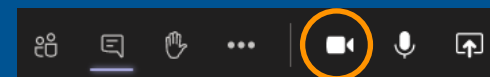


Horizon Europe

Framework programme for research and innovation 2021–2027

Mötesetikett

- Stort möte = alla mikrofoner avstängda
- Under presentationen, ställ dina frågor i chatten. Dessa tas upp vid avsedd tid i agendan av chatt-ansvarig (Erik)
- Chatten används enbart för frågor, ingen diskussion, med hänsyn till den som presenterar
- Vid tekniska problem maila erik.litborn@vinnova.se
- Presentationen kommer att delas via Vinnovas kalendarium
- Vi utvärderar mötet via menti.com: kod 3664 9187 – fyll i efter mötet!



Idag

- Introduktion till Horisont Europa
- Kort om bakomliggande policy för Civil säkerhet för samhället
- Destinationer och fokusområden
- Europeiska Försvarsfonden
- Vägledning och stöd
- Frågestund

Anna.hallden@vinnova.se

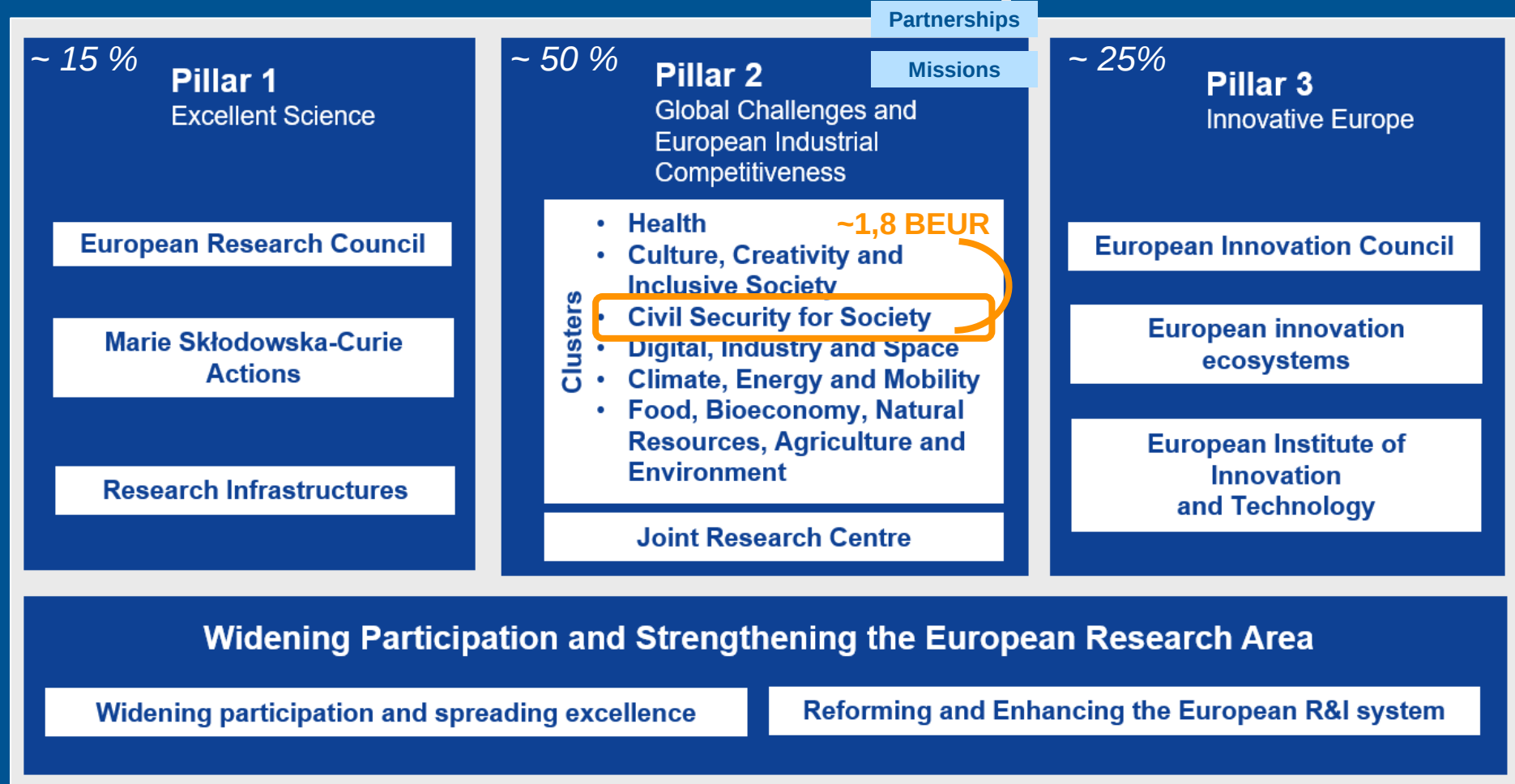
Asa.fritzon@msb.se

Johan.lindberg@vinnova.se

The Horizon framework
programme is a
POLITICAL INSTRUMENT
where research and
innovation are needed to
achieve political priorities



