



Italy



France



Croatia



Malta



Libya



Morocco



Cyprus



Spain



Egypt



Téthys

Consortium des Universités
Euro-Méditerranéennes



Jordan



Tunisia



Lebanon



Portugal



Greece



Algeria



Palestine



Nowadays TETHYS represents 64 universities in 16 countries of mediteranean basin:

- **Algeria** : Université Benyoucef Benkhada d'Alger, Université Badji Mokhtar d'Annaba, Université Abderrahmane Mira de Béjaïa, Université Constantine I, Université Larbi Ben Mhidi d'Oum El Bouaghi, Université d'Oran Es Sénia, Université du 8 mai 1945 de Guelma, Université du 20 août 1955 de Skikda, Université Mohamed Khider de Biskra, Université de Constantine II, Université Constantine III
- **Cyprus** : Université de Chypre
- **Croatia**: Université de Split
- **Egypt** : Université d'Alexandrie, Université d'Assiut, Université du Caire, Université de Helwan, Université MUST Le Caire, Université française d'Egypte

PARTNERS UNIVERSITIES



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- **France** : Université d'Aix-Marseille, Université de Toulon, Université de Nice, Université de Corse
- **Greece** : Université de Thessalonique, Université du Pirée, TEI du Pirée, Université de Crète (en cours)
- **Italy** : Université de Gênes, Université de Turin, Université de Palerme, Université de Cagliari, Université de la Tuscia-Viterbo/Rome, Université La Sapienza Rome, Université de Sienne, Université de Messine
- **Jordan** : Princess Sumaya University of Technology Amman, Philadelphia University Amman, Université de Mutah, Université de Jordanie-Amman (en cours)
- **Lebanon** : Université Saint-Joseph Beyrouth, Université Balamand, Tripoli, Université Libanaise de Beyrouth
- **Libya**: Université de Zawia
- **Malta** : Université de Malte

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- **Palestine:** University College of Applied Sciences, Gaza
- **Morocco :** Université Chouaïb Doukkali d'El Jadida, Université Ibn Tofail Kénitra, Université Cadi Ayyad de Marrakech, Université Hassan II de Mohammédia-Casablanca, Université Mohammed 1^{er} d'Oujda, Université Mohammed V-Agdal de Rabat, Université Hassan I de Settat, Université Abdelmalek Essaâdi de Tanger-Tétouan, Université Sidi Mohamed Ben Abdellah de Fès, Université Hassan II Ain Chock Casablanca (en cours)
- **Portugal :** Université d'Evora
- **Spain:** Université des Iles Baléares, Université de Cadix, Université de Barcelone, Université Complutense de Madrid, Université de Murcie
- **Tunisia :** Université de Tunis El Manar, Université de Kairouan, Université de Monastir, Université de Carthage, Université de Sfax, Université de Sousse.

[prepared from (partial) information available at the
office of coordination Tethys Marseille]

Projects handled: FP6 and FP7, Tempus, Erasmus Mundus, Interreg, ENPI +
thematic seminars and symposia + training of trainers

* Number of national, European and international projects submitted:
approximately 64 projects for M€ 93.8 requested
(Tethys Network is partner in 60 projects)

* Number of projects accepted:
about 24 projects for M€ 40.8 obtained
(over 50% of this sum has benefited MPC)

Tethys / Aix-Marseille University involved in 20 projects
(7 as a coordinator, 13 as partner)

