

Horizon 2020 – Funding programme of the EU

Possibilities for the Integrated Police

17 April 2014

Agenda

1. Horizon 2020 ?
2. Legal & Financial issues
3. What is expected from a project proposal ?
4. Interesting topics for the Integrated Police
5. Where to get help ?

1. Horizon 2020 ?

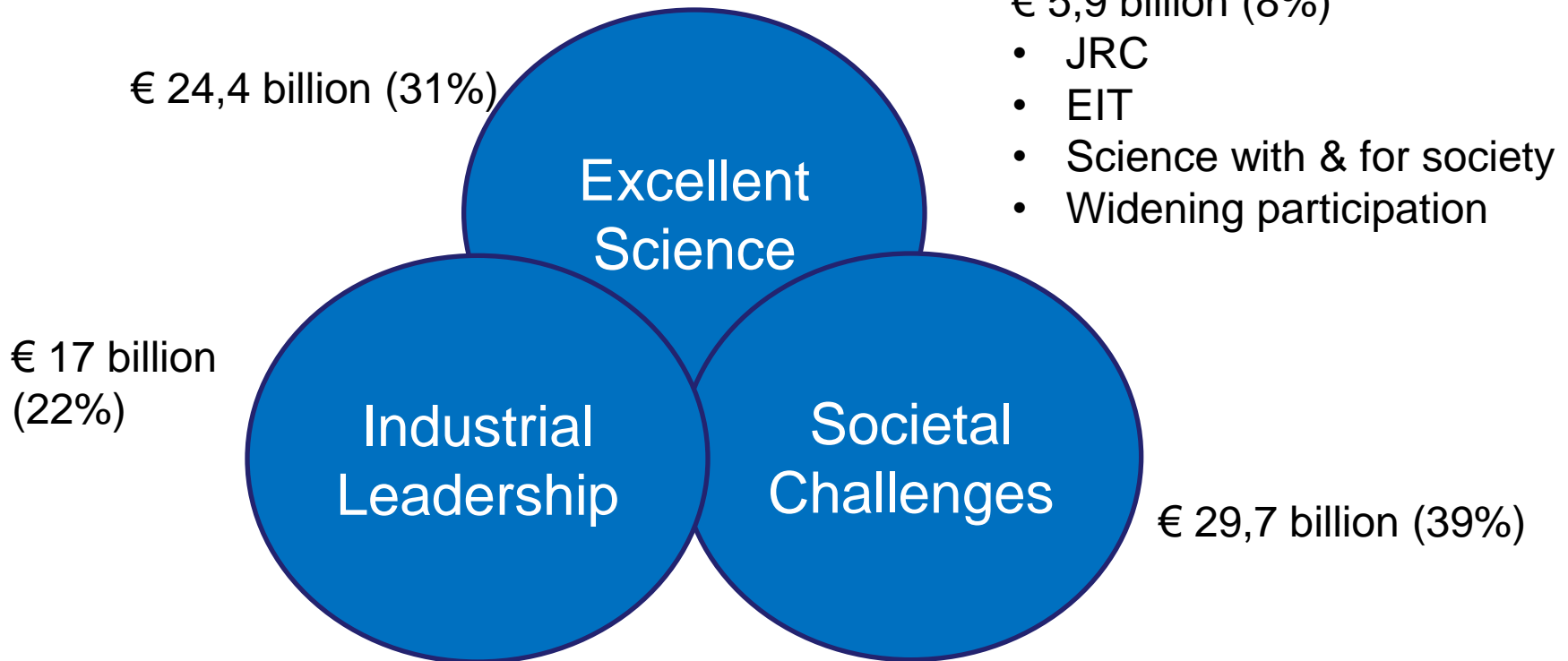
What is Horizon 2020 ?