Horizon Europe



95,5 billion euro

Global Challenges and European Industrial Competitiveness

Boosting key technologies and solutions, underpinning
EU policies and Sustainable Development Goals



1. Health



2. Culture,
Creativity and
Inclusive Society



3. Civil Security
for Society



4. Digital, Industry
and Space



5. Climate, Energy
and Mobilty



6. Food, Bioeconomy,
Natural Recources,
Agriculture and
Environment



Joint Research Centre

Main types of projects

Research and innovation actions (RIA)

Innovation actions (IA)

Coordination and support actions (CSA)

Pre-commercial procurement actions (PCP)

Minimum consortium size

- Collaborative projects (incl. RIAs, IAs): 3 independent legal entities, each established in different EU Member States (MS) or Associated Countries (AC), with at least 1 of them established in a MS.
- Coordination & Support Actions: One or more legal entities, which may be established in a MS, AC, or in exceptional cases and if provided for in the specific call conditions, in another third country.

Why participate?

- Development of cutting-edge ideas
- Access to new knowledge and skills
- Strategic partnerships and collaborations
- Access to advanced technologies and methods
- Influence standards, regulations and research policies
- Increased visibility at national, EU & global level
- Solutions to global challenges

A satellite view of Europe at night, showing city lights and the curvature of the Earth against a starry space background. The image is framed by a white border.

Cluster 3

Civil Security for society



- Promoting our European way of life
 - Europe must protect the rule of law if it is to stand up for justice and the EU's core values
- A stronger Europe in the world
 - The EU will strengthen its voice in the world by championing multilateralism and a rules-based global order



https://ec.europa.eu/info/strategy/priorities-2019-2024_en

Policy areas

- A stronger Europe in the world
 - Security and Defence
 - Prevent and manage crises through the development of civilian and military capabilities

- Promoting our European way of life
 - Security Union



3. Cluster aims

- Supporting EU policy priorities
- Meeting capability requirements
- Ensuring ethical outcomes that are supported by society



Cluster 3 – Destinations

1. **Better protect the EU and its citizens against Crime and Terrorism**
2. **Effective management of EU external borders**
3. Protected Infrastructure
4. Increased Cybersecurity
5. **A Disaster-Resilient Society for Europe**
6. **SSRI (Strengthened Security Research and Innovation)**

Destination 1: Fight against crime and terrorism

- Improved prevention, investigation and mitigation of impacts of crime.
- Support Police Authorities and other relevant end-users in better tackling crime and terrorism
- Improved security of public spaces and public safety



Destination 1: Fight against crime and terrorism

Topic	Action	Budget (Meuro)	TRL
Terrorism & other forms of serious crime countered using travel intelligence	IA	5	6-7
Lawful interception using new and emerging technologies (5G & beyond, quantum computing and encryption)	RIA	5	5-6
Disinformation and fake news are combated and trust in the digital world is raised	IA	4	6-7
Improved access to fighting crime and terrorism research data	IA	7	7-8
Modern biometrics used in forensic science and by police	IA	5	6-7
Domestic and sexual violence are prevented and combated (Option A: Domestic Violence, Option B: Sexual Violence)	IA	3	6-7



Destination 1: Fight against crime and terrorism

Title	Action	Budget (meuro)	TRL
Improved preparedness on attacks to public spaces	IA	3	6-7
Fight against trafficking in cultural goods	RIA	5	5-6
Fight against organised environmental crime	IA	5	6-7
Fight against firearms trafficking	IA	7	7-8
Modern biometrics used in forensic science and by police	IA	5	6-7
Prevention of child sexual exploitation	IA	3	



Destination 2: Border management

- Improved security of EU land and air borders, sea borders and maritime environment.
- Improved border crossing experience for travellers and border authorities.
- Improved customs and supply chain security.



