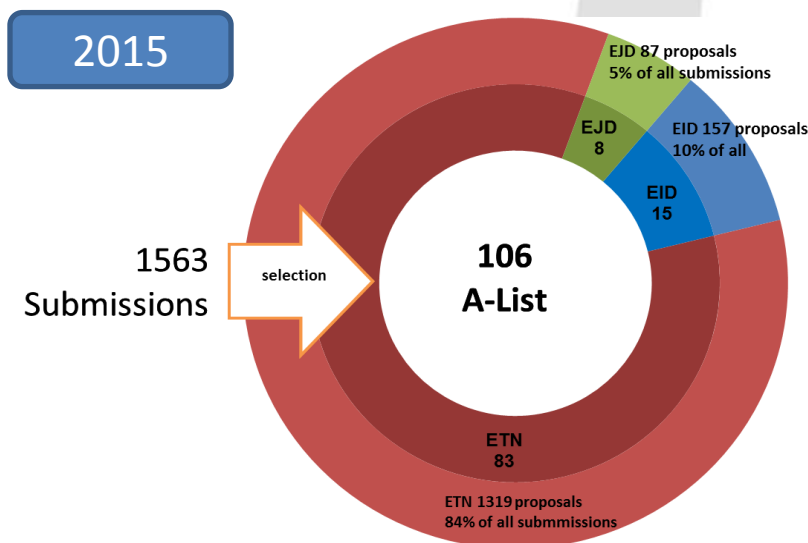
II. Data participation 2014/2015: submitted vs. Funded



Success rate (evaluated proposals)

