



HORIZON 2020

LE PROGRAMME DE RECHERCHE ET
D'INNOVATION DE L'UNION EUROPÉENNE



GTN Horizon 2020 « Défi sécurité »
MENESR – 18/04/17





Ordre du jour

Point Europe

- Update 2017 + clarifications additionnelles sur SEC-07 et SEC-12
- WP18-19/20
- Vers le 9^{ème} PCRI

Actualité du PCN

Divers



POINT EUROPE



MINISTÈRE
DE L'ENSEIGNEMENT SUPÉRIEUR
ET DE LA RECHERCHE





APPELS 2017



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General information

- *The WP 2016-2017 indicates several times that the 2017 call will be amended early in 2017.*

- *A webpage will be uploaded on the participant portal, the results of the evaluation of the 2016 calls which constrain the 2017 calls:*

https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/call_updates.html





Meaning of practitioners

A practitioner is someone who is qualified or registered to practice a particular occupation, profession in the field of security or civil protection. *Applicants are invited to identify clearly which members of the consortium they consider "practitioners" in the specific context of their proposal, and to include a clear description of their respective role and added-value as practitioners.*





Topic CIP1: Prevention, detection, response and mitigation of the combination of physical and cyber threats to the critical infrastructure of Europe

On the Scope section:

The list of critical infrastructures remaining for the 2017 call for proposals are: Communication infrastructure, Health services, Financial services. The other 3: Water, Energy, and Transport have been covered further to the 2016 call for proposals.





Topic SEC4: Broadband communication systems

The [core set of technical specifications and tender documents] [legal setting of alternate organisation solutions] stemming from the BROADMAP relevant for SEC4 will be uploaded here.





Topic SEC5: Chemical, biological, radiological and nuclear (CBRN) cluster

The catalogue (list of needed technologies) will be uploaded here.





Topic SEC 7: Human Factor for the Prevention, Investigation, and Mitigation of criminal and terrorist acts

- The following sub-topics have been covered in the 2016 calls and are no longer open:
 - **Sub-topic 1. New methods for the protection of crowds during mass gatherings**

The following Sub- topics remain open: Sub-topic 2.; Sub-topic 3.; Sub-topic 4.; Sub-topic 5.



Topic SEC12: Technologies for prevention, investigation, and mitigation in the context of fight against crime and terrorism

The following sub-topics have been covered in the 2016 calls and are no longer open:

- *Sub-topic: 1.cyber-crime: virtual/crypto currencies des-anonymisation/tracing/impairing where they support underground markets in the darknet.*
- *Sub-topic: 2.detection and neutralization of rogue/suspicious light drone/UAV flying over restricted areas, and involving as beneficiaries, where appropriate, the operators of infrastructure*
- *Sub-topic: 3.video analysis in the context of legal investigation*
- *The Sub-topic: "others" remains open.*



Topic SEC13: Next generation of information systems to support EU external policies

The findings from the CIVILEX project relevant for SEC13 will be uploaded here.





Topic SEC21: Pan European Networks of practitioners and other actors in the field of security

A. The following disciplines have been covered in the 2016 calls and are no longer open: firefighters, police. The following remain open: intelligence bodies; border guards, coast guards, and custom authorities; explosive specialists; forensic laboratories; medical emergency teams; think-tanks on security.





Topic SEC21

B. The following geographical area has been covered in the 2016 call and is no longer open: the Danube river basin. The following remain open: the Mediterranean region (including the Black Sea), the Arctic and North Atlantic region, the Baltic region.

C. This category has been covered and is no longer open.





Update WP16-17

- ❑ Les sous-topiques SEC-07 et SEC-12 couverts lors de l'appel 2016 ne pourront pas être adressés en 2017 même s'ils répondent aux conditions d'éligibilité « Autres »

- ❑ SEC-17-BES-2017: *Architectures and organizations, big data and data analytics for customs risk management of the international goods supply chain trade movements*: budget réduit à 5 M€ et un seul projet sera financé!

