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MINISTERIO DE CIENCIA E INNOVACIÓN

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Oportunidades en la call-2021
Clúster 3 - "Seguridad Civil para la Sociedad"

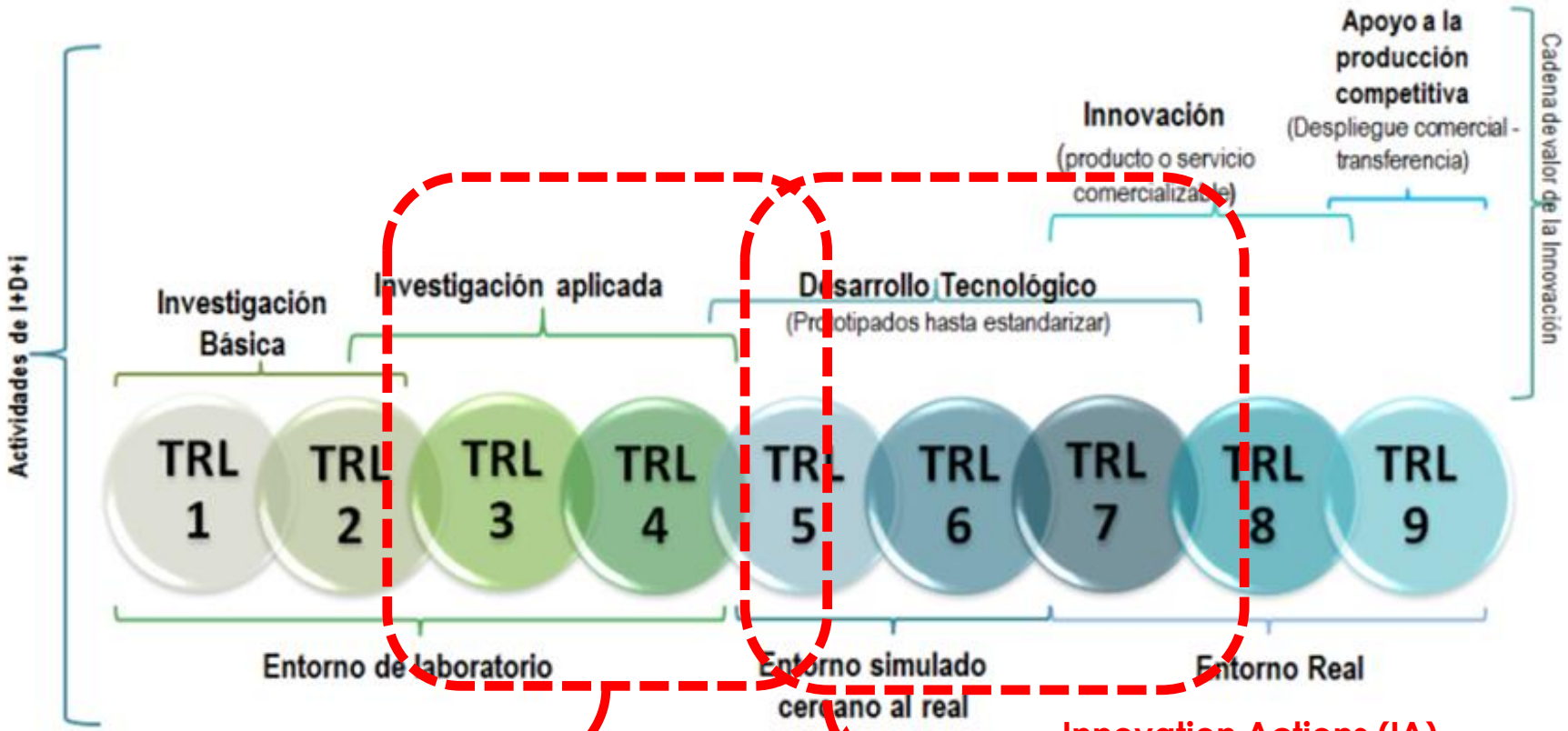
HORIZONTE EUROPA

@HorizonteEuropa

Marina Martínez García

NCP Clúster 3 Horizonte Europa

4 de junio de 2021



Resarch & Innovation actions (RIA)
Upto 100% funding rate for all

Innovation Actions (IA)
Upto 100% for Non-Profit & upto 70% for profit

ATENCIÓN: En todos estos esquemas y para todos los participantes del consorcio, **25% adicional de COSTES INDIRECTOS**

ANY organisation (PUBLIC or PRIVATE) can participate as a partner or coordinator → **Minimum conditions** for **RIAs & IAs**, MINIMUM in the CONSORTIUM are 3 partners from 3 MMSS or Associated Countries (**out of them, AT LEAST 1 comes from a MMSS**)

EU Member States (27)

Associated Countries (16+1)

Albania
Armenia
Bosnia & Herzegovina
Faroe Islands
Georgia
Iceland
Israel
The former Yugoslav Republic of Macedonia*
Republic of Moldova
Montenegro
Norway
Serbia
Tunisia
Turkey
Ukraine
Switzerland????.... And UK

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Vamos con los topics de la call-2021

- **Destination 1** – Better protect the EU and its citizens against Crime and Terrorism (FCT)
- **Destination 2** – Effective Management of EU external Borders (BM)
- **Destination 3** – Resilient INFRAstructure (INFRA)
- **Destination 4** – Increased CYBersecurity (CS)
- **Destination 5** – A Disaster-Resilitent Society for Europe (DRS)
- **Destination 6** – Strengthened security research and innovation (SSRI)

ATENCIÓN:

✓ Todos los topics son **1-stage**

✓ Open by **30-Jun-2021 → Deadline by 21-Oct-2021 (CS) & 23-Nov-2021(FCT-BM-INFRA-DRS-SSRI)**

✓ EU Infoday call-2021 **30-Jun-2021** & EU brokerage call-2021 **01-Jul-2021**

Save the dates: Horizon Europe info-days take place between 28 June and 9 July 2021

The European Commission announces today the first edition of the Horizon Europe info-days, to take place online from 28 June to 9 July 2021.
The 10-day event will give the opportunity to prospective applicants, and other stakeholders of EU research and innovation, to receive information and ask questions about the novelties, main funding instruments and processes of Horizon Europe.
The Horizon Europe info-days will address 9 themes, each featuring a programme of exclusive discussions and hands-on sessions, dedicated to a different cluster or part of the new programme.

The 9 themes will take place following the Horizon Europe info-days calendar:

- 28 Jun - **Infrastructures**
- 20 & 30 Jun - **Digital, industry & space (cluster 4)**
- 30 June - **Civil security for society (cluster 3)**
- 1 July - **Culture, creativity & inclusive society (cluster 2)**
- 1 July - **The Marie Skłodowska-Curie Actions: what is new under Horizon Europe**
- 2 July - **Health (cluster 1)**
- 5 & 6 July - **Climate, energy & mobility (cluster 5)**
- 7 & 8 July - **Food, bioeconomy, natural resources, agriculture & environment (cluster 6)**
- 9 July - **European Research Area (ERA) & Widening**

The Horizon Europe info-days will be open for participation without prior registration.
For more information and practical details, visit the event website.

Let's shape the future together

European Research and Innovation Days is the European Commission's annual flagship Research and Innovation event, bringing together policymakers, researchers, entrepreneurs and the public to debate and shape the future of research and innovation in Europe and beyond.

The event will take place online on 23 and 24 June 2021, allowing everyone to get involved from anywhere.

Stay updated

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ATENCIÓN Registro → https://www.research-innovation-days.eu/register

Destination FCT: Better protect the EU and its citizens against Crime and Terrorism

<u>Destination FCT:</u> Better protect the EU and its citizens against Crime and Terrorism

- **<u>Expected Impact</u>:** "***Crime and terrorism*** *are more effectively tackled, while respecting fundamental rights, […] thanks to more* ***powerful prevention, preparedness and response****, a better understanding of related human, societal and technological aspects, and the development of cutting-edge capabilities for police authorities […] including measures against cybercrime.*"

	Action Type	Funding/Project (M€)	TRL	Eligibility conditions
FCT01 - Modern information analysis for fighting crime and terrorism				
HORIZON-CL3-2021-FCT-01-01: Terrorism and other forms of serious crime countered using travel intelligence	IA	5	6-7	3 Police
HORIZON-CL3-2021-FCT-01-03: Disinformation and fake news are combated and trust in the digital world is raised	IA	4	6-7	3 Police
HORIZON-CL3-2021-FCT-01-04: Improved access to fighting crime and terrorism research data	IA	7	7-8	3 Police
HORIZON-CL3-2021-FCT-01-02: Lawful interception using new and emerging technologies (5G & beyond, quantum computing and encryption)	RIA	5	5-6	3 Police
FCT02 - Improved forensics and lawful evidence collection				
HORIZON-CL3-2021-FCT-01-05: Modern biometrics used in forensic science and by police	IA	5	6-7	2 Police + 2 Forensic
FCT03 - Enhanced prevention, detection and deterrence of societal issues related to various forms of crime				
HORIZON-CL3-2021-FCT-01-06: Domestic and sexual violence are prevented and combated	IA	6	6-7	2 Police + 2 CSOs

	Action Type	Funding/Project (M€)	TRL	Eligibility conditions
FCT04 - Increased security of citizens against terrorism, including in public spaces				
HORIZON-CL3-2021-FCT-01-07: Improved preparedness on attacks to public spaces	IA	3	6-7	2 Police + 2 First Responder
FCT05 - Organised crime prevented and combated				
HORIZON-CL3-2021-FCT-01-08: Fight against trafficking in cultural goods	RIA	5	5-6	2 Police + 2 Border
HORIZON-CL3-2021-FCT-01-09: Fight against organised environmental crime	IA	5	6-7	2 Police + 2 Border
HORIZON-CL3-2021-FCT-01-10: Fight against firearms trafficking	IA	5	6-7	2 Police + 2 Border
FCT06 – Citizens are protected against cybercrime				
HORIZON-CL3-2021-FCT-01-11: Prevention of child sexual exploitation	RIA	3	---	2 Police + 2 CSOs
HORIZON-CL3-2021-FCT-01-12: Online identity theft is countered	RIA	3	5-6	3 Police

HORIZON-CL3-2021-FCT-01-01: Terrorism and other forms of serious crime countered using travel intelligence

DRAFT

Specific conditions	
EU contrib. /project	The EU estimates that an EU contribution of around **EUR 5.00 million**…
Indicative budget	EUR **≈5.00 million** (budget of **16 M€ shared among HORIZON_CL3_2021-FCT-01-03 & 04**).
Type of Action	**Innovation Actions**
Eligibility conditions	[…] This topic requires the **active involvement of at least 3 Police Authorities from at least 3 different EU Member States or Associated countries**. For these participants, applicants must fill in the table "Eligibility information about practitioners" in the application form with all the requested information, following the template provided in the submission IT tool. **Some activities, resulting from this topic, may involve using classified background and/or producing of security sensitive results (EUCI and SEN).** Please refer to the related provisions in section B Security — EU classified and sensitive information of the General Annexes.
Procedure	[…] grants will be awarded to applications not only in order of ranking but at least also to those that are the highest ranked within set topics, provided that the applications attain all thresholds.
TRL	Activities are expected to achieve **TRL 6-7** by the end of the project (General Annex B).

HORIZON-CL3-2021-FCT-01-01: Terrorism and other forms of serious crime countered using travel intelligence

DRAFT

Expected Outcome: Projects' results are expected to **contribute to some or all** of the following outcomes:

1. European security practitioners benefit from better, modern and validated tools and training curricula
2. European common approaches are made available to policy-makers and security
3. Improved support in shaping and tuning of regulation on travel intelligence by security policy-makers;
4. Improved understanding of the capacity and usefulness of travel intelligence in tackling terrorism and other forms of serious crime

Scope:

- Research should **focus on Passenger Name Record (PNR) and Advance Passenger Information (API)** data, but the use of other data available → Also use of Artificial Intelligence, neural networks, Big Data analysis, blockchain technology, etc.
- Innovative methods to facilitate **the data collection and their quality check** as well as to combine different data sets → data protection and fundamental rights.
- Coordination with successful proposals from topic HORIZON-CL3-2021-FCT-01-04 (on training and testing data issue as well as on pseudonymisation techniques)
- Projects should plan the **uptake and replication across** setting and up-scaling of the capabilities - i.e. solutions, tools, processes et al.

HORIZON-CL3-2021-FCT-01-02: Lawful interception using new and emerging technologies (5G & beyond, quantum computing and encryption)

DRAFT

Specific conditions	
EU contrib./ project	The EU estimates that an EU contribution of around **EUR 5.00 million**…
Indicative budget	The total indicative budget for the topic is EUR **5.00 million**
Type of Action	**Research & Innovation Actions**
Eligibility conditions	[…] This topic requires the **active involvement of at least 3 Police Authorities from at least 3 different EU Member States or Associated countries**. For these participants, applicants must fill in the table "Eligibility information about practitioners" in the application form with all the requested information, following the template provided in the submission IT tool. **Some activities, resulting from this topic, may involve using classified background and/or producing of security sensitive results (EUCI and SEN).** Please refer to the related provisions in section B Security — EU classified and sensitive information of the General Annexes.
Procedure	[…] grants will be awarded to applications not only in order of ranking but at least also to those that are the highest ranked within set topics, provided that the applications attain all thresholds.
TRL	Activities are expected to achieve **TRL 5-6** by the end of the project (General Annex B).

HORIZON-CL3-2021-FCT-01-02: Lawful interception using new and emerging technologies (5G & beyond, quantum computing and encryption)

DRAFT

Expected Outcome: Projects' results are expected to **contribute to some or all** of the following outcomes:

1. EU Police Authorities benefit from **better, modern and validated tools and training curricula** to anticipate and cope with new and emerging technologies
2. EU **common approaches to policy-makers and security practitioners** for analysing risks/threats, and identifying and deploying relevant security measures
3. Improved support in shaping and tuning of **regulation by security policy-makers**
4. Increased contribution of Police Authorities to **standardisation** activity in relation with lawful interception and access to digital evidences,
5. Improved understanding of the capacity and usefulness of lawful interception in tackling terrorism and other forms of crime,

Scope:

- **Developing and testing software-based communication technologies such as 5G** and beyond, as well **quantum computers, for police and judiciary b**odies that address their challenges in lawful interceptions coping with large amount of data and to access to digital evidences.
- taking into account the **court-proof nature of the evidence**;
- **legal and ethical rules of operation**, cost-benefit considerations, as well as fundamental rights such as privacy, protection of personal data and free movement of persons;

HORIZON-CL3-2021-FCT-01-03: Disinformation and fake news are combated and trust in the digital world is raised

DRAFT

Specific conditions	
EU contrib./ project	The EU estimates that an EU contribution of around **EUR 4.00 million**…
Indicative budget	EUR **≈4.00 million** (budget of **16 M€ shared among HORIZON_CL3_2021-FCT-01-01 & 04**).
Type of Action	**Innovation Actions**
Eligibility conditions	[…] This topic requires the **active involvement of at least 3 Police Authorities from at least 3 different EU Member States or Associated countries**. For these participants, applicants must fill in the table "Eligibility information about practitioners" in the application form with all the requested information, following the template provided in the submission IT tool. **Some activities, resulting from this topic, may involve using classified background and/or producing of security sensitive results (EUCI and SEN).** Please refer to the related provisions in section B Security — EU classified and sensitive information of the General Annexes.
Procedure	[…] grants will be awarded to applications not only in order of ranking but at least also to those that are the highest ranked within set topics, provided that the applications attain all thresholds.
TRL	Activities are expected to achieve **TRL 6-7** by the end of the project (General Annex B).