Destination 2: Border management

Topic	Action	Budget (Meuro)	TRL
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
Increased safety, security, performance of the European Border and Coast Guard and of European customs authorities	CSA	2,5	
Improved border checks for travel facilitation across external borders and improved experiences for both passengers and border authorities' staff	IA	8	7-8
Advanced detection of threats and illicit goods in postal and express courier flows	RIA	8	4-6
Improved detection of concealed objects on, and within the body of, persons	IA	5	6-7

Destination 5: Disaster Resilient Society

- Enhanced understanding, improved knowledge and situational awareness of disaster-related risks
- Empowerment of citizens to act during disasters
- More efficient cross-sectoral, cross-disciplines, cross-border coordination
- Enhanced sharing of knowledge and coordination regarding standardisation



Destination 5: Disaster Resilient societies

Topic	Action	Budget (Meuro)	TRL
Improved understanding of risk exposure and its public awareness in areas exposed to multi-hazards	RIA	5	6-7
Integrated Disaster Risk Reduction for extreme climate events: from early warning systems to long term adaptation and resilience building	IA	6	5-6
Enhanced assessment of disaster risks, adaptive capabilities and scenario building based on available historical data and projections	RIA	5	4-5
Developing a European partnership to coordinate R&I efforts on risk management of climate-related disasters	CSA	4	7-8
Developing a prioritisation mechanism for research programming in standardisation related to natural hazards and/or CBRN-E sectors	CSA	4	6-7
Fast deployed mobile laboratories to enhance situational awareness for pandemics and emerging infectious diseases	IA	6	6-8



Destination 6: Support to Security Research and Innovation

- A more effective and efficient evidence-based development of EU civil security capabilities
- Increased industrialisation, commercialisation and adoption of outcomes
- R&I-enabled knowledge and value in cross-cutting matters



Destination 6: Strengthened Security Research and Innovation

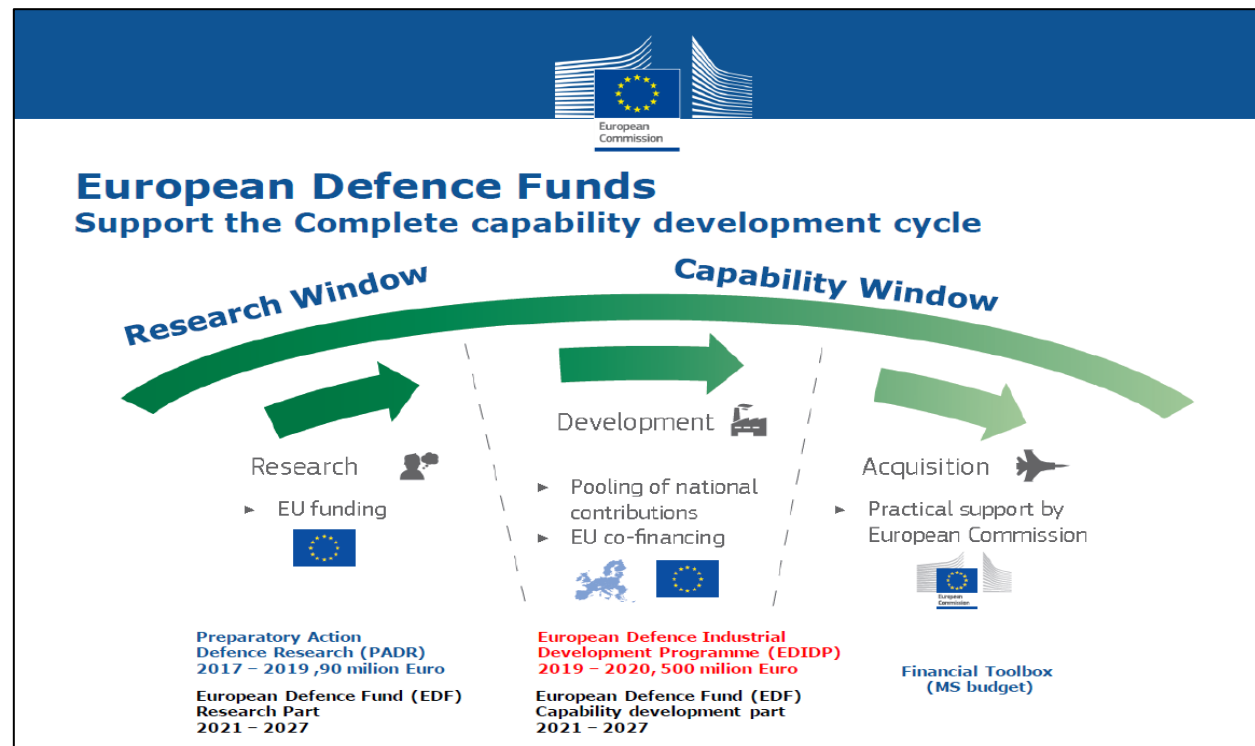
Topic	Action	Budget (Meuro)	TRL
A maturity assessment framework for security technologies	RIA	1,5	6-7
Knowledge Networks for Security Research & Innovation (Option A: Border Security, Option B: Critical Infrastructure Protection)	CSA	2	5-6
National Contact Points (NCPs) in the field of security and cybersecurity	CSA	2,5	4-5
Demand-led innovation for situation awareness in civil protection	PCP	6	6-8
Societal Impact assessment and impact creation transdisciplinary methods for security research technologies driven by active civil society engagement	RIA	2	6-7

