

Horizon 2020 infoday

The Scientific Institute of Public Health

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Agenda

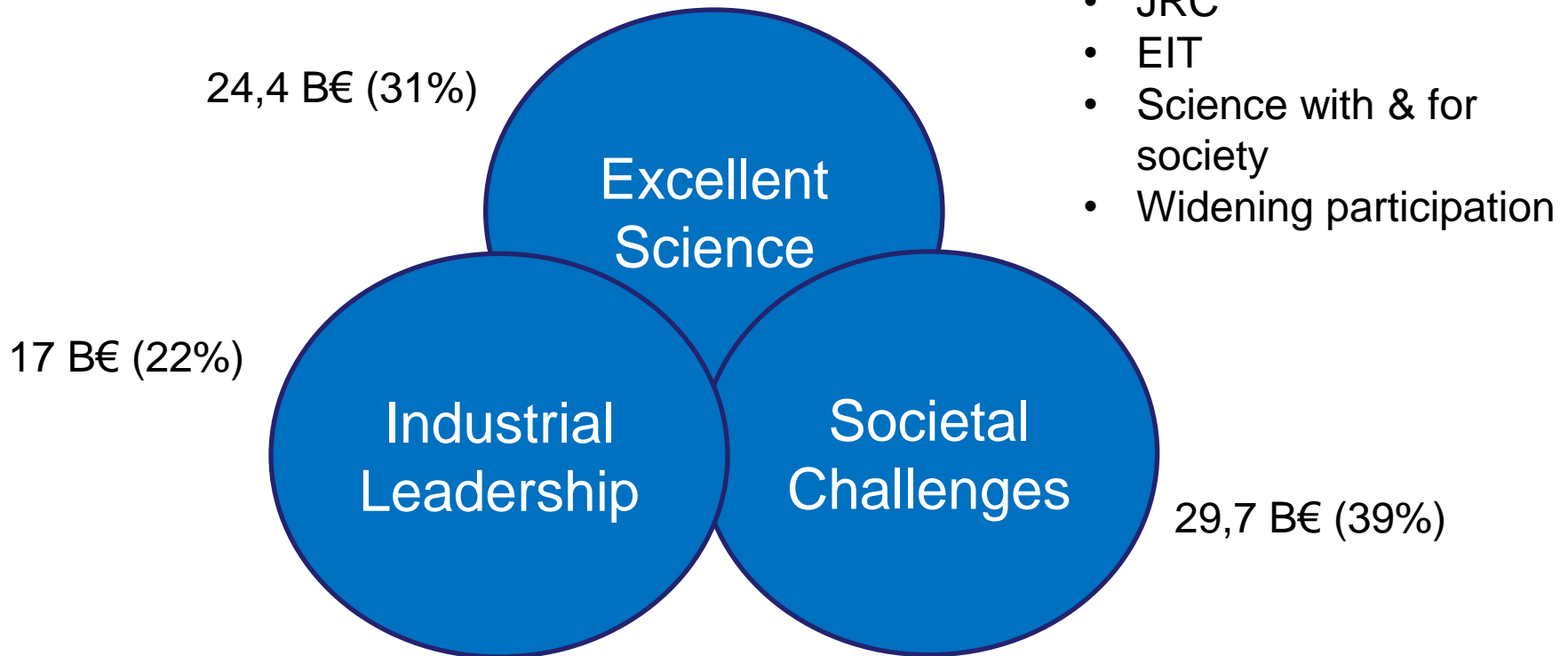
1. Structure Horizon 2020
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1. Structure Horizon 2020

What is Horizon 2020?

- New Framework Programme for Research and Innovation for 2014-2020 (75 billion €)
- Financial instrument to implement the Innovation Union
- Coupling research to innovation
- Challenge based

3 pillars



Horizon 2020

Excellent Science

European Research Council*

Future and emerging technologies

Marie Skłodowska Curie actions*

European Research infrastructures (incl. e-infrastructures)*

Competitive Industries

Leadership in enabling and industrial technologies:

- **dedicated support for ICT** *
- nanotechnologies
- advanced materials
- biotechnology
- advanced manufacturing and processing
- **space***

Access to risk finance

Innovation in SMEs

Societal Challenges

Health, demographic change and wellbeing*

Food security, sustainable agriculture, marine and maritime research and the bio-economy*

Secure, clean and efficient energy

Smart, green and integrated transport

Climate action, resource efficiency and raw materials*

Inclusive, innovative and secure societies*

Secure Societies*

European Institute of Innovation and Technology (EIT)

