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WEBINAR
HORIZON 2020 SECURE SOCIETIES
AUSSCHREIBUNG SECURITY

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HORIZON 2020 – SECURE SOCIETIES



European Agenda on Security:

https://ec.europa.eu/home-affairs/what-we-do/policies/european-agenda-security_en

VERPFLICHTENDE EINBINDUNG VON PRACTITIONERN

Bedeutung der „Practitioner“:

- "A practitioner is someone who is qualified or registered to practice a particular occupation, profession in the field of security or civil protection."
- Die Antragsteller müssen spezifizieren welche Organisation im Konsortium als „Practitioner“ fungiert.
- Die Einbindung der Practitioner ist im Projektantrag zu dokumentieren: Section 4, Table 4.3 „declaration of practitioners“ (SEC und INFRA Call)

Die Einbindung der „Practitioner“ soll folgendes leisten:

- Berücksichtigung von spezifischen Anforderungen im Bereich der öffentlichen Sicherheit
- Entwicklung von marktfähigen und gesellschaftlich akzeptierten Lösungen
- Unterstützung der Politikentwicklung
- Bessere und gezieltere Kommunikation der Forschungsergebnisse

Informationen zur Einbindung der Practitioner finden Sie unter „Topic conditions and documents“!

- **Social Sciences and Humanities (SSH)** Aspekte sollten in allen F&E Vorhaben in Horizon 2020 berücksichtigt werden.
- Die **Gender Dimension** in Bezug auf das F&E Vorhaben sollte im Antrag genauer reflektiert werden.
- Alle Themen sind offen für **internationale Kooperationen** aber internationale Partnerorganisationen können nur gefördert werden, wenn bestimmte Voraussetzungen erfüllt werden.
- Das Einbinden der **Zivilgesellschaft** als wichtige Zielgruppe ist explizit erwünscht.

Call SECURITY

Sub-Calls:

- Disaster-Resilient Societies (DRS)
- Fight against Crime and Terrorism (FCT)
- Border and External Security (BES)
- General Matters (GM)

💰 161,2 Mio €

👁️ H2020-SU-SEC-2018-2019-2020

📅 27. August 2020



DISASTER-RESILIENT SOCIETIES

SU-DRS01-2020: Human factors, and social, societal, and organisational aspects for disaster-resilient societies

- Research and innovation in support of improved preparedness and **risk awareness** related to natural or man-made disasters from a societal viewpoint in view of creating a **resilient society** in Europe
- Research to assess **social media** and other crowd-sources data in emergency situations for different disaster scenarios (positive and negative impacts)
- Research encompassing the **whole risk management cycle** (from prevention and preparedness, communication, to response and recovery) with focus on risk awareness and response

Policies:

COM(2009) 273 final CBRN Action Plan

COM(2014)247 final CBRN-E risks

Decision 1313/2013 EU Civil Protection mechanism

Decision 1082/2013 Serious cross-border threats to health

RESILOC

<https://cordis.europa.eu/project/id/833671>

BuildERS

<https://cordis.europa.eu/project/id/833496>

DISASTER-RESILIENT SOCIETIES

SU-DRS02-2020: Technologies for first responders

- Sub-topic 3: [2020] Methods and guidelines for pre-hospital life support and triage
- Sub-topic: [2018-2019-2020] Open
- ✓ Innovative methodologies and European pre-hospital guidelines for first responders of medical services, fire brigades and police;
- ✓ faster evaluation and control of seriously injured casualties in disaster and emergency settings;
- ✓ appropriate digital traceability of actions and data transfer from the event to the hospital(s);
- ✓ consideration of past and ongoing projects

Policies:

COM(2009) 273 final CBRN Action Plan

COM(2014)247 final CBRN-E risks

Decision 1313/2013 EU Civil Protection mechanism

Decision 1082/2013 Serious cross-border threats to health

BOOSTER

<https://cordis.europa.eu/project/id/242361>

TOXI TRIAGE

<http://toxi-triage.eu/>

DISASTER-RESILIENT SOCIETIES

SU-DRS03-2020: Pre-normative research and demonstration for disaster-resilient societies

- Sub-topic 3: [2020] First aids vehicles deployment, training, maintenance, logistic and remote centralized coordination means
- ✓ An effective deployment of resources during the advent of a major crisis related to any kind of disaster either natural (including climate-related extremes) or man-made events, and immediately after the event, for example in case of massive evacuation of people in urban areas.
- ✓ Proposals should target in particular events where there are strong cross-sector, cross-border, cross-hierarchy coordination activities ongoing.

