

# Il panorama dei finanziamenti europei per la Ricerca e l'Innovazione

*Arianna Morelli*

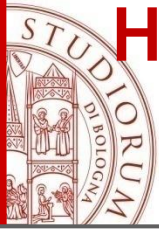
10 Gennaio 2018

**FRAMEWORK PROGRAMME FOR RESEARCH AND INNOVATION (2014- 2020) IMPLEMENTING THE INNOVATION UNION PRIORITIES** WITH NEARLY €80 BILLION OF FUNDING AVAILABLE - IN ADDITION TO THE PRIVATE INVESTMENT THAT THIS MONEY WILL ATTRACT

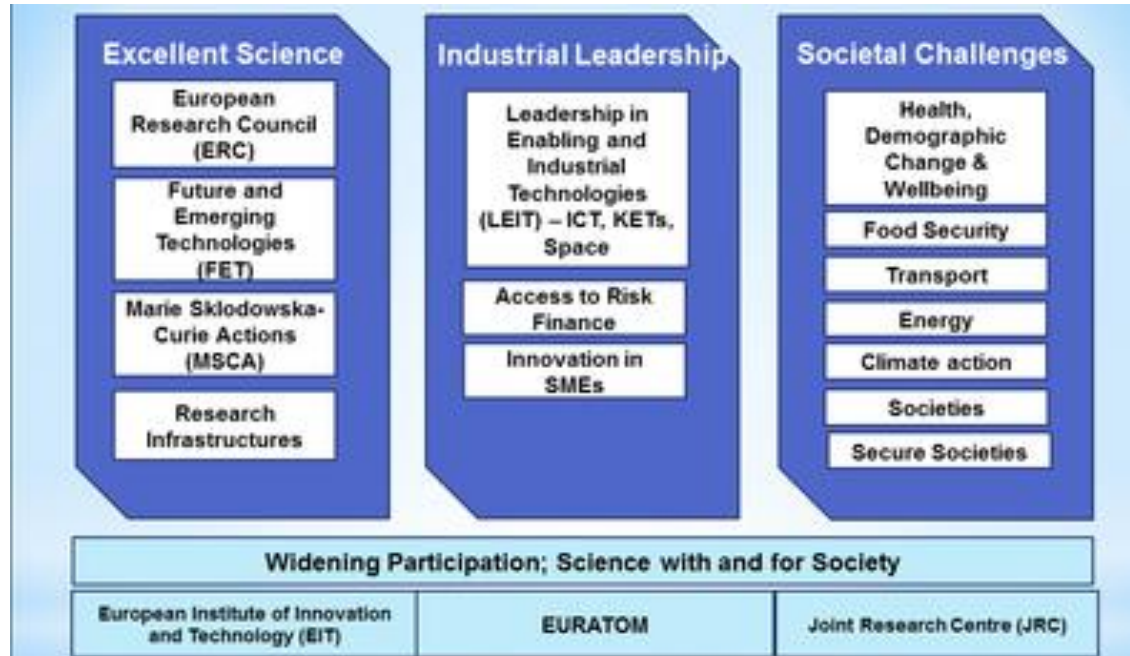
A CHALLENGE BASED AND FLEXIBLE APPROACH TO ENSURE EUROPE PRODUCES WORLD-CLASS SCIENCE, REMOVES BARRIERS TO INNOVATION IN BUSINESS PRACTICE AND MAKES IT EASIER FOR THE PUBLIC AND PRIVATE SECTORS TO WORK TOGETHER IN ADDRESSING SOCIETAL MAJOR CONCERNS

HORIZON 2020 IS DESIGNED TO BE A DIFFERENT KIND OF EU RESEARCH PROGRAMME - FUNDING THE **ENTIRE VALUE CREATION** CHAIN FROM FUNDAMENTAL RESEARCH THROUGH TO MARKET INNOVATION





# H2020 structure: 3 main Pillars & Three Os - Open Innovation, Open Science, Open to the World

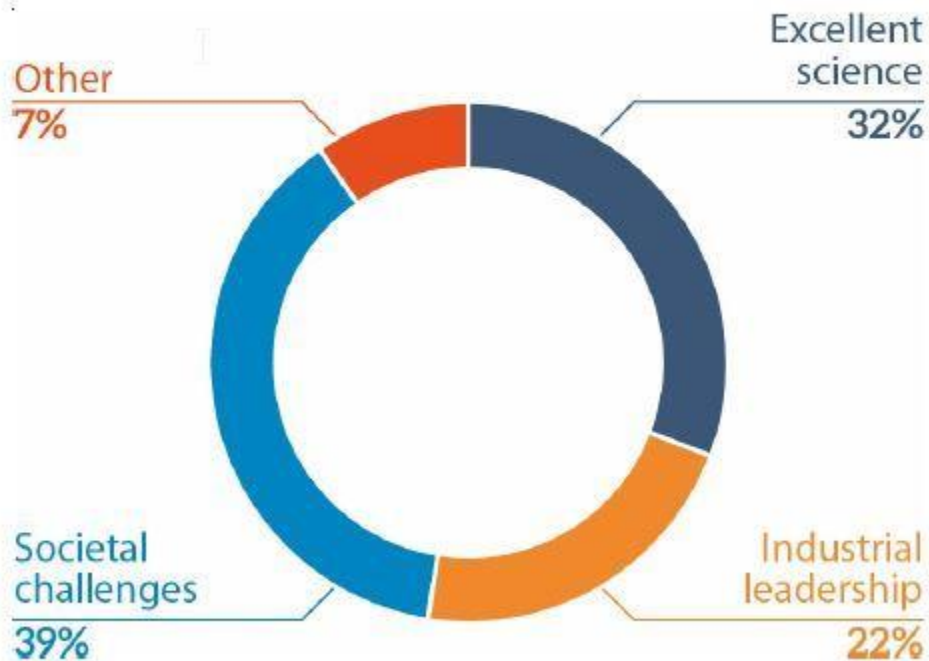


Open Innovation, Open Science, Open to the World  
*- a vision for Europe*

# H2020: budget

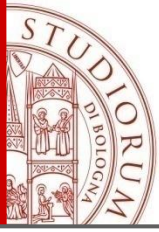
A budget of close to €80 billion for the 2014 to 2020 period