Joint Research Centre (JRC)*

Spreading Excellence and Widening Participation

Science with and for Society*

Excellent Science

- **European Research Council (ERC)**
Frontier research, all fields of science, all nationalities
- **Marie-Sklodowska-Curie actions (MSCA)**
Training and career development
- **Future and Emerging Technologies (FET)**
Collaborative research to open up new and promising fields of research & innovation
- **European Research Infrastructures (RI)**
Ensure access to world-class RI (incl. e-RI) in EU and beyond

Industrial Leadership

- Leadership in enabling and industrial technologies (LEIT)
 - Information and Communication Technologies (ICT)
 - Nanotechnologies, advanced materials, advanced manufacturing & processing
 - Biotechnology
 - Space
- 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
- Inclusive, innovative and reflective societies
- Secure Societies

2. Financial issues Horizon 2020

Simplification, Globalisation, Gender, Open Access

- **The new main words in H2020**
- **Major features in H2020**

Significant innovations in H2020



- **EU Financial Regulation and Rules for participation are valid for all H2020 components** (e.g. EIT, JTI, Article 185...); exceptions are possible where necessary.
- **Standard funding rates** for all project participants and activities
- (one funding rate/project)
- **25% flat rate for indirect costs**

Maximum reimbursement rates	Research and technological development activities (*)	Demonstration activities	Other activities
Network of excellence	50% 75% (**)		100%
Collaborative project(****)	50% 75% (**)	50%	100%
Coordination and support action			100% (***)

Significant innovations in H2020

- **Shortening of the average „time-to-grant“**
- **Simplified controls and audits**
 - ✓ Certificate on the Financial Statements per project/participant only for funding ≥ 325.000 EUR and only once at the end of the project
 - ✓ Audits possible within 2 years after „Balance Payment“
- **Simplification of time-keeping records**
- **Open Access as basic principle for scientific publications**
- **Electronic signatures**

Funding Instruments

Funding actions	Funding rates
Research and Innovation action	100 %
Innovation action (close to market) <i>funds new, modified or improved products, processes or services</i> <i>- creating prototypes, tests, demonstrations, pilot projects, large-scale product validation and developing marketability</i>	70 % 100 % for NPOs
Co-ordination and support action	100 %
European Research Council (ERC)	100 %
Marie Skłodowska-Curie action	100 % (except Co-fund)
SME Instrument	70 %

New!

New!

Funding partners from third countries

- **Differentiation according to country groupings**
- Funding, if specified in the **Work Programme**
- **„Industrialised States“, BRIC and Mexico**
=> no automatic funding, except in the case of:
 - ✓ Funding as specified in the Work Programme or
 - ✓ Participation is essential for the realisation of the project or
 - ✓ Existing bilateral agreement



Time-to-grant: „5+3“

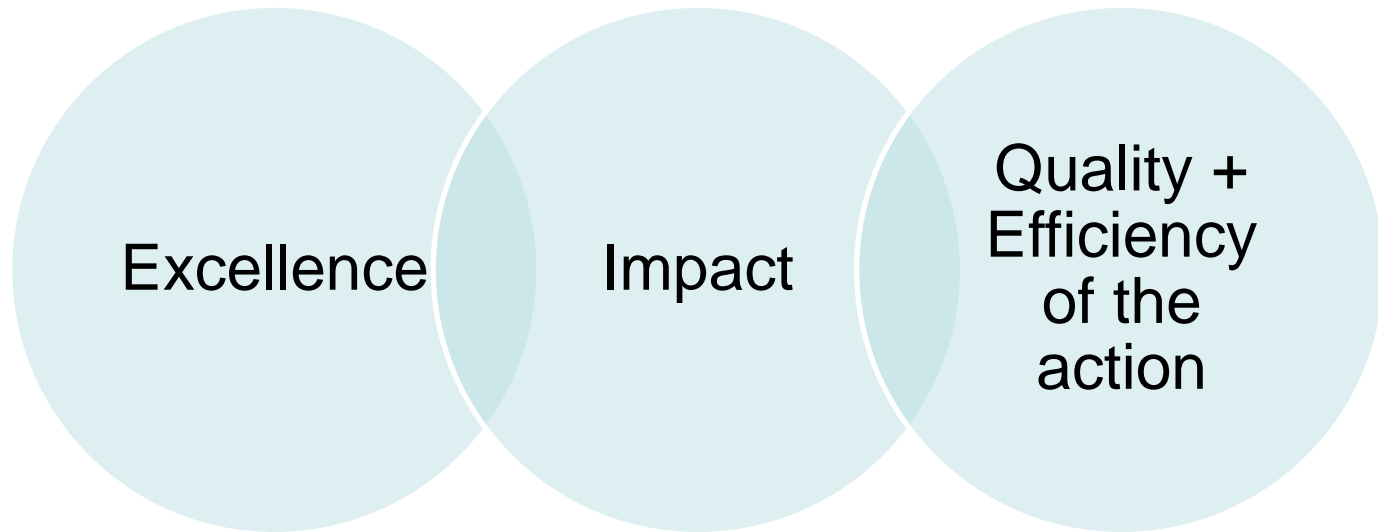
- Information on the **evaluation results** max. **5 months** from Call-Deadline (two-stage Calls: 2nd Call deadline)
- Thereafter max. **3 months to conclusion of contract**