Policies:

COM(2009) 273 final CBRN Action Plan

COM(2014)247 final CBRN-E risks

Decision 1313/2013 EU Civil Protection mechanism

Decision 1082/2013 Serious cross-border threats to health

ResiSTAND recommendations:

<http://www.resistand.eu/>

M/487 priorities:

ftp://ftp.cencenelec.eu/EN/EuropeanStandardization/Fields/Defence/Security/M487_FinalReport.pdf

SU-DRS04-2020: Chemical, biological, radiological and nuclear (CBRN) cluster

- ✓ Technologies and innovations in the field of CBRN developed by companies which often face difficulties in bringing them to markets.
- ✓ List of technologies added to ENCIRCLE platform



ENCIRCLE
European Cbrn Innovation for the market CLustEr
<http://encircle-cbrn.eu/>

Policies:

Security Industrial policy
COM(2012)417 final

Internal Security Strategy
COM(2010)673 final

COM(2009) 273 final CBRN
Action Plan

COM(2014)247 final CBRN-E risks

Decision 1313/2013 EU Civil
Protection mechanism

Flood Directive

SevesoIII Directive

FIGHT AGAINST CRIME AND TERRORISM

SU-FCT01-2020: Human factors, and social, societal, and organisational aspects to solve issues in fighting against crime and terrorism

- Sub-topic 1: [2020] New methods to prevent, investigate and mitigate trafficking of human beings and child sexual exploitation – and on the protection of victims

https://ec.europa.eu/home-affairs/what-we-do/policies/organized-crime-and-human-trafficking/child-sexual-abuse_en

https://ec.europa.eu/home-affairs/news/20191121_commission-takes-stock-fight-against-child-sexual-abuse-sexual-exploitation-children_en

- Sub-topic 3: [2020] Developing evidence-based approaches to evaluate and to further develop initiatives to prevent and counter violent radicalisation

PRACTICES

<https://cordis.europa.eu/project/id/740072>

TRIVALENT

<https://cordis.europa.eu/project/id/740934>

PERICLES

<https://cordis.europa.eu/project/id/740773>

Radicalisation Awareness Network - RAN!

https://ec.europa.eu/home-affairs/what-we-do/networks/radicalisation_awareness_network_en

FIGHT AGAINST CRIME AND TERRORISM

SU-FCT02-2020: Technologies to enhance the fight against crime and terrorism

- Sub-topic 3: [2020] Money flows tracking
 - Sub-topic 4: [2020] Development and deployment of technologies, tools and relevant infrastructure to identify speedily terrorist content online, and prevent its re-upload
 - Sub-topic: [2020] Open
-
- ✓ Identify new knowledge and targeted technologies for fighting old, new and evolving forms of criminal and terrorist behaviour supported by advanced technologies;
 - ✓ The issues of location and jurisdiction need to be addressed, taking into account highly probable cross-border nature of such crimes.