ETN	EID	EJD
9,4%	18,8%	15,4%

Datos EC data, nov.2014



Success rate

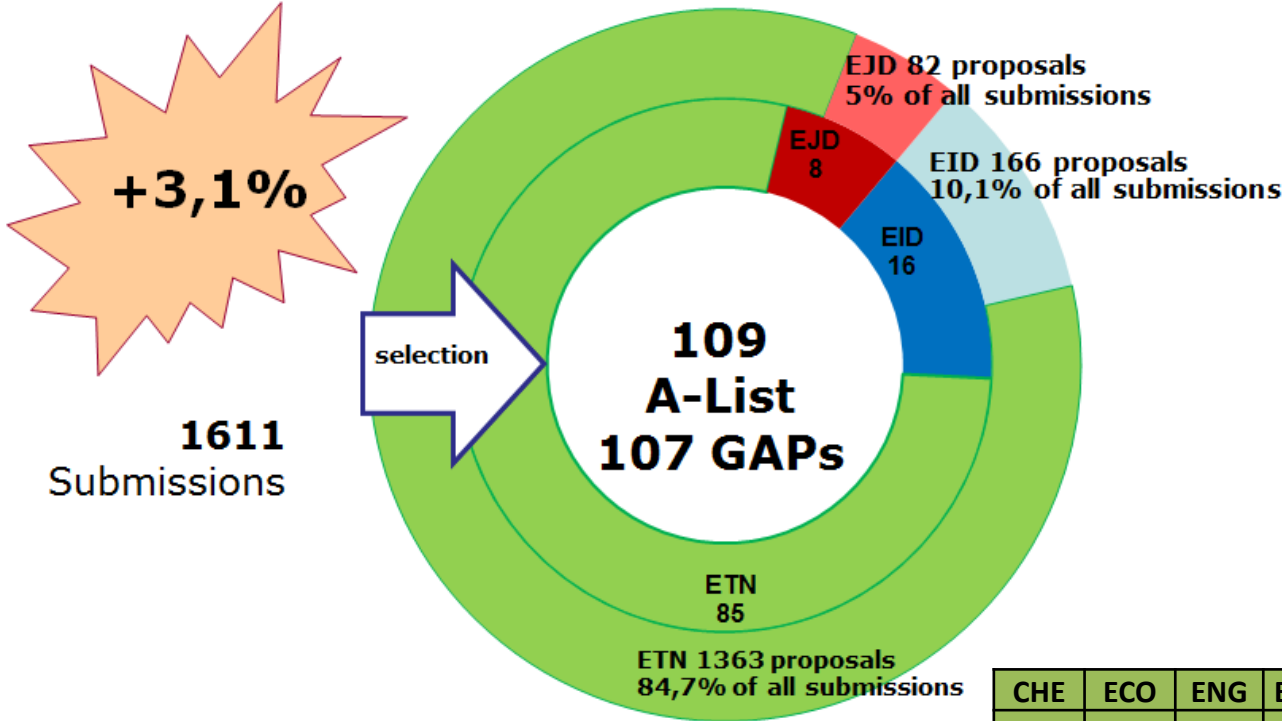
ETN	EID	EJD	Total
6,3%	9,6%	9,2%	6,8%

EC Data, sept. 2015

II. Data participation 2016: submitted vs. Funded

European
Commission

ITN 2016: Submitted & A-list proposals

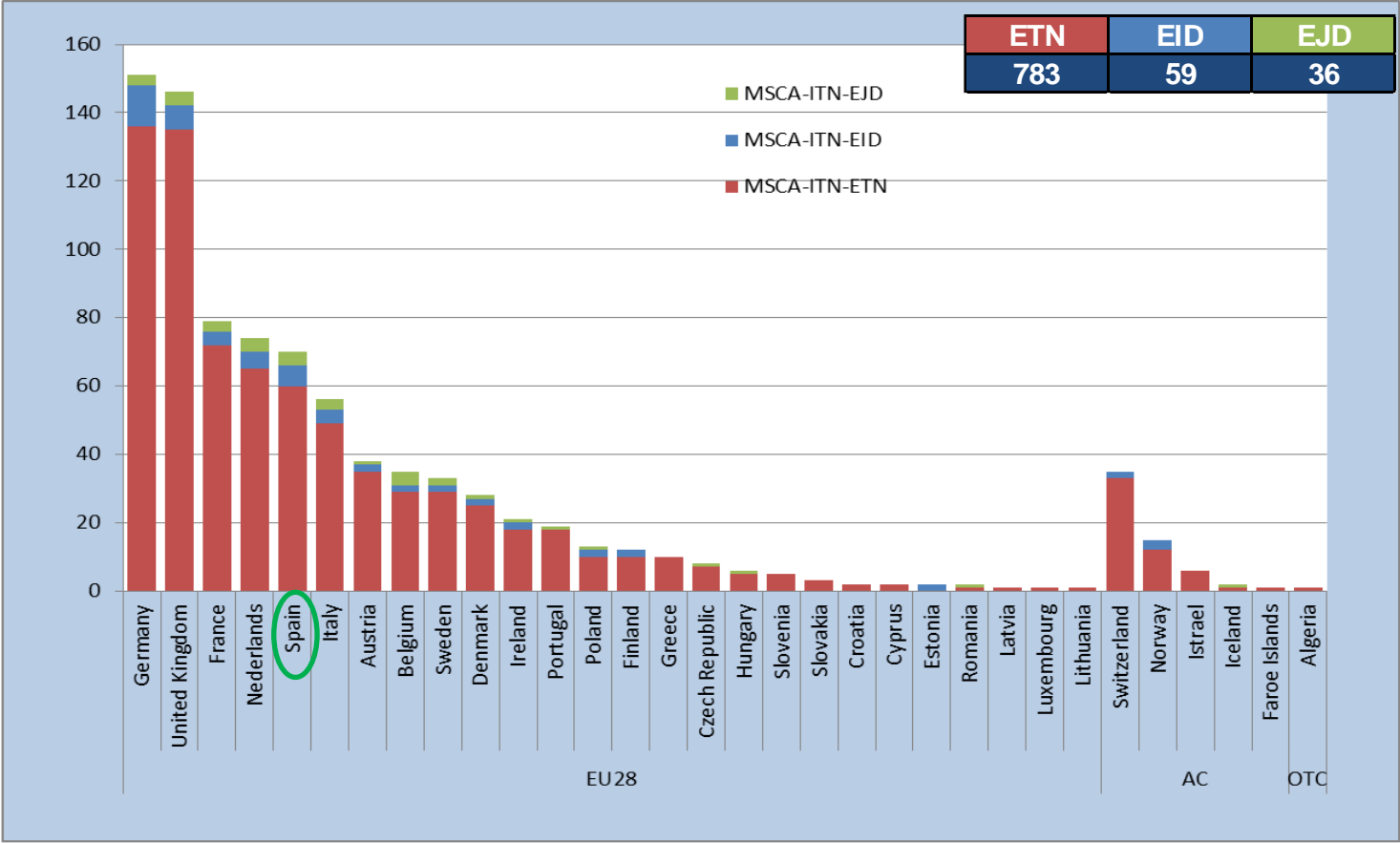


SUCCESS RATE

CHE	ECO	ENG	ENV	LIF	MAT	PHY	SOC	EID	EJD
6%	8%	6%	6%	7%	6%	6%	7%	13%	10%

EC data, mar. 2016

II. Beneficiaries ITN 2015: funded participations



ETN	EID	EJD
783	59	36