HORIZON-CL3-2021-FCT-01-03: Disinformation and fake news are combated and trust in the digital world is raised

DRAFT

Expected Outcome: Projects' results are expected to **contribute to some or all** of the following outcomes:

1. To provide EU Police Authorities, other relevant practitioners and (social) media organisations with **better, modern and validated tools and training materials**
2. EU **common approaches for policy-makers and security practitioners**

for analysing risks/threats, and identifying and deploying relevant security measures

1. Improved **understanding of the cultural/societal aspects** of disinformation & fake new
2. **Strengthened key personnel's knowledge regarding disinformation campaigns;**
3. **Enhanced perception of security thanks to an increased awareness of the citizens**

Scope:

- **Development of tools and forensics capabilities for Police Authorities and (social) media organisations** that, e.g., enable the assessment of the origin, veracity and trustworthiness of digital content by identifying altered or fake generated information. → **Involvement of SSH experts, institutions!**
- Build on results of previous projects on disinformation and fake news (call-2020 ICT-LEIT) → Coordination with HORIZON-CL2-DEMOCRACY-2021-01-08 (Politics and governance in a post-pandemic world), HORIZON-CL2-DEMOCRACY-2022-01-06 (Politics and the impact of online social networks and new media) and HORIZON-CL4-2021-HUMAN-01-27 (AI to fight disinformation).

HORIZON-CL3-2021-FCT-01-04: Improved access to fighting crime and terrorism research data

DRAFT

Specific conditions	
EU contrib./ project	The EU estimates that an EU contribution of around **EUR 7.00 million**…
Indicative budget	EUR **≈7.00 million** (budget of **16 M€ shared among HORIZON_CL3_2021-FCT-01-01 & 03**).
Type of Action	**Innovation Actions**
Eligibility conditions	[…] This topic requires the **active involvement of at least 3 Police Authorities from at least 3 different EU Member States or Associated countries**. For these participants, applicants must fill in the table "Eligibility information about practitioners" in the application form with all the requested information, following the template provided in the submission IT tool. **Some activities, resulting from this topic, may involve using classified background and/or producing of security sensitive results (EUCI and SEN).** Please refer to the related provisions in section B Security — EU classified and sensitive information of the General Annexes.
Procedure	[…] grants will be awarded to applications not only in order of ranking but at least also to those that are the highest ranked within set topics, provided that the applications attain all thresholds.
TRL	Activities are expected to achieve **TRL 7-8** by the end of the project (General Annex B). The duration of the proposed activities should **not exceed 24 months**.

HORIZON-CL3-2021-FCT-01-04: Improved access to fighting crime and terrorism research data

DRAFT

Expected Outcome: Projects' results are expected to **contribute to some or all** of the following outcomes:

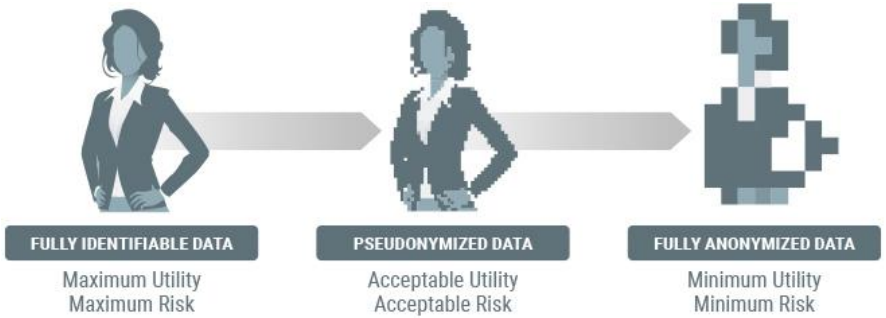
1. The relevant community (researchers, practitioners, industry, policy makers) is made aware of the legal, ethical and technical pre-requisites that a European common research training and testing data repository in the area of fighting crime and terrorism should fulfil → **Need of a common research data repository!**
2. **Technical, legal and ethical basis f**or such a training and testing fighting crime and terrorism research data repository
3. EU Security practitioners are provided with an increased interoperability and improved (cross-border) **exchange of data in harmonised formats**
4. **Improved anonymisation and pseudonymisation technologies**

Scope:

– The is to **tackle this multi-layered issue and set the basis for such a common data repository by creating a roadmap consisting of a clear set of rules, conditions and characteristics that such a repository should have**, be it the variety of the data in function of the type and of the problem at hand, legal issues, avoidance of any bias, accessibility levels related to the sensitivity of various data sets, harmonisation of data formats, solutions for annotation as well as for the aging of the data, etc.

– privacy and data protection requirements when handling data, while being able to extract information if needed.

– Coordination with topics from Security calls-2020 & CL3 call-2021, as well (potentially) with DEP and the EOSC.



HORIZON-CL3-2021-FCT-01-05: Modern biometrics used in forensic science and by police

DRAFT

Specific conditions	
EU contrib./ project	The EU estimates that an EU contribution of around **EUR 5.00 million**…
Indicative budget	EUR **5.00 million** (ONLY 1 project approved).
Type of Action	**Innovation Actions**
Eligibility conditions	[…] This topic requires the **active involvement of at least 2 Police Authorities and at least 2 forensic institutes from at least 3 different EU Member States or Associated countries**. For these participants, applicants must fill in the table "Eligibility information about practitioners" in the application form with all the requested information, following the template provided in the submission IT tool. **Some activities, resulting from this topic, may involve using classified background and/or producing of security sensitive results (EUCI and SEN).** Please refer to the related provisions in section B Security — EU classified and sensitive information of the General Annexes.
Procedure	[…] grants will be awarded to applications not only in order of ranking but at least also to those that are the highest ranked within set topics, provided that the applications attain all thresholds.
TRL	Activities are expected to achieve **TRL 6-7** by the end of the project (General Annex B).

HORIZON-CL3-2021-FCT-01-05: Modern biometrics used in forensic science and by police

DRAFT

Expected Outcome: Projects' results are expected to **contribute to some or all** of the following outcomes:

1. Use of modern, robust, validated, easy-to-use and reliable biometric technologies by forensic institutes and security practitioners, notably Police Authorities, improving European investigation capabilities to fight terrorism and other forms of serious and organised crime;
2. Shorter court cases due to the availability of more solid (cross-border) forensic evidence that is acceptable in court;

[…]

7. Providing forensic practitioners active in biometrics with modern training curricula.

Scope:

- Key priority: **Development of forensic tools to combat organised crime and smuggling**, with the aim of increasing crime investigation through more efficient detection, as well as intensifying prosecutions and convictions. → **Testing and/or piloting of the tools and solutions** developed in a real setting with one or more **Police Authorities and other relevant authorities (i.e., judiciary system).**
- Special attention to **biometrics by including SOME of the following**: 1) automation and scalability of the identification, 2) robustness and validation of biometrics in forensic conditions; 3) biometric data protection and privacy; 4) harmonisation/standardisation of data and processes; 5) usage of biometrics in smartphones and other devices; 6) exchange of biometric data and interoperability of the systems.
- **Cooperation with the European Network of Forensic Science Institutes (ENFSI)** and with project from HORIZON-CL3-FCT-2021-01-04 is welcome.

HORIZON-CL3-2021-FCT-01-06: Domestic and sexual violence are prevented and combated

DRAFT

Specific conditions	
EU contrib./ project	The EU estimates that an EU contribution of around **EUR 3.00 million**…
Indicative budget	EUR **6.00 million** (2 projects approved).
Type of Action	**Innovation Actions**
Eligibility conditions	[…] This topic requires the **active involvement of at least 2 Police Authorities and at least 2 Civil Society Organisations (CSOs) from at least 3 different EU Member States or Associated countries**. For these participants, applicants must fill in the table "Eligibility information about practitioners" in the application form with all the requested information, following the template provided in the submission IT tool. **Some activities, resulting from this topic, may involve using classified background and/or producing of security sensitive results (EUCI and SEN).** Please refer to the related provisions in section B Security — EU classified and sensitive information of the General Annexes.
Procedure	[…] the **highest ranked within each of the two options (Option A: Domestic Violence and Option B: Sexual Violence)**, provided that the applications attain all thresholds.
TRL	Activities are expected to achieve **TRL 6-7** by the end of the project (General Annex B).

HORIZON-CL3-2021-FCT-01-06: Domestic and sexual violence are prevented and combated

DRAFT

Scope:

- **Testing and/or piloting of the tools and solutions developed in a real setting with one or more Police Authorities and other relevant authorities is** an asset; regardless, applicants should plan to facilitate the uptake, replication across setting and up-scaling of the capabilities - i.e. solutions, tools, processes et al. – to be developed by the project.
- […] **modern and novel approaches are needed to support victim assistance services** of Police Authorities and relevant Civil Society Organisations in providing efficient protection and help to victims. → I,e., automated interactive tools (e.g., chatbots) to report cases of domestic abuse and/or sexual violence to the police;
- […] **Evolutions in domestic and sexual violence, such as their increase during any type of emergency, e.g., epidemics,** […] and methods for evaluating those solutions.
- All developed solutions should be accompanied by corresponding **training curricula for Police Authorities and relevant Civil Society Organisations.**
- Proposals are expected **to address ONE** of the following:
  - ✓ **Option A: Domestic violence**
  - ✓ **Option B: Sexual violence**
- Build on previous works, i.e., H2020 project IMPRODOVA or projects funded under the Rights, Equality and Citizenship Programme.

HORIZON-CL3-2021-FCT-01-06: Domestic and sexual violence are prevented and combated

DRAFT

European Commission

English

Home > Policies > Justice and fundamental rights > Gender equality > Gender-based violence > Ending gender-based violen

Ending gender-based violence

Actions combating gender-based violence, research and campaigns, statistics on gender-based violence.

PAGE CONTENTS

What is the EU doing?

Collecting reliable data on gender-based violence

Documents

Related links

What is the EU doing?

The EU protects women and children from gender-based and domestic violence thr
and practical measures.

The EU Gender Equality Strategy 2020-2025 confirms that the European Commiss
can to prevent and combat gender-based violence, support and protect victims, and
perpetrators accountable. The Gender Equality Strategy provides for an ambitious s
for ending gender-based violence.

Striving for a Union of Equality

The Gender Equality Strategy 2020-2025

March 2020
#UnionOfEquality

"Gender equality is a core principle of the European Union, but it is not yet a reality. In business, politics and society as a whole, we can only reach our full potential if we use all of our talent and diversity. Using only half of the population, half of the ideas or half of the energy is not good enough."

Striving for a Union of Equality m
in all their diversity - are equal. Th
Equality Strategy 2020-2025
concrete progress on gender equ
Development Goals.

European Social Network

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Combatting abuse of older people in care

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HORIZON-CL3-2021-FCT-01-07: Improved preparedness on attacks to public spaces

DRAFT

Specific conditions	
EU contrib./ project	The EU estimates that an EU contribution of around **EUR 3.00 million**…
Indicative budget	EUR **3.00 million** (ONLY 1 project aproved).
Type of Action	**Innovation Actions**
Eligibility conditions	[…] This topic requires the **active involvement of at least 2 Police Authorities and at least 2 First Responder organisations (non-Police Authorities) from at least 3 different EU Member States or Associated countries**. For these participants, applicants must fill in the table "Eligibility information about practitioners" in the application form with all the requested information, following the template provided in the submission IT tool. Projects use satellite-based, positioning, navigation and/or related timing data and services, beneficiaries **must make use of Galileo/EGNOS** (other data and services may additionally be used). **The use of Copernicus for earth observation is encouraged**. **Some activities, resulting from this topic, may involve using classified background and/or producing of security sensitive results (EUCI and SEN).** Please refer to the related provisions in section B Security — EU classified and sensitive information of the General Annexes.
TRL	Activities are expected to achieve **TRL 6-7** by the end of the project (General Annex B).

HORIZON-CL3-2021-FCT-01-07: Improved preparedness on attacks to public spaces

DRAFT

Expected Outcome: Projects' results are expected to **contribute to some or all** of the following outcomes:

1. Improved **vulnerability assessments by law enforcement and local managers of public spaces for preventing terrorist attacks or other forms of severe violence** (amok, mass-riots), with explosives, weapons and vehicles;
2. **Better identification of specific vulnerabilities** and elaboration of **mitigation strategies**;
3. Improved training of Police authorities **in collaboration with different public and private actors**;
4. Enhanced planning capabilities of security practitioners and policy-makers due to the identification of potential **vulnerabilities of different sort of public spaces** and measures to reduce them by implementing a comprehensive security-by-design approach in urban planning (also including aspects of social inclusion).
5. Enhanced modelling capabilities of security practitioners, policy-makers and RTOs due to the identification of potential vulnerabilities connected to the different public spaces.

Scope:

- Target: **Public spaces such as squares, sport venues, shopping districts, places of worship or touristic attractions**… specially in case of large-scale events, official visits or as part of forward-looking city planning activities.
- **Development of tools/methods to identify the inherent vulnerabilities of a specific target and thus to be able to put in place appropriate mitigation measures**. → Perform of tailor-made trainings!
- Involvement of **SSH experts**, **local authorities and security managers** (**public security authorities and/or private security organisations**, e. g., crisis management and civil protection authorities, fire brigades, regulatory agencies, **emergency health services**, private security managers, etc.).

https://protect-cities.eu/

HORIZON-CL3-2021-FCT-01-07: Improved preparedness on attacks to public spaces

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COMMISSION STAFF WORKING DOCUMENT

Good practices to support the protection of public spaces

Accompanying the document

Communication from the Commission to the European Parliament, the European Council and the Council

Eighteenth Progress Report towards an effective and genuine Security Union

{COM(2019) 145 final}

https://ec.europa.eu/home-affairs/sites/default/files/what-we-do/policies/european-agenda-security/20190320_swd-2019-140-security-union-update-18_en.pdf

HORIZON-CL3-2021-FCT-01-08: Fight against trafficking in cultural goods

DRAFT

Specific conditions	
EU contrib./ project	The EU estimates that an EU contribution of around **EUR 5.00 million**…
Indicative budget	EUR **5.00 million** (ONLY 1 project approved).
Type of Action	**Research & Innovation Actions**
Eligibility conditions	[…] This topic requires the **active involvement of at least 2 Police Authorities and at least 2 Border Guards Authorities from at least 3 different EU Member States or Associated countries**. For these participants, applicants must fill in the table "Eligibility information about practitioners" in the application form with all the requested information, following the template provided in the submission IT tool. Projects use satellite-based, positioning, navigation and/or related timing data and services, beneficiaries **must make use of Galileo/EGNOS** (other data and services may additionally be used). **The use of Copernicus for earth observation is encouraged**. **Some activities, resulting from this topic, may involve using classified background and/or producing of security sensitive results (EUCI and SEN).** Please refer to the related provisions in section B Security — EU classified and sensitive information of the General Annexes.
TRL	Activities are expected to achieve **TRL 5-6** by the end of the project (General Annex B).

HORIZON-CL3-2021-FCT-01-08: Fight against trafficking in cultural goods

DRAFT

Expected Outcome: Projects' results are expected to **contribute to some or all** of the following outcomes:

1. **Robust research methodologies, improved intelligence picture and understanding** of mechanisms behind organised crime activities related to trafficking of cultural goods both offline and online, modus operandi, possible nexus with terrorist financing;
2. Enhanced ability of security practitioners **to identify organised crime networks** involved in trafficking in cultural goods and to detect their illicit business models, including financial aspects and money laundering activities in this sector;
3. **Improved and validated tools, skills and training materials** for EU Police Authorities, Border Guards and Customs Authorities to tackle criminal activities related to trafficking of cultural goods; → To improve their **cooperation**, as well as with specialised researchers **and international actors**, in tackling this form of crime;
4. **Improved databases** on stolen/trafficked cultural goods;

Scope:

- To **develop robust research methodologies that prioritise new data collection and analysis, and applications towards the development of evidence-based policy.** → Works of art and archaeological goods/finds are looted in war zones as well as in regions not experiencing conflict, and then sold to wealthy collectors and antiquities dealers in Europe.
- Involvement of SSH experts as well as **international cooperation**.
- Synergies with call-2021 topics from CL-3 & CL-2, as well with DEP.