RAMSES

<https://cordis.europa.eu/project/id/787128/en>

TITANIUM

<https://cordis.europa.eu/project/id/740558/de>

TENSOR

<https://cordis.europa.eu/project/id/700024/en>

DANTE

<https://cordis.europa.eu/project/id/700367/en>

FIGHT AGAINST CRIME AND TERRORISM

SU-FCT03-2020: Information and data stream management to fight against (cyber-) crime and terrorism

- ✓ Enhance citizens' security against terrorist attacks in places considered as soft targets, including crowded areas (stations, shopping malls, entertainment venues, etc.), with a focus on private operators
- ✓ (NB: Although public authorities are primarily responsible for security, public-private cooperation is key in protecting public spaces. As an example, the first persons on the scene of a terrorist attack are often not police officers, but private security staff from local shops or transport operators. Moreover, public spaces are often owned and operated by private entities.)
- ✓ Proposals are invited from consortia involving relevant security practitioners, civil society organisations, and the appropriate balance of IT specialists, psychologists, sociologists, linguists, etc. exploiting Big Data and predictive analytics

PREVISION

<https://cordis.europa.eu/project/id/833115>

FIGHT AGAINST CRIME AND TERRORISM

SU-FCT04-2020: Chemicals: intelligence, detection, forensics

- ✓ Proposals should focus on the continuation of the work already done on some explosive precursors in previous FP7 and H2020 projects, including: tackling new precursors not yet studied.
- ✓ Proposals should tackle the chemicals and potentially their precursors in the usage other than explosives and explosive precursors covered under the first point, and propose means to decrease the vulnerability of the public to their malevolent or terrorist use, along the full timeline of a potential criminal/terrorist plot (from early intelligence to the actual attack).

PREVAIL

<https://cordis.europa.eu/project/id/241858/en>

SYSTEM

<https://cordis.europa.eu/project/id/787128/en>

EXPEDIA

<https://cordis.europa.eu/project/id/604987/en>

BORDER AND EXTERNAL SECURITY

SU-BES01-2020: Human factors, and social, societal, and organisational aspects of border and external security

- Sub-topic 3: [2020] Developing indicators of threats at the EU external borders on the basis of sound risk and vulnerability assessment methodologies
- ✓ Assess the impact of different threats and proposing a model to compare those threats, this will assist in improving the situational awareness of decision makers across the EU
- ✓ Diverse serious challenges, assessment of impacts, situational awareness capabilities.

Address FRONTEX needs:

- looking also before and after the border;
- risk analysis should result in a system approach visualization
- dynamic modelling and visual thinking

Policies:

Regulation (EU) 2019/1896
European Border and Coast
Guard (EBCG)

COM(2015) 240 final European
Agenda on Migration

Smart Borders

EUROSUR

BORDER AND EXTERNAL SECURITY

SU-BES02-2020: Technologies to enhance border and external security

- Sub-topic 5: [2020] Disruptive technologies for non-intrusive identification of hidden goods
- Sub-topic: [2018-2019-2020] Open

- ✓ Improved sensing technologies able to provide a detailed, user friendly, quick inside on contents
- ✓ System of sensors
- ✓ Relocatable, interoperable
- ✓ Target TRL 5/6

Address FRONTEX and DG TAXUD needs:

- faster screening, machine learning, automation;
- information manipulation of AI technologies, detection of such manipulation (see also topic SU-AI-02-2020)

Policies:

Regulation (EU) 2019/1896
European Border and Coast
Guard (EBCG)

Smart Borders

EU Customs Strategy

Union Customs Code

Interoperability of EU
information systems

BORDER AND EXTERNAL SECURITY

SU-BES03-2020: Demonstration of applied solutions to enhance border and external security

- Sub-topic 3: [2020] Improved systems for the vessel tracking, behaviour analysis and automatic anomaly detection
- Sub-topic: [2018-2019-2020] Open

Focus on three elements:

1. reporting and surveillance systems data (e.g. containing information on a vessel journey),
2. relevant information databases (containing vessels' and/or containers' historical information) and
3. real or near real time data resulting from other reporting or surveillance sources.

Address FRONTEX and DG MARE needs:

- ✓ detection of vessel when AIS is switched off and new ships without history;
- ✓ more integration of non-technical data;
- ✓ better data fusion, focusing on blind spots.