- Longer period of time-to-grant possible:
ERC projects / justified exceptional cases (complex projects) /
request of consortium

To speed up: each proposal will be evaluated „as it is“, not as „what it could be“; no more paper

Evaluation of proposal – standard award criteria

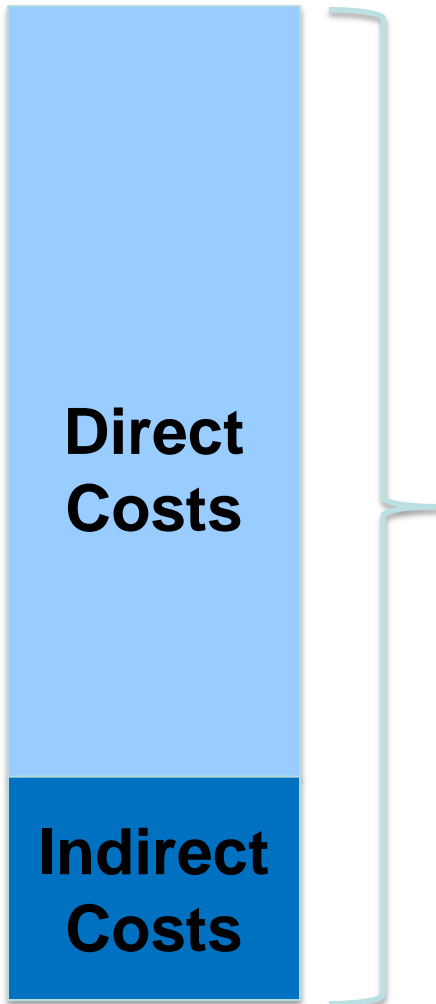


- ✓ ERC frontier research actions = „only excellence“
- ✓ Innovation actions = higher weighting for „impact“

Funding rate

- For “**Research and Innovation actions**“: **100 %**
Indirect costs: 25 % of the direct, eligible costs
(except subcontracting + third parties in-kind contribution not used on the beneficiaries premises)

Funded to 100%



Direct Costs	Indirect Costs	Total	Funding rate	Funding
100 €	25 €	125 €	100 %	125 €

Funding rate

- For „Innovation actions“: **70 %**
„non-profit“ org.: **100 %**
- **Indirect Costs: 25 % of the direct eligible costs**
(except subcontracting + third parties in-kind contribution
not used on the beneficiaries premises)

Generally funded to 70 %

**Direct
Costs**

**Indirect
Costs**

Type of organisation	Direct costs	Indirect costs	Total	Funding rate	Funding
General	100 €	25 €	125 €	70 %	87,5 €
Non profit org.	100 €	25 €	125 €	100 %	125 €

Overview of cost reporting

- **Types of costs, same as FP7:** actual costs, flat-rate costs, ..



- **Standard cost categories, same as FP7:** personnel costs, subcontracting, other direct costs (e.g. travel expenses, equipment /infrastructure depreciation, services...) and indirect costs

Time-keeping records

For employees who spend **100 %** of their working time on the project, written confirmation is sufficient to confirm that they have worked exclusively on the project.

Other direct costs

Purchase of goods, works und services:

- Best price-performance ratio or lowest price
- Public procurement law, if applicable

The **Value-Added-Tax (VAT)** is **eligible** provided that it will not be deductible.

Open Access

Scientific (peer-reviewed) publications:

- **Open Access as a basic principle** („green“ or „gold“)
- **No “obligation to publish“!**
- beneficiary must aim to deposit research data needed to validate the results
- OA costs are eligible for the duration of the project.