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HORIZON-CL3-2021-FCT-01-08: Fight against trafficking in cultural goods

DRAFT

EUROPOL

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HOME › CRIME AREAS & TRENDS › EU POLICY CYCLE - EMPACT

Automated translation

EU POLICY CYCLE - EMPACT

Robust action to target the most pressing criminal threats

In 2010, the EU set up a four-year policy cycle in order to create a greater measure of continuity for the fight against serious international and organised crime. The policy calls for effective cooperation among :

- law enforcement agencies
- other EU agencies
- EU institutions
- relevant third parties.

EMPACT

https://www.europol.europa.eu/empact#:~:text=The%20projects%20under%20EMPACT%20set,fashion%20to%20implement%20each%20OAP.

HORIZON-CL3-2021-FCT-01-09: Fight against organised environmental crime

DRAFT

Specific conditions	
EU contrib./ project	The EU estimates that an EU contribution of around **EUR 5.00 million**…
Indicative budget	EUR **≈5.00 million** (1 project approved → **10 M€** shared with HORIZON-CL3-2021-FCT-01-10).
Type of Action	**Innovation Actions**
Eligibility conditions	[…] This topic requires the **active involvement of at least 2 Police Authorities and at least 2 Border Guards Authorities from at least 3 different EU Member States or Associated countries**. For these participants, applicants must fill in the table "Eligibility information about practitioners" in the application form with all the requested information, following the template provided in the submission IT tool. Projects use satellite-based, positioning, navigation and/or related timing data and services, beneficiaries **must make use of Galileo/EGNOS** (other data and services may additionally be used). **The use of Copernicus for earth observation is encouraged**. **Some activities, resulting from this topic, may involve using classified background and/or producing of security sensitive results (EUCI and SEN).** Please refer to the related provisions in section B Security — EU classified and sensitive information of the General Annexes.
Procedure	[…] grants will be awarded to applications not only in order of ranking but at least also to those that are the highest ranked within set topics, provided that the applications attain all thresholds.
TRL	Activities are expected to achieve **TRL 6-7** by the end of the project (General Annex B).

HORIZON-CL3-2021-FCT-01-09: Fight against organised environmental crime

DRAFT

Expected Outcome: Projects' results are expected to **contribute to some or all** of the following outcomes:

1. Improved intelligence picture of organised environmental crime in EU,
2. Improved tools and innovative training curricula for EU Police Authorities and Border Guards Authorities;
3. Improved cooperation between EU Police Authorities, Border Guards Authorities and other national Authorities
4. Improved **cooperation with third countries and international actors**;
5. Enhanced ability of security practitioners **to identify and prevent emergent and existing organised crime networks involved in environmental crime**;
6. Increased ability of public services **to detect places of illegal waste storage**;
7. Improved shaping and tuning of regulation related to the fight against environmental crime by security policy.

Scope:

- **To test and/or pilot tools and solutions for seeking technological and societal dimensions of environmental crime** → The extent of the problem is clearly demonstrated by **waste and polluting substances trafficking**, which is characterised by the clear interconnection between criminal actors and legal businesses.
- Involvement of **actors at national level such as inspection authorities, sanitary bodies** etc., as well as, **international cooperation**.
- Synergies with call-2021 topics CL-3, with DEP & EU Policy Cycle (EMPACT).

HORIZON-CL3-2021-FCT-01-10: Fight against firearms trafficking

DRAFT

Specific conditions	
EU contrib./ project	The EU estimates that an EU contribution of around **EUR 5.00 million**…
Indicative budget	EUR **≈5.00 million** (1 project approved → **10 M€** shared with HORIZON-CL3-2021-FCT-01-09).
Type of Action	**Innovation Actions**
Eligibility conditions	[…] This topic requires the **active involvement of at least 2 Police Authorities and at least 2 Border Guards Authorities from at least 3 different EU Member States or Associated countries**. For these participants, applicants must fill in the table "Eligibility information about practitioners" in the application form with all the requested information, following the template provided in the submission IT tool. Projects use satellite-based, positioning, navigation and/or related timing data and services, beneficiaries **must make use of Galileo/EGNOS** (other data and services may additionally be used). **The use of Copernicus for earth observation is encouraged**. **Some activities, resulting from this topic, may involve using classified background and/or producing of security sensitive results (EUCI and SEN).** Please refer to the related provisions in section B Security — EU classified and sensitive information of the General Annexes.
Procedure	[…] grants will be awarded to applications not only in order of ranking but at least also to those that are the highest ranked within set topics, provided that the applications attain all thresholds.
TRL	Activities are expected to achieve **TRL 6-7** by the end of the project (General Annex B).

HORIZON-CL3-2021-FCT-01-10: Fight against firearms trafficking

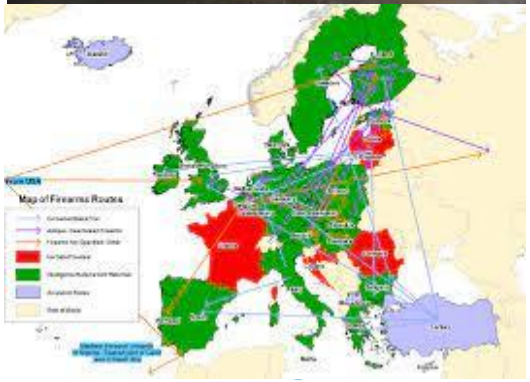
DRAFT

Expected Outcome: Projects' results are expected to **contribute to some or all** of the following outcomes:

1. Contribution to the implementation of the 2020-2024 EU Action Plan on firearms trafficking;
2. Improved intelligence **picture of firearms trafficking in Europe**,
3. **Harmonised procedures** in the investigation of trans-border crimes;
4. Improved cooperation between European Police and Border Guards Authorities, as well as with international actors;
5. **Reduced diversion of firearms into criminal hands in Europe**;
6. Enhanced ability of security practitioners to prevent the emergence of organised crime networks;

Scope: Projects should:

- **Analyse possibilities for safeguarding the legal market and preventing diversion (i.e, 3D printed firearms);**
- Improve the intelligence picture in firearms trafficking (Schengen Information System and Interpol's iArms database), **developing solutions to facilitate and approximate a systematic collection on data and developing tracking in real-time all;**
- Increase knowledge on the legal limitations and room for improvement, developing tools to enable automated cross-border exchange of ballistics information, and use of emerging tech for automated detection of firearms or its parcels;
- Synergies with call-2021 topics CL-3, with DEP & EU Policy Cycle (EMPACT).



HORIZON-CL3-2021-FCT-01-11: Prevention of child sexual exploitation

DRAFT

Specific conditions	
EU contrib./ project	The EU estimates that an EU contribution of around **EUR 3.00 million**…
Indicative budget	EUR **≈3.00 million** (1 project approved → **6 M€** shared with HORIZON-CL3-2021-FCT-01-12)
Type of Action	**Research & Innovation Actions**
Eligibility conditions	[…] This topic requires the **active involvement of at least 2 Police Authorities and at least 2 Civil Society Organisations (CSOs) from at least 3 different EU Member States or Associated countries**. For these participants, applicants must fill in the table "Eligibility information about practitioners" in the application form with all the requested information, following the template provided in the submission IT tool. **Some activities, resulting from this topic, may involve using classified background and/or producing of security sensitive results (EUCI and SEN).** Please refer to the related provisions in section B Security — EU classified and sensitive information of the General Annexes.
Procedure	[…] grants will be awarded to applications not only in order of ranking but at least also to those that are the highest ranked within set topics, provided that the applications attain all thresholds.

HORIZON-CL3-2021-FCT-01-11: Prevention of child sexual exploitation

DRAFT

Scope: Projects should:

- **Research to provide a deeper understanding of the prevalence of these crimes as well as the prevalence of persons with a sexual interest in children.** Early or weak signals should be further researched in combination with **effective countermeasures and interventions**.
- **The solutions** should be accompanied by corresponding **training curricula for Police Authorities and Civil Society Organisations** when necessary (e.g. when they involve providing assistance to potential offenders or victims). Methods for evaluating proposed solutions should be developed as well. Special care needs to be given to **ethics and fundamental rights protection** throughout the research and the solutions proposed.
- The **societal dimension** should be in the core of proposed activities. → **involvement of SSH experts**, institutions as well as the inclusion of relevant SSH expertise!
- […] mandatory involvement of Police Authorities, as well other relevant actors e.g. from **Civil Society Organisations, health professionals (psychologists, sociologists - is strongly encouraged as well.**
- **The testing and/or piloting of the tools and solutions developed in a real setting with one or more Police Authorities and other relevant authorities** is an asset; regardless, actions should foresee how they will facilitate the uptake, replication across setting and up-scaling of the capabilities - i.e. solutions, tools, processes et al. – to be developed by the project.

HORIZON-CL3-2021-FCT-01-11: Prevention of child sexual exploitation

DRAFT

European Commission

Migration and Home Affairs > What we do > Policies > Cybercrime > Fight against child sexual abuse

Migration and Home Affairs

Home | What's New | Financing | Who We Are | What We Do | E-Library

Policies | Agencies | Networks

- Legal migration and Integration
- Irregular Migration & Return
- Common European Asylum System
- Schengen, Borders & Visa
- Counter terrorism and radicalisation
- Innovation and Industry for Security

Fight against child sexual abuse

The fight against child sexual abuse is a priority for the EU. The EU strategy for period 2020-2025 sets out a comprehensive response to the growing threat of c sexual abuse both offline and online, by improving prevention, investigation, and assistance to victims.

The EU strategy for a more effective fi ht against child sexual abuse includes 8 initiatives to put in place a s l framework for the protection o and facilitate a coordinated approach many actors involved in protect supporting children.

https://ec.europa.eu/home-affairs/sites/default/files/what-we-do/policies/european-agenda-security/20200724_com-2020-607-commission-communication_en.pdf

EUROPEAN COMMISSION

Brussels, 24.7.2020
COM(2020) 607 final

OMMUNICATION FROM THE COMMISSION TO THE EUROPEAN IAMENT, THE COUNCIL, THE EUROPEAN ECONOMIC AND SOCIAL COMMITTEE AND THE COMMITTEE OF THE REGIONS

EU strategy for a more effective fight against child sexual abuse

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División de Programas UE

HORIZON-CL3-2021-FCT-01-12: Online identity theft is countered

DRAFT

Specific conditions	
EU contrib./ project	The EU estimates that an EU contribution of around **EUR 3.00 million**…
Indicative budget	EUR **≈3.00 million** (1 project approved → **6 M€** shared with HORIZON-CL3-2021-FCT-01-12)
Type of Action	**Research & Innovation Actions**
Eligibility conditions	[…] This topic requires the **active involvement of at least 3 Police Authorities from at least 3 different EU Member States or Associated countries**. For these participants, applicants must fill in the table "Eligibility information about practitioners" in the application form with all the requested information, following the template provided in the submission IT tool. **Some activities, resulting from this topic, may involve using classified background and/or producing of security sensitive results (EUCI and SEN).** Please refer to the related provisions in section B Security — EU classified and sensitive information of the General Annexes.
Procedure	[…] grants will be awarded to applications not only in order of ranking but at least also to those that are the highest ranked within set topics, provided that the applications attain all thresholds.
TRL	Activities are expected to achieve **TRL 5-6** by the end of the project (General Annex B).

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División de Programas de la UE

ESPAÑA PUEDE.

MINISTERIO DE CIENCIA E INNOVACIÓN

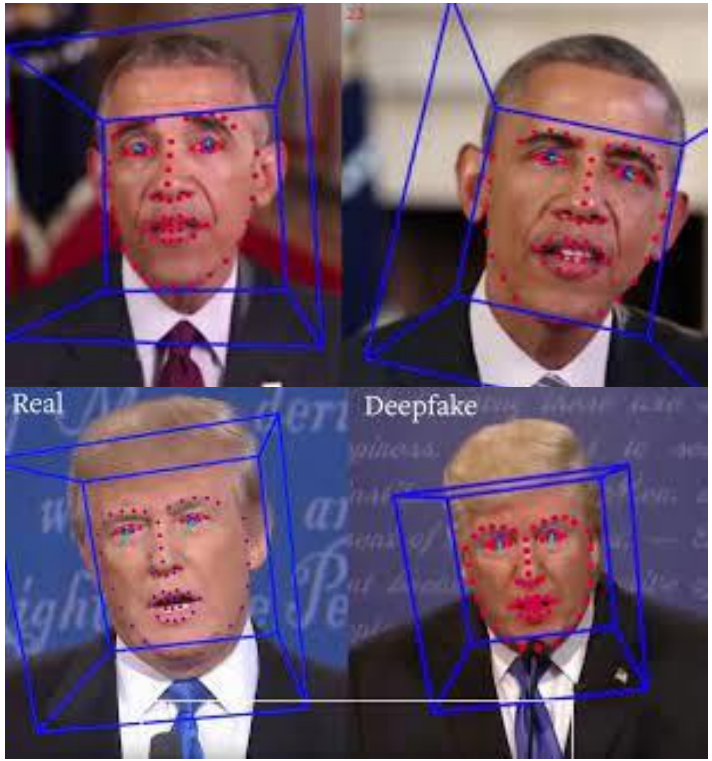
CDTI @CDTIoficial

HORIZON-CL3-2021-FCT-01-12: Online identity theft is countered

DRAFT

Scope: Projects should:

- Develop **new technological means of detecting deepfakes in support of the work of Police Authorities**, as it may only be a matter of time before deepfakes are used more often in online identity theft cases. […] An analysis of trends (who the victims of identity thefts are usually, whether gender/age/ICT skills play a role, etc.) would be an asset.
- This topic requires the effective contribution of SSH disciplines and the **involvement of SSH experts, institutions as well as the inclusion of relevant SSH expertise**[…] as well involvement of **relevant Civil Society Organisations, sociologists and psychologists** who can shed a light on the phenomenon of identity theft from the side of victims and how to support them, would be an added value of proposals submitted under this topic.
- Coordination with related activities in the Digital Europe Programme should be envisaged too.



HORIZON-CL3-2021-FCT-01-12: Online identity theft is countered

DRAFT

European Commission

Shaping Europe's digital future

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Home > Calendar > CONNECT University on "Exploring Deepfakes"

EVENT

CONNECT University on "Exploring Deepfakes"

26 February 2019

Online session

Nowadays anyone with the right technology can combine and superimpose existing images and videos onto source images or videos. Deepfakes are becoming more realistic and easier to produce, offering forgery that is qualitatively different from anything we have seen before. It has been described as "fake news on steroids". The potential to skew information and manipulate the beliefs of online communities is immense, and immensely worrying. What about building confidence with the deep fakes rising? In whom do we trust?

During the CONNECT University session on "Exploring Deepfakes phenomena", Boris Radanović – Engagement and Partnership Manager for the UK Safer Internet Centre – explained how the "generative adversarial network" (GAN) technique became an easily available software, that is being widely used to generate deepfakes. Denis Teyssou, journalist leading Agence France-Presse (AFP) Medialab and the innovation manager of InVID and WeVerify Horizon 2020 projects showcased how the InVID free verification plugin can help to source a deepfake video and identify the original images used to produce it. Can the machine learning that produces deepfakes be easily reversed to detect them, what kind of tools can be developed, or is user awareness the key?

