

Oportunidades de colaboración UDC – Empresa en H2020 e outros programas internacionais de I+D

SILO FUNDING

5 de novembro de 2018



Bloque I – Oportunidades de colaboración Universidade-Empresa: Accións colaborativas Marie Skłodowska-Curie (MSCA) do Programa H2020, Instrumento PEME do Programa H2020

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2. Instrumento Pyme

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Excellent Science

European Research Council (ERC)

Future & Emerging Technologies (FET)

Marie Skłodowska-Curie Actions (MSCA)

Research Infrastructures

Industrial Leadership

Leadership in Enabling and Industrial Technologies

Access to Risk Finance

Innovation in SMEs

Societal challenges

Health, demographic change and wellbeing

Food security, sustainable agriculture, forestry, marine, maritime, inland water and bio-economy

Secure, clean and efficient energy

Smart, green and integrated transport

Climate action, environment, resource efficiency and raw materials

Inclusive, innovative and reflective societies

Secure societies – protecting freedom and security of Europe and its citizens

Spreading Excellence and Widening Participation

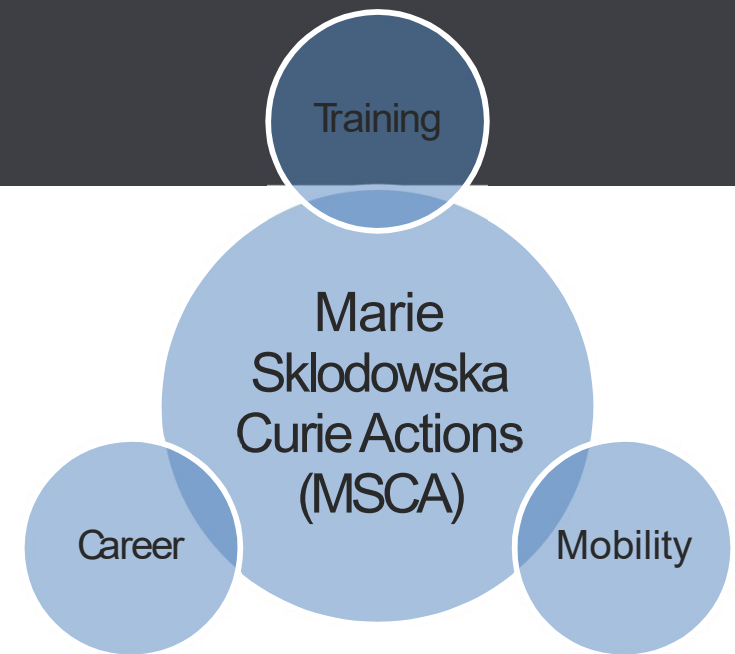
Science with and for Society

EIT

JRC



MSCA Objectives

- Excellent Science Pillar – Horizon 2020 (6,1M€)
- **Bottom-up approach**
- Funding based on **Unit Costs**
- 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



MSCA in H2020 - Summary

Marie Skłodowska-Curie Actions

 ITN Innovative Training Networks	 IF Individual Fellowships	 RISE Research & Innovation Staff Exchange	 COFUND Co-Funding of Regional, National & International Programmes
What does it offer? High-quality research training delivered through interdisciplinary networks, industrial doctorates or joint doctorates.	What does it offer? Opportunities to work on personal research projects by moving between countries and possible sectors to acquire new skills.	What does it offer? The exchanges of staff members involved in research and innovation to develop sustainable collaborative projects and the transfer of knowledge.	What does it offer? Regional national or international programmes to foster excellence in training mobility and career development of researchers
Who applies? International networks of research organisations from the academic and non-academic sectors	Who applies? Individual researchers together with the host organisations	Who applies? International networks of research organisations from the academic and non-academic sectors	Who applies? Organisations funding or managing doctoral or fellowships programmes
Who is funded? Researchers at doctoral level (less than 4 years of full-time research experience and no doctoral degree)	Who is funded? Postdoctoral researchers	Who is funded? Researchers, technical administrative and managerial staff of any nationality and at all career levels	Who is funded? Researchers at doctoral and postdoctoral level
Call Deadline: 15/01/2019 Call Budget (Mn€): 470	Call Deadline**: September 2019 Call Budget (Mn€): ~ 250	Call Deadline**: 02/04/2019 Call Budget (Mn€): 80	Call Deadline**: September 2019 Call Budget (Mn€): 90