- ❑ Augmentation du budget de l'appel SEC: budget prévisionnel passant de 121,75 M€ à 130,05 M€
 - + 4M€ pour SEC-07 et SEC-18 (12 M€ -> 16,5 M€)
 - +4,5 M€ pour SEC-12 (12 M€ -> 16,5 M€)
 - +2,3 M€ pour SEC-21 (14 M€ -> 16,3 M€)



WP18-20



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Calendrier

- 17/01/11: skeleton
- 17/02/17: premier draft
- 2-3/3/17: atelier CE-MS
- 24/03/17: deuxième draft
- Inputs reçus du GTN



- 24/04/17: atelier CE-MS
- 25/04/17: CP
- ISC: 23 juin
- 28/06/17: CP





En résumé

- ❑ Trois appels intégrés dans le *Focus area* « *Boosting the effectiveness of the Security Union* »
 - CIP
 - Security
 - Digital security
 - Des sujets en provenance des autres programmes (LEIT/ICT, SC1, SC6, Espace (SST et EGNSS))
- ❑ Un nombre limité de sujets: 23 (en fait: 49 avec les *sub-topics*)
- ❑ Appels PME intégrés à l'EIC
- ❑ Année 2020 sera renégociée



Appel CIP (*H2020-SU-INFRA-2018-2019-2020*)

- ❑ *SU-INFRA01-2018-2019-2020: Prevention, detection, response and mitigation of combined physical and cyber threats to critical infrastructure in Europe*
- ❑ *SU-INFRA02-2019: Security for Smart Cities and "soft" targets in Smart Cities*



Appel Security (H2020-SU-SEC-2018-2019-2020) Disaster-Resilient Societies

- ❑ SU-DRS01-2018-2019-2020: Human factors, and social, societal, and organisational aspects for disaster-resilient societies
- ❑ SU-DRS02-2018-2019-2020: Technologies for first responders
 - Sub-topic 1: [2018] Victim-detection technologies
 - Sub-topic 2: [2019] Innovation for rapid and accurate pathogens detection
 - Sub-topic 3: [2020] Methods and guidelines for pre-hospital life support
 - Sub-topic: [2018-2019-2020] Open
- ❑ SU-DRS03-2018-2019-2020: Pre-normative research and demonstration for disaster-resilient societies
 - Sub-topic 1: Pre-standardisation for the security of water supply
 - Sub-topic 2: Methodical demonstration of novel concepts for the management of pandemic crises
 - Sub-topic 3: Pre-standardisation in CBRN-E crisis management
 - Sub-topic 4: First aids vehicles deployment, training, maintenance, logistic and remote centralized coordination means
- ❑ SU-DRS04-2019-2020: Chemical, biological, radiological and nuclear (CBRN) cluster



Appel Security (H2020-SU-SEC-2018-2019-2020) Fight Against Crime and Terrorism

- ❑ SU-FCT01-2018-2019-2020: Human factors, and social, societal, and organisational aspects to solve issues in fighting against crime and terrorism
 - Sub-topic 1: [2018] New methods to prevent, investigate and mitigate trafficking of human beings
 - Sub-topic 2: [2018] New methods to prevent, investigate and mitigate child sexual exploitation
 - Sub-topic 3: [2019] Understanding the drivers of cybercriminality, and new methods to prevent, investigate and mitigate cybercriminal behaviour
 - Sub-topic 4: [2020] Developing comprehensive multi-disciplinary and multi-agency approaches to prevent and counter violent radicalisation in the EU
 - Sub-topic: [2018-2019-2020] Open
- ❑ SU-FCT02-2018-2019-2020: Technologies to enhance the fight against crime and terrorism
 - Sub-topic 1: [2019] Trace qualification
 - Sub-topic 2: [2018] Digital forensics in the context of criminal investigations
 - Sub-topic 3: [2020] Money flows tracking
 - Sub-topic: [2018-2019-2020] Open
- ❑ SU-FCT03-2018-2019-2020: Information and data stream management to fight against (cyber)crime and terrorism
- ❑ SU-FCT04-2020: Explosives: detection, intelligence, forensics



Appel Security (H2020-SU-SEC-2018-2019-2020)