Watch the recording and find more about the phenomena of deepfakes.

https://ec.europa.eu/futurium/en/connect-university/exploring-deepfakes

EU police recommend new online 'screening tech' to catch deepfakes

By Samuel Stolton | EURACTIV.com

20-11-2020

Deepfake technology involves the creation of synthetic media, generally video material, using artificial intelligence and machine learning tools. (Shutterstock)

Comments | Print

EU law enforcement authorities should make 'significant investments' into developing new screening technologies that could help to detect the malicious use of deepfakes, a new report from the bloc's police agency Europol recommends.

Deepfake technology involves the creation of synthetic media, generally video material, using artificial intelligence and machine learning tools which allow for an individual's facial expressions and speech to be doctored to appear real.

High-level politicians have long borne the brunt of these technologies, with falsified videos being produced of German Chancellor Merkel, former US President Obama, and ex-Italian Prime Minister Matteo Renzi.

The purpose of politically-motivated deepfake videos is to stoke social unrest and political polarisation between online users, by way of delivering falsified messages from well-known leaders. Europol expects the means of those producing to become more technologically advanced in the future.

Supporter

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EUROPE'S MEDIA LAB
Fondation EURACTIV

Tweets by @EuropeMediaLab

Europe's MediaLab (Fondation EURA
@EuropeMediaLab
Polish media group Agora called on the EU to speak out against the blocking of its deal to take over Eurozet.
Concerns about media independence are mounting and follow the purchase by PKN Orlen of Polska Press & a tax on adv revenues proposed by the govt.
on.ft.com/3aKRD6y

Brussels urged to intervene in Poland ...

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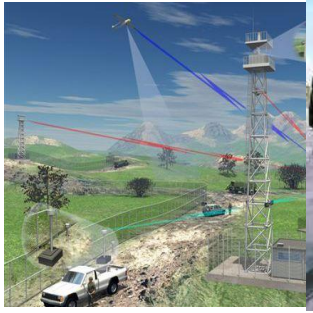
Destination BM: Effective Management of EU external Borders

<u>Destination BM:</u> Effective Management of EU external Borders

- **<u>Expected Impact</u>:** *"Legitimate **passengers and shipments** travel more easily into the EU, while **illicit trades, trafficking, piracy, terrorist** and other criminal acts are prevented, due to improved **air, land and sea border management and maritime security** including better knowledge on social factors."*



	Action Type	Funding/Project (M€)	TRL	Eligibility conditions
BM01 – Efficient border surveillance and maritime security				
HORIZON-CL3-2021-BM-01-01: Enhanced security and management of borders, maritime environment, activities and transport, by increased surveillance capability, including high altitude, long endurance aerial support	IA	7	7-8	3 Border
BM02 - Secured and facilitated crossing of external borders				
HORIZON-CL3-2021-BM-01-02: Increased safety, security, performance of the European Border and Coast Guard and of European customs authorities	CSA	2.5	N/A	2 Border + 2 Custom
HORIZON-CL3-2021-BM-01-03: Improved border checks for travel facilitation across external borders and improved experiences for both passengers and border authorities' staff	IA	4	7-8	3 Border
BM03 – Better customs and supply chain security				
HORIZON-CL3-2021-BM-01-04: Advanced detection of threats and illicit goods in postal and express courier flows	RIA	4	4-6	2 Custom + 2 Police
HORIZON-CL3-2021-BM-01-05: Improved detection of concealed objects on, and within the body of, persons	IA	5	7-8	3 Custom

HORIZON-CL3-2021-BM-01-01: Enhanced security and management of borders, maritime environment, activities and transport, by increased surveillance capability, including high altitude, long endurance aerial support

DRAFT

Specific conditions	
EU contrib. /project	The EU estimates that an EU contribution of around **EUR 7.00 million**…
Indicative budget	EUR **7.00 million** (1 project ONLY).
Type of Action	**Innovation Actions**
Eligibility conditions	[…] This topic requires the **active involvement of at least 3 Border or Coast Guard Authorities from at least 3 different EU Member States or Associated countries**. For these participants, applicants must fill in the table "Eligibility information about practitioners" in the application form with all the requested information, following the template provided in the submission IT tool. When **using satellite-based**, positioning, navigation and/or related timing data & services, beneficiaries **must make use Galileo/EGNOS**. The use of **Copernicus for EO is encouraged**. **Some activities, resulting from this topic, may involve using classified background and/or producing of security sensitive results (EUCI and SEN).** Please refer to the related provisions in section B Security — EU classified and sensitive information of the General Annexes.
TRL	Activities are expected to achieve **TRL 7-8** by the end of the project (General Annex B).

HORIZON-CL3-2021-BM-01-01: Enhanced security and management of borders, maritime environment, activities and transport, by increased surveillance capability, including high altitude, long endurance aerial support

DRAFT

Scope:

- **To develop, test and validate on-site solutions for advance capabilities to monitor (detection, identification and tracking, including long endurance, persistence, reliability) wider areas beyond the EU external borders** in order to prevent, detect and react to crime, including that crossing external borders, illegal border crossings and/or smuggling at the border regions of the EU and of the Schengen area. → **Special focus on maritime surveillance!**
- Those platforms would be expected to have multi-tasking capabilities and be able to respond to a variety of needs and situations, including but not limited to environmental incidents, search and rescue needs, illegal migration and cross-border crimes. → **cyber and physical security**
- UAVs, balloon, blimps, High Altitude Platforms (HAPs), Lighter-Than-Air (LTA) solutions, microsatellites, satellite imagery, etc. can be used…
- Coordination with FRONTEX priorities as well to be integrable & Interoperable with existing/upcoming border and maritime surveillance systems in the EU, including EUROSUR.
- Coordination with the EU Defense Fund project in order to avoid overlapping in civil domain.

HORIZON-CL3-2021-BM-01-02: Increased safety, security, performance of the European Border and Coast Guard and of European customs authorities

DRAFT

Specific conditions	
EU contrib. /project	The EU estimates that an EU contribution of around **EUR 2.50 million**…
Indicative budget	EUR **2.50 million** (1 project ONLY).
Type of Action	**Coordination & Support Action**
Eligibility conditions	[…] This topic requires the **active involvement of at least 3 Border or Coast Guard Authorities from at least 3 different EU Member States or Associated countries**. For these participants, applicants must fill in the table "Eligibility information about practitioners" in the application form with all the requested information, following the template provided in the submission IT tool. When **using satellite-based**, positioning, navigation and/or related timing data & services, beneficiaries **must make use Galileo/EGNOS**. The use of **Copernicus for EO is encouraged**. **Some activities, resulting from this topic, may involve using classified background and/or producing of security sensitive results (EUCI and SEN).** Please refer to the related provisions in section B Security — EU classified and sensitive information of the General Annexes.

HORIZON-CL3-2021-BM-01-02: Increased safety, security, performance of the European Border and Coast Guard and of European customs authorities

DRAFT

Scope:

- **Research to investigate and define future capability needs for increasing the safety, security, performance and user experience of the operational staff of border and coast guards and of customs authorities and FRONTEX.**
- To **develop technological components for security and safety solutions and protective equipment for deployed staff, advanced communication systems, advanced human interface devices and sensors**. Also, tools for increased situational awareness in operational context.
- Coordination with FRONTEX priorities as well other Framework Programmes projects such as those on human factors and/or on situational awareness capabilities for border security and border management.

HORIZON-CL3-2021-BM-01-03: Improved border checks for travel facilitation across external borders and improved experiences for both passengers and border authorities' staff

DRAFT

Specific conditions	
EU contrib. /project	The EU estimates that an EU contribution of around **EUR 4.00 million**…
Indicative budget	EUR **8.00 million** (2 projects approved).
Type of Action	**Innovation Actions**
Eligibility conditions	[…] This topic requires the **active involvement of at least 3 Border or Coast Guard Authorities from at least 3 different EU Member States or Associated countries**. For these participants, applicants must fill in the table "Eligibility information about practitioners" in the application form with all the requested information, following the template provided in the submission IT tool. When **using satellite-based**, positioning, navigation and/or related timing data & services, beneficiaries **must make use Galileo/EGNOS**. The use of **Copernicus for EO is encouraged**. **Some activities, resulting from this topic, may involve using classified background and/or producing of security sensitive results (EUCI and SEN).** Please refer to the related provisions in section B Security — EU classified and sensitive information of the General Annexes.
TRL	Activities are expected to achieve **TRL 7-8** by the end of the project (General Annex B).

HORIZON-CL3-2021-BM-01-03: Improved border checks for travel facilitation across external borders and improved experiences for both passengers and border authorities' staff

DRAFT

Scope:

- **To develop and systematically test and validate in operational environment solutions to speed up and facilitate the border crossing experience (at land, sea and/or border crossing points) for both travellers and staff of border authorities.** Systems for easier border crossings, while maintaining security and reliability, would further advance one or more capabilities including the capabilities of border guards to do checks in mobility; of **identifying and/or controlling passengers** (and their vehicles and/or luggage) **without stopping them**; and/or of temporarily setting up or scaling up the capacity of certain border crossing points within a relatively short notice. → **Fixed or mobile/transportable technologies.**
- **New technologies can support authorities on document and information checks and verification** (e.g. scanning passports, biometric verification, customs declarations, etc.), including health or security checks as necessary…
- capabilities to **capture and use biometrics of travellers without them having to stop and** in natural contexts for border checks, in full respect of fundamental rights and considerations to safeguard data and integrity.
- Coordination with FRONTEX (validation and future uptake) and its priorities.

HORIZON-CL3-2021-BM-01-04: Advanced detection of threats and illicit goods in postal and express courier flows

DRAFT

Specific conditions	
EU contrib. /project	The EU estimates that an EU contribution of around **EUR 4.00 million**…
Indicative budget	EUR **8.00 million** (2 projects approved).
Type of Action	**Research & Innovation Actions**
Eligibility conditions	[…] This topic requires the **active involvement of at least 3 Border or Coast Guard Authorities from at least 3 different EU Member States or Associated countries**. For these participants, applicants must fill in the table "Eligibility information about practitioners" in the application form with all the requested information, following the template provided in the submission IT tool. **Some activities, resulting from this topic, may involve using classified background and/or producing of security sensitive results (EUCI and SEN).** Please refer to the related provisions in section B Security — EU classified and sensitive information of the General Annexes.
TRL	Activities are expected to achieve **TRL 4-6** by the end of the project (General Annex B).

HORIZON-CL3-2021-BM-01-04: Advanced detection of threats and illicit goods in postal and express courier flows

DRAFT

Scope:

- **To test and validate, within the project, of developed tools and solutions in an operational environment for detection of threats and dangerous and illicit goods include explosives and explosive precursors, CBRN material, drugs, cash, contraband or counterfeit items, including counterfeit identity documents, and fake medicines.**

- […] for **post and parcels crossing the external borders of the Union**, but also for **internal shipping**, but without introducing additional controls that may disrupt free movement of goods. Cooperation with operators of postal and express courier service in the research project is strongly encouraged.

- In order to achieve the expected outcomes, **international cooperation is advised.**

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HORIZON-CL3-2021-BM-01-04: Advanced detection of threats and illicit goods in postal and express courier flows

DRAFT

European Commission

English EN

Home > Press corner > Customs Union: First phase of new EU import control system

Available languages: English

Press release | 15 March 2021 | Brussels

Customs Union: First phase of new EU import control system – ICS2 – comes into operation today

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The European Commission is today launching its new import control system (ICS2), a major reinforcement of the Customs Union's "first line of defence" against security and safety threats posed by illicit traffic in goods across the EU's external borders. In its first phase, ICS2 will focus on postal and express consignments coming to or through the EU by air, before eventually being applied to all modes of cargo transport.

What is ICS2?

The European Union makes it a top priority to ensure the security of its citizens and single market. Every year trillions of Euros worth of goods are imported into EU, with the EU-27 now accounting for around 15 % of the world's trade in goods. The European Union is implementing a new customs pre-arrival security and safety programme, underpinned by a large-scale advance cargo information system – Import Control System 2 (ICS2). The programme is one of the main contributors towards establishing an integrated EU approach to reinforce customs risk management under the common risk management framework (CRMF).

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HORIZON-CL3-2021-BM-01-05: Improved detection of concealed objects on, and within the body of, persons

DRAFT

Specific conditions	
EU contrib. /project	The EU estimates that an EU contribution of around **EUR 5.00 million**…
Indicative budget	EUR **5.00 million** (2 projects approved).
Type of Action	**Innovation Actions**
Eligibility conditions	[…] This topic requires the **active involvement of at least 3 Border or Coast Guard Authorities from at least 3 different EU Member States or Associated countries**. For these participants, applicants must fill in the table "Eligibility information about practitioners" in the application form with all the requested information, following the template provided in the submission IT tool. **Some activities, resulting from this topic, may involve using classified background and/or producing of security sensitive results (EUCI and SEN).** Please refer to the related provisions in section B Security — EU classified and sensitive information of the General Annexes.
TRL	Activities are expected to achieve **TRL 7-8** by the end of the project (General Annex B).

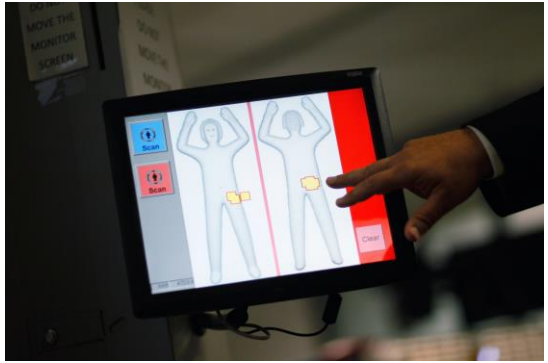
HORIZON-CL3-2021-BM-01-05: Improved detection of concealed objects on, and within the body of, persons

DRAFT

Scope:

- **To develop and test in operational environments advanced solutions to detect objects concealed on persons, or hidden inside the body of persons.** It should be harmless for users and operators (avoiding ionizing radiation, and include the assessment of the risk of any kind of toxic substances and/or potentially harmful techniques), provide fast detection and include easily deployable devices. → Detection of weapons (including non-metallic weapons); explosives (combined or not with electronics), including homemade explosives (HMEs) and improvised explosive devices (IEDs); other threats and illicit goods such as drugs, tobacco or currency, concealed under or in the clothes or bags of individuals as well as within the individuals' bodies.

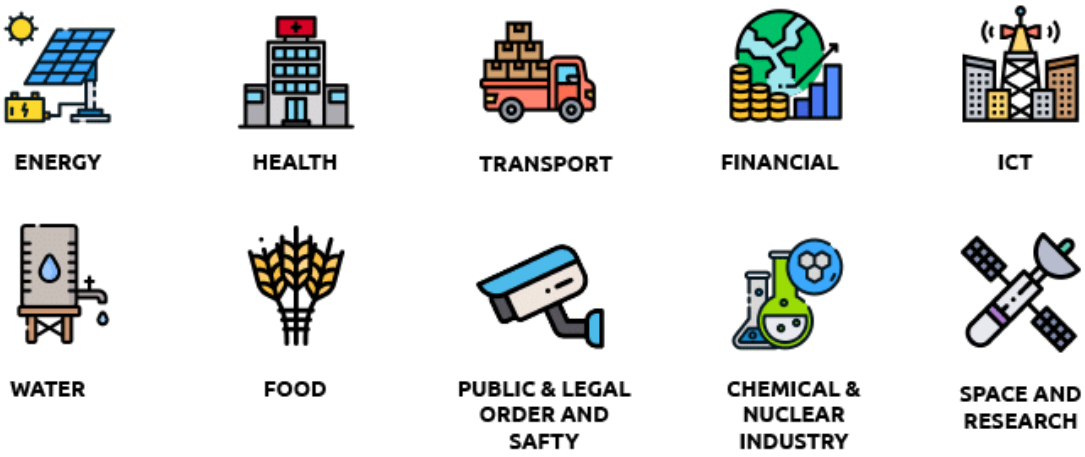
- Maximise respect of **fundamental rights, including for dignity and privacy**. In this sense, solutions should **avoid explicit formation of images, physical contact or intrusive techniques**. Solutions should also prove their potential to enable the **quick scan of large flows of people, employing a minimum number of operators**.