ES

1102 participations,
70 have been funded

Participes in 51/106
funded projects

Success rate: 6,4%

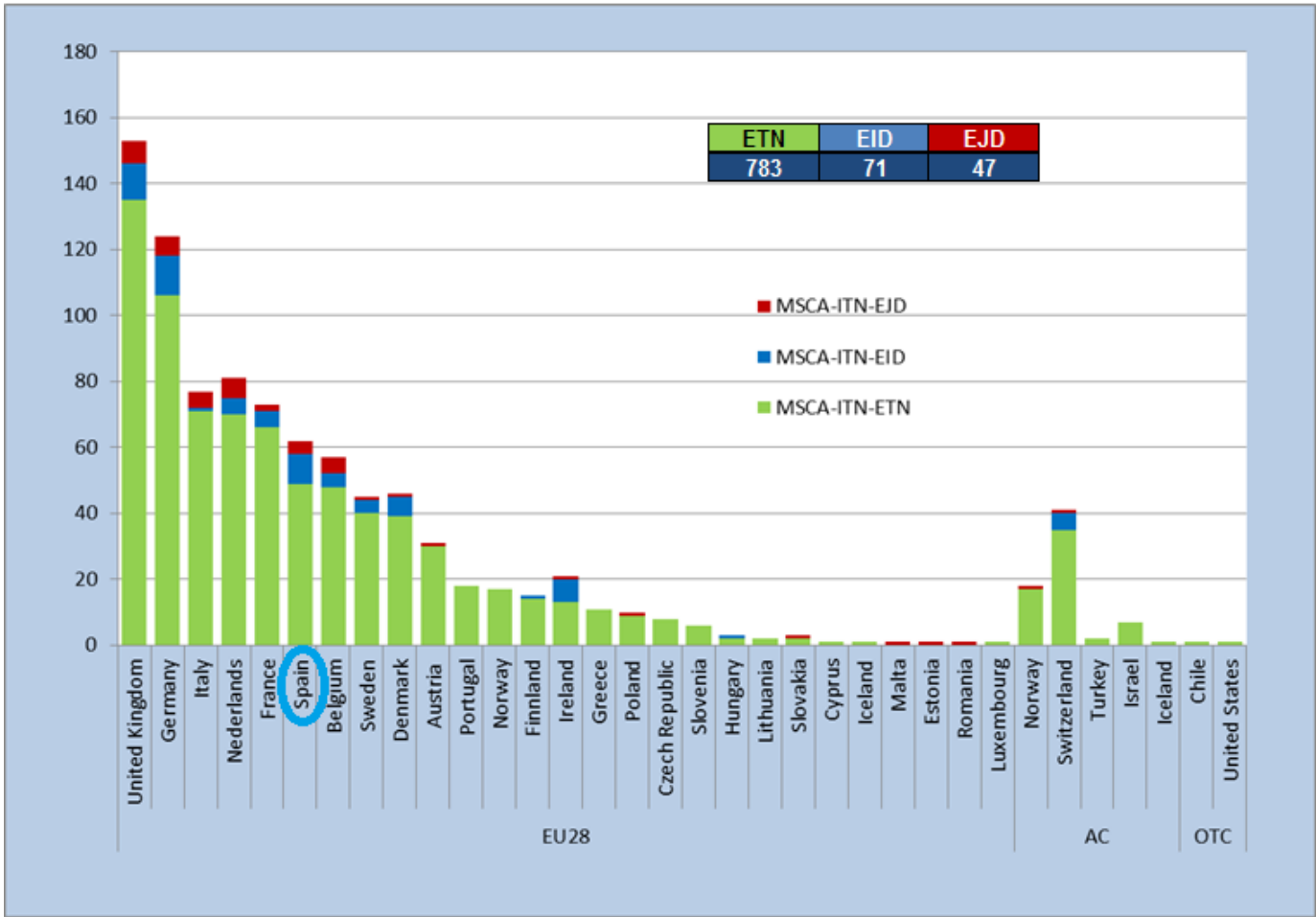
Coordinates 12
projects

5º country: 27,7M€

EC Data, sept.2015



II. Beneficiaries ITN 2016: funded participations



ES

1117 participations,
62 have been funded

Participes in 43/109
funded projects

Success rate: 5,5%

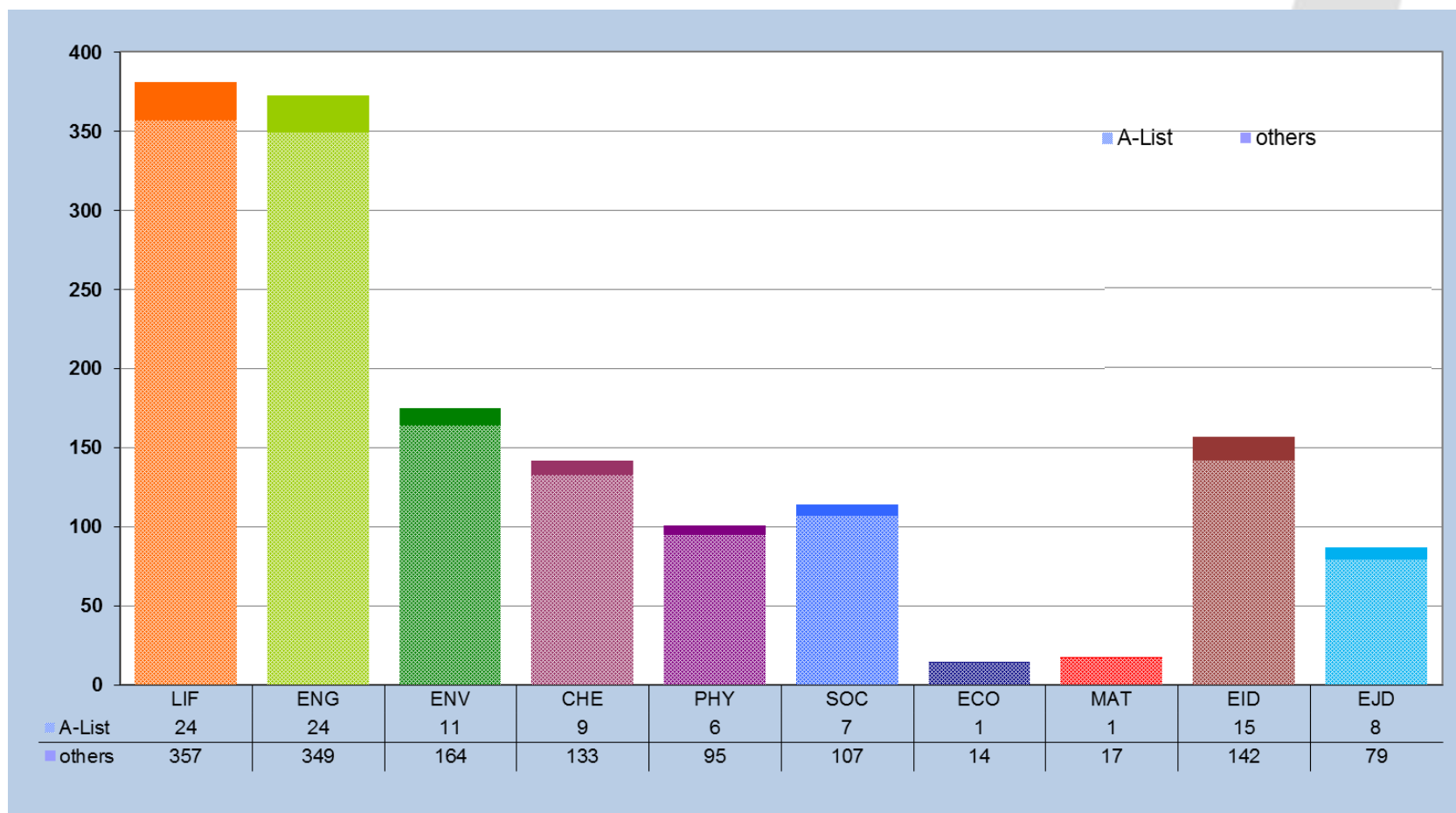
Coordinates 8 projects

6º country: 23,05M€

EC Data, jun. 2016

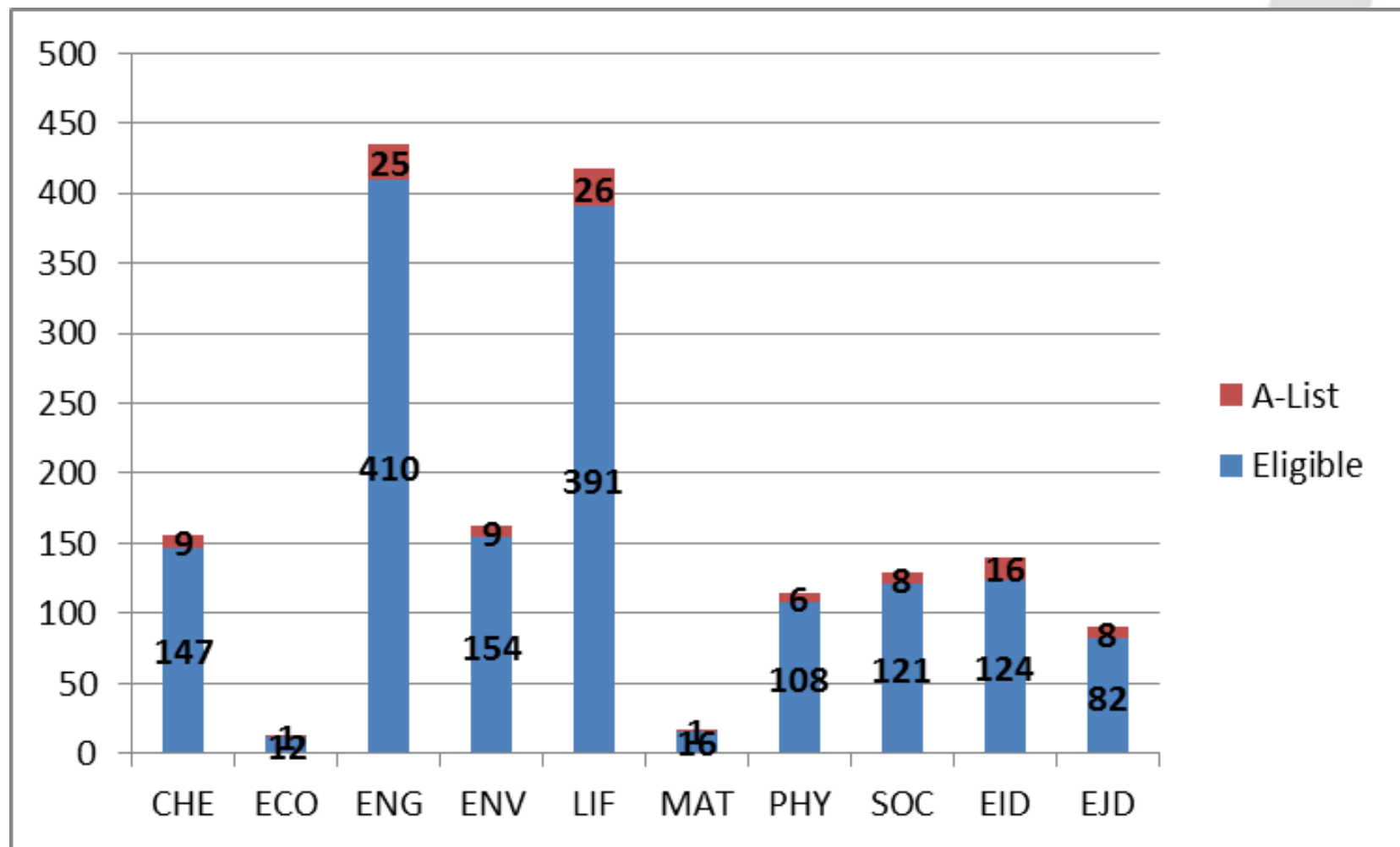