Överblick Europeiska försvarsfonden (EDF)

Daniel Johansson, huvudman EDF-kontoret, FMV

Daniel.johansson@fmv.se, edf@fmv.se, 0709-82 61 19





- **Områden:** Forskning (research) och utveckling (capability/development). Forskning motsvarande upplägg som Horisont Europa (HE)
- **Syfte:** Främja utvecklandet av en stark, konkurrenskraftig och innovativ europeisk teknologisk och industriell kunskapsbas inom försvarsområdet, och minska EU:s omvärldsberoende inom försvarsområdet
- **Rättslig grund** (FEUF: art 173(3) m.fl.): Säkerställa att det finns nödvändiga förutsättningar för unionsindustrins konkurrensförmåga
- **Programperiod:** 2021 – 2027
- **Budget:** 7.95 miljarder Euro (2,65 till forskning och 5,3 till utveckling). Cirka 5% av EDF:s budget till disruptiv teknologi, 4% till SMF (arbetsprogram 2021)
- **Deltagande:** Konsortier bestående av minst 3 entiteter inom 3 EU MS/associerat land. Lägre krav inom disruptiva teknologier
- **Status:** Förordning ikraftträder i maj, arbetsprogram EDF 2021 beslutas i juni och projektutlysningar ut i början av juli

Europeiska försvarsfonden (EDF)

Finansiering

- Forskning: 100% av godkända kostnader
- Utveckling: EU-bidrag 20-80 (100)% av godkända kostnader (bonussystem finns). Utveckling kräver därför oftast medfinansiering från MS försvarsmyndigheter (för EDF: generellt Försvarsmakten i Sverige)
- Indirekta kostnader: 25% av godkända kostnader alt. nationell praxis kommunicerad med KOM

Associerade länder

- Endast Norge är associerat land

Deltaganderegler

- Endast entiteter etablerade i MS/associerat land kan finansieras av fonden
- Tredjelandskontrollerade entiteter inom MS/associerat land behöver visa garantier godkända av aktuell MS/associerat land
- Intyg avseende medfinansiering för utvecklingsprojekt m.m. uppvisas (beroende av projekttyp: studie, design etc.)

Immateriella rättigheter (IPR)

- Restriktioner rörande överföring av EDF-genererad IPR till tredjeland
- MS förhandlar till sig IPR i de utvecklingsprojekt som de medfinansierar

Avtal

- Utvecklingsprojekt kräver utöver Grant Agreement (GA), parallella mellanstatliga avtal (MoU), mellan MS som medfinansierar

Exportkontroll

- Inspektionen för strategiska produkter (ISP) ska i förväg godkänna avtal (GA, MoU-avtal) som berörs av exportkontroll

Samverkan EDF och HE

EDF thematic categories of actions

1. Defence medical support, Chemical Biological Radiological Nuclear (CBRN), biotech and human factors
2. Information superiority
3. Advanced passive and active sensors
4. Cyber
5. Space
6. Digital transformation
7. Materials and components
8. Energy resilience and environmental transition
9. Air combat
10. Air and missile defence
11. Ground combat
12. Force protection and mobility
13. Naval combat
14. Underwater warfare
15. Simulation and training

EDF non thematic categories of actions

16. Disruptive technologies
17. Open calls for innovative and future-oriented defence solutions



- Ovan bild till vänster visar kategorier inom EDF:s utkast till arbetsprogram, till höger HE-strukturen
- Arbetsprogrammen innehåller överlappande teknologier. Enklare att identifiera synergier mellan EDF och HE på forskningssidan
- Svårt med exakta exempel i nuläget, då EDF:s arbetsprogram inte är beslutat
- Vinnova och FMV samverkar i EDF- och HE-frågor (informationsspridning m.m.)