* Number of seminars work:
More than 40 events

<http://194.214.98.212/tethys/>



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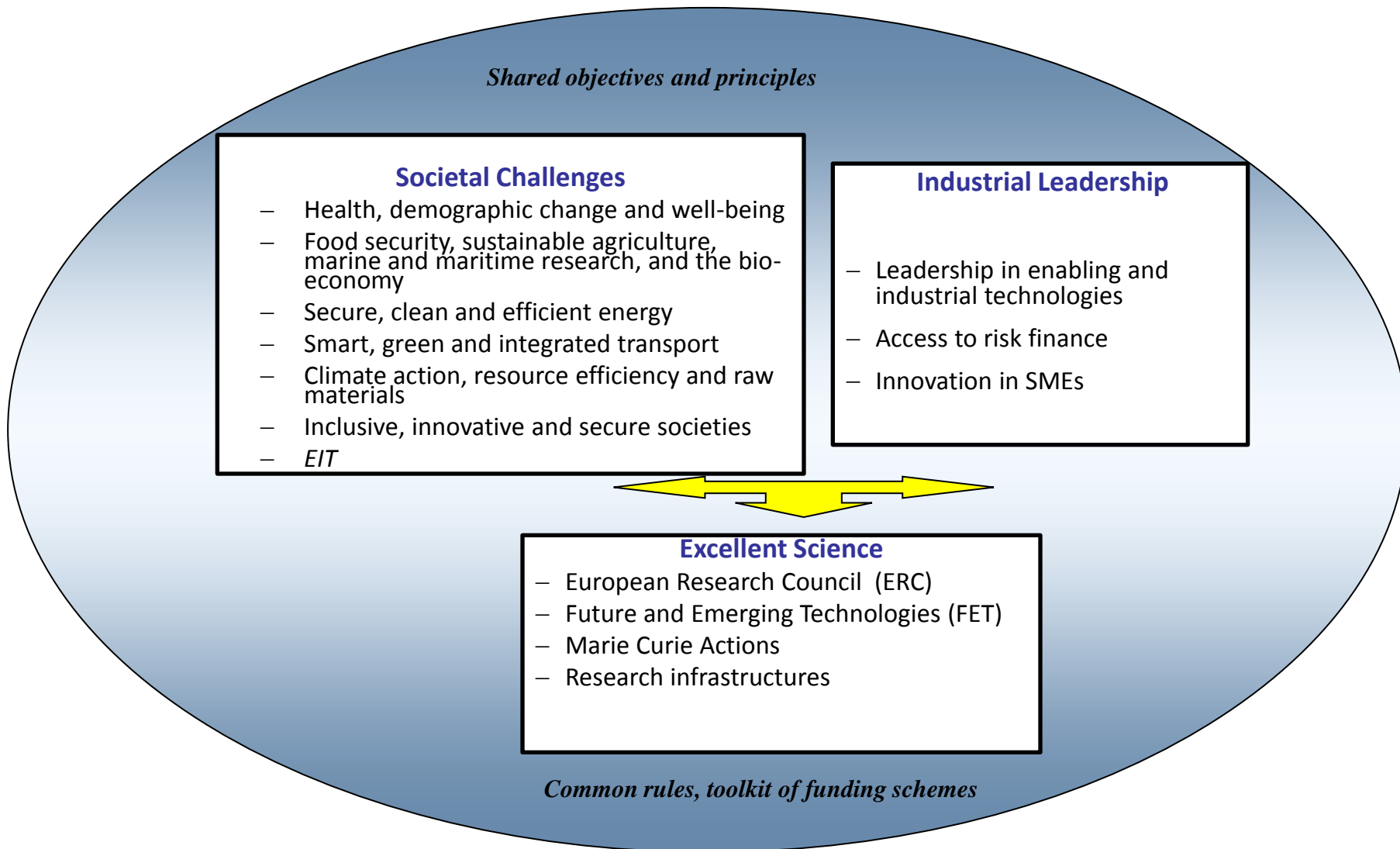
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<http://ec.europa.eu/programmes/horizon2020/en>

<http://www.horizon2020.gouv.fr/>





What is Horizon 2020?

- European funding program for research and innovation funded to the tune of 80 billion euros for the period 2014-2020.
- This program is a major contribution to the strategy "Europe 2020", the flagship initiative "Innovation Union" and the "European Research Area" for:
- Responding to the economic crisis by investing in future jobs and growth
- Strengthen the position of the EU in the world in the areas of research, innovation and technology
- Take into account the concerns of citizens about their standard of living, safety and environment

What's new?