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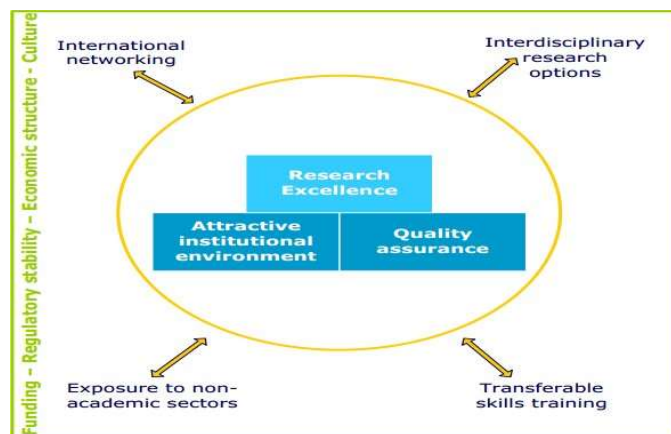
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- 1. Acciones colaborativas Marie Skłodowska-Curie**
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MSCA ITN 2019 – Objetivos

- **To train** a new generation of **creative, entrepreneurial and innovative early-stage researchers** able to face current and future challenges and to convert knowledge and ideas into products and services for economic and social benefit.
- **To raise excellence and structure research and doctoral training**, extending the traditional academic research training setting, incorporating the elements of Open Science and equipping researchers with the **right combination of research-related and transferable competences**
- **To provide enhanced career perspectives** in both the academia and non-academic sectors through international, international, interdisciplinary and inter-sectoral mobility combined with an innovation-oriented mind-set

**ITN is not a research project
It is RESEARCH TRAINING
PROGRAMME**



HR POLICIES FULLY ALIGNED WITH
CHARTER & CODE FOR RESEARCHERS

MSCA ITN 2019 – Proyecto tipo

- **Joint** research training programme / Joint doctoral programmes
- **Recruitment of Early – Stage Researchers (ESR)** to carry out their Individual Research Project – **Mobility** rule!
- **Networking** activities
- **Exposure** to non-academic sector
- Advanced **research skills and transferable skills** training
- Duration of projects: maximum **4 years**
- **Recruitment of researchers**: min. 3 months – max. 36 months
- **Minimum 3 beneficiaries**: 3 countries (MS/AC).
- Each beneficiary must recruit and host at least one researcher at its premises.

European Training
Networks
(ETN)

European Joint
Doctorates
(EJD)

European Industrial
Doctorates
(EID)

MSCA ITN 2019 – Tres modalidades

European Training Networks (ETN)

- 3 **beneficiaries**
- 3 MS/ AC
- **No mandatory** Phd Enrollment
- Max. 40% budget to one country
- Max. 15 ESRrecruited
- 30% secondments in other hosts
- Partner Organisations as needed

6 – 10 benef.

European Joint Doctorates (EJD)

- 3 **academic** beneficiaries
- 3 MS/ AC
- **Mandatory** Doctoral programme (joint, double or multiple)
- Max. 40% budget to one country
- Max. 15 ESRrecruited
- **Joint government structure**
- Secondments: time varies
- Partner Organisations as needed

4 - 8 benef.