Destination INFRA: Resilient Infrastructure

Destination INFRA: Resilient INFRAstructures

- **Expected Impact**: *"[…] **resilience and autonomy of physical and digital infrastructures** are enhanced and vital societal functions are ensured, thanks to more powerful **prevention, preparedness and response**, a better understanding of related human, societal and technological aspects, and the development of cutting-edge capabilities for […] infrastructure operators […]"*



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	Action Type	Funding/Project (M€)	TRL	Eligibility conditions
HORIZON-CL3-2021-INFRA-01-01: European infrastructures and their autonomy safeguarded against systemic risks				
HORIZON-CL3-2021-INFRA-01-01: European infrastructures and their autonomy safeguarded against systemic risks	IA	10	6-7	3 Gov Entities
HORIZON-CL3-2021-INFRA-01-02: Ensured infrastructure resilience in case of Pandemics	IA	10	6-7	1 OCI + 1 RTO Health infectious

HORIZON-CL3-2021-INFRA-01-01: European infrastructures and their autonomy safeguarded against systemic risks

DRAFT

Specific conditions	
EU contrib. /project	The EU estimates that an EU contribution of around **EUR 10.00 million**…
Indicative budget	EUR **≈10.00 million** (**1 project ONLY** → 20 M€ shared with HORIZON-CL3-2021-INFRA-01-02).
Type of Action	**Innovation Actions**
Eligibility conditions	[…] This topic requires the **active involvement of at least 3 government entities responsible for security on national level from at least 3 different EU Member States or Associated countries**. For these participants, applicants must fill in the table "Eligibility information about practitioners" in the application form with all the requested information, following the template provided in the submission IT tool. **Entities established in countries outside the scope specified in the topic will be ineligible. [...]** **Legal entities established in a Member State or in countries associated to Horizon Europe that are directly or indirectly controlled by third countries not associated to Horizon Europe or by legal entities of non-associated third countries, are not eligible to participate. Also entities that are controlled by third countries outside the scope specified in the topic will be ineligible.** When **using satellite-based**, positioning, navigation and/or related timing data & services, beneficiaries **must make use Galileo/EGNOS**. The use of **Copernicus for EO is encouraged**. **Some activities, resulting from this topic, may involve using classified background and/or producing of security sensitive results (EUCI and SEN).**
Procedure	[…] grants will be awarded to applications not only in order of ranking but at least also to those that are the highest ranked within set topics, provided that the applications attain all thresholds.
TRL	Activities are expected to achieve **TRL 6-7** by the end of the project (General Annex B).

HORIZON-CL3-2021-INFRA-01-01: European infrastructures and their autonomy safeguarded against systemic risks

DRAFT

Expected Outcome: Projects are expected to contribute **to some** of the following:

1. **Improved large-scale vulnerability assessments of EU Member States' (MS) or Associated Countries' (AC)** key infrastructures covering one or more types of infrastructure (energy, water, communications, transport, finance etc.) in more than two MS/AC
2. Improved cooperation to **counter Hybrid Threats and subsequent large-scale disruptions of infrastructures in Europe**, allowing for operational testing in real scenarios or realistic simulations of scenarios with specific regard to the cross-border dimension (intra-EU as well as non-EU)
3. Improved concepts and instruments for the **anticipation of systemic risks to European infrastructure**, allowing for comprehensive long-term risk assessments, with regards to climate change, technological trends, foreign direct investment (FDI) and dependence on critical supplies from non-EU countries
4. **Improved risk, vulnerability and complexity related assessments for interconnected physical-digital EU infrastructures** aiming to increase security, resilience and design effective preventive, mitigating and preparedness measures and protect against and respond to cascading effects
5. **Terrestrial back-up/alternative PNT solutions to ensure continuous operation of Critical Infrastructure in case of the disruption of GNSS services** or other essential services
6. **Enabling the decentralisation** of large infrastructure to mitigate vulnerability in case of large scale disruptions
7. Enhanced preparedness and response by definition of operational procedures of both **private and public infrastructure operators as well as public authorities considering citizens involvement (**needs and vulnerabilities) in case of large scale infrastructure disruptions also with a view of assessing the combined physical and cyber resilience

HORIZON-CL3-2021-INFRA-01-02: Ensured infrastructure resilience in case of Pandemics

DRAFT

Specific conditions	
EU contrib. /project	The EU estimates that an EU contribution of around **EUR 10.00 million**…
Indicative budget	EUR **≈10.00 million** (**1 project ONLY** → 20 M€ shared with HORIZON-CL3-2021-INFRA-01-02).
Type of Action	**Innovation Actions**
Eligibility conditions	[…] This topic requires the **active involvement of at least 1 operator of critical infrastructure, as well as of at least 1 organisation dealing with research on infectious diseases from 2 different different EU Member States or Associated countries**. For these participants, applicants must fill in the table "Eligibility information about practitioners" in the application form with all the requested information, following the template provided in the submission IT tool. **Some activities, resulting from this topic, may involve using classified background and/or producing of security sensitive results (EUCI and SEN).**
Procedure	[…] grants will be awarded to applications not only in order of ranking but at least also to those that are the highest ranked within set topics, provided that the applications attain all thresholds.
TRL	Activities are expected to achieve **TRL 6-7** by the end of the project (General Annex B).

HORIZON-CL3-2021-INFRA-01-02: Ensured infrastructure resilience in case of Pandemics

DRAFT

Scope:

- **To test and/or pilot of the strategies developed(in a real setting and including one or more relevant public authorities) solutions to ensure continuity of operations of different services and supplies, which are also critical to allow for prevention, preparedness and response to pandemics.**
- These solutions have to contribute to improve the **EU-wide prevention and response to the specific challenges for the functioning of infrastructure in case of a severe infectious disease crises**. This requires targeted security research which can deliver better knowledge, security risk assessment as well preparedness and response emergency planning tools. **Public-private cooperation is absolutely essential** in order to respond to a crisis as far reaching as a pandemic.
- **Integrated supply-chains for both critical goods, as well as non-essential ones.** As such, understanding **interdependencies**, reducing vulnerabilities and identifying truly critical activities is key for enhancing overall societal resilience against pandemics. → I.e., sudden increase in communication, decrease in transport, ensuring essential resources…, increased cyber-risks in the event of teleworking or less physical protection due to staff contingency measures.
- **International cooperation**.

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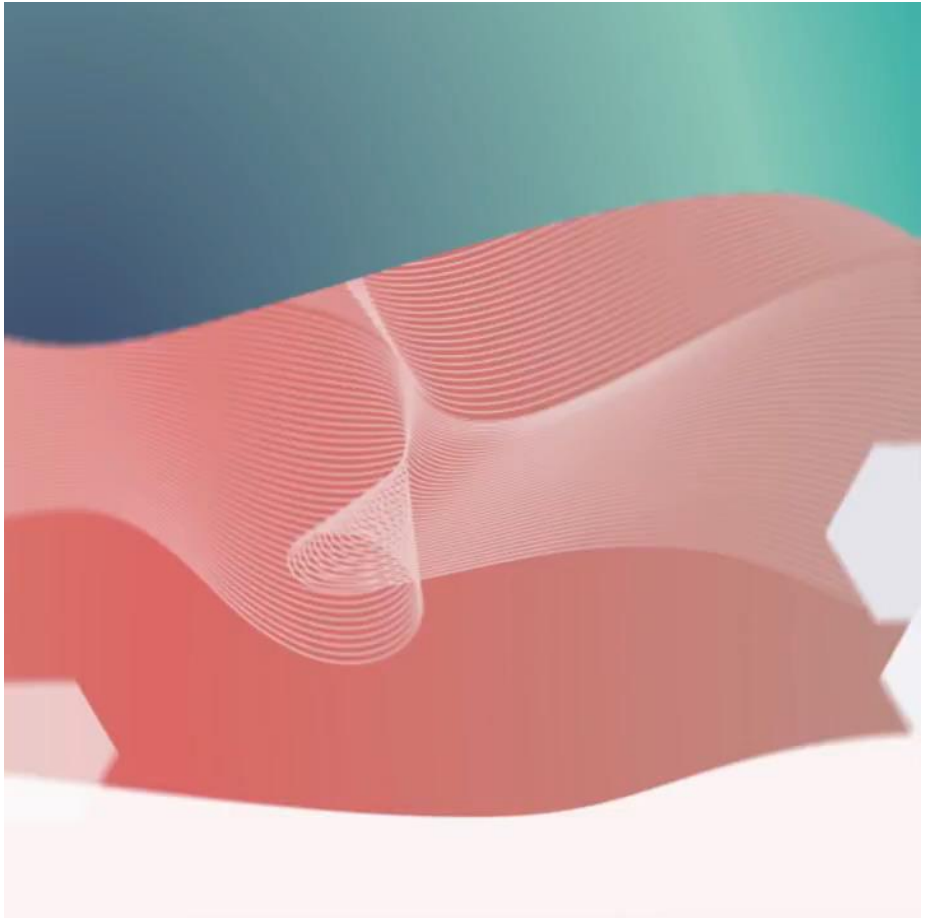
Destination CS: Increased cybersecurity and a more secure on-line environment



Nueva Estrategia Europea de Ciberseguridad

Legislación: Directiva NIS, Legislación sectores críticos, CyberAct

Coordinación: Blueprint, Joint Cyber Unit, 5G toolbox

Financiación: Horizonte Europa, CEF y Digital Europe Programme

	ACTION TYPE	Budget	FUNDING /PROJECT (M€)	Nr. Of projects	TRL	Eligibility conditions
CS01 - Secure and resilient digital infrastructures and interconnected systems						
HORIZON-CL3-2021-CS-01-01: Dynamic business continuity and recovery methodologies based on models and prediction for multi-level Cybersecurity	RIA	21,5 M€	3-5	5	4	N/A
CS02 - Hardware, software and supply chain security						
HORIZON-CL3-2021-CS-01-02: Improved security in open-source and open-specification hardware for connected devices	RIA	18 M€	3-5	4	4	N/A
CS03 - Cybersecurity and disruptive technologies						
HORIZON-CL3-2021-CS-01-03: AI for cybersecurity reinforcement	RIA	11 M€	3-4	3	4	N/A
CS05 - Human-centric security, privacy and ethics						
HORIZON-CL3-2021-CS-01-04: Scalable privacy-preserving technologies for cross-border federated computation in Europe involving personal data	RIA	17,50 M€	3-5	4	4	N/A

<u>Destination 4:</u> Increased cybersecurity and a more secure on-line environment

- **<u>Expected impact</u>:** *"Increased cybersecurity and a more* ***secure online environment*** *are by developing and using effectively EU and Member States' capabilities in digital technologies supporting* ***protection of data and networks****, while respecting privacy and other fundamental rights; this should contribute to* ***secure services, processes and products****, as well as to robust* ***digital infrastructures*** *capable to* ***resist and counter cyber-attacks and hybrid threats****."*

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Expected impacts CS (cont'd)

1. Strengthened **EU cybersecurity capacities** and **European Union sovereignty** in digital technologies
2. More resilient digital infrastructures, systems and processes
3. Increased software, hardware and supply chain security
4. Secured disruptive technologies
5. Smart and quantifiable security assurance and certification shared across the EU
6. Reinforced awareness and a common cyber security management and culture

DRAFT

Specific conditions	
Expected EU contribution per project	The EU estimates that an **EU contribution of between EUR 3.00 and 5.00** million would allow these outcomes to be addressed appropriately. Nonetheless, this does not preclude submission and selection of a proposal requesting different amounts.
Indicative budget	The total indicative budget for the topic is EUR 21.50 million.
Type of Action	**Research and Innovation Actions**
Eligibility conditions	The conditions are described in General Annex B. The following exceptions apply: Some activities, resulting from this topic, **may involve using classified background and/or producing of security sensitive results (EUCI and SEN).** Please refer to the related provisions in section B Security — EU classified and sensitive information of the General Annexes.
TRL	Activities are expected to achieve **TRL 4** by the end of the project – see General Annex B.

HORIZON-CL3-2021-CS-01-01: Dynamic business continuity and recovery methodologies based on models and prediction for multi-level Cybersecurity

DRAFT

Expected Outcome: Projects are expected to contribute to all of the following expected outcomes:

1. Advanced self-healing **disaster recovery and effective business continuity in critical sectors** (e.g. energy, transportation, health);
2. Enhanced mechanisms for exchange of information among relevant players;
3. Better disaster preparedness against possible disruptions, attacks and cascading effects;
4. Better business continuity **covering two or more sectors**.

HORIZON-CL3-2021-CS-01-01: Dynamic business continuity and recovery methodologies based on models and prediction for multi-level Cybersecurity

DRAFT

- **Scope:**
  - Developing new methodologies, services and tools for accelerating the self-recovery and possible adaptation of the infrastructures and supply chains after an attack
  - Developing and validating AI-based self-healing, effective business continuity and disaster recovery in real-world scenarios covering two or more business sectors and supporting their private and public actors.
  - Cyber threat intelligence and situational awareness (…) down to real-time events.
  - Must satisfy the needs of the end-users and support daily tasks, efficient and effective operations and ensure business continuity.
  - Dynamic execution of disruption recovery and business continuity processes.
  - Human factors (e.g. behavioural, psychological, cultural and gender)
  - Research should address the risks and impact of a cyber-incident on the business itself, using appropriate KPIs
  - Potential links with topic SU-INFRA01-2018-2019-2020

European Commission

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Shaping Europe's digital future

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NIS Directive

The NIS Directive is the first piece of EU-wide legislation on cybersecurity. It provides legal measures to boost the overall level of cybersecurity in the EU.

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The Directive on security of network and information systems (the NIS Directive) provides legal measures to boost the overall level of cybersecurity in the EU by ensuring:

- Member States' preparedness, by requiring them to be appropriately equipped. For example, with a Computer Security Incident Response Team (CSIRT) and a competent national NIS authority,
- cooperation among all the Member States, by setting up a Cooperation Group to support and facilitate strategic cooperation and the exchange of information among Member States.
- a culture of security across sectors that are vital for our economy and society and moreover rely heavily on ICTs, such as energy, transport, water, banking, financial market infrastructures, healthcare and digital infrastructure.

Businesses identified by the Member States as operators of essential services in the above sectors will have to take appropriate security measures and to notify relevant national authorities of serious

HORIZON-CL3-2021-CS-01-02: Improved security in open-source and open-specification hardware for connected devices

DRAFT

Specific conditions	
Expected EU contribution per project	The EU estimates that an EU contribution of between **EUR 3.00 and 5.00 million** would allow these outcomes to be addressed appropriately. Nonetheless, this does not preclude submission and selection of a proposal requesting different amounts.
Indicative budget	The total indicative budget for the topic is **EUR 18.00 million.**
Type of Action	**Research and Innovation Actions**
Eligibility conditions	The conditions are described in General Annex B. The following exceptions apply: Some activities, resulting from this topic, may involve using classified background and/or producing of security sensitive results (EUCI and SEN). Please refer to the related provisions in section B Security — EU classified and sensitive information of the General Annexes.
TRL	Activities are expected to **achieve TRL 4** by the end of the project – see General Annex B.