EDF-lansering 18 juni 2021 (13.00-16.30)

[Nyhet på FMV:s hemsida: Stöd till innovation och försvarsförmåga \(fmv.se\)](https://www.fmv.se/aktuellt--press/aktuella-handelser/stod-till-innovation-och-forsvarsformaga/)

Digitalt event, öppen lansering, mer info kommer, välkomna att delta!

- Välkommen
- European Commission views on EDF
- Varför delta i EDF, svenskt perspektiv
- Vägen framåt
- Avslutning

För mer info om EDF, kontakta nationella EDF-koordineringskontoret på FMV: edf@fmv.se

Besök <https://www.fmv.se/internationellt/europeiska-forsvarsfonden/>

<https://www.fmv.se/aktuellt--press/aktuella-handelser/stod-till-innovation-och-forsvarsformaga/>

Stöd till innovation och försvarsförmåga

FMV bjuder in till ett digitalt informationsmöte den 18 juni kring den europeiska försvarsfonden, EDF. EDF omfattar forsknings- och teknikutvecklingsprojekt finansierade med EU-medel och avser att förbättra innovationskapaciteten hos europeiska företag, lärosäten och institut, stärka försvarsförmåga och europeiskt samarbete.

Nu finns möjligheter för svenska företag, lärosäten samt institut att vara med och driva forsknings- och teknikutvecklingsprojekt inom försvarsområdet finansierade med EU-medel.

Bakgrunden är att den europeiska försvarsfonden, EDF, för perioden 2021 – 2027, verkar för att stödja konkurrenskraften och innovationskapaciteten för bland annat företag inom EU.

Programmet innebär bland annat möjligheter för Sverige att få externa finansiella medel för att genomföra europeiska forsknings- och utvecklingsprojekt och att dela på utvecklingskostnader. Det sker i samarbete med andra EU-länder och deras företag med flera.

Den 18 juni bjuder FMV in till ett digitalt lanseringsmöte där deltagarna får lyssna till svenska myndigheters och EU-kommissionens syn på EDF och hur svensk försvarsförmåga, kompetens och konkurrensförmåga kan stärkas genom att delta i strategiska EU-projekt inom försvarsområdet.



Frågor!

Short break

menti.com, code 3664 9187

Guidance and support

Message to convey

1

Look at relevant
EU-policy

2

Social context and
human factors are
important

3

Don't neglect End-
user, Practitioner
and Citizen
engagement

Security & Social Sciences and Humanities (SSH)

“.... this topic requires the effective contribution of Social Science and Humanities (SSH) disciplines and the involvement of SSH experts, institutions as well as the inclusion of relevant SSH expertise, in order to produce meaningful and significant effects enhancing the societal impact of the related research activities.”

“..... full involvement of citizens and civil society organisations is crucial to achieve solutions that meet the requirement of having a balanced approach between security and openness of public spaces.”

“Social innovation is recommended when the solution is at the socio-technical interface and requires social change, new social practices, social ownership or market uptake.”

End-user and Practitioner involvement

“This topic requires the active involvement of at least 2 Police Authorities and at least 2 First Responder organisations... For these participants, applicants must fill in the table “Eligibility information about practitioners”

“End-users should be involved in all steps of the cycle from design to development and testing. “

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

“Cooperate with the Networks of Practitioners projects funded under H2020”

”

Practitioner: someone who is qualified or registered to practice a particular occupation, profession in the field of security or civil protection.

End-user involvement

There are different kinds of end-user

There are different ways of involving end-users

Be clear about meaning of commitment

Key impact pathways

1. Creating high-quality new knowledge
2. Strengthening human capital in R&I
3. Fostering diffusion of knowledge and Open Science

**Scientific
Impact**



4. Addressing EU policy priorities & global challenges through R&I
5. Delivering benefits & impact via R&I missions
6. Strengthening the uptake of R&I in society

**Societal
Impact**



7. Generating innovation-based growth
8. Creating more and better jobs
9. Leveraging investments in R&I

**Economic/
Technological
Impact**



Proposal Template

- Assessment of management structures removed
- Extensive explanations in template
- Fields moved from part B (narrative part) to part A (formalities)
 - Ethics self-assessment
 - Security questionnaire
- New fields in part A
 - Self-declaration on gender equality plan
 - Role of participating organisation
 - Researchers table

