

HORIZON EUROPE AND CLUSTER 3 NOVELTIES



eNewsletter

JUNE 2023



FUNDING
INFORMATION



NEWS AND
EVENTS



RELEVANT
INITIATIVES



SUCCESS STORIES
AND MORE



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CONTENT:

- WHICH INFORMATION ARE THE MOST IMPORTANT IN CL3?
- WHICH MESSAGES ARE IMPORTANT?
- MAY I PARTICIPATE IN SOME RELEVANT INITIATIVES?
- SUCCESS STORY
- DO I KNOW WHICH WEB PAGE IS USEFUL?

SOME WORDS IN THE BEGINNING OF OUR 2-ND EDITION OF THE SEREN5 NL:

SEREN5 with all Cluster 3 National Contact Points would like to invite you to the upcoming important event: HORIZON EUROPE CLUSTER 3 INFO DAY AND BROKERAGE EVENT 2023 and we hope you will like this edition to read.

The event is organised by the Network of Security National Contact Points – SEREN5, in close cooperation with the European Commission’s Directorate-General Migration and Home Affairs and the European Research Executive Agency.

The Info Day will include:

- Details of the 2023 calls for proposals in Cluster 3
- Pitch session: offering an opportunity to present your project idea to potential partners
- Training and information for stakeholders, which includes:

Which services will offered by SEREN5?

- to assist and support individuals and organisations interested in participating in Cluster 3 projects
- SEREN5 initiatives that aim to support the EU’s Commitment in improving participation of Widening Countries
- Guidance on how to better prepare for writing your proposal, and what key points to consider when constructing your proposal.
- Methodologies for building a consortium and advice on how to proactively ‘get involved’ with a get involved with a consortium.



HORIZON EUROPE CLUSTER 3 INFO-DAY AND BROKERAGE EVENT

The Horizon Europe Cluster 3 Info Day and Brokerage event will take place on 27-28 June 2023 in the form of hybrid event: both in Brussels and streamed on line.

Network of Security National Contact Points – SEREN5, organised the event in close cooperation with the European Commission’s Directorate-General Migration and Home Affairs and the European Research Executive Agency.

The Info Day will highlight research topics covered within the 2023 calls for proposals in Cluster 3. Participants will also have the possibility to find new partners thanks to the Brokerage event organized for 28th of June and to present their project ideas during the Pitch session on the same day. Furthermore, SEREN5 organizes a Training for Stakeholders on the „Proposal Preparation and How do build a Consortium“.

The Horizon Europe „Civil Security for Society“ calls offer research and innovation funding opportunities to research institutions, universities, industries, SMEs, civil society organizations and other security stakeholders.

Detailed info and Registration you can find here:
cluster3-infoday-brokerage-event.b2match.io/

Save the date for event INFO DAY CL3 co- organised by SEREN5 !
https://www.seren-project.eu/?page_id=414

SEREN5 – Pitch presentation – 28.6.2023!
<https://cluster3-infoday-brokerage-event.b2match.io/page-871>

SEREN5 – Training for stakeholders – 28.6.2023!



WHICH INFORMATION ARE THE MOST IMPORTANT IN CL3?

In this, section of some useful information about long expected calls ...

CALLS IN CLUSTER 3 – CIVIL SECURITY FOR SOCIETY!

European Commission adopted an amendment to the main Horizon Europe Work Programme 2023-2024. This amendment regards also the Cluster 3 specific Work Programme, where you can find new possibilities to develop your knowledge, technologies and solutions. Anyway, do not forget that you need to involve practitioner and end-users alongside researchers and industry. In the new Work Programme, you can find also synergies with other funding instruments with the aim to accelerates market uptake of successful research and innovation actions.

Opening: 29 June 2023

Deadline for submissions: 23 November 2023

Below you can find a list of selected topics from the work program 2023 – 2024 for Cluster 3 in which for 2023 Calls, but whole [document is available](#).

Which topics can I find for 2023 Calls?