## Distribution of the Horizon 2020 budget 2014-2020



Source: [European Commission](#)





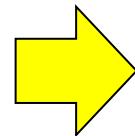
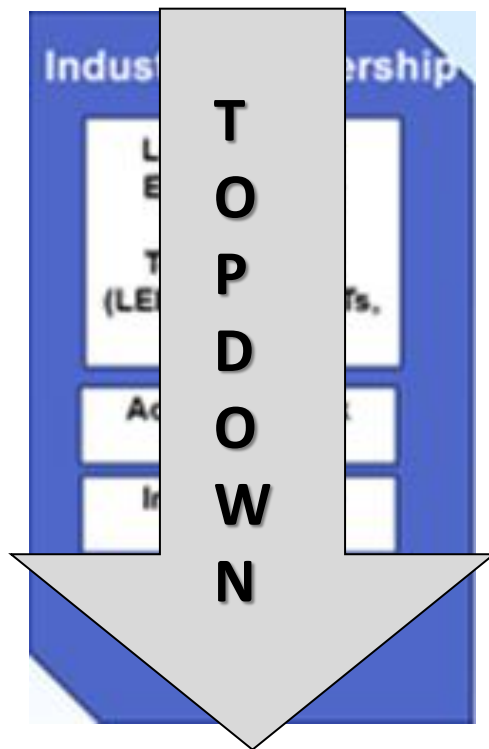
# H2020 Pillar I: Excellent Science

**OVERALL AIM:** TO REINFORCE AND EXTEND THE **EXCELLENCE OF THE UNION'S SCIENCE BASE** AND TO CONSOLIDATE THE EUROPEAN RESEARCH AREA IN ORDER TO MAKE THE UNION'S RESEARCH AND INNOVATION SYSTEM MORE COMPETITIVE ON A GLOBAL SCALE. 4 DIFFERENT OBJECTIVES AND RELATED FUNDING SCHEMES

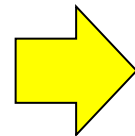


# H2020 Pillar II: Industrial Leadership

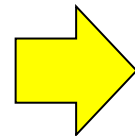
**OVERALL AIM:** TO SPEED UP THE INVESTMENT IN **TECHNOLOGIES AND INNOVATIONS** VIA ACTIVITIES ESPECIALLY DEDICATED TO THE INDUSTRIES AND TO HELP INNOVATIVE EUROPEAN **SMEs** TO GROW INTO WORLD-LEADING COMPANIES.



**LEIT - LEADERSHIP IN ENABLING TECHNOLOGIES:** RESEARCH, DEVELOPMENT, DEMONSTRATION AND INNOVATION ACTIVITIES IN MULTI-DISCIPLINARY, KNOWLEDGE AND CAPITAL-INTENSIVE TECHNOLOGIES (**KEY ENABLING TECHNOLOGIES**) THAT CUT ACROSS MANY DIVERSE SECTORS PROVIDING THE BASIS FOR COMPETITIVE ADVANTAGE FOR EUROPEAN INDUSTRY.



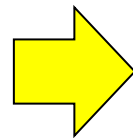
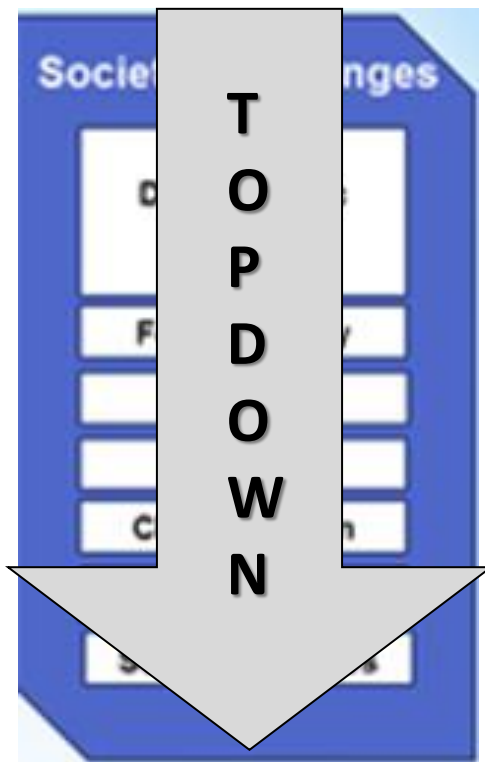
**ACCESS TO FINANCIAL RISK -** LEVERAGING PRIVATE FINANCE & VENTURE CAPITAL AND FAVOUR EASY ACCESS FOR THE **SMEs**, COMPANIES AND OTHER TYPES OF ORGANISATION ENGAGED IN RESEARCH AND INNOVATION (R&I).