II. ITN 2015: Eligible and A-list proposals by panel



EC Data, sept. 2015











II. ITN 2016: Eligible and A-list proposals by panel













EC Data, jun. 2016

II. ITN Cut-off notes











ITN 2014

	CHE	91,6 (13)
	PHY	93,8 (8)
	MAT	90 (1)
	LIF	93,2 (27)
	ECO	95 (1)
	ENG	92,6 (26)
	SOC	94,8 (6)
	ENV	91 (12)
	EJD	85,2 (8)
	EID	87 (19)

ITN 2015

	CHE	93,4 (9)
	PHY	95,2(6)
	MAT	88,4 (1)
	LIF	95,2 (24)
	ECO	92,4 (1)
	ENG	94,4 (24)
	SOC	95,2 (7)
	ENV	92,8 (11)
	EJD	92,6 (8)
	EID	92 (15)

ITN 2016

	CHE	94 (9)
	PHY	93,6(6)
	MAT	85,4 (1)
	LIF	93,8 (26)
	ECO	98,8 (1)
	ENG	93 (25)
	SOC	97,4 (8)
	ENV	95,4 (9)
	EJD	94 (8)
	EID	92 (16)

III. ITN 2017 Evaluation

III. MSCA – ITN 2017: Evaluation

Evaluation Criteria

Criteria	Weight	Priority (ex.aequo)
Excellence	50%	1
Impact	30%	2
Implementation	20%	3

- Overall Threshold 70%
- No individual overall

Part B: technical proposal

Document 1:

Start Page
Table of Contents
List of Participants

1. Excellence
2. Impact
3. Implementation

Page limit: 30
No limit per section

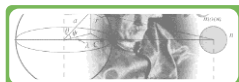
Document 2:

4. Gantt Chart
5. Capacities of the Participating Organisations
6. Ethical Aspects
6. Letters of Commitment

III. MSCA – ITN 2017: Evaluation panels



Chemistry (CHE)



Physics (PHY)



Mathematics (MAT)



Life Sciences (LIF)



Economic Sciences (ECO)



ICT and Engineering (ENG)



Social Sciences & Humanities (SOC)



Earth & Environmental Sciences (ENV)



European Joint Doctorate (EJD)



European Industrial Doctorate (EID)

