



European
Commission



Funding Research for a Secure Society

Graham Willmott

European Commission

DG Migration and Home Affairs

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EU R&I - Introduction



Policy objectives:

- Contribute to setting up a European Research Area,
- Promote R&D activities in the areas of interest to other EU Policies
- Support the competitiveness of the EU Industry

Horizon 2020 is the financial instrument implementing the Innovation Union, a Europe 2020 flagship initiative aimed at taking great ideas from the lab to the market

- EUR 80 billion over 7 years (2014-2020)



European Agenda on Security

"Research and innovation is essential if the EU is to keep up-to-date with evolving security needs. Research can identify new security threats and their impacts on European societies. Innovative solutions will help to mitigate security risks more effectively by drawing on knowledge, research and technology. Horizon 2020 can play a central role in ensuring that the EU's research effort is well targeted, including factoring in the needs of law enforcement authorities by further involving end-users at all stages of the process, from conception to market."

Security Research - *Objectives*



Support for the EU`s internal and external security strategy

Address security gaps and prevent threats to security

Improve competitiveness of EU industries

Maintain a mission-oriented approach

Strengthen the involvement of end-users

Enhance societal dimension and coordination

Secure Societies

Objectives



1. Fight crime, illegal trafficking and terrorism, including understanding and tackling terrorist ideas and beliefs
2. Protect and improve the resilience of critical infrastructures, supply chains and transport modes
3. Strengthen security through border management
4. Improve cyber security (*DG CNECT*)
5. Increase Europe's resilience to crises and disasters
6. Ensure privacy and freedom, including in the Internet and enhancing the societal legal and ethical understanding of all areas of security, risk and management
7. Enhance standardisation and interoperability of systems, including for emergency purposes
8. Support the Union's external security policies including through conflict prevention and peace-building



The 2016-2017 Calls

Timeline for the Current WP

- *Publication on 14 October*
- *Call dates for security research :*
- *2016:*
 - **Opening: 15 Mar 2016**
 - **Deadline: 25 Aug 2016**
- *2017:*
 - **Opening: 01 Mar 2017**
 - **Deadline: 24 Aug 2017**

General Facts and figures

- A total of 30 topics with a budget of EUR 382 million (75% HOME, 25% CNECT) for 2016-17
- Main areas of activity
 - **Critical infrastructure protection**
 - **Disaster-resilience: safeguarding and securing society**
 - **Fight against crime and Terrorism**
 - **Border Security and External Security**
 - **Digital Security (CNECT)**

Central novelty

- The participation of practitioners is a mandatory criterion for nearly all topics.
- This includes:
 - **Law enforcement agencies, civil protection units, border guard authorities, forensic laboratories, firefighting units, medical emergency services; police departments; etc.**



SEC-21: Pan European Networks of practitioners and other actors in the field of security

- In general, practitioners' organisations have little means to free workforces from daily operations, and to dedicate time and resources to monitor innovation and research that could be useful to them.
- They have little opportunities to interact with academia or with industry on such issues.
- Through this topic practitioners are invited to associate in different categories of networks

Expected impacts

- *Common understanding of innovation potential, more widely accepted understanding, expression of common innovation and standardization needs among practitioners in the same discipline.*
- *More articulated and coordinated uptake of innovative solutions among practitioners from different disciplines who are often called to act together to face major crisis.*
- *More efficient use of investments made across Europe in demonstration, testing, and training facilities for first responders.*



SEC-21-GM-2016-2017

For part a): Practitioner participation from at least 8 Member States or Associated Countries is mandatory.

- Each proposal must include a plan, and a budget amounting at least 25% of the total cost of the action, to interact with industry, academia, and other providers of innovative solutions with a view to assessing the feasibility of their findings;
- Each consortium must commit to produce, every 6 or fewer months, a report about their findings in the 3 lines of actions (see in “Scope”);
- Each proposal must include a work-package to disseminate their findings, including an annual workshop;
- In 2017, only the disciplines not covered in 2016 will remain eligible. The list of disciplines excluded from the 2017 Call will be provided to applicants.

For part b): Practitioner participation from at least 2 Member States or Associated Countries from outside the region is mandatory.

- Each proposal must include a plan, and a budget amounting at least 25% of the total cost of the action, to interact with industry, academia, and other providers of innovative solutions with a view to assessing the feasibility of their findings;
- Each consortium must commit to produce, every 6 or fewer months, a report about their findings in the 3 lines of actions (see in “Scope”);
- Each proposal must include a work-package to disseminate their findings, including an annual workshop;
- In 2017, only the geographical areas not covered in 2016 will remain eligible. The list of regions excluded from the 2017 Call will be provided to applicants.

For part c): Practitioner participation from at least 8 Member States or Associated Countries is mandatory.

