



#InvestEUresearch



Horizon 2020 Work Programme for Research & Innovation 2018-2020

EU funding for health research SMEs

BIO-Europe 2018, Copenhagen

Laszlo Helmle, Strategy Unit
Health Directorate, European Commission

Research and
Innovation

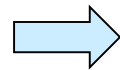


Research and innovation – a growing priority for the EU

Horizon 2020 supports Commission priorities



- Jobs, growth & investment
- Digital single market
- EU – a stronger global actor



- Couple research to innovation
- Provide evidence-base for addressing societal challenges, supporting EU policies and better regulation
- Strengthen research capacities and innovation strategies across all Member States
- Address people's concerns

Health Research in Horizon 2020

Collaborative R&I projects



Public-Private Partnership with big Pharma



Public-Public Partnerships with EU Member States & beyond



MORE YEARS
BETTER LIVES

Blue sky research



European Research Council



HORIZON2020 Marie Skłodowska-Curie actions

Grants for small businesses



InnovFin Loans for small & large companies

Horizon Prize
Prizes

Education - R&D - Innovation

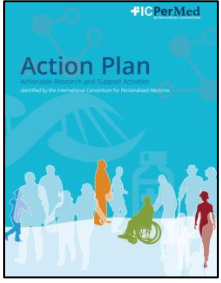


Collaborative research

- Collaboration between countries, sectors, disciplines
- minimum 3 legal entities from 3 different EU Member States or FP-associated countries (not for the SME instrument or financial instruments, which are mono-beneficiary!)
- 3-year work programme (2018-2020) with published call topics
- Electronic submission (and grant management) via 'Funding & Tenders Portal'
- Independent peer review; success rate around 10%
- 8 month from submission deadline to signature of the grant agreement
- Typical EU funding per project: 4-6 million EUR
- Managed (in Societal Challenge 1) directly by the Commission

≈ € 2 billion

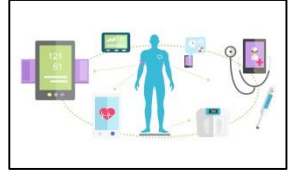
Health collaborative research – 7 priorities for 2018–2020



Personalised medicine



Innovative health and care industry



Innovative health, and care systems – Integration of care



Decoding the role of the environment for health and well-being



Digital transformation in Health and Care



Infectious diseases and improving global health



Trusted digital solutions and Cybersecurity for Health and Care

© bahtiarmaulana , #110775030, 2017. Source: fotolia.com © robu_s, #101871020, 2017. Source: Fotolia.com, © maxsattana, #174546837, 2017. Source: Fotolia.com; © gloppy, #41555605, 2017. Source: Fotolia.com; © iconimage, #115660282, 2017. Source: Fotolia.com; © Maren Winter, #137474084, 2017. Source: Fotolia.com



Innovative health and care industry

SC1-BHC-07-2019

Regenerative medicine: from new insights to new applications

- addressing unmet clinical needs of large patient groups
- from early testing and characterization of regenerative mechanisms to preclinical research, proof of concept or clinical trial

SC1-BHC-10-2019

Innovation Procurement: **next generation sequencing** (NGS) for routine diagnosis

- support for personalised medicine
- clinically validated procedures, quality assurance schemes

Digital transformation in Health and Care

SC1-DTH-10-2019-2020

submission deadline: 14 Nov 2018

Innovation Procurement: **Digital health and care services**

- facilitate the transition to integrated care models across health and social services
- Key challenges: patient empowerment, self-management, patient safety, patient involvement, chronic disease management, diagnosing, home-care logistics, hospital logistics, skills and independent living

SC1-DTH-01-2019

Big data and Artificial Intelligence for monitoring health status and quality of life **after the cancer treatment**

- address relevant health economic issues, use patient reported outcome and experience measures

Trusted digital solutions and Cybersecurity for Health and Care

DT-TDS-01-2019

submission deadline: 14 Nov 2018

Smart and healthy living at home

- Intelligent and personalised digital solutions for sustaining and extending healthy and independent living
- Personalised early risk detection and intervention



