



Digital Security Focus Area
&
Critical Infrastructure Protection
in
H2020 SC7 WP 2016-2017



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Call – Digital Security Focus Area 2017 Topics

- **DS-06-2017:** Cryptography;
- **DS-07-2017:** Addressing Advanced Cyber Security Threats and Threat Actors;
- **DS-08-2017:** Privacy, Data Protection, Digital Identities;

DS-07-2017: Cryptography (RIA)

- *In line with technological developments and emerging threats, the improvement of performance and efficiency of cryptographic solutions is a persistent need across ICT.*

- Nine thematic research challenges, including:
 - Ultra-lightweight
 - High speed
 - Implementation
 - Authenticated encrypted tokens

- Increase trust in ICT and online services

- Protect the European Fundamental Rights of Privacy, Data Protection

DS-07-2017: Addressing Advanced Cyber Security Threats and Threat Actors

- **Situational Awareness (RIA);**
 - Detect and quickly and effectively respond to sophisticated cyber-attacks;
 - Interdisciplinary research to counter threat actors and their methods;
 - Assess and address the impact to fundamental rights, data protection and privacy in particular;
- **Simulation Environments, Training (IA);**
 - Prepare those tasked with defending high-risk organisations;
 - Realistic environments; Tools for producing both benign and malicious system events;
 - May also address crisis management and decision making processes in relation to obligations stemming from applicable legal frameworks



DS-08-2017: Privacy, Data Protection, Digital Identities (IA)

- Privacy-enhancing Technologies (PET)
- General Data Protection Regulation in practice
- Secure digital identities
- Support for Fundamental Rights in Digital Society.
- Increased Trust and Confidence in the Digital Single Market
- Increase in the use of privacy-by-design principles in ICT systems and services

Call - DS – 2017 - Planning

Two separate opening dates - deadlines for submission

Topic(s)	DS-06-2017	DS-07-2017 DS-08-2017
Opening	08 Dec 2016	01 Mar 2017
Deadline	25 Apr 2017	24 Aug 2017

Topic	Instr.	Funding (M)
DS-06-2017	RIA	18.50
DS-07-2017	RIA	10.0
	IA	8.0
DS-08-2017	IA	17.5

Call - CIP – Topic & Planning

- CIP-01-2016-2017: Prevention, detection, response and mitigation of the **combination of physical and cyber threats** to the critical infrastructure of Europe.

Opening date - deadline for submission in 2016 and 2017

Opening	15 Mar 2016	01 Mar 2017
Deadline	25 Aug 2016	24 Aug 2017

Topic	Instr.	Funding (M)	
CIP-01-2016-2017	IA	20.0	<ul style="list-style-type: none"> ➤ At least 2 operators of the chosen type of critical infrastructure operating in 2 countries must be beneficiaries (possibly, but not necessarily: coordinator) of the grant agreement and should be directly involved in the carrying out of the tasks foreseen in the grant. ➤ The participation of industry able to provide security solutions is required.

Call – SMEInstr – Topic & Planning

- **SMEInst-13-2016-2017:** Engaging SMEs in security research and development.
- **Topic:** "[...] cover any aspect of the Specific Programme for "secure societies - protecting freedom and security of Europe and its citizens" (Horizon 2020 Framework programme and Specific programme):"
 - 7.1. *Fighting crime, illegal trafficking and terrorism, ...*
 - ...
 - **7.4. Improving cyber security**
 - 7.5. *Increasing Europe's resilience to crises and disasters*
 - **7.6. Ensuring privacy and freedom, including in the Internet, and enhancing the societal legal and ethical understanding of all areas of security, risk and management**
 - ...
- **Funding:** Approximately 21.5M in 2016 and 19M in 2017
- **Logistics** and more information on SME Instrument:
<https://ec.europa.eu/programmes/horizon2020/en/h2020-section/sme-instrument>



Questions?

HORIZON 2020

National Contact Points (NCPs)

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