Border and External Security

- ❑ SU-BES01-2018-2019-2020: Human factors, and social, societal, and organisational aspects of border and external security
 - Sub-topic 1: [2018] Detecting security threats resulting from misperceptions about the EU
 - Sub-topic 2: [2019] Modelling, predicting, and dealing with migration flows to avoid tensions and violence
 - Sub-topic 3: [2020] Developing indicators of threats at the EU external borders on the basis of sound risk assessment methodologies
 - Sub-topic: [2018-2019-2020] Open
- ❑ SU-BES02-2018-2019-2020: Technologies to enhance border and external security
 - Sub-topic 1: [2018] Providing situational awareness and applying augmented reality to border security
 - Sub-topic 2: [2018] Detecting fraud, verifying document validity, and alternative technologies to identifying people
 - Sub-topic 3: [2019] Security on-board passenger ships
 - Sub-topic 4: [2020] Disruptive sensor technologies for border surveillance
 - Sub-topic 5: [2019] Detecting threats in the stream of commerce without disrupting business
 - Sub-topic: [2018-2019-2020] Open
- ❑ SU-BES03-2018-2019-2020: Demonstration of applied solutions to enhance border and external security
 - Sub-topic 1: [2019] New concepts for decision support and information systems
 - Sub-topic 2: [2020] Improved systems for the detection, identification and tracking of small boats
 - Sub-topic 3: [2018] Remotely piloted aircrafts and underwater autonomous platforms to be used from on-board offshore patrol vessels
 - Sub-topic: [2018-2019-2020] Open



Appel Security (H2020-SU-SEC-2018-2019-2020) General Matters

- ❑ SU-GM01-2018-2019-2020: Pan-European networks of practitioners and other actors in the field of security
 - [2019-2020] Practitioners (end-users) in the same discipline and from across Europe
 - [2018] Innovation clusters from around Europe
 - [2018] Procurement agencies
 - [2018] Border and coast guard organisations
- ❑ SU-GM02-2018: Common requirements specifications for innovative, advanced systems to support security
- ❑ SU-GM03-2020: Pre-commercial procurements of innovative, advanced systems to support security
- ❑ SU-GM04-2018-2019-2020: Pre-commercial procurements of innovative solutions to enhance security



Appel Digital security (H2020-SU-DS-2018-2019-2020)

- ❑ SU-DS01-2018-2019: Cybersecurity preparedness - cyber range and economics
 - *Sub-topic 1 [2018]: Cyber range and simulation*
 - *Sub-topic 2 [2019]: Economics in cybersecurity and in data privacy*
- ❑ SU-DS02-2020: Management of cyber-attacks and other risks
 - *Sub-topic 1: Dynamic Governance, Risk and Compliance (GRC) promoting accountability and auditability.*
 - *Sub-topic 2: Information sharing, security/privacy analytics and cyber-threat detection*
 - *Sub-topic 3: Advanced security solutions and services*
- ❑ SU-DS03-2019: Digital Security and privacy for citizens and Small and Medium Enterprises and Micro Enterprises
 - *Sub-topic 1: Protecting citizens' security and privacy*
 - *Sub-topic 2: Small and Medium-sized Enterprises and Micro Enterprises (SMEs&MEs): defenders of security and privacy*
- ❑ SU-DS04-2018-2020: Cybersecurity in the Electrical Power and Energy System (EPES): an armour against cyber and privacy attacks
- ❑ SU-DS05-2018-2019-2020: Digital security, privacy and accountability in critical domains/sectors
 - *Sub-topic 1 (2018): Digital security and privacy in multimodal transport*
 - *Sub-topic 2 (2019): Digital security and privacy in healthcare ecosystem*
 - *Sub-topic 3 (2019): Digital security and privacy in finance*
- ❑ SU-DS06-2019-2020: EU Cooperation and International Dialogues in Cybersecurity and Privacy Research and Innovation



VERS LE 9^{ÈME} PCRI





Vers le 9^{ème} PCRI (1/2)

Au niveau européen

- Rapport mi-parcours du PE (draft disponible en ligne)
- Rapport Groupe Lamy sur mi-parcours fin juin (conférence le 3/7/17)
- Consultation publique sur FP9 lancée en juillet
- Proposition MFF 21-27 attendue pour le 1^{er} semestre 2018
- Proposition FP9 attendue pour début 2nd semestre 2018

Au niveau France

- Rapport Groupe consultatif MENESR pour mi-avril
- Consultation des acteurs (GCTE début mai et web)
- Proposition MENESR pour mai 2017
- Position FR pour fin juin 2017



ACTUALITÉ PCN





DIVERS



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