- 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

Structure of Horizon 2020

- 3 programme sections:
 - Excellent Science
 - Industrial Leadership
 - Societal Challenges
- 1 horizontal programme section (4 thematic areas)

3 pillars



Horizon 2020

Excellent Science	Competitive Industries	Societal Challenges
European Research Council*	Leadership in enabling and industrial technologies:	Health, demographic change and wellbeing*
Future and emerging technologies	<ul style="list-style-type: none">• dedicated support for ICT *• nanotechnologies• advanced materials• biotechnology• advanced manufacturing and processing• space*	Food security, sustainable agriculture, marine and maritime research and the bio-economy*
Marie Skłodowska Curie actions*	Access to risk finance	Secure, clean and efficient energy
European Research infrastructures (incl. e-infrastructures)*	Innovation in SMEs	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*

Something for you as well ?

- One answer: ABSOLUTELY !!
- Thematic area ‘Secure Societies’: several topics dedicated to Law Enforcement Agencies (LEA)
- Active involvement of end-users in project
- Not every partner is obliged to do research or innovation
 - => Testing, demonstrating,... the deliverables of the project

Why participating ?

- International aspect of the programme
- Biggest budget for research and innovation in Europe and possibilities for end-users
- Prestige to be involved in a successful project proposal

...but keep in mind

- Although time-to-contract is short for European projects, it's still ± 1 year starting from the publication of the call.
- Your research has to fit perfectly in the topic description.
- The competition is very high.

2. Legal & Financial issues

Funding rate

- **Funding rate: 100 %**
- **Indirect costs: 25 % of the direct, eligible costs**
(except subcontracting + third parties in-kind contribution not used on the beneficiaries premises)

Direct
Costs

Indirect
Costs

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

Types of costs

- All the costs on behalf of the project can be claimed: personnel costs, subcontracting, other direct costs (e.g. travel expenses, equipment /infrastructure depreciation, services...) and indirect costs
- Only during the run-time of the project



Time-to-grant: „5+3“

- Information on the evaluation results max. 5 months from Call-Deadline
- Thereafter max. 3 months to conclusion of contract



- Longer period of time-to-grant possible:
Security related issues / justified exceptional cases (complex projects) / request of consortium
- Each proposal will be evaluated „as it is“, not as „what it could be“ => No negotiation phase

3. What is expected from a project proposal ?

Rules for participation

- Minimum conditions for participation:
At least three legal entities each established in a different Member State or an Associated Country
- Top-down approach: proposal should fit into topic description

DRS-2-2014 Crisis management topic 2: Tools for detection, traceability, triage and individual monitoring of victims after a mass CBRN contamination and/or exposure

Specific challenge: A fast detection of exposure or contamination with CBRN substances (including toxins) using traceable tools and rapid identification of critically exposed individuals is essential to gain time in the triage of victims in case of accidents or terrorist attack. Research on traceability and monitoring of a large number of people in case of a massive CBRN incident is therefore needed to differentiate between contaminated and/or exposed persons and those individuals not contaminated persons on-site or in hospital zones.

Scope: The objective of this topic is to integrate existing tools and procedures along with the development of novel solutions in order to rapidly determine, in case of accidents or terrorist attack, if victims have been exposed/contaminated or not (by a CBRN agent) as well as the level of contamination / exposure (including making use of point of care diagnostic tests), develop and establish a decontamination / treatment / medical follow up based on the level of contamination / exposure, ensure the tools and procedures fit in overarching search & rescue systems, establish guidelines for hospitalisation and admission to intensive care units (or other specific units) based on the contamination evaluation. A special attention should be given to gender, ethical, religious and privacy aspects, for instance for pregnant women, disabled individuals, etc. The ethical implications and social acceptance of the proposed solution needs to be studied, contributing to an improved cooperation between science and society. Dual-use aspects will be considered with possible synergies being established with the European Defence Agency. Existing networks of end users from all affected fields (e.g. defence/security experts, firemen, rescuers) need to be actively involved in both technologies and procedures.