European Industrial Doctorates (EID)

- 2 beneficiaries (2 **sectors**)
- 2 MS/ AC
- Mandatory Doctoral programme
- **>= 50% time non-academic sector**
- **Joint government structure**
- 2 beneficiaries: Max. 5 ESRrecruited
- **For 3 beneficiaries = ETN/ EJD**
- Secondments: International/intersectoral
- Partner Organisations as needed

2 – 3 beneficiaries

Academic and non-academic Sectors

Partner Organisations

MSCA ITN 2019 – Beneficiario vs “partner”



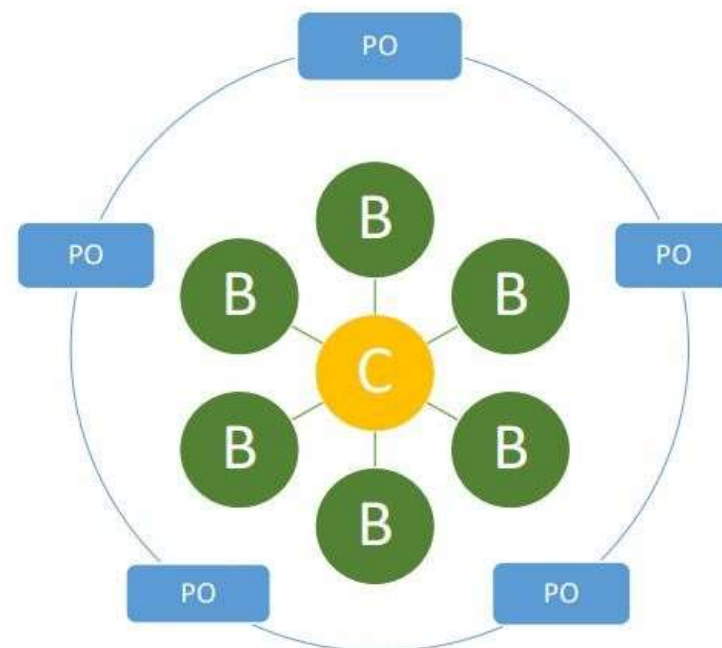
BENEFICIARIES

- Signs the Agreement with the EC
- Receives funds directly from the EC
- Recruits and train researchers



PARTNER ORGANISATIONS (P.O)

- Host researchers during secondments
- Contribute to training activities
- No contractual link with EC, no EC funds



MSCA ITN 2019 – Sectores implicados



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/> (EMBL, CERN, ESO...)



NON –ACADEMIC SECTOR

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

MSCA ITN 2019 – Elegibilidad: investigadores

- **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.
- **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
- Time spent in a country as part of a procedure for obtaining refugee status is not taking into consideration.
- **No nationality restrictions**

Full time equivalent research, FTE: 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.

- **Minimum 3 beneficiaries** : 3 countries (MS/AC)
- **No PhD award compulsory (although typical)**
- **Max. 540 Re/Mo** for the network: **15 ESR**
- Max. **40%** of total budget to one country
- Participation of **non-academic sector** considered essential
- **Joint supervision** encouraged
- **Secondments up to 30%** of the researcher recruitment period to a different beneficiary, partner organisation, entity with capital link to a beneficiary

- **Minim. 3 academic beneficiaries:** 3 MS/AC
- All entitled to award **doctoral degrees**
- Mandatory enrollment in doctoral programme
- Provision of joint, double or multiple degrees
- Max. 540 ESR/Mo (15 ESR)
- Max. 40% of total budget to one country
- Joint governance structure compulsory (joint selection, supervision...)
- **Participation of non-academic sector encouraged**
- **Letters of institutional commitment** of beneficiaries

Applying to both

2 beneficiaries

- 1 academic, 1 non-academic
- 2 countries (MS/AC)
- P.O any country, any sector
- Max. 180 ESR/Mo (**5 ESR**)

> 2 beneficiaries

- 1 academic, 1 non-academic
- 2 countries (MS/AC), add. beneficiaries and P.O. any sector, any country
- Max. 540 ESR/Mo (**15 ESR**)
- Max. **40%** total budget to one country

- **PhD enrollment compulsory**
- **> 50%** of time at non-academic sector: at beneficiaries or P.O.
- **Any intersectoral mobility between beneficiaries must be international.** The total secondment duration to P.O (irrespective of the sector) is limited to a max. of 30% of the fellowship duration.
- **Joint governance structure compulsory** (joint selection, supervision...)
- For academic institutions not offering doctoral degrees, **Universities should be included as P.O or entities with legal link**