Policies:

Regulation (EU) 2019/1896
European Border and Coast
Guard (EBCG)

COM(2015) 240 final European
Agenda on Migration

Smart Borders

EUROSUR

Common Information Sharing
Environment (CISE)

EU Customs Strategy

Union Customs Code

Development of technologies, capabilities and solutions to:

- Improve EU border security:
 - Flow of people: research will support the exploitation of the potential given by the European Border Surveillance System (EUROSUR - Regulation No 1052/2013) and promote an enhanced use of new technology for border checks in relation to the SMART BORDERS legislative initiative (DG HOME)
 - Flow of goods: research will address, in the context of the EU's customs policy, supply chain security trying to strike the right balance with trade facilitation (DG TAXUD)
- Support the EU External Security Policies in civilian tasks (EEAS)
- But also understanding the phenomena with impact on border and external security. Social sciences and humanities involved.

SU-GM01-2020:

Pan-European networks of practitioners and other actors in the field of security

[2020] Practitioners (end-users) in the same discipline and from across Europe

Option 1: security and intelligence services

European technological autonomy is particularly important in the field of intelligence:

=> Intelligence and security services may have research needs that are different from law enforcement

=> tools based on cutting edge technology will be key to the performance of the services

Option 2: fighting cybercrime

Cybercrime investigations and digital forensics require specific expertise and tools

=> a dedicated network of practitioners, led by law enforcement experts, with a specific focus on cybercrime and more generally on the handling of digital evidence

=> clear added value

GENERAL MATTERS

| Acronym | Name | Project website |
|-------------|---------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|
| eNotice | European Network of CBRNE Training Centres | https://www.h2020-enotice.eu/ |
| Fire-IN | Fire and rescue Innovation Network | https://fire-in.eu/ |
| DARENET | DAnube river region Resillience Exchange network | www.darenetproject.eu/ |
| ILEANET | Innovation by Law Enforcement Agencies networking | https://www.ileanet.eu/ |
| I-LEAD | Innovation - Law Enforcement Agencies Dialogue | https://i-lead.eu/ |
| ARCSAR | Arctic and North Atlantic Security and Emergency Preparedness Network | https://arcsar.eu/ |
| EXERTER | Security of Explosives pan-European Specialists Network | www.exerter-h2020.eu |
| MEDEA | Mediterranean practitioners' network capacity building for effective response to emerging security challenges | https://www.medea-project.eu/ |
| NO-FEAR | Network Of practitioners For Emergency medicAl systems and cRitical care | http://no-fearproject.eu/ |
| PEN-CP | Pan-European Network of Customs Practitioners | https://www.pen-cp.net/ |
| INCLUDING | Innovative Cluster for Radiological and Nuclear Emergencies | - |
| iProcureNet | European Procurer Networking for security research services | https://www.iprocurenet.eu/ |

GENERAL MATTERS

SU-GM02-2020: Strategic pre-commercial procurements of innovative, advanced systems to support security – PCP, 24 Mio €

- **Sub-topic 2: [2020]** Procurement of prototype systems among those specified as a result of Sub-topic 1
The Commission invites practitioners involved in projects funded under Sub topic 1 to submit proposals for this PCP stage based on requirements resulting from those projects.

geförderte Projekte unter Sub-Topic 1:

Procurement of Innovative, Advanced Systems to support Security in Public Transport

<https://prevent.eng.it>



Strategic Partnership of Emergency Medical Service Practitioners for Coordination of Innovation Procurement

<https://project.iprocuresecurity.eu/>



TAKE HOME MESSAGES

Rechtzeitig anfangen!

Möglichst früh passende Kooperationspartner (Practitioner, SSH Researcher, CSOs) suchen!

Projektantrag muss verständlich sein, Projektergebnisse & Nutzen dargestellt!

Zusammenhang zwischen Zielen, Impact und Outcomes!

Berücksichtigen Sie laufende Projekte und nutzen Sie Synergien!

Berücksichtigen Sie wichtige politische Entwicklungen und Ziele!

Trainings, Beratung und Proposal Check Service der FFG nutzen!

DI Jeannette Klöckl
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