Call - Fighting Crime and Terrorism (FCT)			
FCT-01-01	Processing of large, complex and unstructured datasets resulting from criminal investigations, while reconciling big data analysis and data protection	IA	-
FCT-01-02	A harmonized European forensics approach on drugs analysis	IA	-
FCT-01-03	New methods and technologies in service of community policing and transferable best practices	RIA	-
FCT-01-04	Open topic	RIA	-
FCT-01-05	Crime as a service	RIA	-
FCT-01-06	Enhancing tools and capabilities to fight advanced forms of cyber threats and cyber-dependent crimes	RIA	-
Call - Border Management (BM)			
BM-01-01	Capabilities for border surveillance and situational awareness	IA	Lump sum
BM-01-02	Identify, inspect, neutralise Unexploded Ordnance (UXO) at sea	RIA	Lump sum
BM-01-03	Beyond the state-of-the-art "biometrics on the move" for border checks	RIA	Lump sum
BM-01-04	Interoperability of systems and equipment at tactical level; between equipment and databases; and/or between databases of threats and materials	IA	Lump sum
Call - Resilient Infrastructure (INFRA)			
INFRA-01-01	Facilitating strategic cooperation to ensure the provision of essential services	IA	Lump sum
INFRA-01-02	Supporting operators against cyber and non-cyber threats to reinforce the resilience of critical infrastructures	IA	Lump sum
Call - Increased Cybersecurity (CS)			
CS-01-01	Secure Computing Continuum (IoT, Edge, Cloud, Dataspaces)	IA	-
CS-01-02	Privacy-preserving and identity management technologies	IA	Lump sum
CS-01-03	Security of robust AI systems	RIA	-
Call - Disaster-Resilient Society (DRS)			
DRS-01-01	Improving social and societal preparedness for disaster response and health emergencies	RIA	-
DRS-01-02	Design of crisis prevention and preparedness actions in case of digital breakdown (internet, electricity etc.),	RIA	-
DRS-01-03	Operability and standardisation in response to biological toxin incidents	RIA	--
DRS-01-04	Internationally coordinated networking of training centres for the validation and testing of CBRN-E tools and technologies in case of incidents, with consideration of human factors	IA	-
DRS-01-05	Robotics: Autonomous or semi-autonomous UGV systems to supplement skills for use in hazardous environments	RIA	-
DRS-01-06	Increased technology solutions, institutional coordination and decision-support systems for first responders of last-kilometer emergency service delivery	RIA	-
Call - Support to Security Research and Innovation (SSRI)			
SSRI-01-01	Open grounds for pre-commercial procurement of innovative security technologies	CSA	--
SSRI-01-02	Accelerating uptake through open proposals for advanced SME innovation	IA	-

Total: 23 topics in 6 Calls

Anyway, applicants need to be careful in consortium partner's composition about this issue and for more background information on the integration of Social Sciences and Humanities in Horizon Europe see at <https://horizoneuropencppportal.eu/ncp-networks/cluster-2/ssh-integration-horizon-europe>.

WHAT WE SHOULD TO KNOW NEXT?

RIA? IA? CSA?

What are the main types of the projects?

RIA - Research and innovation action (RIA) that establishes new knowledge or explores a new or improved technology, product, process, service or solution. The EU funding covers up to 100% of the project costs.

IA - Innovation action (IA) that produces plans or designs for new or improved products, processes or services including prototyping, testing, demonstrating, piloting, large-scale product validation and market replication. The EU funding covers up to 70% of the project costs.

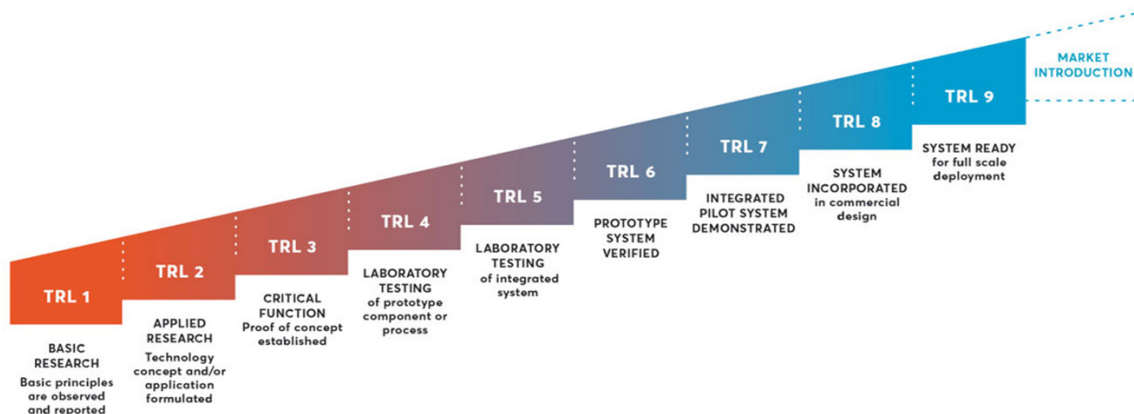
CSA - Coordination and support action (CSA) that improve cooperation among EU and associated countries to strengthen the European Research Area including, for example, standardisation, dissemination, awareness - raising, communication and networking activities, policy dialogues, mutual learning or studies. The EU funding covers up to 100% of the project costs.

The difference between IA and RIA is primarily the Technology Readiness Level (TRL) at which the call is target. An RIA is expected to have an outcome with TRL 2 to 6, while an IA is intended for higher TRLs between 6 and 8.