The Commission considers that proposals requesting a contribution from the EU of between €5m and €12m would allow this specific challenge to be addressed appropriately. Nonetheless, this does not preclude submission and selection of proposals requesting other amounts.

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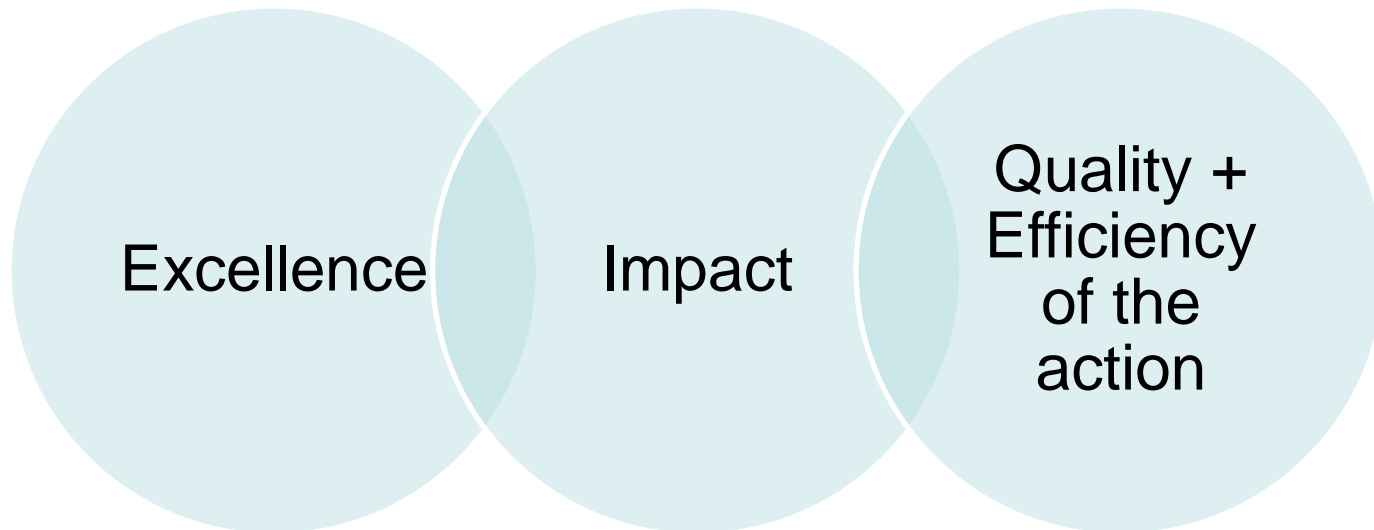
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Expected impact:

- more effective and faster emergency responses to extreme weather and climate events;
Faster analysis of risks and anticipation;
- publicly available online now- and fore-casting systems for disasters triggered by (extreme) weather conditions;
- improved coordination of emergency reactions in the field;
- improved capacity to provide adequate emergency responses to extreme weather and climate events;
- shorter reaction time and higher efficiency of reactions;
- enhancement of citizen's protection and saving lives.

The action is expected to proactively target the needs and requirements of users, such as national law enforcement agencies, climate and weather services, civil protection units and public and private operators of critical infrastructures and networks.

Evaluation of proposal – standard award criteria



- ✓ Innovation actions = higher weighting for „impact“

Evaluation of proposal

- Not carried out by the European Commission, but by 3 to 5 independent evaluators.
- A proposal should at least score 3/5 on every selection criteria and 10/15 in total to be considered, but you should aim higher.
- Overall successrate is 20%.