- Each consortium must commit to produce, every 6 or fewer months, a report about their findings in the 3 lines of actions (see in “Scope”);
- Each proposal must include a work-package to disseminate their findings, including an annual workshop;
- Only one such network may be supported over the 2016-2017 period.

For part d): proposals may only include NCPs from EU Member States, Associated Countries and Third Countries that have been officially appointed by relevant national authorities. The consortium should have a good representation of experienced and less experienced NCPs from at least 8 Member States or Associated Countries

- EU Member States or Associated Countries choosing not to participate as a member of the consortium should be identified, and the reason for their absence must explained in the proposal;
- No more than one such network may be supported, in 2017.

SEC-06-FCT-2016: Developing a comprehensive approach to violent radicalization in the EU from early understanding to improving protection

Scope:

- *Engaging the whole of society and requiring a holistic treatment and a multidisciplinary approach*
- *Building on national and EU projects and involving the RAN*

Expected impact:

- *set of policy-recommendations and tools for policy-makers & LEAs to timely prevent and detect radicalisation*
 - ✓ *policy comparative analysis*
 - ✓ *description of competencies and skills of practitioners*
 - ✓ *information exchange among different involved actors*
 - ✓ *field validation*

Type of action: *Research and Innovation action (max €3M)*



Specific Objectives of the *cPPP*

Gather industrial and public resources to deliver innovation against a jointly-agreed strategic research and innovation roadmap.

Maximize available funds through better coordination with MS.

Focus on a few technical priorities defined jointly with industry.

Seek synergies to develop common, sector-neutral technological building blocks with maximum replication potential

Obtain economies of scale through engagement with users/demand side industries and bringing together a critical mass of innovation capacities.

WP 2016-2017 (NEW): cPPP



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Horizon 2020 funds to support both the establishment and the activities/operation of the cPPP and to leverage necessary private sector investment



A contractual arrangement

between the EC and the industry partners

Legal entity representing industrial stakeholders

A proposal from the industry

(detailing added value of the setting, technical priorities, expected impact and the model of governance)

