



STAR-IDAZ
International Research
Consortium on Animal Health

The European Union Framework Programme for Research and Innovation to foster transnational collaboration

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OIE, 29 May 2019

THE EU FRAMEWORK PROGRAMME FOR RESEARCH AND INNOVATION

HORIZON 2020

HORIZON 2020



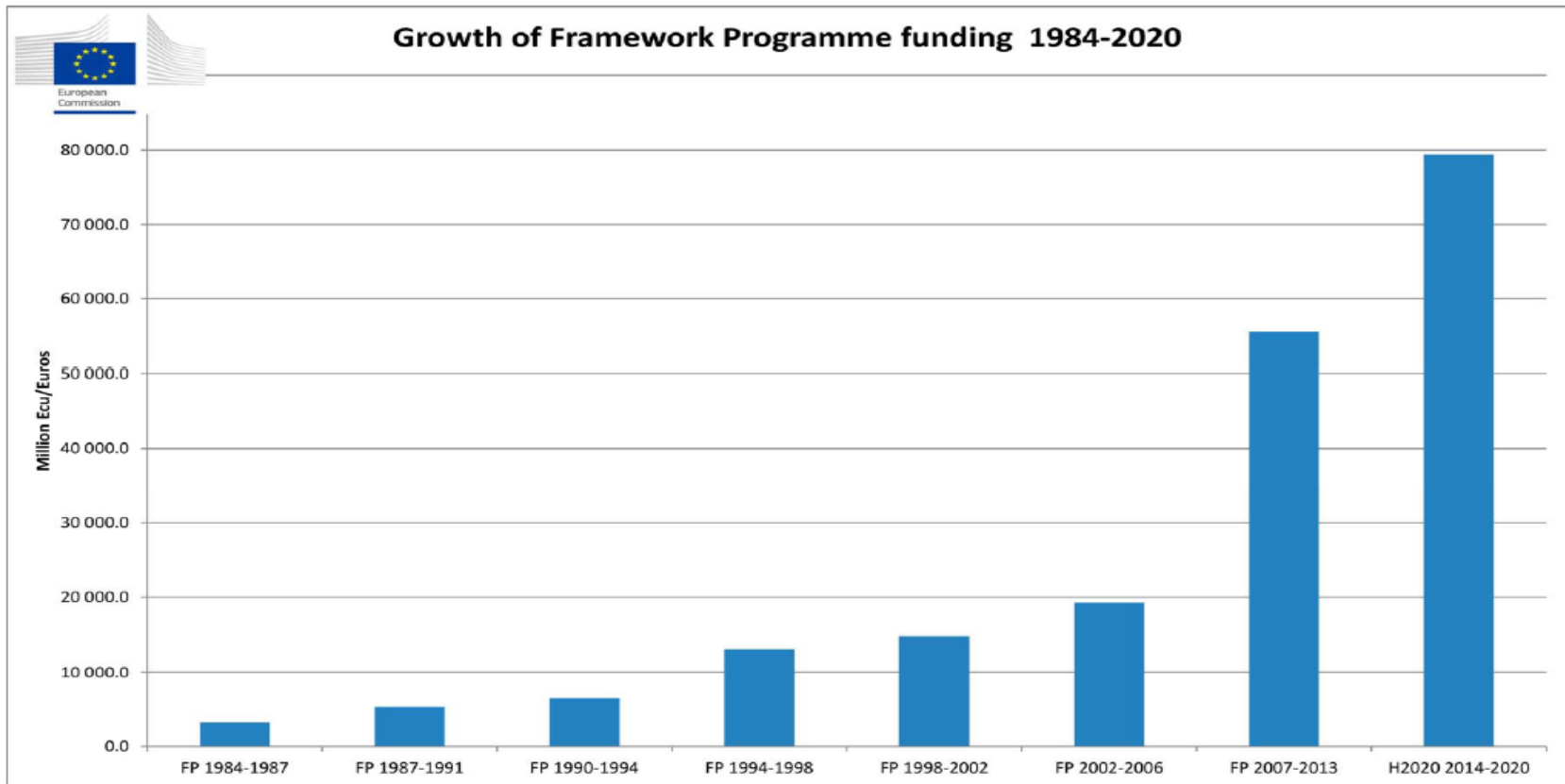
Budget €79 000 million
(current prices)

Duration 2014-2020

THE EU FRAMEWORK PROGRAMME FOR RESEARCH AND INNOVATION

HORIZON 2020

How has EU Research and Innovation funding evolved over recent years?