4. Interesting topics for the Integrated Police

...after the break

Thematic area „Secure Societies“

- Total budget 2014 – 2020: € 1,695 billion
- Currently a work programme for 2014 – 2015:
http://ec.europa.eu/research/participants/data/ref/h2020/wp/2014_2015/main/h2020-wp1415-security_en.pdf
- Deadlines:
 - 28 August 2014
 - (27 August 2015)

- Budget:
 - Topics 2014: € 191 million
 - (Topics 2015: € 209 million)
- Four different calls (subthemes):
 - Call for Disaster-resilience (DRS): safeguarding and securing society, including adapting to climate change
 - Call for Fight against crime and Terrorism (FCT)
 - Call for Border Security and External Security (BES)
 - Call for Digital Security (DS): Cybersecurity, Privacy and Trust

Interesting topics (1)

- DRS-1-2015: Crisis management topic 1: Potential of current and new measures and technologies to respond to extreme weather and climate events
- DRS-3-2015: Crisis management topic 3: Demonstration activity on large scale disasters and crisis management and resilience of EU external assets against major identified threats or causes of crisis

Interesting topics (2)

- DRS-18-2015: Communication technologies and interoperability topic 1: Interoperable next generation of broadband radio communication system for public safety and security – Pre-commercial Procurement (PCP)
- DRS-19-2014: Communication technologies and interoperability topic 2: Next generation emergency services

Interesting topics (3)

- DRS-20-2014: Ethical/Societal Dimension topic 1: Improving protection of Critical infrastructures from insider threats
- DRS-21-2014: Ethical/Societal Dimension topic 2: Better understanding the links between culture, risk perception and disaster management

Interesting topics (4)

- FCT-1-2015: Forensics topic 1: Tools and infrastructure for the fusion, exchange and analysis of big data including cyber-offenses generated data for forensic investigation
- FCT-2-2015. Forensic topic 2: Advanced easy to use in-situ forensic tools at the scene of crime

Interesting topics (5)

- FCT-4-2015: Forensics topic 4: Internet Forensics to combat organized crime
- FCT-5-2014: Law enforcement capabilities topic 1: Develop novel monitoring systems and miniaturised sensors that improve Law Enforcement Agencies' evidence- gathering abilities

Interesting topics (6)

- FCT-6-2015: Law Enforcement capabilities 2: Detection and analysis of terrorist-related content on the Internet
- FCT-7-2014: Law enforcement capabilities topic 3: Pan European platform for serious gaming and training

Interesting topics (7)

- FCT-8-2014: Law enforcement capabilities topic 4: Trans-national cooperation among public end-users in security research stakeholders
- FCT-9-2015: Law Enforcement capabilities topic 5: Identity Management

Interesting topics (8)

- FCT-10-2014: Urban security topic 1: Innovative solutions to counter security challenges connected with large urban environment
=> focus on **local police forces**
- FCT-11-2014: Urban security topic 2: Countering the terrorist use of an explosive threat, across the timeline of a plot, including the detection of explosives in a flow

Interesting topics (9)

- FCT-12-2014 Urban security topic 3: Minimum intrusion tools for de-escalation during mass gatherings improving citizens' protection
- FCT-14-2014: Ethical/Societal Dimension Topic 2: Enhancing cooperation between law enforcement agencies and citizens - Community policing

Interesting topics (10)

- FCT-15-2015: Ethical/Societal Dimension Topic 3: Better understanding the role of new social media networks and their use for public security purposes
- BES-6-2015: Border crossing points topic 2: Exploring new modalities in biometric-based border checks

Interesting topics (11)

- BES-7-2015: Border crossing points topic 3: Optimization of border control processes and planning
- BES-8-2015: Supply Chain Security topic 1: Development of an enhanced non-intrusive (stand-off) scanner

Interesting topics (12)

- BES-9-2014: Supply Chain Security topic 2: Technologies for inspections of large volume freight

5. Where to get help ?

What can we do for you ?

- First line of assistance for you: CGI
=> Contact them; they are there to assist you !
- CGI and National Contact Point collaborate to help you:
 - looking for existing to consortia
 - finding additional partners
 - ...

More information

- EUROFED website

<http://eurofed.stis.belspo.be/>

- Official Horizon 2020 website

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

- Participant portal

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