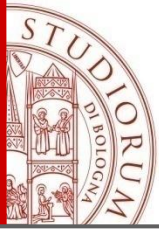
**INNOVATION IN SMEs -** SUPPORT PROJECTS WITH A EUROPEAN DIMENSION THAT LEAD TO RADICAL CHANGES IN BUSINESS (PRODUCT, PROCESSES, SERVICES, MARKETING ETC.) IN ALL KIND OF **SMEs**

# H2020 Pillar III: Societal Challenge

**OVERALL AIM:** TO ADDRESS MAJOR CONCERNS SHARED BY CITIZENS IN EUROPE AND ELSEWHERE AS IDENTIFIED IN THE POLICY PRIORITIES OF THE EUROPE 2020 STRATEGY

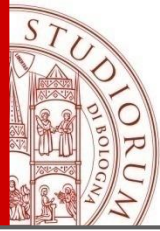


- BREAKTHROUGH SOLUTIONS COME FROM MULTI-DISCIPLINARY COLLABORATIONS, INCLUDING SOCIAL-SCIENCES AND HUMANITIES
- CHALLENGE-BASED APPROACH FOCUSING ON POLICY PRIORITIES WITHOUT PREDETERMINING THE PRECISE CHOICE OF TECHNOLOGIES OR SOLUTIONS THAT SHOULD BE DEVELOPED
- ADDRESSING CHALLENGES REQUIRES FULL INNOVATION CYCLE: RESEARCH + INNOVATION



# PILLAR 2. INDUSTRIAL LEADERSHIP





# PILLAR II: Leadership industriale

LEIT

ICT

Nano - Materials

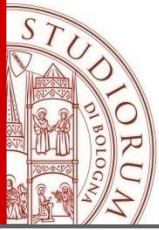
Biotech

Space

Access to Risk Finance

Innovation in SMEs

- Obiettivi specifici:
  - **Leadership in enabling and industrial technologies (LEIT)**
    - Rafforzamento della leadership industriale dell'Europa, mediante la ricerca, lo sviluppo tecnologico, la dimostrazione e l'innovazione nel settore delle tecnologie abilitanti e industriali (soprattutto le Key enabling technologies - **KET**)
  - Migliorare l'**accesso al capitale di rischio** per investire nella ricerca e nell'innovazione
  - Rafforzare l'innovazione nelle **piccole e medie imprese**



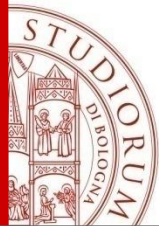
# H2020: SME Instrument

- Indirizzato a tutti i tipi di SME innovative che presentino una forte volontà di crescere, svilupparsi e internazionalizzarsi
- Solo SME potranno richiedere finanziamenti (sostegno a una sola impresa è possibile, ma collaborazione certamente consigliabile)
- Competitivo, dimensione EU → solo le migliori idee passano la fase 1
- Orientato al mercato; attività close-to-market: finanziamento al 70%
- Costituito da 3 fasi – piu' il coaching
- Applicato in tutte le 'societal challenges' e 'key enabling technologies'

# H2020: SME Instrument

## Approccio senza soluzioni di continuità – 3 fasi





# H2020: SME Instrument

## Fase 1: concetto e valutazione della fattibilità

Input:  
Idea/Concept in  
"Business Plan I"  
(~ 10 pages)

Main Activities:  
Feasibility of concept  
Risk assessment  
IP regime  
Partner search  
Design study  
Pilot application

Output: elaborated  
"Business plan II"

Lump sum: around  
50.000 €

~ 6 months

## Fase 2: R&D, dimostrazione, market replication

Input:  
"Business plan II" +  
"Description of activities  
under Phase2" (~ 30 pp.)

Main Activities:  
Development Prototyping  
Testing  
Piloting  
Miniaturisation  
Scaling-up  
Market replication

Output: investor-ready  
"Business plan III"

Output based payments:  
1 to 3 M€ EU funding

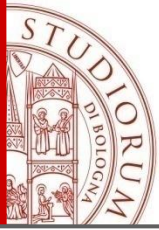
~ 12 to 24 months

## Fase 3: Commercializzazione

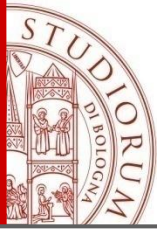
Input:  
"Business plan III"  
+  
Opportunities:  
'Quality label' for  
successful Phase 1 & 2

Easier access to private  
finance  
Support via networking,  
training, coaching,  
information, addressing i.a.  
IP management, knowledge  
sharing, dissemination  
SME window in the EU  
financial facilities (debt  
facility and equity facility)

No direct funding



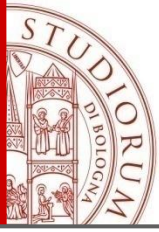
# PILLAR 3. SOCIETAL CHALLENGES



# Societal challenges: rationale

- 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 and humanities**
- Addressing challenges requires **full innovation cycle**: research + innovation
- **Challenge-based approach focusing on policy priorities** without predetermining the precise choice of technologies or solutions that should be developed