European Innovation Council: pilot 2018-2020

€ 2.7 billion to support +5,000 SMEs and innovators

ECOSYSTEM SUPPORT: **COACHING, MENTORING** for all SME beneficiaries

Early stage science
& tech
*Emerging tech,
Visionary ideas*

Test and co-create
*Demonstrate,
validate*

Feasibility /
Startup

Development

FET-OPEN
Future
Emerging
Technologies

FTI
Fast Track to
Innovation

**SME
Instrument**
Phase 1

**SME
Instrument**
Phase 2

MARKET CREATING

6 EIC HORIZON **PRIZES**:

1. Innovative Batteries for eVehicles
2. Fuel from the Sun: Artificial Photosynthesis
3. **Early Warning for Epidemics**
4. Blockchains for Social Good
5. Low-Cost Space Launch
6. **Affordable-HighTech for Humanitarian Aid**

European Innovation Council pilot – funding opportunities for innovators

Instrument →	SME-Instrument		FTI	FET-Open	EIC Horizon prizes
	Phase 1	Phase 2			
For whom	One or more eligible ¹ SMEs		From 3 to 5 eligible ¹ entities (mostly industrial ²)	At least 3 entities ³	One or more entities (with restrictions ¹ for some of the prizes)
Focus	Exploring the feasibility of a business idea (~ 6 months)	Breakthrough innovation & international growth (12-24 months)	Close-to-market innovation	Radically new technologies	6 different topics (major societal issues)
Maximum funding⁴	50,000 €	2.5 M€	3 M€	3 M€ (RIAs) 0.5 M€ (CSAs)	Varies for each prize
Total budget 2018-20	164 M€	1,425 M€	300 M€	647 M€ (RIAs) 10 M€ (CSAs)	40 M€

(1) Applicants must be established in an EU Member State or in a country associated to Horizon 2020

(2) This industry involvement implies: (a) either the allocation of at least 60% of the budget to industry participants in the consortium, or (b) the presence of a minimum number of two industry participants in a consortium of three or four partners, or of three industry participants in a consortium of five partners

(3) A FET-Open consortium must always include at least 3 participants from 3 different EU Member States or Associated Countries. In addition to these three partners, any legal entity from anywhere in the world can also be included in the consortium.

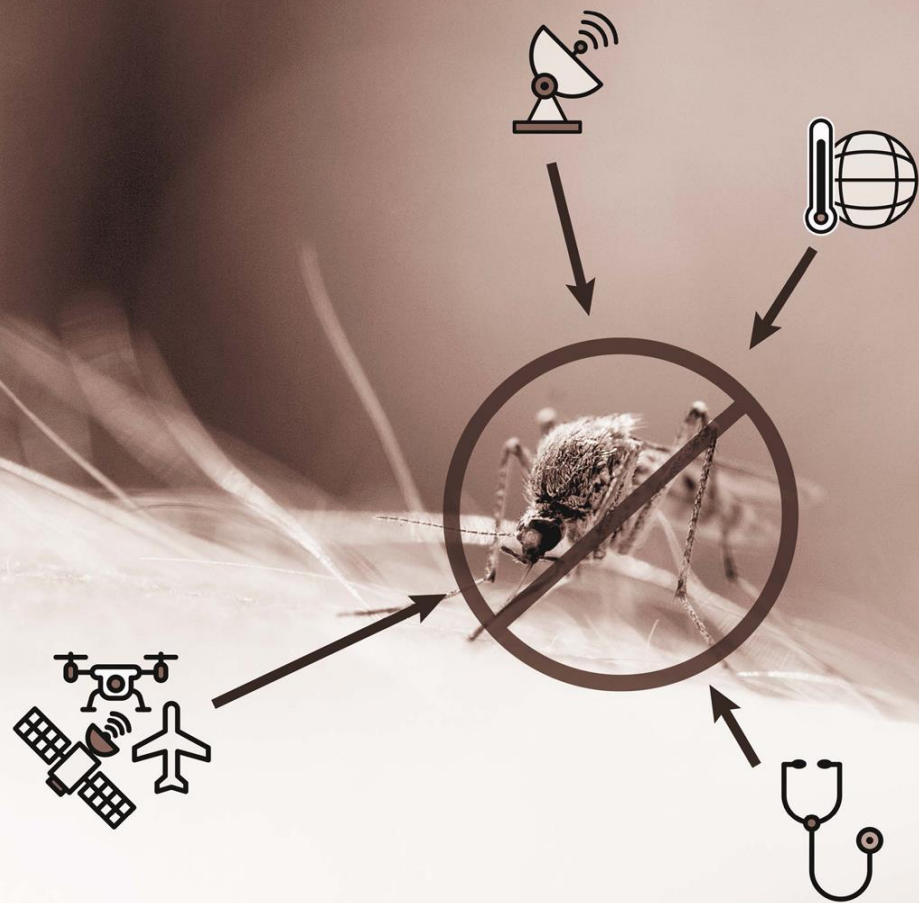
(4) Per project – with possible exceptions