MSCA ITN 2019 – Programa formativo

Your programme should develop three types of skills:

Core Research Skills



'on the job'
through the ESR project

Advanced Research Skills



delivered by the consortium

Transferable skills



delivered by the consortium
focus on skills for
non-academic careers

HOW:

- ✓ **Local Training:** personalised projects, including exposure to different sectors
- ✓ **Network Wide Training Events** (workshops, summer schools...) to exploit multi - interdisciplinary and intersectoral aspects of the action. For EID and EJDif possible quantify ECTS
- ✓ **Secondments:** to allow the exchange of knowledge with the members of the networks.

MSCA ITN 2019 – Aspectos financieros

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	3.270	600	500	1.800	1.200
RESEARCHER UNIT COST Living Allowance: <ul style="list-style-type: none"> Country coefficient correction applies. ES: 95,4% Gross EU contribution (then reduction of taxes, Social Security, company taxes...) Family Allowance: determined at the recruitment date				INSTITUCIONAL UNIT COST Research, training and networking costs: <ul style="list-style-type: none"> purchase of materials, meetings, travel to workshops, organisation of training courses, secondments, fees... Management and overheads: <ul style="list-style-type: none"> Indirect costs to be used by institution Possible redistribution between members 	

MSCA ITN 2019 – Notas de corte

	ITN 2015		ITN 2016		ITN 2017		ITN 2018	
CHE	93,4	(9)	94	(9)	94,8	(12)	96	(11)
ECO	92,4	(1)	98,8	(1)	91,4	(1)	97,2	(1)
ENG	94,4	(24)	93	(25)	94,4	(28)	94	(28)
ENV	92,8	(11)	95,4	(9)	95,6	(12)	96,4	(12)
LIF	95,2	(24)	93,8	(26)	95,2	(28)	95	(27)
MAT	88,4	(1)	85,4	(1)	94,2	(1)	93	(1)
PHY	95,2	(6)	93,6	(6)	96,2	(7)	94,2	(6)
SOC	95,2	(7)	97,4	(8)	97,4	(9)	95,8	(8)
EJD	92,6	(8)	94	(8)	92,8	(9)	94,2	(9)
EID	92	(15)	92	(16)	91,4	(20)	90,8	(20)

Fuente: webinar call MSCA ITN 2019 (FECYT)

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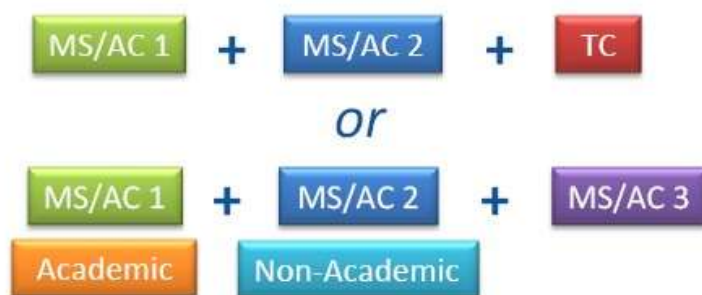
2. Instrumento Pyme

MSCA RISE – Aspectos clave

- Proyecto de **investigación e innovación** desarrollado a través de **intercambio de personal** de las instituciones participantes.
- **Mejora del personal**, mejora de sus capacidades
- Intercambio de personal internacional y/o inter-sectorial
- Se espera **gran impacto, transferencia de conocimiento** y colaboraciones a medio y largo plazo por parte de los participantes.
- Duración de proyecto: **48 meses**
- N° de estancias máximo: **540**
- Duración mínima de 1 mes y máxima de 12 meses para cada persona en el proyecto. Posibilidad de dividir las estancias.