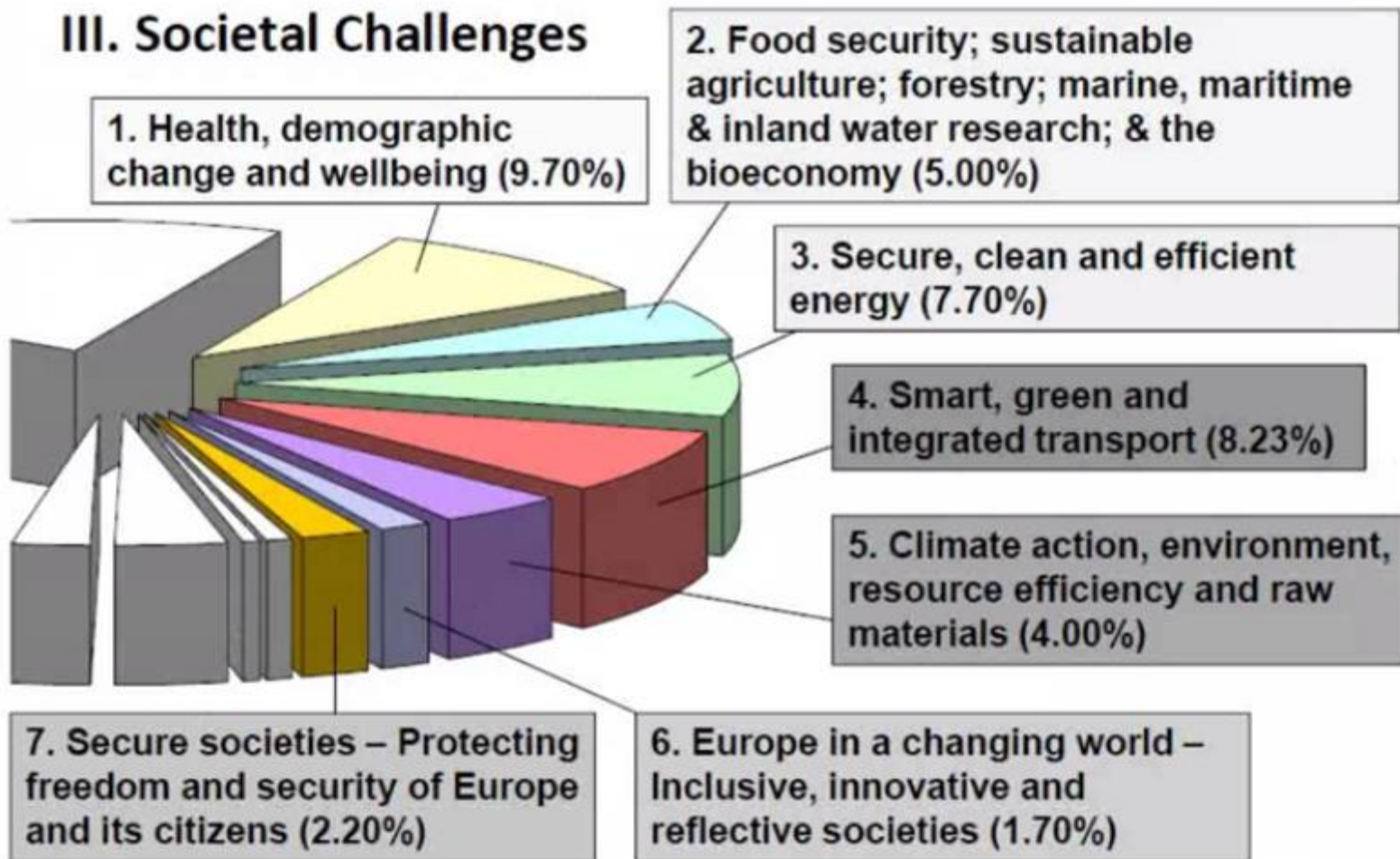


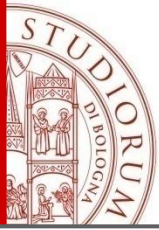
## PILLAR III: Sfide sociali

- Per sostenere attività lungo la catena “ricerca di laboratorio – accesso al mercato” nel quadro di priorità di Europa 2020:
  1. Health, demographic change and wellbeing;
  2. Food security, sustainable agriculture and forestry, marine and maritime and inland water research, and the Bioeconomy;
  3. Secure, clean and efficient energy;
  4. Smart, green and integrated transport;
  5. Climate action, environment, resource efficiency and raw materials
  6. Europe in a changing world - inclusive, innovative and reflective societies;
  7. Secure societies - protecting freedom and security of Europe and its citizens.

# Pillar III: budget

## III. Societal Challenges

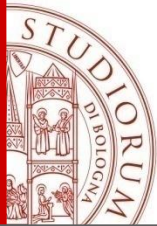




# Priority 3. Societal Challenges

## 1. SC1: SALUTE, EVOLUZIONE DEMOGRAFICA E BENESSERE

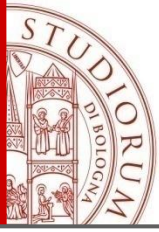
- Comprendere le determinanti della salute, migliorare la promozione della salute e la prevenzione delle malattie
- Sviluppo di programmi di screening efficaci e miglioramento della valutazione della predisposizione alle malattie
- Migliorare i metodi diagnostici
- Invecchiamento attivo, vita indipendente e assistita
- Miglioramento degli strumenti e dei metodi scientifici a sostegno dell'elaborazione delle politiche e della regolamentazione
- Ottimizzare l'efficienza e l'efficacia dei sistemi sanitari
- diffusione delle migliori pratiche e di tecnologie e approcci innovativi



# Priority 3. Societal Challenges

## **2. SC2: SICUREZZA ALIMENTARE, AGRICOLTURA SOSTENIBILE, RICERCA MARINA E MARITTIMA E BIOECONOMIA**

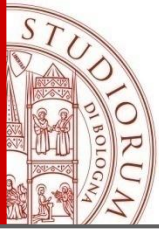
- Agricoltura e silvicoltura sostenibili
- Un settore agroalimentare sostenibile e competitivo per un'alimentazione sicura e sana
- Liberare il potenziale delle risorse biologiche acquatiche
- Bioindustrie sostenibili e competitive



# Priority 3. Societal Challenges

## 3. **SC3: ENERGIA SICURA, PULITA ED EFFICIENTE**

- Ridurre il consumo energetico
- Fornitura di energia elettrica a basso costo e a basse emissioni
- Combustibili alternativi e fonti energetiche mobili
- Un'unica rete elettrica europea intelligente
- Nuove conoscenze e tecnologie
- Smart Cities and communities

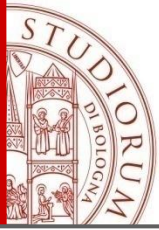


# Priority 3. Societal Challenges

## 4. **SC4: TRASPORTI INTELLIGENTI, ECOLOGICI E INTEGRATI**

- Trasporti efficienti dal punto di vista delle risorse che rispettino l'ambiente
- Migliorare la mobilità, diminuire il traffico e aumentare la sicurezza
- Primato mondiale per l'industria europea dei trasporti
- Ricerca socioeconomica e attività orientate al futuro per l'elaborazione delle strategie politiche