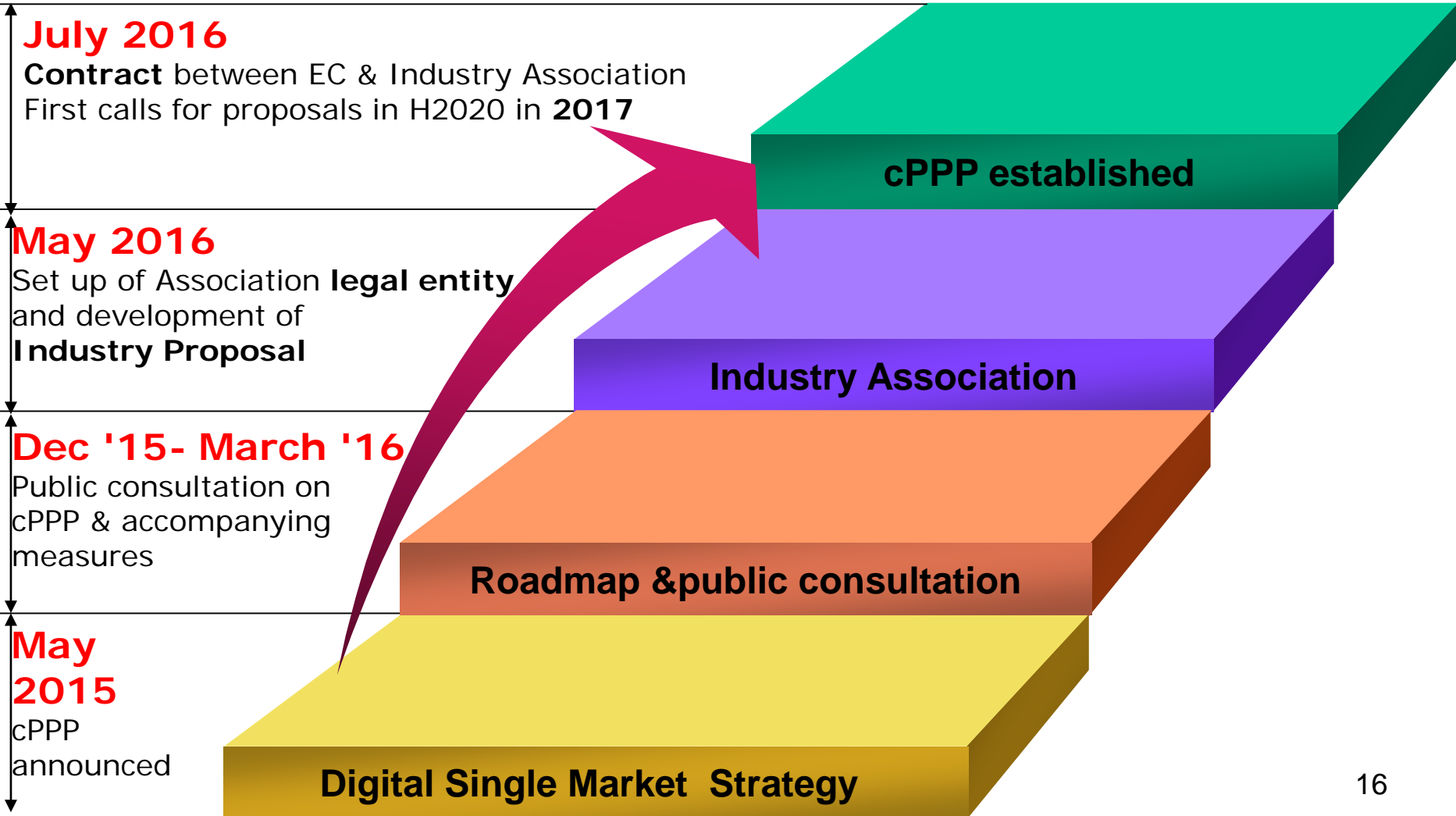
Strategic Research & Innovation Agenda

detailing R&I priorities



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Timeline



Public consultation on cPPP and accompanying measures : preliminary results – key trends

The cPPP

Support to the set-up of a cPPP on cybersecurity focused on clearly identified priorities.

Priorities

Protection of critical infrastructure (e.g. finance and banking, energy and health)

The EU Cybersecurity market

Not competitive enough in several areas, due to technological dependence on other regions. Difficulties to scale up.