Work programme

- Destinations
 - Call areas
 - Topics
 - Specific conditions
 - Expected Outcomes
 - Scope
 - Other Actions

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

Specific conditions

<i>Expected EU contribution per project</i>	The EU estimates that an EU contribution of around EUR 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.
<i>Indicative budget</i>	The total indicative budget for the topic is EUR 16.00 million. ¹⁶
<i>Type of Action</i>	Innovation Actions
<i>Eligibility conditions</i>	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 Police Authorities¹⁷ 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

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

Scope: Combating disinformation and fake news with implications for security is an important aspect where modern information analysis is needed. Bots are increasingly used to manipulate the public opinion and spread fake news on the internet. Causing a mass panic by spreading fake news is one example. Dimensions of this problem increase even more in crisis situations, such as the COVID-19 lockdown, where spreading disinformation and fake news, by infusing uncertainty and fear, aims at harming people’s life, intensifying the crisis situations, weakening the European societies and aggravating the divisions. This topic asks for an interdisciplinary approach based both on societal capabilities to withstand such a threat (e.g., education on trustable sources of information, research on the impact of uncertainties


European Commission | **Funding & tender opportunities**
 Single Electronic Data Interchange Area (SEDIA)

English 
 Register Login

Home SEARCH FUNDING & TENDERS HOW TO PARTICIPATE PROJECTS & RESULTS WORK AS AN EXPERT SUPPORT

Horizon Europe (HORIZON) clear filter

SEARCH FUNDING & TENDERS

Search funding & tenders
 Funding updates
 Archived funding (FP7-CIP)

Funding & Tenders

- Programme
- Call
- Open or closed

Funding Updates

- Programme
- Key words

HOW TO PARTICIPATE

Key steps

- Reference documents
- Participant register
- Partner search

Key Steps

Finding a call to submitting a proposal

Ref Documents

- Legislation
- Work Programmes
- Call docs
- Grant Agreements
- Contracts
- Guidance's
- Templates and Forms

Partner Search

Searchable by:

- Org type
- Org name
- Country
- PIC No.
- Topic
- etc

Projects & Results

Programming period

2021-2027

Horizon Europe (HORIZON)

Projects & Results

- Searchable database
- Not open yet

Work as an expert

Register as an expert

Associated links

Work as an Expert

- Register as an expert
- Associated links

SUPPORT

Support overview

Guidance & Manuals

FAQ

Helpdesk & Support Services

Guidance & Manuals

- Ref docs
- Online manual
- How to steps
- Glossary

Helpdesk & Support

Services

- IT Helpdesk
- Europe Direct
- Validation Services

**GO EXPLORE!!
WEALTH OF
INFORMATION**

NCP?



National EU-node

NCP

National contact points



- Answers questions on Horizon Europe
- Helps to find matching calls and topics
- Legal and financial advice
- Spreads information
- Strategic advice

Information from SE system to EC
via NCP networks, experts and PC

Save the dates for Info days and brokerage event

**Civil Security for Society Info Day, Brokerage Event
and training for stakeholders, 8-9th June 2021**

SMI2G Event 2021 – 31st May & 1st June 2021
<https://smi2g-event.b2match.io/>

WP draft cluster 3

How to prepare a successful proposal in Horizon Europe

Användbara länkar

Information om programmet

[Vinnovas webbplats om Horisont Europa](#) – information om programmet och kontakt

[Kraftsamling för Horisont Europa](#) – förslag till nationell strategi för ett starkare svenskt deltagande

[Funding and Tenders](#) – EU-kommissionens (EC) portal för utlysningar, topics och ansökan

[Horisont Europa](#) – övergripande information om programmet från EC

[Missions](#) – ECs information om Missions

[Partnerships](#) - ECs information om europeiska partnerskap med kontaktuppgifter

[Reference Documents](#) – regelverk, mallar, guider etc.

[Dashboard](#) – Horisont 2020-databas för statistik och beviljade project

[WP draft cluster 3](#) – utkast till arbetsprogram för Kluster 3 (OBS – ändringar kan ske)

Att skriva en ansökan

[How to prepare a successful proposal in Horizon Europe](#) – inspelat webinarie anordnat av EC

Verktyg för nätverkande och stöd

[EUSME](#) – svenskt supportkontor för små och medelstora företag

[EEN Match](#)

Fördjupad information om policy

[European Green Deal](#)

[A Clean Planet for All](#)

[Europe Fit for the Digital Age](#)

Please fill in our evaluation form:

menti.com, code 3664 9187

Frågor!

Tack!