**EARLY WARNING
FOR EPIDEMICS**

EIC • HORIZON
prize

SOLVE THE CHALLENGE
€5 million





**AFFORDABLE
HIGH-TECH FOR
HUMANITARIAN AID**

EIC • HORIZON
prize

SOLVE THE CHALLENGE

€ 5 million in prizes





1.148 billion

Eurostars total public budget 2014-2020



75%

+

25%



EUROSTARS
COUNTRIES
CONTRIBUTION



EU
CONTRIBUTION



Project leader is an **R&D-performing SME** from a Eurostars country



At least 2 Participants

- Autonomous entities
- Legal entities from **at least 2 Eurostars countries**



SMEs are in the **driving seat**

International balance

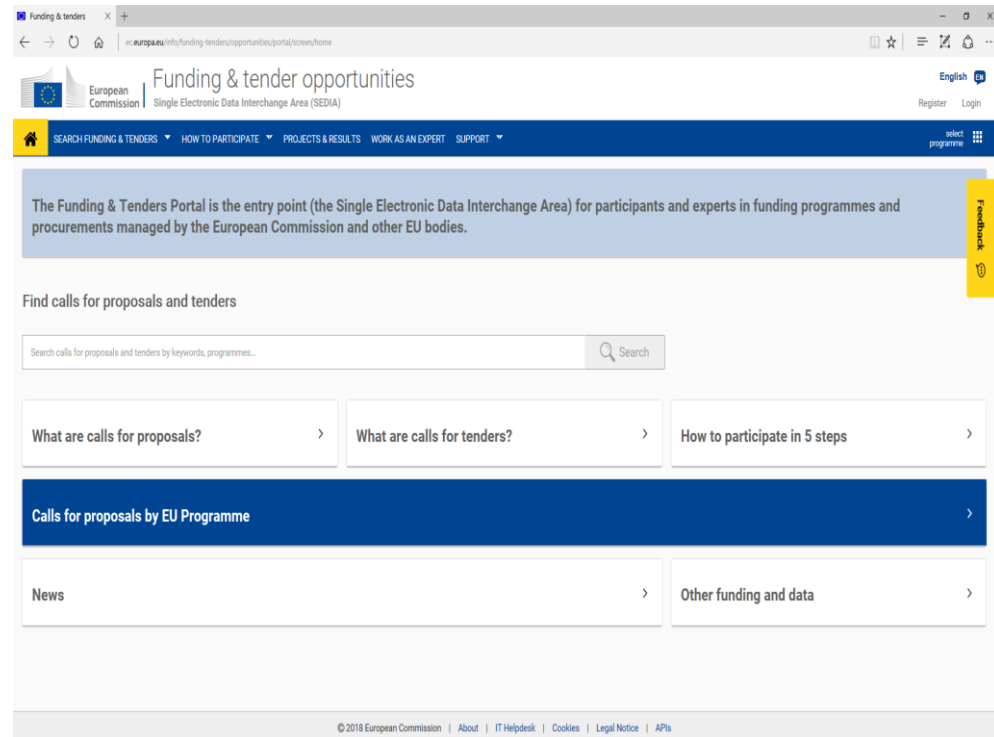


Project duration is max. **3 years**

Market introduction within **2 years**

Funding & Tenders Portal: one-stop shop

- Call topics + all related documents
- **NCPs**
- Expert registration
- Legal & guidance documents
- FAQs
- Access to proposal submission system



<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/home>

Thank you!

@EUScienceInnov

#InvestEUresearch

#EUHealthResearch

<http://ec.europa.eu/research/health>

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/home>