ETN: 8 scientific panels

EID + EJD: multidisplinar panels

III. MSCA ITN 2017: Evaluation Criteria

Excellence 50%	Impact 30%	Quality and Efficiency of the Implementation 20%
Quality, innovative aspects and credibility of the research programme (including inter / multidisciplinary, intersectoral and, where appropriate, gender aspects)	Enhancing the career perspectives and employability of researchers and contribution to their skills development	Coherence and effectiveness of the work plan , including appropriateness of the allocation of tasks and resources (including awarding of the doctoral degrees for <i>EID</i> and <i>EJD</i> projects)
Quality and innovative aspects of the training programme (including transferable skills, inter/multidisciplinary, intersectoral and, where appropriate, gender 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 <i>EJD</i> projects only)	Appropriateness of the management structures and procedures , including quality management and risk management (with a mandatory joint governing structure for <i>EID</i> and <i>EJD</i> projects)
Quality of the supervision (including mandatory joint supervision for <i>EID</i> and <i>EJD</i> projects)	Quality of the proposed measures to exploit and disseminate the project results	Appropriateness of the infrastructure of the participating organisations
Quality of the proposed interaction between the participating organisations	Quality of the proposed measures to communicate the project activities to different target audiences	Competences, experience and complementarity of the participating organisations and their commitment to the programme

III. MSCA ITN 2017: Excellence

Excellence 50%

Quality, innovative aspects and credibility of the research programme (including inter / multidisciplinary, intersectoral and, where applicable, gender aspects)

Quality and innovative aspects of the training programme (including transferable skills, inter/multidisciplinary, intersectoral and, where applicable, gender aspects)

Quality of the supervision (including mandatory joint supervision for *EID* and *EJD* projects)

Quality of the proposed interaction between the participating organisations

QUALITY OF THE RESEARCH PROGRAMME

- ☐ Establish clear, measurable **research objectives** in relation with the State of the Art
- ☐ Describe the **research methodology** used , mentioning identified risks and contingency plans
- ☐ Stress the originality **and innovative aspects** of the project: ¿why is this ITN to be funded?

QUALITY OF THE TRAINING PROGRAMME

- ☐ Balance between individual training and networking activities.
- ☐ Importance of the **Career Development Plan (CDP)**
- ☐ **Concrete information** on Phd training, networking activities...
- ☐ **Secondments**: need to have an impact, non-academic sector to have a “real” role.

QUALITY OF SUPERVISION

- ☐ Show the institution /Supervisor **quality / excellence** concerning training to be given (nº of phd mentored....)
- ☐ Describe the joint supervision modes.

III. MSCA ITN 2017: Impact

Impact 30%

Enhancing the **career perspectives** and **employability** of researchers and contribution to their **skills** development

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)

Quality of the proposed measures to exploit and **disseminate** the project results

Quality of the proposed measures to **communicate** the project activities to different target audiences

Explain the impact of the training through research in the fellows' career:

- Capacities.
- Career perspectives
- Contact with the non-academic sector...

- The project will contribute to improve collaboration / structuring european doctorates
- Improve innovation in Europe
- ...

III. MSCA ITN 2017: Implementation

Implementation 20%

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)

Appropriateness of the management structures and procedures, including quality management and risk management (with a mandatory joint governing structure for *EID* and *EJD* projects)

Appropriateness of the infrastructure of the participating organisations

Competences, experience and complementarity of the participating organisations and their commitment to the programme

- Coherence in the WPs, deliverables, milestones...
- Adequate resources / infrastructures to carry out activities...

- Management procedures and structures
- Supervisory board: including beneficiaries, P.O, ESR representatives, external stakeholders...
- Risk management, Quality Management ...

III. Horizontal issues : RRI aspects

RRI focus on 6 policies:

1. **Public engagement**
2. **Gender equality**
3. *Science education*
4. *Open access*
5. **Ethics**
6. *Governance*

- ☐ Science with and for society, including all actors in the process and results
- ☐ Cross-cutting issue in Horizon 2020



III. Horizontal issues: Gender Aspects

Gender now explicitly mentioned in the evaluation sub-criteria for research/training for all MSCA

In your proposal, you should describe:

- **Gender balance:** equality in decision making, recruitment, supervisory arrangements
- **Gendered Innovations:** any gender aspects in relation to the research e.g. cardiovascular research, crash-test dummies, ITC devices, voice recognition
- **Gender Training:** training in gender balance/gendered innovations for the ESRs



<http://genderedinnovations.stanford.edu>

<http://ec.europa.eu/research/swafs/index.cfm?pg=policy&lib=gender>



III. Horizontal issues: Communicate your results!

Outreach

- Reaching a **big audience** (presentations at schools, seminars, visits to labs...). Looking for interactive activities.
- Inform **the general public of the benefits** / results of the research carried out (European Researchers' **Night**, EU Open Days, MSCA Ambassadors...)