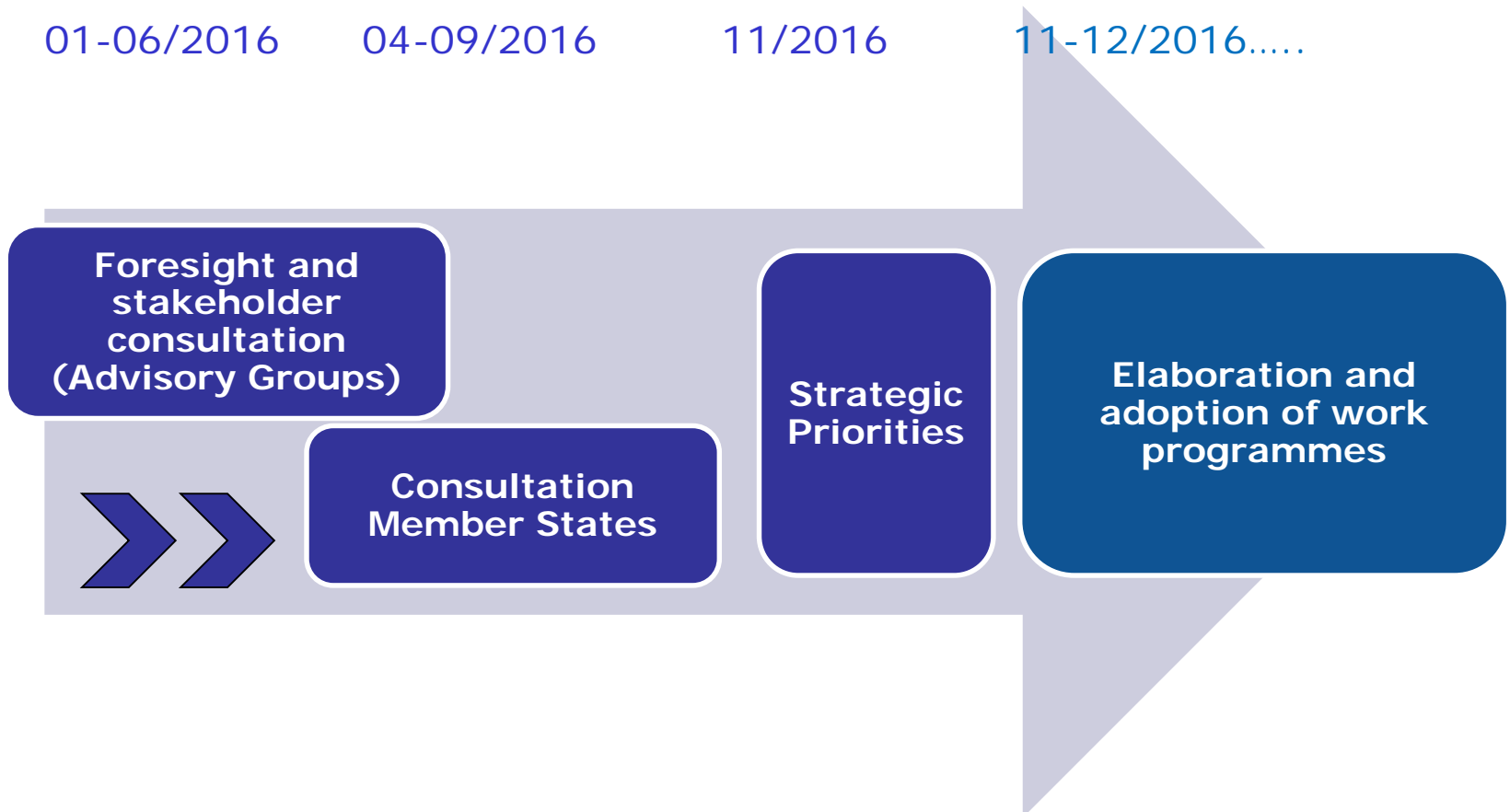
Planning Security Scrutiny Session 2016

- *17 Oct: Briefing Security Scrutiny Group in Brussels*
- *16 November: Deadline for submitting IERs*
- *30 November: Deadline for submitting CRs*
- *5-7 December: Consensus meetings in Brussels*

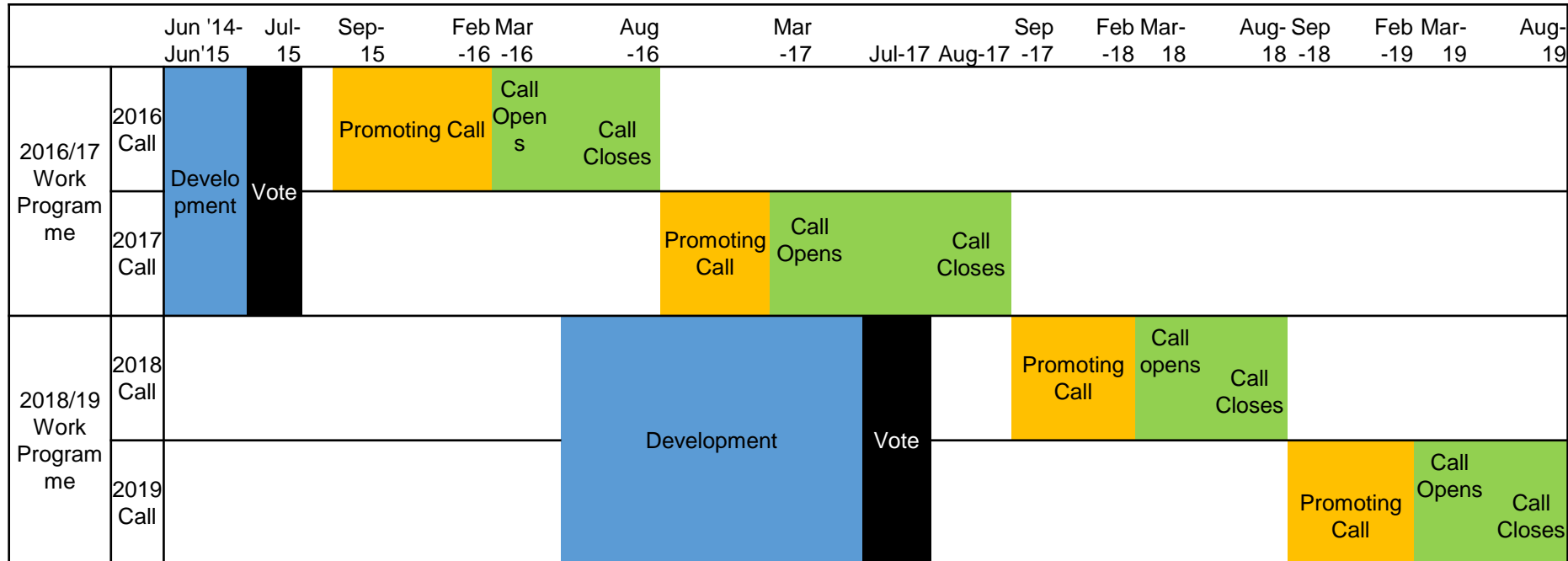
N.B. Selected proposals of the DS-01 topic (call closed in April 2016) will be scrutinised by the 2015-2016 Security Scrutiny Group in June-September

2018-20 Strategic Programming: Process & timing

- 01-06/2016 04-09/2016 11/2016 11-12/2016.....



2016/17 and 2018/19 Work Programmes Timelines





Thank you for your attention !

More information:

http://ec.europa.eu/dgs/home-affairs/financing/fundings/research-for-security/index_en.htm

The Work Programme:

http://ec.europa.eu/research/participants/data/ref/h2020/wp/2016_2017/main/h2020-wp1617-security_en.pdf