TRL

What is TRL?

The TRL levels are: TRL 1- basic principles observed, TRL 2 -technology concept formulated, TRL 3-experimental proof of concept, TRL 4- technology validated in lab, TRL 5-technology validated in relevant environment, TRL 6-technology demonstrated in relevant environment, TRL 7-system prototype demonstration in operational environment; TRL 8-system complete and qualified, TRL 9-actual system proven in operational environment.



All Applicant have to take attention on how to reach the right TRL level per topics!

LUMP SUM

Why do we need Lump sum?

Horizon Europe uses lump sum funding to reduce administration and financial errors. Lump sums make the programme simpler by removing the need to report actual costs. Access to the programme becomes easier too, especially for small organisations and newcomers, who often lack the experience and capacity to cope with the complex rules for actual costs.

In practise, it does mean that no changes in project design, except that work packages with a long duration may splint along the reporting periods. In this way, the relevant activities can be pay at the end of the reporting period.

Comprehensive information on [lump sum funding in Horizon Europe](https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/programmes/horizon/lump-sum/guidance) available on Funding & Tenders Portal and about the more flexibility in Lump sum funding you can find also here:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/programmes/horizon/lump-sum/guidance>

HORIZON EUROPE WIDENING

– WHO SHOULD APPLY AND HOW IT LOOKS LIKE?

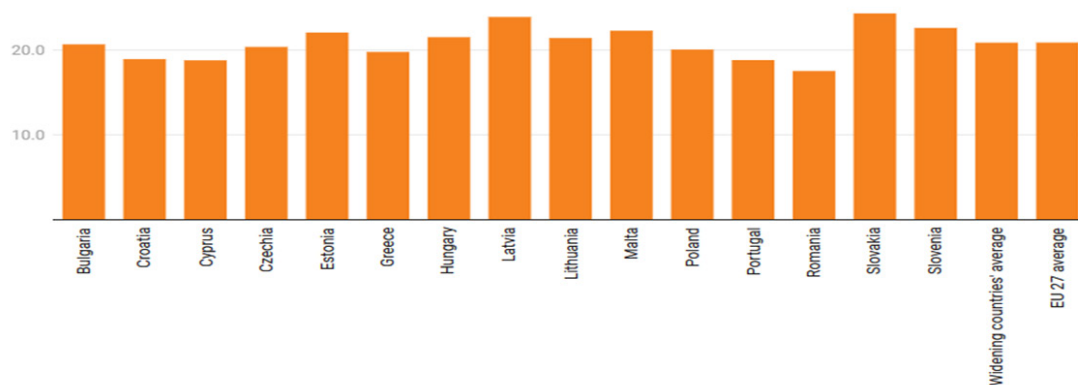
All organisations eligible in Horizon Europe can participate in widening actions but only organisation based in Widening countries can participate as coordinators. Widening countries are countries with low participation rates in FP7 and H2020 projects. For each specific call, applicants should check the eligibility conditions mentioned in the Work Programme and the related Calls.

Widening countries: Bulgaria, Croatia, Cyprus, Czech Republic, Estonia, Greece, Hungary, Latvia, Lithuania, Malta, Poland, Portugal, Romania, Slovakia, Slovenia.

For more information visit:

https://rea.ec.europa.eu/horizon-europe-widening-who-should-apply_en

Proposal success rate Widening countries Horizon Europe: 2020 - 2022 (%)



Source: European Commission - Get the data - Created with Datawrapper

As the table above shows, the average success rate of Widening countries in obtaining funding through Horizon Europe is about equal to the EU 27 average, at just over 20%.

So we wish to all widening countries the improved rate and success under Horizon Europe!



WHICH NEWS AND EVENT ARE RELEVANT?

SMI2G - THE SECURITY MISSION AND INFORMATION GROUP Brokerage Event in Paris 10-11 May 2023

Very successful event SMI2G of the last days is the past!

400 participants gathered for two days to create partnerships and find solutions to the problems facing Europe in terms of Civil security: fire, crime, cybersecurity, infrastructure, disaster – Great!

“It was a real pleasure to co-organize and chair the [SMI2G23](#) event! For the first time not in Brussels, but in Paris at the beautiful [CampusCondorcet](#). We had an interesting program with keynote speeches, panel discussions and pitch presentations related to all destinations of the [HEU CL3 Civil Security for Society work programme](#)”, remark from organiser Marcel van Berlo (TNO/EARTO)

“It was very successful. We saw a high number of pitches with good project concepts, valuable panel discussions, notable keynote presentations and a lot of networking during the breaks, We have made the presentations available. You can download them [here](#)”. remark from **Sjirk Meijer**, organiser, Crisis Management Innovation Network Europe.