HORIZON-CL3-2021-CS-01-02: Improved security in open-source and open-specification hardware for connected devices

DRAFT

- **Expected outcomes:**
  - **Reduced security threats of open source hardware** for connected devices.
  - Formal **verification** of open hardware.
  - **Effective management of cybersecurity patches** for connected devices in restricted environments such as IoT devices.
  - Effective **security audits of open source hardware**, embedded software and other security-relevant aspects of connected devices.
  - Effective mechanisms for **inventory management, detection of insecure components and decommissioning.**
  - Methods for **secure authentication and secure communication** for connected devices in restricted environments such as IoT devices

HORIZON-CL3-2021-CS-01-02: Improved security in open-source and open-specification hardware for connected devices

DRAFT

- **Scope:** In IoT environments, cover one or more of the following research activities
  - development of verifiable implementations of cryptographic solutions, authentication schemes, and, as relevant, software libraries that implement them securely in operating systems;
  - develop mechanisms to mitigate hardware-related security vulnerabilities
  - development of security auditing for connected devices;
  - development and advancing of security testing in restricted environments;
  - development and advancing of verification methods for secure firmware updates and secure software patching in connected devices;
  - development of multi-factor authentication hardware and software solutions.
  - development of the security upgrading of the connected devices within the life cycle

HORIZON-CL3-2021-CS-01-03: AI for cybersecurity reinforcement

DRAFT

Specific conditions	
Expected EU contribution per project	The EU estimates that an EU contribution of **between EUR 3.00 and 4.00 million** would allow these outcomes to be addressed appropriately. Nonetheless, this does not preclude submission and selection of a proposal requesting different amounts.
Indicative budget	The total indicative budget for the topic is **EUR 11.00 million**.
Type of Action	**Research and Innovation Actions**
Eligibility conditions	The conditions are described in General Annex B. The following exceptions apply: Some activities, resulting from this topic, may involve using classified background and/or producing of security sensitive results (EUCI and SEN). Please refer to the related provisions in section B Security — EU classified and sensitive information of the General Annexes.
TRL	Activities are expected **to achieve TRL 4** by the end of the project – see General Annex B.

HORIZON-CL3-2021-CS-01-03: AI for cybersecurity reinforcement

DRAFT

- **Expected outcomes:**
  - Reinforced cybersecurity **using AI technological components and tools** in line with relevant EU policy, legal and ethical requirements.
  - **Increased knowledge** about how an attacker might use AI technology in order to attack IT systems.
  - **Digital processes, products and systems resilient** against AI-powered cyberattacks

HORIZON-CL3-2021-CS-01-03: AI for cybersecurity reinforcement

DRAFT

- **Scope:** Develop AI-based methods and tools in order to address the following interrelated capabilities:
  - (i) improve **systems robustness** (i.e. the ability of a system to maintain its initial stable configuration even when it processes erroneous inputs, thanks to self-testing and self-healing);
  - (ii) improve **systems resilience** (i.e. the ability of a system to resist and tolerate an attack, anticipate, cope and evolve by facilitating threat and anomaly detection and allowing security analysts to retrieve information about cyber threats);
  - (iii) improve **systems response** (i.e. the capacity of a system to respond autonomously to attacks, thanks to identifying vulnerabilities in other machines and operate strategically by deciding which vulnerability to attack and at which point, and by deceiving attackers;
  - (iv) **counter the ways AI can be used for attacking**. Advanced AI-based solutions, including machine learning tools, as well as defensive mechanisms to ensure data integrity should also be included in the proposed actions. Proposals should strive to ultimately facilitate the work of relevant cybersecurity experts (e.g. by reducing the workloads of security operators).

Shaping Europe's digital future

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A European approach to Artificial intelligence

The European Commission's approach to AI centres on excellence and trust. It aims to boost research and industrial capacity and ensure fundamental rights.

A resilient Europe fit for the Digital Decade is one where people and businesses benefit from artificial intelligence-generated improvements in industry and day-to-day life. For example, artificial intelligence (AI) can help to treat diseases and minimise the environmental impact of farming.

However, any AI-generated improvements need to be based on rules that safeguard the functioning of markets and the public sector, and people's safety and fundamental rights. If Europe is to be internationally competitive, it must carry these values to the global stage, and facilitate innovation across the EU.

In line with this vision, the Commission published its AI package proposing new rules and actions aiming to turn Europe into the global hub for trustworthy Artificial Intelligence:

- Communication on Fostering a European Approach to Artificial Intelligence
- Coordinated Plan with Member States: 2021 update
- Proposal for a Regulation laying down harmonised rules on artificial intelligence (Artificial

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A European Strategy for data

The success of Europe's digital transformation will depend on establishing effective rules to ensure trustworthy technologies, and to give businesses the confidence and means to digitise.

The Data Strategy and the White Paper on Artificial Intelligence are the first pillars of the new digital strategy of the Commission. They all focus on the need to put people first in developing technology, as well as on the need to defend and promote European values and rights in how we design, make and deploy technology in the economy.

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HORIZON-CL3-2021-CS-01-04: Scalable privacy-preserving technologies for cross-border federated computation in Europe involving personal data

DRAFT

Specific conditions	
Expected EU contribution per project	The EU estimates that an EU contribution of **between EUR 3.00 and 5.00 million** would allow these outcomes to be addressed appropriately. Nonetheless, this does not preclude submission and selection of a proposal requesting different amounts.
Indicative budget	The total indicative budget for the topic is **EUR 17.00 million.**
Type of Action	**Research and Innovation Actions**
TRL	Activities are expected to achieve **TRL 4** by the end of the project – see General Annex B.

HORIZON-CL3-2021-CS-01-04: Scalable privacy-preserving technologies for cross-border federated computation in Europe involving personal data

DRAFT

- **Expected outcomes:**
  - Improved scalable and reliable **privacy-preserving technologies** for federated processing of personal data and their integration in real-world systems
  - **More user-friendly solutions for privacy-preserving processing** of federated personal data registries by researchers
  - **Improving privacy-preserving technologies** for cyber threat intelligence and data sharing solution
  - Contribution to promotion of **GDPR** compliant European data spaces for digital services and research (in synergy with topic DATA-01-2021 of Horizon Europe Cluster 4)
  - Strengthened European ecosystem of open source developers and researchers of privacy-preserving solutions

HORIZON-CL3-2021-CS-01-04: Scalable privacy-preserving technologies for cross-border federated computation in Europe involving personal data

DRAFT

- **Scope:**
  - Advanced privacy-preserving computation techniques such as homomorphic encryption, secure multiparty computation, and differential privacy
  - Applicability in real-world use case scenarios
  - Scalability and reliability of privacy-preserving technologies in realistic problem areas
  - GDPR compliance and Open source solutions, where possible

Destination DRS: A Disaster-resilient society for Europe

EU Policy context

European Commission

Disaster Resilient Society

DG HOME
Internal Security

COM(2009) 273 final
CBRN Action Plan
+ COM(2014)247 final
CBRN-E risks
+ European Agenda on Security

DG ECHO
Civil Protection

Decision 1313/2013
EU Civil Protection Mechanism

Environmental threats

DG ENV
Environment

Decision 1386/2013
Environment Action Programme
Directive 2012/18/EU
(Seveso III Directive)

Climate threats

DG CLIMA
Climate action

EU Climate Adaptation Strategy

Health threats

DG SANTE
Consumer Health

Decision 1082/2013
Serious cross-border threats to health

DG ENER
Energy

Regulation 347/2013
Tran-European Energy Instrastructure
Directive 2009/7/EU
Safety of nuclear installations

DG MOVE
Transport

Decision 661/2010
Tran-European Transport Network

DG TAXUD
Customs

EU Custom policy for supply chain security and use of customs detection technology for CBRN-E

DG GROW
Enterprise & Industry

Security Industrial policy
COM(2012)417 final
Internal Security Strategy
COM(2010)673 final
European Agenda on Security

DG TRADE

Regulation 428/2009
Transit of dual use items

International

DG DEVCO
International cooperation

CBRN-E Centres of Excellence

EEAS
Ext. security

Intergovernmental

+ UN Bodies, NATO

Nuclear non-proliferation treaty
Chemical Weapons Convention
Biological Weapons Convention

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EU Reseach

EDA
Defense

Joint Investment Programme / EFC

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- **<u>Expected Impact</u>:** *"Losses from **natural, accidental and man-made disasters** (including those related to terrorism actions) are reduced through enhanced disaster risk reduction based on **preventive actions, better societal preparedness and resilience** in a systemic way."*

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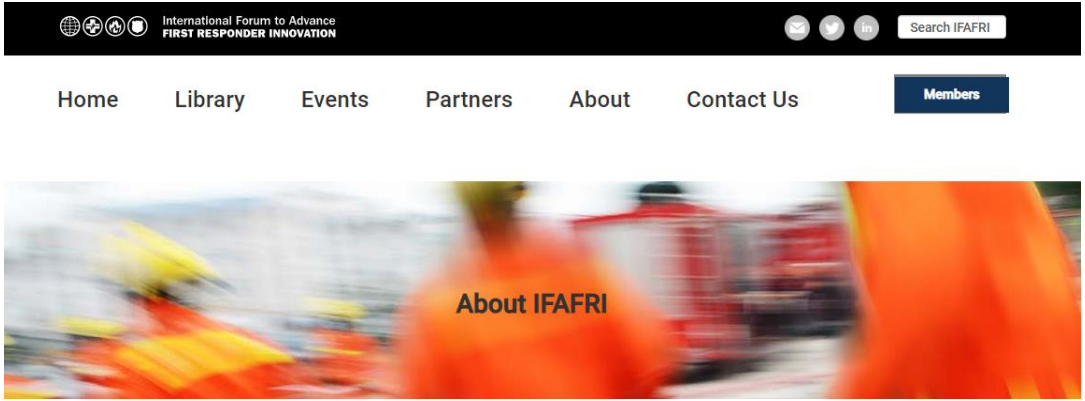
<u>Compulsory impacts</u> → Proposals **MUST cover one or several** of these ones & MUST build on previous projects

- ✓ Enhanced understanding and improved knowledge and **situational awareness of citizens**, empowered to act in case of a disaster…
- ✓ More efficient **cross-sectoral, cross-disciplines, cross-border coordination** of the disaster risk management cycle (from prevention, preparedness to response and recovery) from international to local levels.
- ✓ Enhanced **sharing of knowledge and coordination** regarding **standardisation** in the area of crisis management and CBRN.
- ✓ **Strengthened capacities of first responders** in all operational phases, having enhanced situational awareness, and allowing more effective proceed with victim identification and triage.

✓ **Key aspects to be developed:**

- **Threats** → Extreme weather events (e.g. floods, heat and cold waves, storms, forest fires, geological hazards (earthquakes, tsunamis, volcanic eruptions) and slow-onset hazards (e.g. sea-level rise, glacier melt, droughts), anthropogenic crisis management capacities (i.e. industrial accidents and terrorist attacks associated to CBRN-E) and pandemics such as COVID-19 crisis (or future potential ones).
- Promoting enhanced **cooperation and involvement of different sectors and actors** are essential, including policy-makers, scientists, industry/SMEs, public administration (both at national and regional/local level), credit /financial institutions, practitioners, NGOs and Civil-Society Organisations (CSOs).
- **International cooperation** on R&I with key partners has the potential to identify **common solutions & cross-border cooperation** → **IFAFRI**
- innovative methods and solutions addressed to decision-makers and to include education and training for public administration, private companies, citizens, NGOs…



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	ACTION TYPE	FUNDING/PROJECT (M€)	TRL	Eligibility conditions
DRS01 - Societal Resilience: Increased risk Awareness and preparedness of citizens				
HORIZON-CL3-2021-DRS-01-01: Improved understanding of risk exposure and its public awareness in areas exposed to multi-hazards	RIA	5	N/A	3 practitioners (first and second respondents) / local communities/local or regional authorities
DRS02 - Improved Disaster Risk Management and Governance				
HORIZON-CL3-2021-DRS-01-02: Integrated Disaster Risk Reduction for extreme climate events: from early warning systems to long term adaptation and resilience building	IA	6	N/A	3 practitioners (first and second respondents) / local communities/local or regional authorities
HORIZON-CL3-2021-DRS-01-03: Enhanced assessment of disaster risks, adaptive capabilities and scenario building based on available historical data and projections	RIA	5	N/A	3 practitioners (first and second respondents) / local communities/local or regional authorities + representatives of scientific areas / on DRS
HORIZON-CL3-2021-DRS-01-04: Developing a prioritisation mechanism for research programming in standardisation related to natural hazards and/or CBRN-E sectors	CSA	2	N/A	2 national standardization orgs + chairs of CEN or ISO + scientific stakeholders on standadization of natural hazards and CBRN-E
DRS03 - Strengthened capacities of first and second responders				
HORIZON-CL3-2021-DRS-01-05: Fast deployed mobile laboratories to enhance situational awareness for pandemics and emerging infectious diseases	IA	8	6-8	3 first responders of local or regional authorities managing sanitary crises

HORIZON-CL3-2021-DRS-01-01: Improved understanding of risk exposure and its public awareness in areas exposed to multi-hazards

DRAFT

Specific conditions	
Expected EU contribution per project	The EU estimates that an EU contribution of **around EUR 5.00 million** would allow these outcomes to be addressed appropriately. Nonetheless, this does not preclude submission and selection of a proposal requesting different amounts.
Indicative budget	The total indicative budget for the topic is **EUR 5.00 million.**
Type of Action	**Research and Innovation Actions**
Eligibility conditions	The conditions are described in General Annex B. The following exceptions apply: The following additional eligibility conditions apply: This topic **requires the active involvement of at least 3 organisations representing citizens or local communities, practitioners (first and/or second responders), and local or regional authorities and private sector from at least 3 different EU Member States or Associated countries**. For these participants, applicants must fill in the table "Eligibility information about practitioners" in the application form with all the requested information, following the template provided in the submission IT tool. If projects use satellite-based, positioning, navigation and/or related timing data and services, beneficiaries must make use of Galileo/EGNOS (other data and services may additionally be used). The use of Copernicus for earth observation is encouraged.