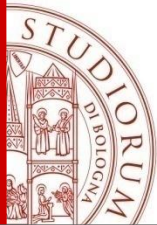




# Priority 3. Societal Challenges

## **5. SC5: AZIONE PER IL CLIMA, EFFICIENZA DELLE RISORSE E MATERIE PRIME**

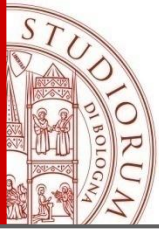
- Lotta e adattamento ai cambiamenti climatici
- Gestione sostenibile delle risorse naturali e degli ecosistemi
- Garantire un approvvigionamento sostenibile di materie prime non energetiche e non agricole
- Consentire la transizione verso un'economia verde grazie all'innovazione ecocompatibile
- Sviluppare sistemi completi e stabili di informazione e osservazione ambientali a livello mondiale



## Priority 3. Societal Challenges

### **6. SC6: L'Europa in un mondo che cambia - società inclusive, innovative e riflessive**

- Società inclusive:
  - Promuovere una crescita intelligente, sostenibile e inclusiva
  - Costruire in Europa società inclusive e flessibili
- Società innovative:
  - Rafforzare il ruolo svolto dall'Europa sulla scena mondiale
  - Esplorare nuove forme di innovazione, che includano l'innovazione e la creatività sociale
- Società riflessive patrimonio culturale e identità europea:
  - lo studio del patrimonio culturale, della memoria, dell'identità, dell'integrazione e delle interazioni e traduzioni culturali in Europa



# Priority 3. Societal Challenges

## 7. SC7: SOCIETA' SICURE

- Lotta contro la criminalità e il terrorismo
- Potenziare la sicurezza mediante la gestione delle frontiere
- Garantire la sicurezza informatica
- Migliorare la capacità di reazione dell'Europa di fronte alle crisi e alle calamità
- Garantire la tutela della vita privata e della libertà su Internet e rafforzare la dimensione sociale della sicurezza

# Come partecipare

SC2

FET

SC5

FTI

MSCA

LEIT

ERC

SC6



# Participant portal

It is the only authoritative source of information to

- Find calls and submit proposal to them
- Access to the H2020 Online manual (step by step instructions on how to prepare and submit your proposal, register your organisation, and prepare or manage your grant) and the reference documents

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

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Participant Portal

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HOME FUNDING OPPORTUNITIES HOW TO PARTICIPATE EXPERTS SUPPORT LOGIN REGISTER

## Horizon 2020 Funding

Starting from 1/1/2014

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

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

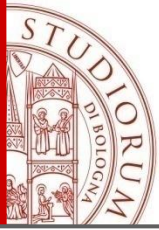
<p><b>Non-registered users</b></p> <ul style="list-style-type: none"> <li>• search for funding</li> <li>• read the funding guide &amp; download the legal documents</li> <li>• check if an organisation is already registered</li> <li>• contact our support services or check our FAQs</li> </ul>	<p><b>Registered users</b></p> <ul style="list-style-type: none"> <li>• submit your proposal</li> <li>• sign the grant</li> <li>• manage your project throughout its lifecycle</li> </ul>
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WHAT'S NEW? FUNDING OPPORTUNITIES HOW TO PARTICIPATE WORK AS AN EXPERT MY PERSONAL AREA INFORMATION AND SUPPORT

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# Participant portal: search opportunities

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WHAT'S NEW?




FUNDING OPPORTUNITIES




HOW TO PARTICIPATE



WORK AS AN EXPERT



MY PERSONAL AREA

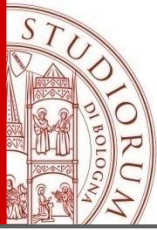


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## EU Programmes 2014-2020

Search Topics

Updates

Calls

**H2020**

3rd Health Programme

Asylum, Migration and Integration Fund

Consumer Programme

COSME

Hercule III Programme

Internal Security Fund - Borders

Internal Security Fund - Police

Justice Programme

Pilot Projects & Preparatory Actions

Promotion of Agricultural Products

Research Fund for Coal & Steel

Rights, Equality and Citizenship Programme

Union Civil Protection Mechanism

## Calls for Proposals

**FILTER**

Horizon 2020 [Advanced search for topics](#) [Calls for tenders on TED](#)

- Access to risk finance
- Innovation in SMEs
- Societal Challenges
  - Health, demographic change and wellbeing
  - Food security, sustainable agriculture and forestry, marine and maritime and inland water research and the bioeconomy
  - Secure, clean and efficient energy
  - Smart, green and integrated transport
  - Climate action, environment, resource efficiency and raw materials

Status  Calls with forthcoming topics  Calls with open topics  Calls with only closed topics

Sort by  Call title  Call identifier  Publication date  **FILTER**

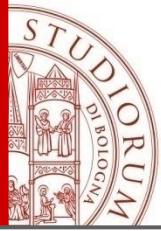
**Societal Challenges**  
Horizon Prize - Birth Day  
H2020-BirthDayPrize-2016  
Publication date: 28 April 2016

**Societal Challenges**  
H2020-JTI-IMI2-2015-08-single-stage  
H2020-JTI-IMI2-2015-08-single-stage  
Publication date: 18 December 2015

**Industrial Leadership**  
Horizon 2020 dedicated SME Instrument 2016-2017  
H2020-SMEInst-2016-2017  
Publication date: 14 October 2015

**Societal Challenges**  
Digital Security Focus Area  
H2020-DS-2016-2017  
Publication date: 14 October 2015

# Participant portal: search opportunities by keywords



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EU Programmes 2014-2020 **244** Results

Keyword Search: Find a topic **SEARCH**

If you don't find your topic, you can also use the [free text search](#).