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- **A single programme** bringing together three separate programmes/initiatives*
- **Coupling research to innovation** – from research to retail, all forms of innovation
- **Focus on societal challenges** facing EU society, e.g. health, clean energy and transport
- **Simplified access**, for all companies, universities, institutes in all EU countries and beyond

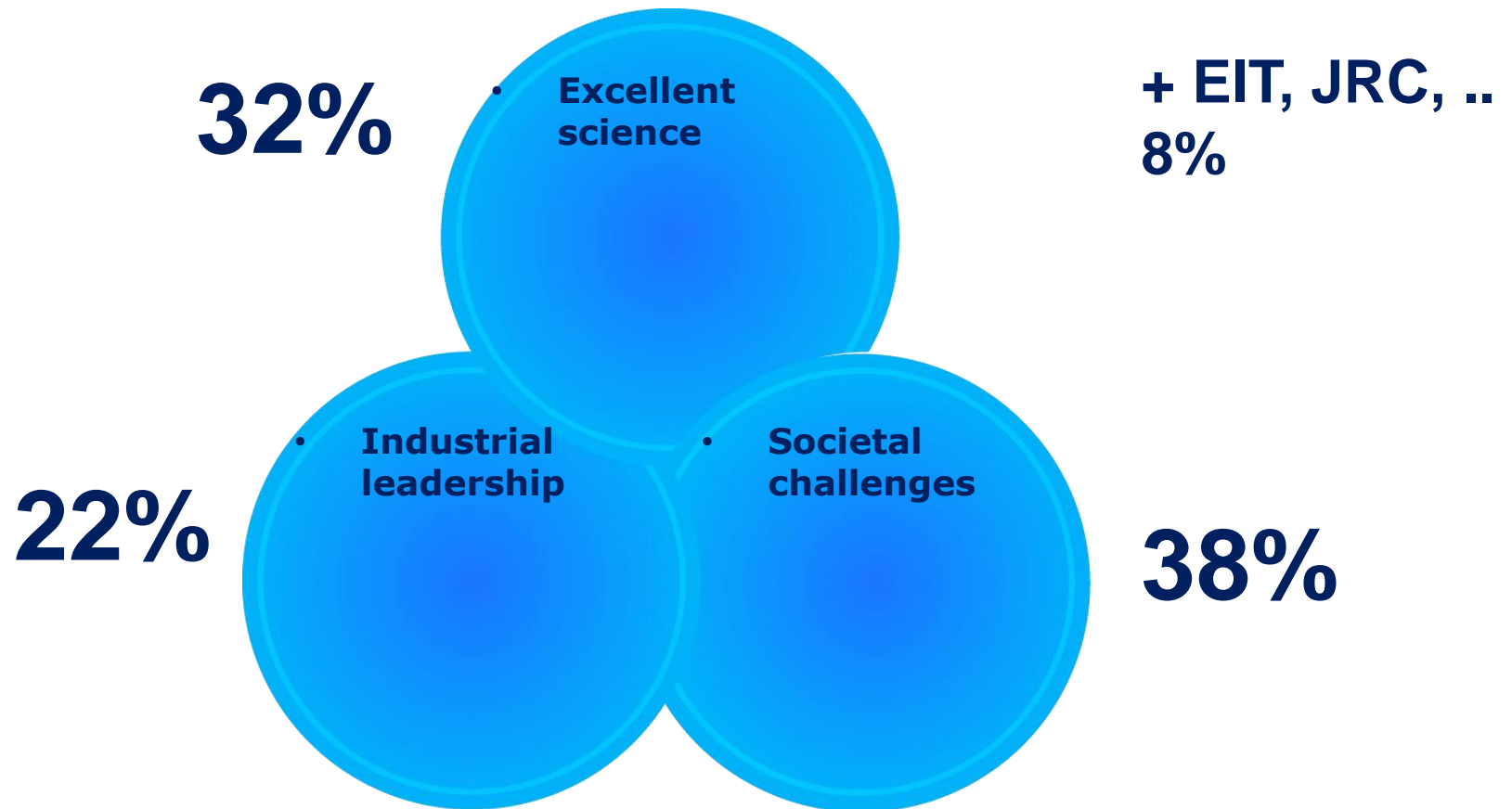
* The 7th Research Framework Programme (FP7), innovation aspects of Competitiveness and Innovation Framework Programme (CIP), EU contribution to the European Institute of Innovation and Technology (EIT)