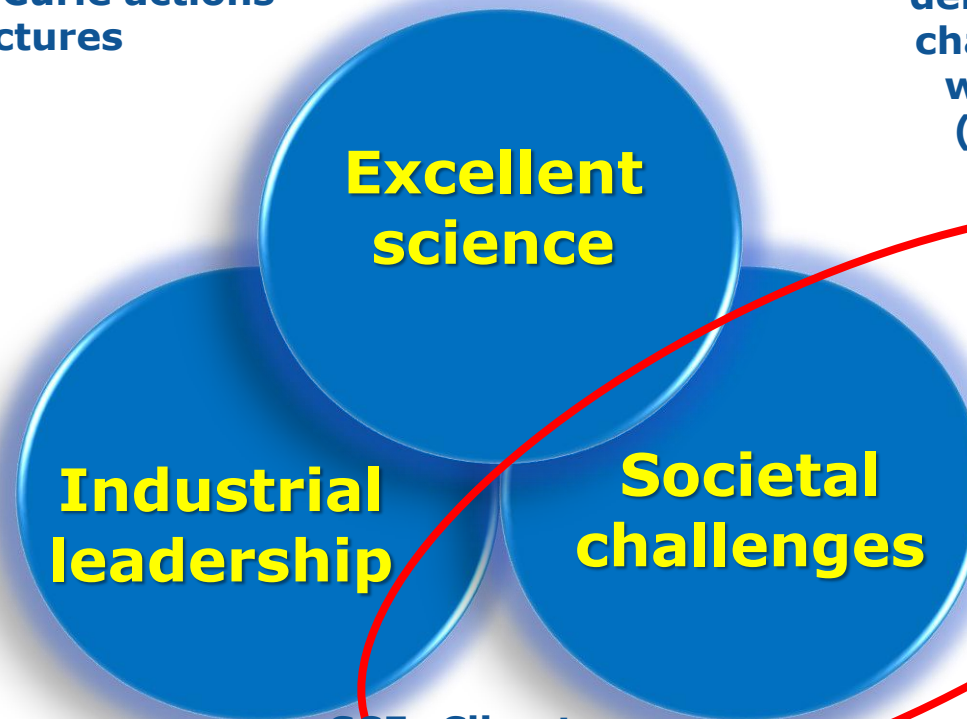




Horizon 2020 (2014–2020)

- European Research Council
- Future and Emerging Technologies
- Marie Skłodowska-Curie actions
- Research infrastructures

- Leadership in enabling and industrial technologies
- Access to risk finance
- Innovation in SMEs



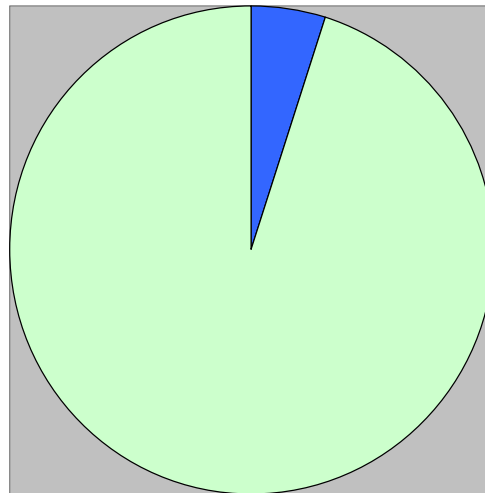
**SC1- Health,
demographic
changes and
wellbeing
(€ 7.2 b)**

**SC2- Food
security,
sustainable
agriculture and
forestry, marine
and maritime
research and the
bioeconomy
(€ 3.8 b)**

**SC5- Climate
action,
environment,
resource
efficiency
(€ 3 b)**



What is the EU Framework funding for research?



■ EU 27 ■ National (public + private)

EU research funding has been crucial for:

- Transnational scientific collaboration
- Integration, pooling of resources
- Transfer of know-how, mobility of researchers and training



International cooperation

- **International cooperation is crucial** to address many Horizon 2020 objectives
- **Principle of general openness:** the programme will remain to be the most open funding programme in the world
- Horizon 2020 shall be open to the **association** of: acceding countries, candidate countries and potential candidates and selected international partner countries that fulfil the relevant criteria (capacity, track record, close economic and geographical links to the Union, etc.)
– see list of associated countries at http://ec.europa.eu/research/participants/data/ref/h2020/grants_manual/hi/3cp/h2020-hi-list-ac_en.pdf?_ga=2.58655886
- Targeted actions to be implemented taking **a strategic approach to international cooperation**
- **For the first 3 years of H2020:** out of 58 964 participations and EUR 24.8 billion of EU contribution entities from Member States receive a total of 92.8% of the EU contribution while representing 91.1% of participations. Associated countries represent 6.9% of the participations and 6.6% of the funding allocated (9.0% in FP7), **whereas Third Countries constitute 1.9% of participations for 0.6% of the funding.**
- **In the work-programme 2018-2020,** over €1 billion investment for 30 international flagship initiatives: with Canada on personalised medicine; with African countries on food security and renewable energies; with the US, Japan, South Korea, Singapore and Australia on road transport automation; with India on water challenges



International cooperation (mainly SC2)