Select the Programme **FILTER**

Hold the 'CTRL' key to select several programmes.

H2020

Status  Forthcoming  Open  Closed

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

**Topic:** [ALTFI-01-2017: Improving access by innovative SMEs to alternative forms of finance](#) **Open**

**Publication date:** 25 April 2017

**Types of action:** CSA Coordination and support action

**DeadlineModel:** single-stage **Deadline:** 07 September 2017 17:00:00

**Opening date:** 25 April 2017 **Time Zone :** (Brussels time)

**Topic:** [BBI.2017.D1: Valorisation of liquid and solid side streams from bio-based operations into high added-value products to create new feedstock for bio-based products](#) **Open**

**Publication date:** 11 April 2017

**Types of action:** BBI-IA-DEMO Bio-based Industries Innovation action - Demonstration

**DeadlineModel:** single-stage **Deadline:** 07 September 2017 17:00:00

**Opening date:** 11 April 2017 **Time Zone :** (Brussels time)

Search Topics

Updates

Calls

H2020

3rd Health Programme

Asylum, Migration and Integration Fund

Consumer Programme

COSME

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Internal Security Fund - Borders

Internal Security Fund - Police

Justice Programme

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- [3rd Health Programme](#)
- [Asylum, Migration and Integration Fund](#)
- [Consumer Programme](#)
- [COSME](#)
- [Hercule III Programme](#)
- [Internal Security Fund - Borders](#)
- [Internal Security Fund - Police](#)

**CALL: INTERNET OF THINGS** [Call budget overview](#)

Call identifier: H2020-IOT-2016-2017  
Publication date: 14 October 2015



Horizon 2020 [H2020 website](#)

Pillar: Industrial Leadership  
Work Programme Year: H2020-2016-2017  
Work Programme Part: Cross-cutting activities (Focus Areas)

#### Call summary

[+ More](#)

**Scene Setter:**

**Internet of Things - Focus Area (IoT- FA)** ambition is to foster the take up of IoT in Europe and to enable the emergence of IoT ecosystems supported by open technologies and platforms. It will be

#### Call updates

[+ More](#)

- **08 December 2016 00:30** The submission session is now available for: IoT-03-2017(RIA)

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#### TOPIC : R&I on IoT integration and platforms

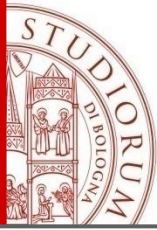
<b>Topic identifier:</b>	IoT-03-2017
<b>Publication date:</b>	14 October 2015
<b>Types of action:</b>	RIA Research and Innovation action
<b>DeadlineModel:</b>	single-stage
<b>Opening date:</b>	08 December 2016
<b>Deadline:</b>	25 April 2017 17:00:00

Time Zone : (Brussels time)

Horizon 2020 [H2020 website](#)  
Pillar: Industrial Leadership  
Work Programme Year: H2020-2016-2017  
Work Programme Part: Cross-cutting activities (Focus Areas)  
Call : H2020-IOT-2016-2017 [Call budget overview](#)

#### Topic Updates [+ More](#)

- 11 January 2017 17:51**  
As of 1st January 2017, Switzerland is associated to the entire H2020 programme. In



# Topic page: description

## **Specific Challenge:**

The future design of the Internet of Things applications will depend crucially on the development of sophisticated platform architectures for smart objects, embedded intelligence, and smart networks. Most of the today's IoT systems are however mainly focused on sensors, whereas in the future actuation and smart behaviour will be the key points.

Research driven by ambitious use cases and benefiting from innovation areas in components, systems, networking and web technologies needs to be carried out to respond to the ever increasing needs of future IoT systems in terms of scalability, heterogeneity, complexity and dynamicity. IoT platforms should be open and easy-to-use to support third party innovation

## **Scope:**

- Architectures, concepts, methods and tools for open IoT platforms integrating evolving sensing, actuating, energy harvesting, networking and interface technologies. Platforms should provide connectivity and intelligence, actuation and control features, linkage to modular and ad-hoc cloud services, Data analytics and open APIs as well as semantic interoperability across use cases and conflict resolution. The work may also address the emergence of an open Web of Things like environment with search capabilities, so that "thing events" can be published, consumed, aggregated, filtered, re-published and searched for. Platforms should be compatible with existing international developments addressing object identity management, discovery services, virtualisation of objects, devices and infrastructures and trusted IoT approaches. Proposed research and innovation should take advantage of previous work and build on existing platforms, such as FIWARE, CRYSTAL or SOFIA, if appropriate.

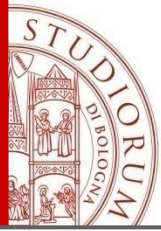
## **Expected Impact:**

Two or more of the following criteria should be addressed, with success metrics where appropriate.