Three Priorities



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Priority 1. Excellent science



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- Needs of world class science is the foundation of tomorrow's technologies, jobs and well-being
- Europe needs to develop, attract and retain research talent
- Researchers need access to the best infrastructures



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Priority 1. Excellent science (24.4 GE)

<p>European Research Council <i>Frontier research by the best individual teams</i></p>	13.095
<p>Future and Emerging Technologies <i>Collaborative research to open new fields of innovation</i></p>	2.696
<p>Marie Skłodowska Curie Actions <i>Opportunities for training and career development</i></p>	6.162
<p>Research Infrastructures (including e-infrastructure) <i>Ensuring access to world-class facilities</i></p>	2.488

Priority 2. Industrial leadership



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- Europe needs more innovative SMEs to create growth and jobs
- Strategic investments in key technologies (e.g. advanced manufacturing, micro-electronics) underpin innovation across existing and emerging sectors

KETs (Key Enabling Technologies) Choice:

Key and strategic technologies and where the EU is already competitive and needs to remain

- Funding for pilot projects and large-scale demonstration
- Europe needs to attract more private investment in research and innovation



Priority 2. Industrial leadership (17 GE)

Leadership in enabling and industrial technologies <i>(ICT, nanotechnologies, materials, biotechnology, manufacturing, space)</i>	13.557
Access to risk finance <i>Leveraging private finance and venture capital for research and innovation</i>	2.842
Innovation in SMEs <i>Fostering all forms of innovation in all types of SMES</i>	616

Priority 3. Societal challenges



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- Concerns of citizens and society/EU policy objectives (climate, environment, energy, transport etc.) cannot be achieved without innovation
- Breakthrough solutions come from multi-disciplinary collaborations, including social sciences & humanities
- Promising solutions need to be:
 - ① tested, demonstrated and
 - ② scaled up



Priority 3. Societal challenges (31 GE)

Health, demographic change and wellbeing	7.472
Food security, sustainable agriculture, marine and maritime and inland water research and the bioeconomy	3.851
Secure, clean and efficient energy	5.931
Smart, green and integrated transport	6.339
Climate action, environment, resource efficiency and raw materials	3.081
Inclusive, innovative and reflective societies	1.310
Secure societies	1.695
<i>Science with and for society</i>	<i>462</i>
<i>Spreading excellence and widening participation</i>	<i>816</i>



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Technological platforms in Europe

Bio-based economy	Energy	Environment	ICT	Production and processes	Transport
EATIP	Biofuels	WssTP	ARTEMIS	ECTP	ACARE
ETPGAH	EU PV TP		EUROP	ESTEP	ERRAC
Food for Life	TPWind		ETP4HPC	EuMaT	ERTRAC
Forest-based	RHC		ENIAC	FTC	Logistics
Plants	SmartGrids		EPoSS	SusChem	Waterborne
FABRE TP	SNETP		ISI	Nanomedicine	
TP Organics	ZEP		Net!Works	ETP-SMR	
			NEM	Manufuture	
			NESSI		
			Photonics 21		
Cross ETP Initiatives					
Nanofutures					
Industrial Safety					

: http://cordis.europa.eu/technology-platforms/individual_en.html

Horizon 2020 and partnering



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- **Public private partnerships:**
 - Through Joint Technology Initiatives or other formal structures (Art. 187)
 - Through contractual agreements, which provide inputs for work programmes
 - Only when criteria met, e.g. clear commitments from private partners
- **Public public partnerships:**
 - Through « ERA-Nets » for topping up individual calls/actions (replacing current ERA-Net, ERA-Net Plus, Inco-Net, Inno-net)
 - Through participation in joint programmes between Member States (Art. 185)
 - Supporting agendas of Joint Programming Initiatives when in line with Horizon 2020
 - Only when criteria met, e.g. financial commitments of participating countries
- **European Innovation Partnerships:**
 - Not funding instruments, but for coordination with broader policies and programmes