“SEREN Network presence in the organizational team of SMI2G is a “must” and it was really a pleasure for me having the opportunity to contribute as project coordinator of SEREN5 to this important event. I hope participants benefited from it and from the opportunities presented during the key sessions (SEREN5 included, of course). It was very successful and I hope next year will be even better” said Flavia La Colla from SEREN5

The SMI2G23 brokerage event was organized by the [EARTO](#) Working Group Security and Defence research, the Ministère de l’Enseignement Supérieur et de la Recherche ([MESRI](#)), [SEREN5](#), [EOS](#), [IMGS](#) [ECSO](#), [CMINE](#) and powered by [ENLETS](#). The event was furthermore supported by [CYCLOPES](#), [ENCRYPT](#), [EUCIP](#), [ForAn](#), [INDEED](#), [MEDEA](#), [NOTIONES](#).

Thank all participants for again a successful [SMI2G](#) brokerage event!

better protected, connected and situationally aware, with enhanced operational capacity



SERENS5 NCPs during networking discussion

Milipol 2023 – Paris, 14-17 November 2023

Milipol Paris is the leading event dedicated to homeland security and safety. Over 30,000 visitors and 1,000 exhibitors are expected for the 23rd edition, which will be held on 14-17 November 2023 at Paris-Nord Villepinte Exhibition Centre.

The event is organized every two years under the auspices of the French Ministry of Interior in partnership with several governmental bodies. Its first edition has been held in 1984, a time when the information systems were in their infancy; when the video surveillance just began to emerge and when the RAID (French elite special forces) wasn't created yet (only a year after)!

For almost 40 years, Milipol Paris has enjoyed a worldwide status as the leading event dedicated to the security profession. It provides the perfect forum for presenting the latest technological innovations in the area, effectively meeting the needs of the sector as a whole and addressing current threats and dangers.

Further information here: [Milipol Paris | L'Événement mondial sûreté et sécurité intérieure des États](#)

Success stories in Security



RESCUER - “first RESponder-Centered support toolkit for operating in adverse and infrastructure-less Environments”

RESCUER aims to design and develop a First-Responder-centered technology toolkit that will empower the next generation of First Responders (FR) by enhancing their operational capacity and safety, specifically in adverse conditions, both environmental and infrastructure-wise.

Adopting the “HERO” (enHanced nEw eRa first respOnder) concept, RESCUER is developing a toolkit offering:

- Sense augmentation (robust vision modules for cancelling of adverse weather and environmental conditions, exploiting the benefits of Artificial Intelligence and Deep Learning).
- Precise and infrastructure-less self-positioning (Visual ability to accurately identify FR's location at any type of environment including commercial or residential buildings and underground places, like mines, subway systems, caves etc., in real time).

- Cognitive support and multi-sense AR interfaces (specialized health monitoring systems able to keep track of FR's vital signs and constantly assess their cognitive state to prevent risky behaviors and always operate in optimal psychophysical conditions).
- Robust ad-hoc intra-team communications for both verbal and data exchanges (ad hoc communication network – the exchange of data and interaction between modules of the AR, assuming that no communications infrastructure exists).

RESCUER also plans to introduce the capability of extracting environment information “in situ and infrastructure-wise.

The ultimate goal of RESCUER is to introduce the next generation of FRs, who will be better protected, connected and situationally aware, with enhanced operational capacity and able to efficiently operate in infrastructure-less environments without power and communications network.

June 2024 is the expected end of the project (duration of 36 months). Tools for augmenting senses, self-localization, cognitive load balancing and situational awareness are selected and developed for the second round of testing. Tailored training is almost ready for use.

Pre-pilot session has completed in different adverse conditions (snow and frost in more than 2300 m above the sea level, abandoned military bunker, tunnel including dark and smoke) within the premises of Modane's (Savoy) fire and rescue service on the beginning of April 2023.

Currently, RESCUER project reached its “maturation phase”. Core development is going to be refined and tune for validation by FR's and via the three different and separated pilots. Further information here: <https://rescuerproject.eu/>



Survey on the barriers limiting the participation of newcomers in Security research projects

- Do you want to participate in the Horizon Europe Security research programme?
- Don't have enough information or courage to participate?
- Are there any barriers that may be stopping you from the project proposal preparation?
- Please take a few minutes to fill out our survey. We focus on barriers to your participation and the specific support you need from us.
- The survey is organized by the SEREN5 network of national contact points. It is anonymous.
- For more information visit: <https://www.seren-project.eu/?p=250>

Survey link:

<https://ec.europa.eu/eusurvey/runner/SEREN5-WideningApplicantsBarriersAndNeeds>



Do I know which web page is useful?



Visit SEREN5 website and Funding and Tenders Portal to get relevant information.

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For more information: seren5@apre.it