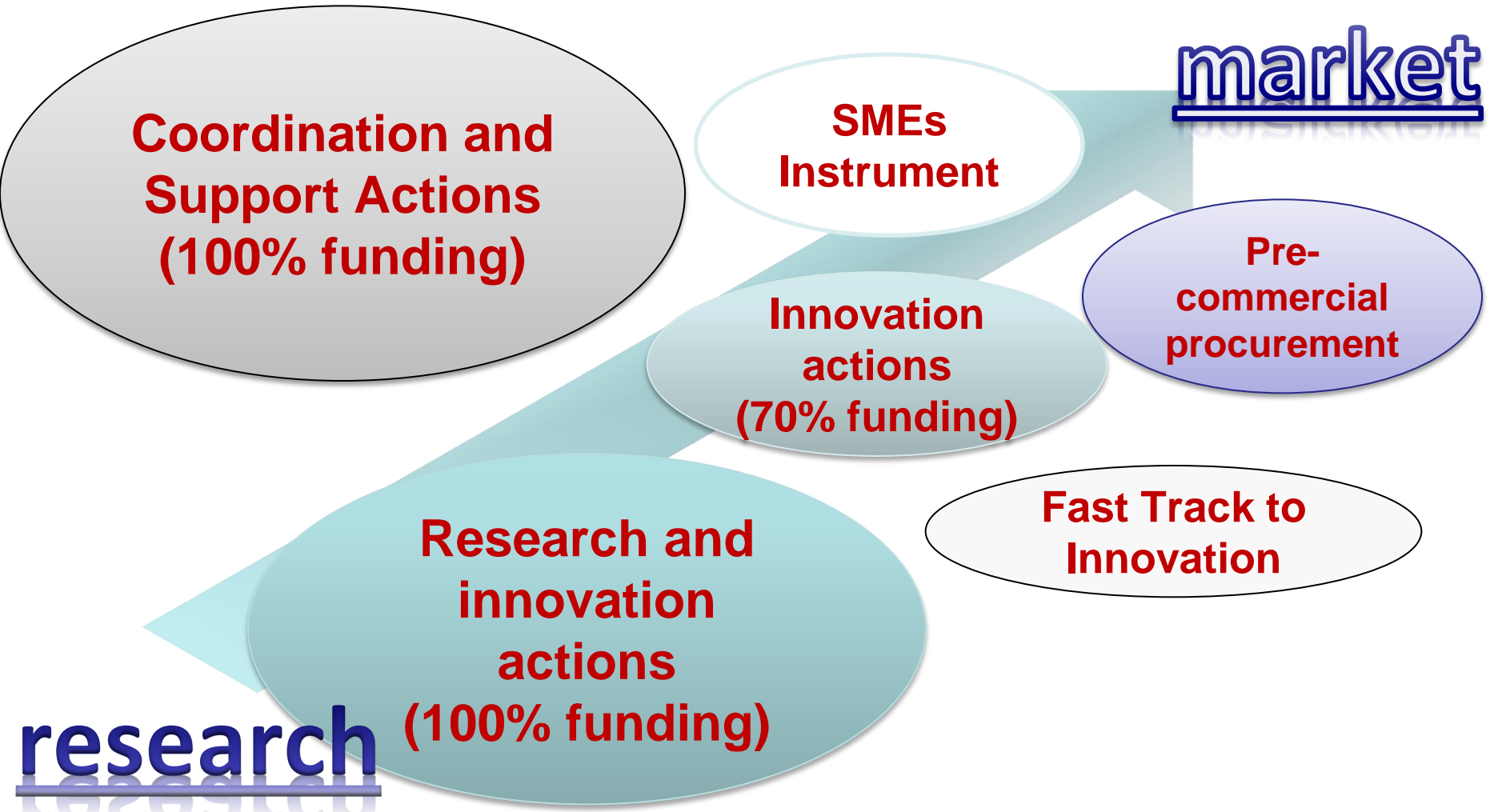
- Evolution of platform technologies and contribution to scientific progress enabling novel, advanced semi-autonomous IoT applications.
- Strengthen the industrial EU technological offer of innovative IoT solutions
- Contribution to emerging or future standards and pre-normative activities
- Increase of IoT usability and user acceptance, notably through strengthened security and user control
- Support emergence of an open market of services and innovative businesses
- Promote the adoption of EU platforms in European and international context

## **Cross-cutting Priorities:**

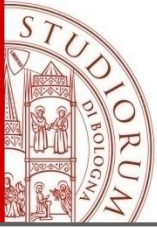
Cross-cutting Key-Enabling Technologies (KETs)



# Type of Actions in H2020







dreamstime.com

## RIA

produzione di nuove conoscenze per verificare/migliorare l'efficacia di nuove tecnologie, prodotti, processi, servizi, soluzioni

ricerca di base o applicata, sviluppo o integrazione di tecnologie, validazione e test su scala ridotta (in lab. o in ambiente simulato)

100% dei costi ammissibili  
3 legal entities, each established in different MS/AC

## IA

produzione di impianti e disegni per nuovi o migliori prodotti, processi o servizi

attività di prototipazione, test, dimostrazione, "piloting", validazione su larga scala e progetti di prima applicazione commerciale

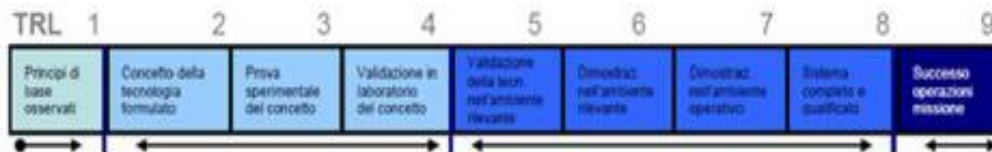
100% per enti no-profit (70% dei costi ammissibili)  
3 legal entities, each established in different MS/AC

## CSA

Coordinare e supportare attività di ricerca e innovazione

attività di standardizzazione, disseminazione, comunicazione,, rete, studi sui risultati di ricerca

100% dei costi ammissibili  
1 legal entity



## CHI PUO' PARTECIPARE?

- Qualsiasi soggetto giuridico stabilito in uno SM/PA
- Soggetti provvisti di personalità giuridica stabiliti in SM/PA
- JRC
- Organizzazioni internazionali di interesse EU
- Organizzazioni internazionali e soggetti stabiliti in Paesi terzi
- Soggetti giuridici no-profit