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Simplification: Rules for Participation

- **1. A single set of rules:**
 - Adapted for the whole research and innovation cycle
 - Covering all research programmes and funding bodies
 - Aligned to the Financial Regulation, coherent with other new EU Programmes
- **2. One project – one funding rate**
 - Maximum of 100% of the total eligible costs (except for innovation actions, where 70% maximum will apply for profit making entities)
 - Indirect eligible costs: a flat rate of 25% of direct eligible costs
- **3. Simple evaluation criteria**
 - Excellence – Impact – Implementation (Excellence only, for the ERC)
 - **Faster time to grant (8 months)**
- **4. New forms of funding aimed at innovation**
 - Pre-commercial procurement, inducement prizes, dedicated loan and equity
 - Instruments
- **5. International participation**
 - facilitated but better protecting EU interests



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Simplification: Rules for Participation

- **6. Simpler rules for grants**
 - broader acceptance of participants accounting practices for direct costs, flat rate for indirect costs, no time-sheets for personnel working full time on a project, possibility of output-based grants
- **7. Fewer, better targeted controls and audits**
 - Lowest possible level of requirements for submission of audit certificates without undermining sound financial management
 - Audit strategy focused on risk and fraud prevention
- **8. Improved rules on intellectual property**
 - Balance between legal security and flexibility
 - Tailor-made IPR provisions for new forms of funding
 - A new emphasis on open access to research publications

Beyond the Rules: further simplified provisions in the Grant Agreement and implementing procedures to facilitate access to Horizon 2020 (e.g. common IT platform).



HORIZON 2020 – Actions

For Researchers Type of Action 1	Code	Minimum Conditions 2	Funding Rate	Typical Duration	Average EC Contribution	Aim
Research & Innovation Action	RIA	≥ 3 legal entities from 3 MS/AC	100%	36-48 months	€ 2.0 – 5.0M	collaborative research projects : <i>Action primarily consisting of activities aiming to establish new knowledge and/or to explore the feasibility of a new or improved technology, product, process, service or solution.</i>
Innovation Action	IA	≥ 3 legal entities from 3 MS/AC	70% 3	30-36 months	€ 2.0 – 5.0M	produce plans & arrangements or designs for new, altered or improved products, processes or services
Coordination & Support Action	CSA	1 legal entity	100%	12-30 months	€ 0.5 – 2.0M	accompanying measures (standardisation, dissemination, policy dialogues etc.) no research
MSCA 4: MSCA (except Cofund)			see separate factsheet			facilitate mobility of researchers for training & career development
ERC Grants	ERC	1 legal entity in MS/AC	100%	60 months	Starting: ≤ € 2.0M Consolidator: ≤ € 2.75M Advanced: ≤ € 3.5M	support excellent investigators and their research teams to pursue ground-breaking, high-gain/ high-risk research

1 Defined in the Work Programme.
2 Additional conditions may be listed in the respective Work Programmes.
3 100% for non-profit organisation (= any legal entity except companies)
4 MSCA = Marie Skłodowska Curie Actions

HORIZON 2020 – Actions



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For Researchers Type of Action ¹	Code	Minimum Conditions ²	Funding Rate	Typical Duration	Average EC Contribution	Aim
Prizes	PRI	1 legal entity	n/a	n/a	variable; see respective topic	- recognise past achievements - induce future activities
SME Instrument		SME	1 SME in MS/AC		3 phases: ☑ Phase 1: lump sum of € 50K / project ☑ Phase 2: € 1 – 2.5M / project (1-2 years) (70% of eligible costs reimbursed) ☑ Phase 3 : no funding	combination of demonstration activities (testing, prototyping, ...), market replication
Fast Track to Innovation	FTI	≤ 5 legal entities from 5 MS/AC	70% ³		tbd	≤ € 3.0 M produce plans & arrangements or designs for new, altered or improved products, processes or services