HORIZON-CL3-2021-DRS-01-01: Improved understanding of risk exposure and its public awareness in areas exposed to multi-hazards

DRAFT

- **Expected outcomes:**

✓ **Advanced disaster / crisis simulations and impact assessments supporting decision-making processes** based on best available knowledge, adaptive strategies and methodologies

✓ **Risk and resilience assessment solutions, studies and outputs** in support of long-term multi-hazard management strategies (e.g. climate adaptation, disaster risk reduction and prevention and mitigation strategies) with a focus on vulnerable regions prone to multiple hazard occurrences

✓ **Advanced data management, information update and forecast / early warning systems** (including via satellite and in-situ observation) in support of evolving public understanding and decision-making needs in the field of multi-hazard preparedness policy and planning,

✓ **Communication and dissemination platforms** supporting an increased dialogue and cooperation between scientific, technological, practitioners, policy-makers, private sector (e.g. insurers), NGOs, citizens and community-based organisations for sharing and building-up the knowledge

HORIZON-CL3-2021-DRS-01-01: Improved understanding of risk exposure and its public awareness in areas exposed to multi-hazards

DRAFT

- **Scope:**
  - A strengthened understanding of risks by the population (and decision-makers) is needed, based on both records of past events and forecasts and projections
  - Improved knowledge on how risk awareness and actions are influenced and shaped by diverse aspects such as past events, cultures and traditions.
  - Knowledge gained about historical data and information about past events and related lessons learned as well as the ability to forecast and assess future risks under uncertainty
  - Effective contribution of SSH disciplines and the involvement of SSH experts, institutions as well as the inclusion of relevant SSH expertise
  - Involvement of citizens, civil society and other societal stakeholders + International cooperation recommended

HORIZON-CL3-2021-DRS-01-02: Integrated Disaster Risk Reduction for extreme climate events: from early warning systems to long term adaptation and resilience building

DRAFT

Specific conditions	
Expected EU contribution per project	The EU estimates that an EU contribution **of around EUR 6.00 million** would allow these outcomes to be addressed appropriately. Nonetheless, this does not preclude submission and selection of a proposal requesting different amounts.
Indicative budget	The total indicative budget for the topic is **EUR 6.00 million.**
Type of Action	**Innovation Actions**
Eligibility conditions	The conditions are described in General Annex B. The following exceptions apply: The following additional eligibility conditions apply: This topic requires **the active involvement of at least 3 organisations representing citizens or local communities, practitioners (first and/or second responders), and local or regional authorities and private sector from at least 3 different EU Member States or Associated countries**. For these participants, applicants must fill in the table "Eligibility information about practitioners" in the application form with all the requested information, following the template provided in the submission IT tool. If projects use satellite-based, positioning, navigation and/or related timing data and services, beneficiaries must make use of Galileo/EGNOS (other data and services may additionally be used). The use of Copernicus for earth observation is encouraged.

HORIZON-CL3-2021-DRS-01-02: Integrated Disaster Risk Reduction for extreme climate events: from early warning systems to long term adaptation and resilience building

DRAFT

- **Expected outcomes:**
  - Improved dialogue and cooperation among scientific and technical communities, stakeholders, policy-makers and local communities in the field of extreme climate events and disaster risk reduction.
  - Enhanced community engagement for prevention, preparedness, response, recovery and learning to extreme climate events
  - **Strengthening of disaster risk reduction and resilience** building through innovative use of media means
  - Overview of existing knowledge, tools and development of new tools (innovative data collection, satellite data, data harmonisation, artificial-intelligence tools, algorithms, sensors and decision-aid approaches) for early warning, response and resilience / adaptation to be demonstrated in the framework of real-case scenarios
  - Development of new governance strategies and robust decision-support methodologies for integrated risk reduction and improved adaptation to climate extreme events.
  - Improved understanding of enablers and barriers to multi-risk governance frameworks and multi-risk thinking,
  - Cost-benefit or cost-effectiveness analyses of investment and regulatory strategies
  - Identification of production/livelihood practices (goods, services, activities etc.) at community and national level

HORIZON-CL3-2021-DRS-01-02: Integrated Disaster Risk Reduction for extreme climate events: from early warning systems to long term adaptation and resilience building

DRAFT

- **Scope:**
  - Coherent integration between Disaster Risk Reduction, Climate Change Adaptation policies and Sustainable Development Goals as fostered by the Green Deal and UN major initiatives
  - Collaborative involvement in risk assessment and information sharing across involved institutions, including the civil and private sector and the population
  - Cross-regional, cross-border and cross-sector agreements covering all phases of Disaster Risk Management
  - Improving effective prevention, preparedness and response rely upon specific national or local expertise and experience
  - Measures to improve the resilience of the built environment and communities
  - Creating an overview of existing knowledge, integrating tools and developing new ones for resilience and emergency management
  - Data management tools for emergencies, Apps + SSH

HORIZON-CL3-2021-DRS-01-03: Enhanced assessment of disaster risks, adaptive capabilities and scenario building based on available historical data and projections

DRAFT

Specific conditions	
Expected EU contribution per project	The EU estimates that an EU contribution of around **EUR 5.00 million** would allow these outcomes to be addressed appropriately. Nonetheless, this does not preclude submission and selection of a proposal requesting different amounts.
Indicative budget	The total indicative budget for the topic is **EUR 5.00 million.**
Type of Action	**Research and Innovation Actions**
Eligibility conditions	The conditions are described in General Annex B. The following exceptions apply: The following additional eligibility conditions apply: **This topic requires a multidisciplinary consortium involving:** • **representatives of scientific areas that are related to disaster risk management, societal and historical aspects;** • **as well as local or regional communities and authorities, from at least 3 different EU Member States or Associated countries.** For all the participants above, applicants must fill in the table "Eligibility information about practitioners" in the application form with all the requested information, following the template provided in the submission IT tool. If projects use satellite-based, positioning, navigation and/or related timing data and services, beneficiaries must make use of Galileo/EGNOS (other data and services may additionally be used). The use of Copernicus for earth observation is encouraged.

HORIZON-CL3-2021-DRS-01-03: Enhanced assessment of disaster risks, adaptive capabilities and scenario building based on available historical data and projections

DRAFT

- **Expected outcomes:**
  - Innovative exposure and vulnerability analysis methods, including those that take a systemic perspective by integrating sectoral expertise
  - Maximising usability through a service-oriented approach, including through the optimisation and tailoring recommended practices, scientific models and scenarios for the intended users
  - Enhanced exploitation of monitoring data and satellite/remote sensing information as well as artificial intelligence to improve high-level assessment from international to local levels,
  - Evaluation of existing disaster risk and resilience assessment and scenarios (at national and local levels), taking into account historical / geological data, monitoring, risk and forecasting data

HORIZON-CL3-2021-DRS-01-03: Enhanced assessment of disaster risks, adaptive capabilities and scenario building based on available historical data and projections

DRAFT

- **Scope:**
  - Simulation-based risk and impact **assessments**
  - **Evaluation tools for cost-benefit/effectiveness and multi-criteria analyses**, data-farming experiments, serious games
  - Acquisition of data for the identification of precursors for different types of threats
  - Climate extreme events data analysis which take into account the uncertainties brought on by climate change and our state of knowledge of the key processes underpinning the functioning of the Earth system

HORIZON-CL3-2021-DRS-01-04: Developing a prioritisation mechanism for research programming in standardisation related to natural hazards and/or CBRN-E sectors

DRAFT

Specific conditions	
Expected EU contribution per project	The EU estimates that an EU contribution of **around EUR 2.00 million** would allow these outcomes to be addressed appropriately. Nonetheless, this does not preclude submission and selection of a proposal requesting different amounts.
Indicative budget	The total indicative budget for the topic is **EUR 4.00 million.**
Type of Action	**Coordination and Support Actions**
Eligibility conditions	The conditions are described in General Annex B. The following exceptions apply: The following additional eligibility conditions apply: This topic requires the active involvement of: **1. at least 2 National standardisation organisations;** **2. as well as chairs of relevant CEN and/or ISO Technical Committees;** **3. and representatives of scientific stakeholders involved in standardisation-related research and end-users (both practitioners and policy-makers) in the areas of risk management of natural hazards and CBRN-E.** For all the participants above, applicants must fill in the table "Eligibility information about practitioners" in the application form with all the requested information, following the template provided in the submission IT tool.

HORIZON-CL3-2021-DRS-01-04: Developing a prioritisation mechanism for research programming in standardisation related to natural hazards and/or CBRN-E sectors

DRAFT

- **Expected outcomes:**
  - **Building up on existing initiatives**, **development of a consolidated platform** gathering key actors involved **in DRM for natural hazards and/or CBRN-E** to identify on-going standardisation activities, discuss key features related to them, including classification, and prioritise actions (consultation, dissemination, research programming).
  - Setting a **two-steps mechanism** to (1) evaluate standardisation needs, taking into account existing and running activities, and establish priorities in close consultation with key users (policy-makers and practitioners at all levels, including Commission's DGs, national and regional authorities and relevant actors), and (2) take actions relevant to the identified priorities according to their degree of maturity, including research programming in the Disaster-resilient Societies part of the Horizon Europe programme.
  - **Establish a standardisation roadmap at international (ISO) and European (EN)** levels, leading to improved coordination of activities at EU and international levels and cross-fertilisation among different sectors.

HORIZON-CL3-2021-DRS-01-04: Developing a prioritisation mechanism for research programming in standardisation related to natural hazards and/or CBRN-E sectors

DRAFT

- **Scope:**
  - Standardisation needed to **improve the technical, operational and semantic interoperability of command, control and communication systems,** or the interoperability of detection equipment and tools in the areas of CBRN-E
  - To ensure that any standardisation activities where a significant **contribution to improve the disaster resilience** through standardisation (operations and policy making) can be expected are developed in close cooperation with end users and prioritised with them
  - Close **connection with future research programming** and ensure close synergies with standardisation activities on European (e.g. CEN/TC 391) and international level (e.g. ISO/TC 223).

HORIZON-CL3-2021-DRS-01-05: Fast deployed mobile laboratories to enhance situational awareness for pandemics and emerging infectious diseases

DRAFT

Specific conditions	
Expected EU contribution per project	The EU estimates that an EU contribution of around **EUR 6.00 million** would allow these outcomes to be addressed appropriately. Nonetheless, this does not preclude submission and selection of a proposal requesting different amounts.
Indicative budget	The total indicative budget for the topic is **EUR 6.00 million.**
Type of Action	**Innovation Actions**
Eligibility conditions	The conditions are described in General Annex B. The following exceptions apply: The following additional eligibility conditions apply: This topic requires **the active involvement of at least 3 first responders' organisations or agencies and representatives of local or regional authorities in charge of managing sanitary crises from at least 3 different EU Member States or Associated countries**. For these participants, applicants must fill in the table "Eligibility information about practitioners" in the application form with all the requested information, following the template provided in the submission IT tool. If projects use satellite-based, positioning, navigation and/or related timing data and services, beneficiaries must make use of Galileo/EGNOS (other data and services may additionally be used). The use of Copernicus for earth observation is encouraged.
TRL	Activities are expected to achieve **TRL 6-8** by the end of the project – see General Annex B.

HORIZON-CL3-2021-DRS-01-05: Fast deployed mobile laboratories to enhance situational awareness for pandemics and emerging infectious diseases

DRAFT

- **Expected outcomes:**
  - **Inventory and comparison of existing mobile laboratories**, including heavy structures (both military and civilian) and light self-sustained systems, evaluation of quality management systems for maintenance, validation and testing.
  - **New (mobile laboratory) solutions for the fast, reliable and unambiguous detection and identification of infectious agents, diagnostic tests, monitoring and mapping** of contamination and enhanced field data communication to decision-making authorities.
  - **Strategies to orchestrate mobile laboratory capacities in the EU**, and improvements in the management of trained staff in Europe.

HORIZON-CL3-2021-DRS-01-05: Fast deployed mobile laboratories to enhance situational awareness for pandemics and emerging infectious diseases

DRAFT

- **Scope**
  - To bring a **rapidly deployable diagnostic capacity** as close as possible to the crisis area
  - Considering **specific infectious diseases** is of paramount importance as also is the possibility to develop scalable capacities for joint multinational intervention
  - **Prevention, preparedness and post-crisis management**, including networking, regional and international partnership, consolidating, coordinating and optimizing existing capabilities in terms of expertise, training, technical assistance and equipment
  - **Building synergies among existing initiatives** to develop an EU capacity building by strengthening the national and regional capacities and staff training
  - International cooperation with **Japan** recommended

Destination SSRI: Strenghtened Security Research and Innovation

- **Expected Impact:** *"Security threats are more effectively addressed thanks to better cross-cutting knowledge across different areas of security and diverse disciplines, included social sciences & humanities, enhanced implementation of the* ***research & innovation cycle and improved uptake*** *at all levels of society."*

	ACTION TYPE	FUNDING/PROJECT (M€)	TRL	Eligibility conditions
SSRI 01 - Stronger pillars of security Research and Innovation				
HORIZON-CL3-2021-SSRI-01-01: A maturity assessment framework for security technologies	RIA	1,5	N/A	N/A
HORIZON-CL3-2021-SSRI-01-02: Knowledge Networks for Security Research & Innovation	CSA	2	N/A	N/A
HORIZON-CL3-2021-SSRI-01-03: National Contact Points (NCPs) in the field of security and cybersecurity	CSA	2,5	N/A	N/A
SSRI 02 - Increased Innovation uptake				
HORIZON-CL3-2021-SSRI-01-04: Demand-led innovation for situation awareness in civil protection	PCP	6	6-8	3 end-users + 3 public procurers
SSRI 03 - Cross-cutting knowledge and value for common security solutions				
HORIZON-CL3-2021-SSRI-01-05: Societal Impact assessment and impact creation transdisciplinary methods for security research technologies driven by active civil society engagement	RIA	2	N/A	N/A

HORIZON-CL3-2021-SSRI-01-01: A maturity assessment framework for security technologies

DRAFT

Specific conditions	
Expected EU contribution per project	The EU estimates that an EU contribution of **around EUR 1.50 million** would allow these outcomes to be addressed appropriately. Nonetheless, this does not preclude submission and selection of a proposal requesting different amounts.
Indicative budget	The total indicative budget for the topic is **EUR 1.50 million.**
Type of Action	**Research and Innovation Actions**

HORIZON-CL3-2021-SSRI-01-01: A maturity assessment framework for security technologies

DRAFT

- **Expected outcomes:**
  - **Increased literacy** on the value and efficient use of **maturity assessment frameworks to communicate the readiness of technology**, synchronise parallel developments, forecast implementation and support decision making in the planning of investment in the area of security;
  - **Improved cross-disciplinary assessment of the maturity of innovative technologies** based on common harmonised frameworks for the security domain;
  - Comprehensive and timely **updated map of the maturity of the security solutions** developed through EU-funded security research and innovation programmes enabled by widely accessible assessment tools and methods;
  - **Evidence-based programming of security research** built on a more reliable assessment of the state of the art technologies in the field of security.

HORIZON-CL3-2021-SSRI-01-01: A maturity assessment framework for security technologies

DRAFT

- **Scope:**
  - Identify areas that require further work or to **provide input to strategic investment decision making processes.**
  - Development of **a maturity assessment framework** that serves as a reference for the development of civil security technology-based solutions.
  - Cross-disciplinary and combine different readiness scales in an aggregated manner in order to be able **to deliver holistic and quantitative maturity assessments** agglutinating different perspectives (e.g. technological, systemic, societal, etc.).
  - To deliver tools that allow **the guided and/or the self-assessment of the maturity of concrete security solutions** being developed under the frame of EU-funded security research work programmes
  - An extensive **validation process** for the developed assessment tools
  - Explore the options, also from a **business perspective**, for the exploitation of the results beyond the project lifetime

HORIZON-CL3-2021-SSRI-01-02: Knowledge Networks for Security Research & Innovation

DRAFT

Specific conditions	
Expected EU contribution per project	The EU estimates that an EU contribution of **around EUR 2.00 million** would allow these outcomes to be addressed appropriately. Nonetheless, this does not preclude submission and selection of a proposal requesting different amounts.
Indicative budget	The total indicative budget for the topic is **EUR 4.00 million.**
Type of Action	**Coordination and Support Actions**
Eligibility conditions	The conditions are described in General Annex B. The following exceptions apply: The following additional eligibility conditions apply: **1. Each consortium must commit and propose a plan to contribute, every 6 or fewer months, to working groups chaired by the European Commission and/or EU Agencies supporting the identification of security research needs referred to in the topic text;** **2. Each proposal must include a work package to disseminate their findings, including an annual workshop or conference;** **3. Participation as beneficiaries of end-user authorities with a recognised mandate in the areas addressed by the network from at least 3 different EU Member States or Associated Countries is mandatory. For these participants,** 4. applicants must fill in the table "Eligibility information about practitioners" in the application form with all the requested information, following the template provided in the submission IT tool. Some activities, resulting from this topic, may involve using classified background and/or producing of security sensitive results (EUCI and SEN). Please refer to the related provisions in section B Security — EU classified and sensitive information of the General Annexes.