Research data:

- **Pilot “open Research Data Pilot“**

3. NCPs in Belgium

Why do you want to talk to your National Contact Point

- National Contact Points (NCPs) are appointed intermediaries between the European Commission and (potential) projects participants
- NCPs know the rules of the game: processes, jargon, legal and financial matters, administration. Timeframe of calls for proposals. Understanding of work programmes. Latest versions of documents.
- NCPs belong to European networks to help you find suitable partners and relevant contacts

How NCPs can help you

- NCPs give information via website, newsalert, twitter,..
- NCPs answer your questions via email, phone,..
- NCPs give information in your own language
- NCPs organise workshops, training, face-to-face meetings,..
- NCPs read your proposal to make it better
- NCPs help you during the whole process from idea to managing your project

Regional level



Federal and communities



4. Horizon 2020 themes

4.1. Excellent Science

European Research Council

- Autonomous funding body launched in 2007
- Led by scientists (22 scientists in the Scientific Council)
- Grants for excellent researchers, of any nationality, to perform frontier research in Europe
- All fields of science

ERC - Grants

Starting Grants
2-7 years after PhD
Up to 2 M€
for 5 years
Deadline: 25/03/14
Budget: 485 M€
(370)

Consolidator Grants
7-12 years after PhD
Up to 2,75 M€
for 5 years
Deadline: 20/05/14
Budget: 713 M€
(400)

Advanced Grants
>12 years after PhD
Up to 3,5 M€
for 5 years
Deadline: 21/10/14
Budget: 450 M€
(200)

Proof of Concepts
Up to 150.000€ for ERC grantees
Deadline: 1/10/14
Budget: 15 M€ (100)

ERC- Evaluation

- Only criteria is excellence
- 2 step evaluation
- Step 1: remote evaluation by PM of the CV and synopsis (kill 80% of excellent proposals). PM are generalists and experts (25 panels)
- Step 2: Remote assessment of full proposals by PM and reviewers, panel meeting and interview (StG and CoG). 50% success
- Restriction to resubmission of proposals to future calls

Marie Skłodowska-Curie actions

- Innovative Training Networks (ITN) – Only ESR

Main EU programme for structured doctoral training.

Deadline: 9/04/14; 405 M€

Research and Innovation Staff Exchange (RISE)

To promote international and inter-sectoral collaboration through research and innovation staff exchanges

Deadline: 24/04/14; 70 M€

- Individual Fellowships (IF) – Only ER

Deadline: 11/09/14; 240 M€

MSCA - ITN

- International network of partners which recruit and host ESRs based on joint research training/doctoral programme. Open to MS/AC/TC
- Research fields chosen by applicants in multi/interdisciplinary and emerging fields of S&T.
- Training through individual research projects within the framework of the overall research topic.
- Meaningful exposure to the non-academic sector.
- Typical project duration 48 months. Researchers 3-36 months

ITN – typical activities

- Network-wide training activities (e.g. seminars, workshops and summer schools).
- Training in key transferable skills.
- Collaboration and exchange of knowledge within the network.
- Communication & Dissemination.
- Public engagement.

3 implementation modes

**European
Training
Networks**

350 M€
8 scientific panels

**European
Industrial
Doctorates**

30 M€
Separate evaluation panel

**European
Joint
Doctorates**

25.5 M€
Separate evaluation panel

European Training Networks

- Min 3 MS/AC
- No mandatory PhD programme
- Typical: 6-10 participants
- Beneficiary : mandatory recruitment and hosting of ESR
- 540 researchers months
- Secondment: 30%

European Industrial Doctorates

- Min 2 MS/AC
- PhD enrolment at univ + $\geq 50\%$ at non-academic partner
- Joint selection, training and supervision
- Mandatory consortium agreement
- 180/540 researchers months (2/3 MS)
- Each researchers is recruited

European Joint Doctorates

- International, intersectoral, interdisciplinary joint doctoral training
- Min 3 MS/AC entitled to deliver PhD
- Joint degree
- Non-academic sector essential
- Mandatory consortium agreement
- Max 540 researchers months
- Each researchers is recruited. Secondment up to 30%

ITN - Funding

Living allowance	Mobility allowance	Family allowance	Research, training and networking costs	Management and indirect costs
3110	600	500	1800	1200

- Country coefficient for the living allowance
- Institutional costs can be redistributed

MSCA - RISE

- Project built on joint research and innovation activities
- Project implemented through the secondment of staff (no recruitments). All R&I& management staff (employed 6 month prior to secondment)
- Each staff member seconded for a period of 1 to 12 months
- Maximum project duration is 4 years, 540 researchers months
- No mobility rules
- Accent is on transfer of knowledge (return mechanism)

RISE - Implementation

- Min 3 participants from 3 countries, min 2 MS/AC
- Secondment: international and/or intersectoral
- If all MS/AC, 1 academic and 1 non-academic
- MS (Ac) seconded to MS (N Ac) YES
- MS (Ac/N Ac) seconded to TC (Ac/N Ac) YES