MSCA RISE – Elegibilidad consorcios

- Al menos 3 participantes de 3 países diferentes. De ellos, al menos 2 participantes de dos MS/AC diferentes
- Si todos son de MS/AC, al menos 1 del sector Académico y 1 del No-Académico
- TC siempre son Partner Organization



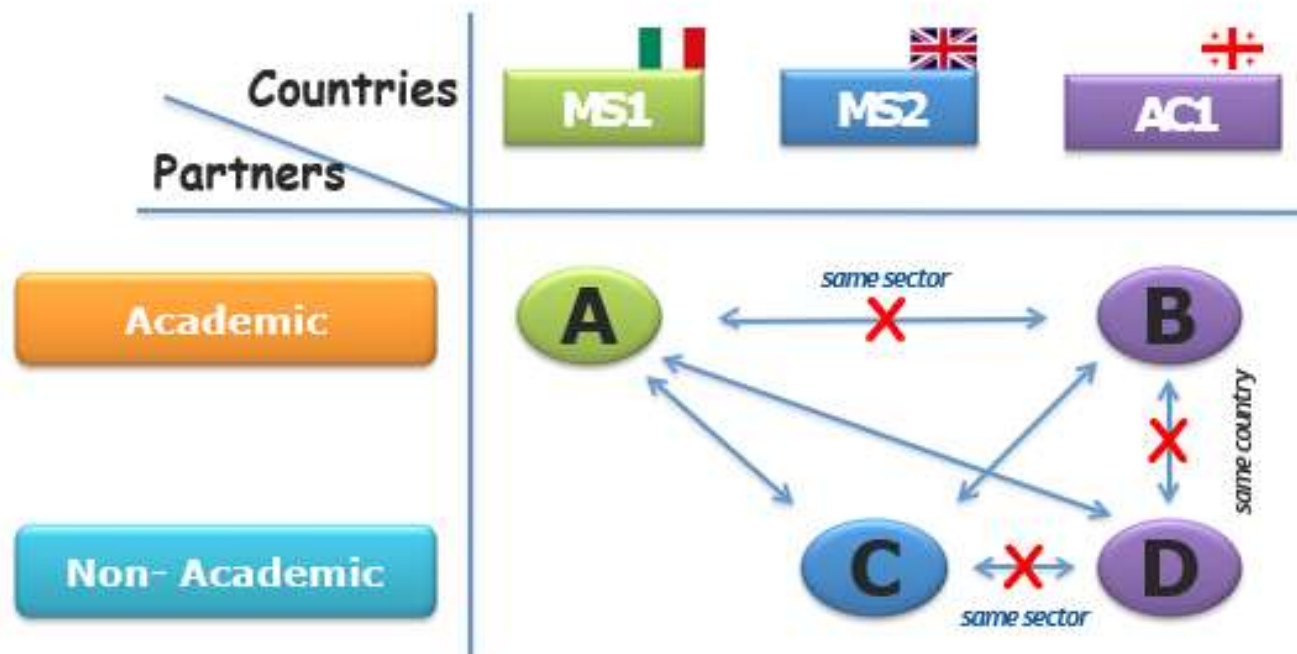

**KEEP
CALM
&
FOLLOW
THE RULES**

MSCA RISE – Elegibilidad personal

- Personal con vinculación con la entidad.
- Importancia del equilibrio de género.
- Tipo de Personal que realiza las estancias:
 - Early Stage Researchers (ESR).
 - Experienced Researchers (ER).
 - Personal técnico, administrativo relacionado con actividades de Investigación e Innovación.
- Después de las estancias el personal debe reintegrarse en la institución.