- ✓ Targeted topics, e.g.
 - 2019 topic on development of vaccine against ASF
- ✓ Special agreements with regions/countries
 - Bilateral: EU and China as part of the Food, Agriculture and Biotechnology (FAB) Task Force with an EU contribution of EUR 51 million: e.g. projects EU-China-Safe; HealthyLivestock
 - Multilateral: EU – African Union partnership on food and nutrition security and sustainable agriculture (FNSSA) with an EU contribution in the range of EUR 140 million (topic on vector-borne diseases planned for 2020); PRIMA is a ten-year joint programme financed by Horizon 2020 and participating countries. Focused on the development of solutions for food systems and water resources in the Mediterranean basin
- ✓ Global cooperation initiatives, e.g.
 - Coordination actions, e.g.
 - International Research Consortia: CSA to support secretariat of STAR-IDAZ IRC (animal health research); EC member of IRC
 - SIRCASA (international cooperation on agricultural soil)
- ✓ ERA-NET for international cooperation of research on animal infectious diseases



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H2020 projects and topics contributing to STAR-IDAZ IRC

SIRCAH: secretariat of STAR-IDAZ iRC

One Health EJP (European Joint Programme cofund)

DEFEND (ASF and LSD)

SWINOSTICS and VIVALDI (diagnostics)

SFS-11-2018-2019: Anti-microbials and animal production

2018: **ROADMAP** (rethinking management of health of farmed animals)

2019: Alternatives to anti-microbials

SFS-12-2019: development of a ASF vaccine

SFS-31-2019-C: ERA-NET for international coordination of research on infectious animal diseases

(SFS-35-2019-2020-C: Vector-borne diseases in Africa)



SFS-31-2019/Scope C. : ERA-NET on international coordination of research on infectious animal diseases

About (Horizon 2020) ERA-NETs

EU funding instruments to **coordinate (public) research programmes of countries/regions**. They support public-public partnerships in the preparation, implementation and coordination of joint activities.

The EU brings **top up funding to a joint call for proposals for transnational research projects**. The EU contribution is proportional (max 33%, up to max EU contribution) to the total public **-in cash** (in this case)- funding in the call*.

ERA-NET consortia are mostly composed on programme owners / funding agencies, who usually fund their own research centres when they are part of transnational projects selected under the joint call ("Virtual common pot")

Other entities (public, private) can be part of selected research projects, but norammy have to bring their own resources.

ERA-NETs can be open to international cooperation (like this one): H2020 rules apply

***: Indicative EU contribution for this ERA-NET : €5million**, minimum matching funds by consortium: €10mio. The ERA-NET is expected to organize additional activities, in order to obtain leveraging beyond the co-funded joint call.

Some of the EU contribution can go into networking activities, but not at the expenses of the call budget (compensation needed)



Previous ERAnets in Animal Health (FP7)

EMIDA (Animal Health Research):

- 25 funding organisations
- €45m invested
- 26 projects funded (collaborative international networks)

ANIHWA (Animal Health and Welfare Research)

- €30m invested
- 33 projects funded

bTB, BTV, FMD, Campylobacter, Mastitis, TSEs, etc...



SFS-31-2019/Scope C. : ERA-NET on international coordination of research on infectious animal diseases

- **International cooperation and industry engagement in projects selected under the ERA-Net are encouraged.**
- Follow the policies and contribute to the objectives of the **STAR-IDAZ international research consortium** (<http://www.star-idaz.net/>) .
- **Participation of legal entities from third countries,** and/or regions including those not automatically eligible for funding in accordance with General Annex A, is encouraged in the joint call as well as in other joint activities including additional joint calls without EU co-funding. Participants from countries not listed in General Annex A are eligible for EU funding under this topic and may request a Union contribution (on the basis of the ERA-NET unit cost) only for the coordination costs of additional activities.



'ICRAD' ERA-NET proposal recently selected

Themes of intended 'ICRAD' research call

1. Improved understanding of endemic and emerging infectious animal diseases
 - ASF, Animal Influenzas and other priority diseases
 - Host/pathogen interactions, Epidemiology, Host immunology
2. Generic technology platforms for producing novel and/or improved vaccines
 - Including in relation to reduced use of anti-microbials
3. Rapid, accurate and easy to use in-field diagnostics technology

Commission proposal for Horizon Europe

THE NEXT EU RESEARCH & INNOVATION
PROGRAMME (2021 – 2027)

#HorizonEU



This presentation does not engage the European Commission.
Please refer to official documents



Partial agreement on legal text, but some parts, not least the funding, to be discussed with the new European Parliament, by the end of 2019

No intended big change on international cooperation

ERA-NET scheme (top-up EU funding of joint calls) due to disappear, but:

- Coordination Action as funding scheme for coordination of programmes likely to exist
- Renewed approach to partnerships: fewer and bigger partnerships intended, including a proposed partnership on animal health