[..\General Annexes H2020\h2020-wp1415-Annex-C-elig_en.pdf](http://ec.europa.eu/research/participants/portal/desktop/en/home.html)

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

HORIZON 2020 – Actions



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For Public Sector and other Funding Bodies, Programme Managers etc. (Cofund Actions) Type of Action 1	Funding Code	Minimum Conditions 2	Funding Rate	Typical Duration	EC Contribution	Comment
MSCA Cofund3	MSCA Cofund	1 legal entity	50%	36-60 months	≤ € 10.0 M	Co-funding of regional, national & international doctoral & fellowship programmes
ERA-NETs	ERA-NET	≥ 2 legal entities in MS/AC	33%	60 months	variable, see respective topic	coordinate research efforts of participating MS/AC in the field described & implement joint transnational call for proposals with EU co-funding
Pre-Commercial Procurement	PCP	≥ 3 public procurers from MS/AC	70%	18-48 months for 2 Phases: A) Preparation B) Execution	variable, see respective topic	enable the public sector as a technologically demanding buyer to encourage research, development and validation of breakthrough solutions in areas of public interest

1 Defined in the Work Programme.

2 Additional conditions may be listed in the respective Work Programmes.

3 MSCA = Marie Skłodowska Curie Actions. For further details on MSCA Cofund, see also our separate MSCA factsheet.

HORIZON 2020 –Actions



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For Public Sector and other Funding Bodies, Programme Managers etc. (Cofund Actions) Type of Action1	Funding Code	Minimum Conditions2	Funding Rate	Typical Duration	EC Contribution	Comment
Public Procurement of Innovative Solutions	PPI	≥ 3 public procurers from MS/AC	20%	18-48 months for 2 Phases: A) Preparation B) Execution	variable, see respective topic	enable trans-national buyer groups of procurers to share the risks of acting as early adopters of innovative goods or services which are not yet available on a large-scale commercial basis

Selection criteria



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Excellence

The extent that the proposed work corresponds to the topic description in the work programme.

Impact

The extent to which the outputs of the project should contribute at the European and/or International level

Quality and implementation efficiency

[..\General Annexes H2020\h2020-wp1415-Annex-H-esacrit_en.pdf](#)



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New approach of WPs and calls

More strategic work programmes

Focusing on areas where EU level action has greatest impact
With a coherent set of actions from research to innovation
Greater integrated across different parts of Horizon 2020

Less prescriptive calls

More open to innovative proposals
Stronger emphasis on impact
Stimulating inter-disciplinary projects

Two-years work programmes

Greater participation in setting work programmes, including by citizens
More advanced notice for applicants

Focus on SMEs



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- **In collaborative projects** - 20% of total budget for societal challenges and enabling & industrial technologies to go to SMEs
- **A new SME instrument** in all societal challenges and enabling & industrial technologies (7% of relevant budgets)
- **Eurostars joint programme** with Member States and associated countries for research-intensive SMEs
- **Support measures under 'Innovation in SMEs'** networking and brokering; SMEs to 'spin in' technology by connecting to researchers and innovators across Europe
- **Access to risk finance** to have a strong SME focus - (debt and equity facilities)

International cooperation



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- **Principle of general openness:** H2020 will remain to be the most open funding programme in the world
- Open to the **association** of:
 - enlargement countries
 - EFTA
 - European Neighbourhood (including Morocco)
 - ...and others associated to FP7
- Targeted actions to be implemented taking **a strategic approach to international cooperation**

Sitography and bibliography

- H2020 Programme Website:
- **<http://ec.europa.eu/programmes/horizon2020/>**

- H2020 Participant Portal Website:
- **<http://ec.europa.eu/research/participants/portal/desktop/en/home.html>**

- H2020 Programme – Presentation Website from French Government:
- **<http://www.horizon2020.gouv.fr/>**



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