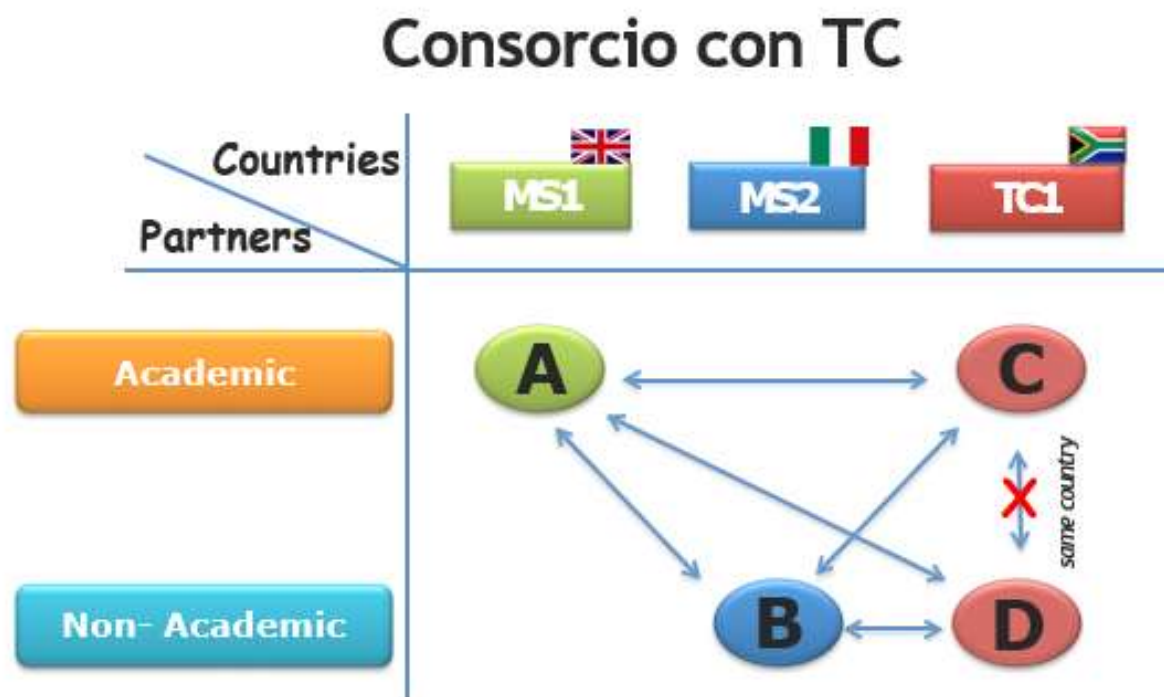
MSCA RISE – Elegibilidad de estancias

Consorcio sin TC



Estancias entre países y/o entre sectores

MSCA RISE – Elegibilidad de estancias



Estancias entre países y/o entre sectores
También estancias entre el mismo sector de MS aTC

MSCA RISE – Aspectos financieros

RISE	Staff member unit cost (person/month)	Institutional unit cost (person/month)	
		Research, training and networking costs	MGT and indirect costs
Unit	2100	1 800	700

El sistema de envío de la propuesta calcula el presupuesto de manera automática en base a los meses de estancia

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European Innovation Council – EIC (I)

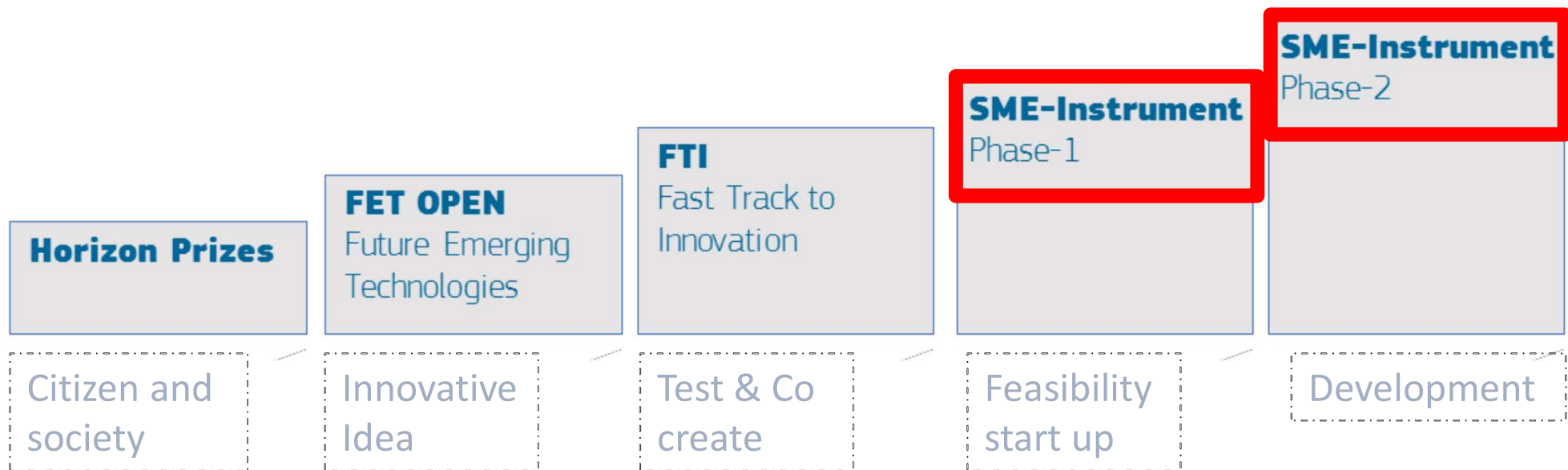
- **Objective:** Strengthen breakthrough innovations and boost the number of high- growth companies
- Focus on people and companies with ideas for :
- **Radically new, breakthrough products, services, processes or business models**
- That open up **new markets** with the potential for rapid European and global-scale growth (high risk, need for significant investment)
- Take shape at the intersection between different technologies, industry sectors and scientific disciplines