Communication activities

Articles in newspapers, journals, TV and radio programmes. Needs a clear language and an attractive scientific topic with results in order to attract the public interest

Open Access – **Open Data** (Dissemination of results)



Have a RRI (responsible research and innovation) approach in your project



III. Horizontal issues: Ethical Aspects

All proposals will undergo an ethics review

- Human Embryos / Foetuses
- Humans
- Human Cells / Tissues
- Protection of Personal Data
- Animals
- Third Countries
- Environmental Protection and safety
- Dual Use
- Misuse
- Other Ethics Issues

Participants have to:

- **Identify** all potential ethical aspects
- Explain their future **management**
- Give a detailed explanation at **proposal stage**

Description on Ethics:

- Ethic Issues Table en part A
- Ethics Self-Assessment en part B

Participant Portal H2020 Ethics section: http://ec.europa.eu/research/participants/docs/h2020-funding-guide/cross-cutting-issues/ethics_en.htm

Ethics issues table-Checklist: http://ec.europa.eu/research/participants/portal/doc/call/h2020/h2020-msca-itn-2014/1597698-itn_2014_-_ethics_issues_checklist_en.pdf

Ethics Guidance

http://ec.europa.eu/research/participants/portal/doc/call/h2020/h2020-msca-itn-2015/1620147-h2020_-_guidance_ethics_self_assess_en.pdf

III. Horizontal Issues: HR Excellence in Research

2 Key Documents: “Charter and Code”

- European Charter for Researchers
- The Code of Conduct for the Recruitment of Researchers

http://ec.europa.eu/euraxess/pdf/brochure_rights/eur_21620_es-en.pdf



HR Excellence in Research (HRS4R)

- Have the organisations implemented it? In the process of obtaining the HR Excellence in Research? Explain it.
- Use the OTM-R toolkit!

<http://ec.europa.eu/euraxess/index.cfm/rights/strategy4Researcher>



HR EXCELLENCE IN RESEARCH



III. General tips to submit a good proposal

☐ Read the Call Documents:

- ✓ Work Programme, Guide for Applicants, Horizontal Issues: Gender / Ethic Issues, etc, FAQ

☐ Use the official template:

- ✓ **“A picture is worth a thousand words”**: use visuals to provide global information at a glance.
- ✓ Be aware of all criteria weight, it is not all about Excellence!

☐ Ask for support:

- ✓ Own institution: European Projects Offices / Transfer of Technology Offices / HR Departments
- ...
- ✓ National Contact Points

☐ Do not leave it for the last minute!

- ✓ Get familiar with the Participants ' Portal
- ✓ Upload a version, you will be able to rewrite it.



Thank you very much!

R I S E
F U N D I N G
A C A D E M I C
N O N - A C A D E M I C
N E T W O R K
I N T E R - S E C T O R
T R A N S F E R

SPANISH NATIONAL CONTACT POINTS MSCA

Cristina Gómez

Cristina.gomez@oficinaeuropea.es

Oficina Europea MINECO / FECYT

Jesús Rojo

Jesus.rojo@madrimasd.org

Fundación para el Conocimiento Madri+d

USEFUL LINKS

- Research and Innovation Participants ' Portal : <http://ec.europa.eu/research/participants/portal/desktop/en/home.html>
- Web and Blog Marie Curie Sklodowska-Curie Actions: <http://mariecurieactions.blogspot.com.es/> - <http://www.madrimasd.org/blogs/msca>
- European Charter & Code: http://ec.europa.eu/euraxess/pdf/brochure_rights/eur_21620_es-en.pdf
- EURAXESS Spain: <http://www.euraxess.es/> (noelia.romero@fecyt.es) + EURAXESS CAT (AGAUR)
- Oficina Europea MINECO/FECYT: <http://eshorizonte2020.es>