RISE - Funding

Staff member unit person/month Top up allowance	Research, training and networking costs	Management and indirect costs
2000	1800	700

- No country coefficient

MSCA - IF

- To enhance the creative and innovative potential of experienced researchers through advanced training, international and intersectoral mobility
- **European Fellowships:** researcher comes to or move in EU (12-24 months)
- **Global Fellowships:** researcher is seconded to an outside EU country, return-phase of 1 year is mandatory (24-36 months)
- Also support to reintegration, return grants and restart of career
- Mobility rule: < 12 month in the last 3 years in host country at deadline

IF- Typical activities

- Concrete plan of training through research (Career development plan at the beginning of the fellowship)
- Communication & Dissemination activities
 - Account for the use of funding
 - Present results and relevance of it to public
- Public engagement
 - Present activities to students
 - Awareness of research and implications

IF- Funding

Researcher unit costs person/month			Institutional unit cost person/month	
Living allowance	Mobility allowance	Family allowance	Research, training and networking costs	Management and indirect costs
4650	600	500	800	650

Country coefficient following the country of the host institution

4.2. Societal challenges

4.3. Societal challenge: Health, demographic change and wellbeing – SC1

Health, demographic change and wellbeing

- Calls for proposals

H2020-PHC-2014-single-stage (15 April 2014)

H2020-PHC-2014-two-stage (9 August 2014)

H2020-PHC-2015-single-stage (21 April 2015)

H2020-HCO-2014 (15 April 2014)

H2020-HCO-2015 (21 April 2015)

Health, demographic change and wellbeing

Topics of the calls for proposals:

- Understanding health, ageing and disease
- Effective health promotion, disease prevention, preparedness and screening
- Improving diagnosis
- Innovative treatments and technologies
- Advancing active and healthy ageing
- Integrated, sustainable, citizen-centred care
- Improving health information, data exploitation and providing an evidence base for health policies and regulation

4.3. Societal challenge: Food Security, Sustainable Agriculture and Forestry, Marine, Maritime and Inland Water Research and the Bioeconomy (AGRO) – SC2

AGRO

- Three different calls (subthemes):
 - Call for Sustainable Food Security
 - Call for Blue Growth: Unlocking the potential of Seas and Oceans
 - Call for an Innovative, Sustainable and Inclusive Bioeconomy
- Deadlines for the calls:
 - 26 June 2014 (single stage)
 - 24 February 2015 (two stage)
 - 11 June 2015 (single stage)

AGRO

- The Sustainable Food Security call has three lines of activities:
 - Sustainable food production systems
 - Safe food and healthy diets and sustainable consumption
 - Global drivers of food security

AGRO

- The Blue Growth call has four lines of activities:
 - Sustainably exploiting the diversity of marine life
 - New offshore challenges
 - Ocean observation technologies/systems
 - Horizontal aspects, socio-economic sciences, innovation, engagement with society and ocean governance across the blue growth focus area

AGRO

- The Innovative, Sustainable and Inclusive Bioeconomy call has three lines of activities:
 - Sustainable Agriculture and Forestry
 - Sustainable and competitive bio-based industries
 - Cross-cutting actions covering all activities

4.3. Societal challenge: Secure Societies – SC7

Secure Societies

- Four different calls (subthemes):
 - Call for Disaster-resilience: safeguarding and securing society, including adapting to climate change
 - Call for Fight against crime and Terrorism
 - Call for Border Security and External Security
 - Call for Digital Security: Cybersecurity, Privacy and Trust

Secure Societies

- Deadlines:
 - 28 August 2014
(27 August 2015)
- Interesting topics (1):
 - DRS-2-2014: Tools for detection, traceability, triage and individual monitoring of victims after a mass CBRN contamination and/or exposure
 - DRS-4- 2014: Feasibility study for strengthening capacity-building for health and security protection in case of large-scale pandemics

Secure Societies

- Interesting topics (2):
 - DRS-6-2015: Addressing standardisation opportunities in support of increasing disaster resilience in Europe
 - DRS-15-2015: Protecting potentially hazardous and sensitive sites/areas considering multi-sectorial dependencies
 - FCT-3-2015: Mobile, remotely controlled technologies to examine a crime scene in case of an accident or a terrorist attack involving CBRNE materials

5. More information ?

- Website: <http://eurofed.stis.belspo.be/>
- Subscription newsletter:
<http://eurofed.stis.belspo.be/eurofed.asp?id=s02&pg=subscribe&srv=1&lang=en>
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