## CHI PUO' RICEVERE FINANZIAMENTO?

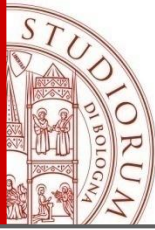
- Qualsiasi soggetto giuridico stabilito in uno SM/PA
- JRC
- Paesi ICPC
- Organizzazioni internazionali di interesse EU
- Organizzazioni internazionali e soggetti stabiliti in paesi terzi non ICPC se previsto da WP e accordi bilaterali

### CONDIZIONI MINIME

- Almeno 3 soggetti giuridici
- Ognuno in uno SM o PA diverso
- indipendenti gli uni dagli altri

### DEROGHE

- Azioni di ricerca di frontiera ERC
- Strumento SMEs
- CSA
- MSCA
- Cofinanziamento di programmi di ricerca
- Dove indicato dai WP



# Which countries are eligible for funding?

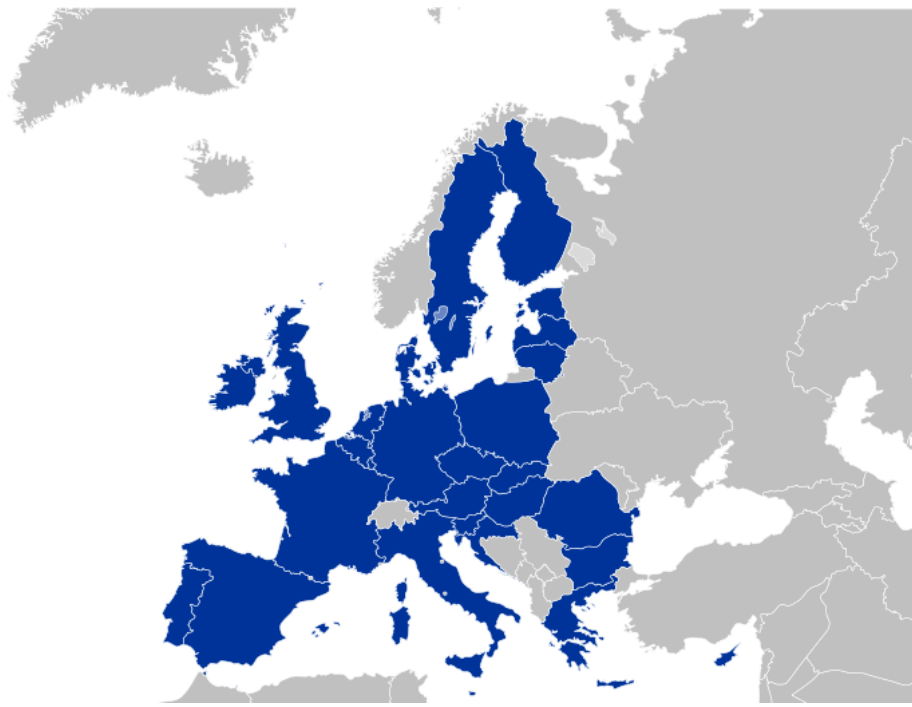
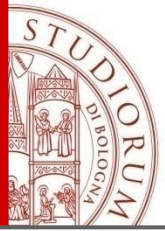
Horizon 2020 is open to participation from across the world

## **List of countries eligible for funding:**

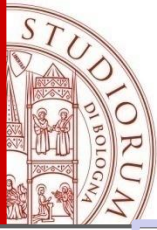
- Member States (MS) including their overseas departments
- The Overseas Countries and Territories (OCT) linked to the Member States (eg British Virgin Islands, French Polynesia ...)
- Countries Associated to H2020 (AC)
- Developing countries (list of these countries are available in the annex to the work programme)

Only funding for other countries when provisions is made in the call text

# Countries associated to H2020 (updated 01/01/2017)



- Iceland
- Norway
- Albania
- Bosnia and Herzegovina
- the former Yugoslav Republic of Macedonia
- Montenegro
- Serbia
- Turkey
- Israel
- Moldova
- Switzerland
- Faroe Islands
- Ukraine
- Tunisia
- Georgia
- Armenia



# References

- Horizon 2020: [http://ec.europa.eu/research/horizon2020/index\\_en.cfm?pg=home&video=none](http://ec.europa.eu/research/horizon2020/index_en.cfm?pg=home&video=none)
- Europe 2020: [http://ec.europa.eu/europe2020/index\\_it.htm](http://ec.europa.eu/europe2020/index_it.htm)
- Innovation Union: [http://ec.europa.eu/research/innovation-union/index\\_en.cfm?pg=home](http://ec.europa.eu/research/innovation-union/index_en.cfm?pg=home)
- EIT: [eit.europa.eu](http://eit.europa.eu)
- ERC: <http://erc.europa.eu/>
- Marie Curie Actions: <http://ec.europa.eu/research/mariecurieactions/>
- ICT-Key Enabling Technologies: [http://ec.europa.eu/enterprise/sectors/ict/key\\_technologies/index\\_en.htm](http://ec.europa.eu/enterprise/sectors/ict/key_technologies/index_en.htm)
- FET: [http://cordis.europa.eu/fp7/ict/programme/fet\\_en.html](http://cordis.europa.eu/fp7/ict/programme/fet_en.html)
- European Strategy Forum on Research Infrastructures - ESFRI: [http://ec.europa.eu/research/infrastructures/index\\_en.cfm?pg=esfri](http://ec.europa.eu/research/infrastructures/index_en.cfm?pg=esfri)
- EU International strategy for research and innovation <http://ec.europa.eu/research/iscp/index.cfm?pg=strategy>
- Participant Portal <https://ec.europa.eu/research/participants/portal/desktop/en/home.html>



UNIBO - Research and Third Mission Division – ARIC

**Arianna Morelli** [arianna.morelli@unibo.it](mailto:arianna.morelli@unibo.it)