HORIZON-CL3-2021-SSRI-01-02: Knowledge Networks for Security Research & Innovation

DRAFT

- **Expected outcomes:**
  - ✓ Enhanced analytical capacity to support the programming of EU-funded security research and capacity building funds
  - ✓ Aggregated and consolidated view of the capability needs and gaps in the thematic areas; the state-of-the-art technologies, techniques, methods and tools that can contribute to fill the identified capability gaps; outcomes (including on technological, industrial, legal and ethical issues), future trends, lessons learnt and best practices derived from past and current security research effort incurred in the thematic areas under consideration.
  - ✓ More systematic assessment and validation of the outcomes of EU-funded security research projects
  - ✓ Map of opportunities and constraints for the exploitation of EU security research and innovation projects; map of areas requiring standardised solutions and/or certification schemes
  - ✓ Enhanced cooperation between research institutions, smaller private research agencies, security practitioners, SMEs and community representatives
  - ✓ **Continuation and complementarity with the Networks of Practitioners funded under the Horizon2020 SC7**

HORIZON-CL3-2021-SSRI-01-02: Knowledge Networks for Security Research & Innovation

DRAFT

- **Under this call, the applicants are invited to propose networks on the thematic areas of:**
  - **Option A:** Border Security
  - **Option B:** Resilient Infrastructure

HORIZON-CL3-2021-SSRI-01-04: Demand-led innovation for situation awareness in civil protection

DRAFT

Specific conditions	
Expected EU contribution per project	The EU estimates that an EU contribution of **around EUR 6.00 million** would allow these outcomes to be addressed appropriately. Nonetheless, this does not preclude submission and selection of a proposal requesting different amounts.
Indicative budget	The total indicative budget for the topic is **EUR 6.00 million.**
Type of Action	**Pre-commercial Procurement**
Eligibility conditions	The conditions are described in General Annex B. The following exceptions apply: The following additional eligibility conditions apply: **This topic requires the participation of at least 3 relevant end-user organisations and 3 public procurers from 3 different EU Member States or Associated Countries. For these participants, applicants must fill in the table "Eligibility information about practitioners" in the application form with all the requested information, following the template provided in the submission IT tool.** One organisation can have the role of end-user and public procurer simultaneously, both counting for the overall number of organisations required for eligibility. The specific conditions for actions with PCP/PPI procurements in section H of the General Annexes apply to grants funded under this topic.
TRL	Activities are expected to achieve **TRL 6-8** by the end of the project – see General Annex B.

HORIZON-CL3-2021-SSRI-01-04: Demand-led innovation for situation awareness in civil protection

DRAFT

- **Expected outcomes:**
  1. **An identifiable community of EU first responders** with common user/functional needs for innovative technology solutions for situation awareness in the field of civil protection;
  2. Tested and validated capacity of EU technology and industrial base to develop and produce technology prototypes for situation awareness in the field of civil protection that meet the needs of the EU user community;
  3. Improved delineation of the EU market (including demand and supply) **for situation awareness systems in the field of civil protection** that can articulate alternative options for uptake in function of different industrialisation needs, commercialisation needs, acquisition needs, deployment needs and additional funding needs (beyond R&I funding).

HORIZON-CL3-2021-SSRI-01-04: Demand-led innovation for situation awareness in civil protection

DRAFT

- **Scope:**
  - **Launching a Pre-Commercial Procurement action** for the acquisition of R&D services for the development of technology solutions for situation awareness in the field of civil protection
  - **PCP actions as a follow-up of the SAYSO project**, funded under the topic *SEC-02-DRS-2016 - Situational awareness systems to support civil protection preparation and operational decision making*

HORIZON-CL3-2021-SSRI-01-05: Societal Impact assessment and impact creation transdisciplinary methods for security research technologies driven by active civil society engagement

DRAFT

Specific conditions	
Expected EU contribution per project	The EU estimates that an EU contribution of **around EUR 2.00** million would allow these outcomes to be addressed appropriately. Nonetheless, this does not preclude submission and selection of a proposal requesting different amounts.
Indicative budget	The total indicative budget for the topic is **EUR 2.00 million.**
Type of Action	**Research and Innovation Actions**

HORIZON-CL3-2021-SSRI-01-05: Societal Impact assessment and impact creation transdisciplinary methods for security research technologies driven by active civil society engagement

DRAFT

- **Expected outcomes:**
  - Promotion of socially and environmentally sustainable products and services through stronger civil society engagement;
  - Policy-makers, security practitioners and the research community implement security technological solutions and policies that fulfil both societal and legal requirements,
  - State and non-state actors base their decision-making on an assessment of any possible negative societal impacts of security research outputs, including human rights implications and risks of ill-intended use;
  - Security practitioners have: i) Technical solutions that are transparent, privacy-sensitive, open source, friendly and easy to use; ii) necessary skills and knowledge on the use of the new technologies being produced, as well as their impact on the society; iii) broader understanding of the new opportunities offered by technological developments, including accessibility and universal design aspect of technologies which goes beyond the mere response to security challenges to ensure that everyone is included; iv) build upon existing knowledge on lessons learned and best practices, as well as recommendations and good examples of how the EU is using technology to combat risks to security while respecting and promoting fundamental rights.

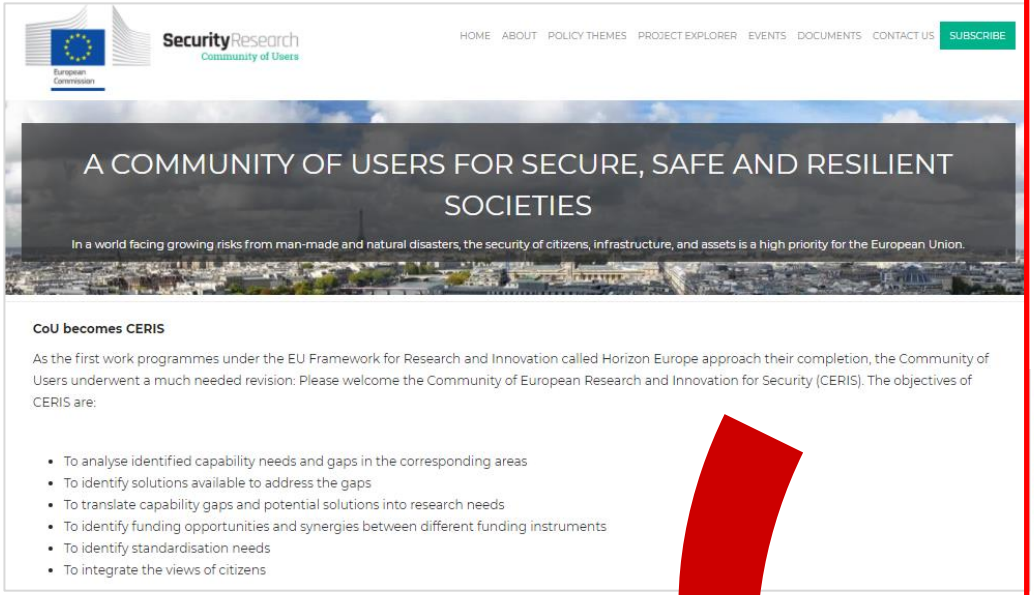
HORIZON-CL3-2021-SSRI-01-05: Societal Impact assessment and impact creation transdisciplinary methods for security research technologies driven by active civil society engagement

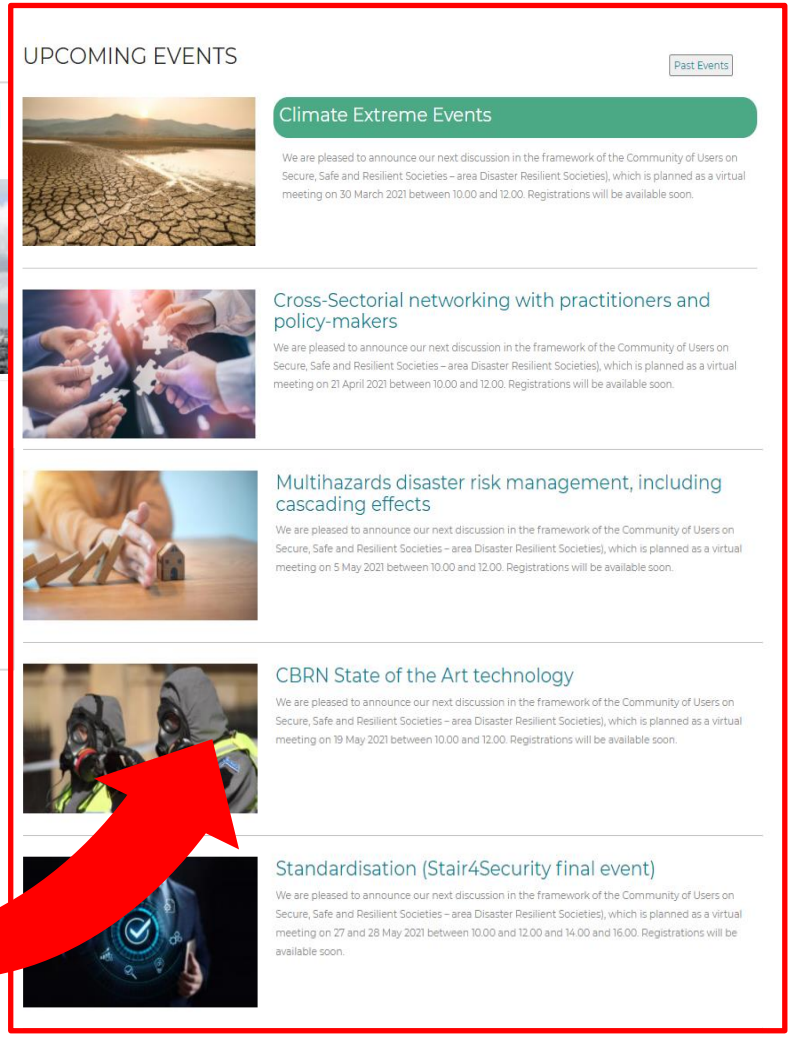
DRAFT

- **Scope:**
  - **A systemic stock of technologies**, including an evidence-based assessment of the number of users in Europe and an evaluation of their impact in past human life disasters or crisis management incidents
  - Societal development plan, improved knowledge of relevant human and societal factors
  - Assessing the impact of security technologies
  - Reduce the impact on privacy, human rights and fundamental freedoms
  - Involvement of security practitioners, system developers, public sector, technology and civil society organisations, communication specialists on security research, researchers and Social Sciences and Humanities Experts

Last but not least…

https://www.securityresearch-cou.eu/home





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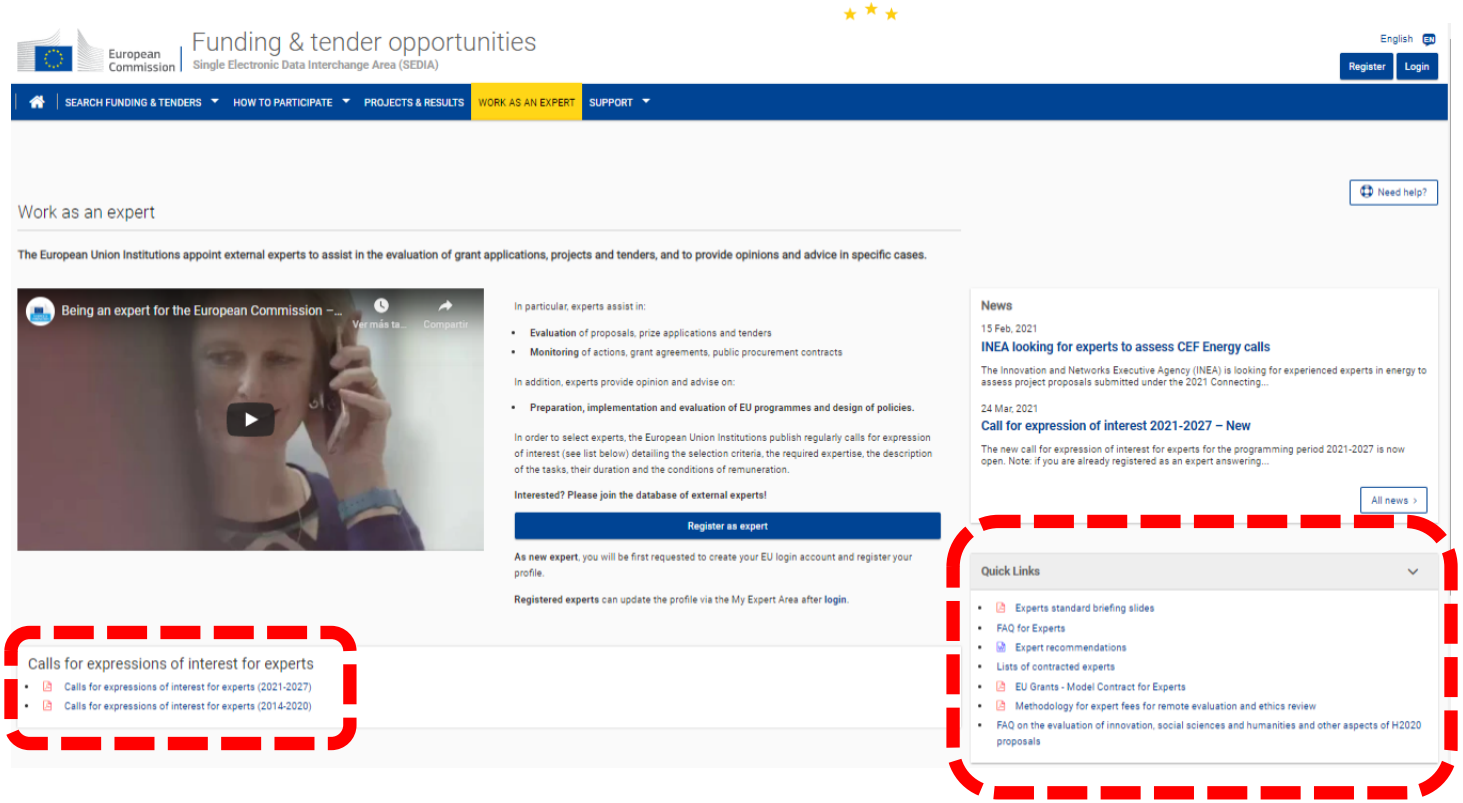

Se buscan diferentes perfiles: Científico-técnicos, business, emprendedores, entidades públicas, gestores de clústers, asociaciones, NGOs…

https://www.europarl.europa.eu/contracts-and-grants/files/list-of-notices/multiannual-calls/391887/en-call-for-expression-of-interest.pdf

Directorate-General for Internal Policies of the Union
Directorate for Economic and Scientific Policies
Policy Department for Economic, Scientific and Quality of Life Policies

European Parliament

Call for Expression of Interest
IP/A/ALL/CEI/2019-050

to compile a list of scientific/academic experts to assist the European Parliament's Artificial Intelligence Observatory (EPAIO)

1. GENERAL INFORMATION, AIMS AND OBJECTIVES

1.1. Artificial Intelligence (AI) is gradually emerging as a general-purpose technology that could have far-reaching effects in several sectors and cause disruptive changes in value chains and transform our lives. The European Parliament as co-legislator and agenda-setter plays a decision-making role in promoting tools that enable growth and competitiveness and quality of life in the EU, while safeguarding fundamental rights. There is therefore a growing need to understand better, to be better aware of the trends and to be at the forefront of the digital transition and its impacts on our citizens and democracy.

The list of experts will be valid until 30 June 2024

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