European Innovation Council – EIC (II)

- The EIC pilot focuses **competitive funding** for innovators, start-ups and companies with ideas and innovations which:
 - are **radically different** from existing products, services or business models
 - are of a '**high risk – high gain**'-nature for investors
 - have the potential to **scale up internationally**
- The EIC pilot is able to support ideas from any area of technology or business sector, including novel combinations of technologies and business models.

European Innovation Council – EIC (III)

- Combination of 4 different schemes
- Around 3 billion Euros 2018-2020



The SME Instrument - Phases

PHASE1

Concept & Feasibility Assessment
Idea to concept (6 months)

The SME will draft an initial **business proposal**.

The European Union will provide
€50 000 in funding
and business coaching.

PHASE2

Demonstration, Market Replication, R&D
Concept to Market-Maturity (1-2 years)

The SME will further develop its proposal through **innovation activities**, and draft a more developed **business plan**.

The EU may contribute between
€0.5 million and **€2.5 million***
and provide business coaching.

PHASE3

Commercialisation
Prepare for Market Launch

The SME will receive extensive support to help polish its concept into a marketable product, and have access to **networking opportunities**.

The EU will not provide funding in this phase.

The SME Instrument – Phase 1



A lump sum of 50 k€ in EU funding (70 % funding rate).



3 days of coaching.



Feasibility study.



Initial 10 page business proposal to be submitted.



Evaluation in 4 weeks.



Around 6 months execution period.

The SME Instrument – Phase 2



Between €0.5 million and €2.5 million in EU funding (exceptions apply) and 12 days of coaching. 70 % funding rate.



Develop project through innovation strategy (TRL 6 or above recommended).



Around 1-2 years execution period.



Draft a more developed, 30 page business plan.

The SME Instrument – Phase 3



No direct funding



Extensive support and coaching (3 days for Phase 1 beneficiaries and 12 days for Phase 2)



Facilitate access to risk finance



Additional support and networking opportunities (Enterprise Europe Network)

The SME Instrument – What's new?

- Full bottom-up selection approach – no pre-defined topics.
- Overhaul of the submission forms – the structure and content of these forms have adopted a business-oriented language.
- Number of expert-evaluators with an investor profile has been significantly increased: better consider market and investment related elements in the evaluation.
- Interviews with selected Phase 2 applicants – make sure that only the best and most disruptive innovation ideas pass the cut.

The SME Instrument – Cut-off dates in 2019

- Phase 1
 - 13th February
 - 7th May
 - 5th September
 - 6th November
- Phase 2
 - 9th January
 - 3rd April
 - 5th June
 - 9th October



Science & Innovation Link Office

Información adicional

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