



HORIZON EUROPE

THE EU RESEARCH & INNOVATION PROGRAMME

2021 – 2027

12 June 2024

Strengthened Security R& SSRI



Research and
Innovation

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HE CLUSTER 3: Civil Security for Society

- A work programme structured in 6 destinations



Capability-based approach
End-User oriented
Synergies and market creation
Societal dimension

Strengthened Security R&I (SSRI)

- EU investment for the development of capabilities supporting policy priorities
 - Innovation can be decisive: modernisation / effectiveness / efficiency
 - **Uptake of innovation remains a challenge**

Hindering & Enabling factors*

- | | |
|------------------------------------------------------|------------------------------------------------|
| ● Protection and clarity of IP rights | ● Funding mechanisms |
| ● Quality of information flows & sharing | ● Communication & dissemination of information |
| ● Market fragmentation | ● Procurement mechanisms |
| ● Insufficient output maturity for uptake | ● End-user involvement |
| ● Lack of foresight & evolving end user requirements | ● Partnerships & collaboration |
| ● Challenges associated with public acceptance | ● Testing & demonstrations |
| ● Challenges of an institutional market | |

*Findings from the Study on Factors Influencing the Uptake of EU-Funded Security Research Outcomes



Create a favourable environment to generate specific knowledge



Foster a structured dialogue and coordinated action among market actors;



Exploit catalysts of uptake



Conduct cross-cutting security research.

SSRI Destination

Stronger pillars of security Research and Innovation

- A more effective and efficient **evidence-based** development of EU civil security capabilities built on a stronger, more **systematic** and **analysis-intensive** security R&I **cycle**

Increased Innovation uptake of security R&I outcomes

- **Increased industrialisation, commercialisation, adoption and deployment** of successful outcomes of security research reinforces the competitiveness and resilience of EU security technology and industrial base

Cross-cutting knowledge for common security solutions

- **R&I-enabled knowledge and value in cross-cutting matters** reduces sector specific bias and breaks thematic silos that impede the proliferation of common security solutions

SSRI Destination

STRENGTHENED
SECURITY R&I



Topics	Type of Action	Budgets (EUR million)	Expected EU contribution per project (EUR million)	Number of projects expected to be funded
		2024		
Opening: 27 Jun 2024				
Deadline(s): 20 Nov 2024				
HORIZON-CL3-2024-SSRI-01-01	PCP	10,5	5.25	2
HORIZON-CL3-2024-SSRI-01-02	IA	6	1.5	4
Overall indicative budget		16.50		

2024-SSRI-01-01: Demand-led innovation through public procurement

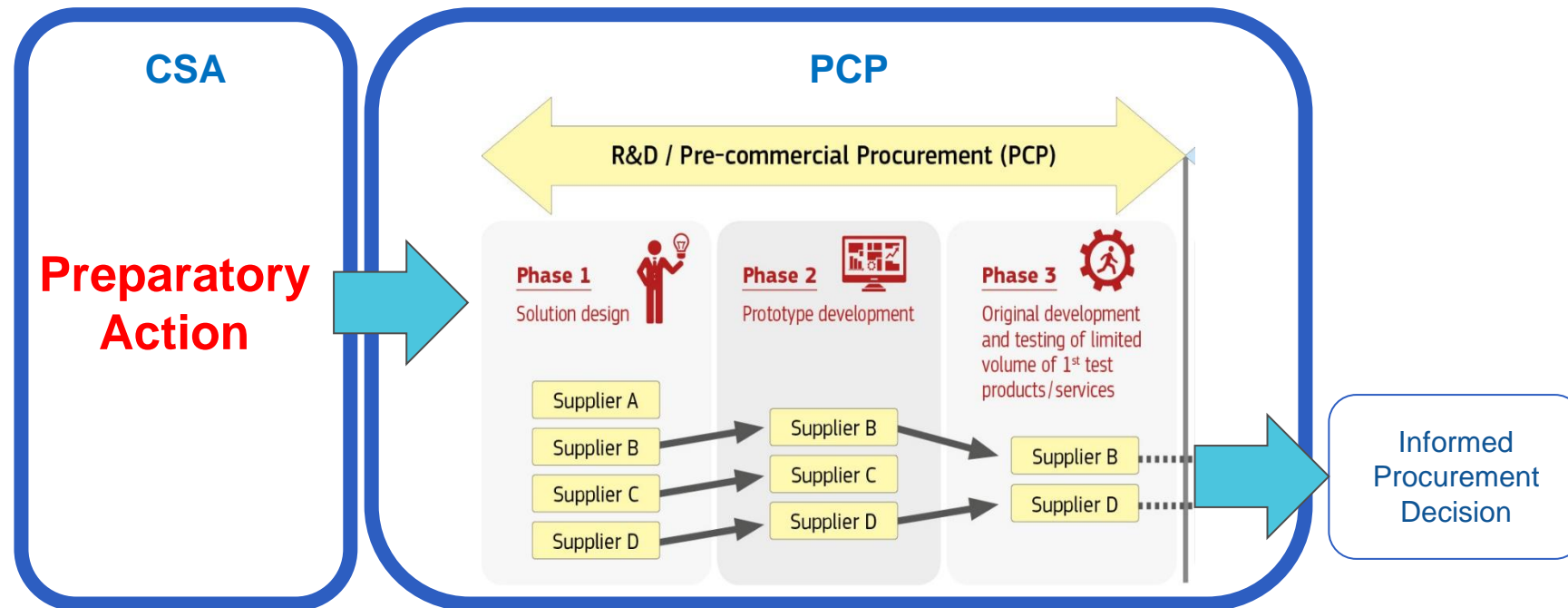
Topics	Type of Action	Budgets (EUR million)	Expected EU contribution per project (EUR million)	Number of projects expected to be funded
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HORIZON-CL3-2024-SSRI-01-01	PCP	10.5	5.25	2

Expected Outcomes:

- An identifiable community of EU civil security authorities with common user/functional needs for innovative technology solutions;
- Tested and validated capacity of EU technology and industrial base to develop and produce technology prototypes that meet the needs of the EU user community;
- Improved delineation of the EU market (including demand and supply) for innovative civil security systems 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).

Pre-Commercial Procurement (PCP)

- PCP projects contribute to overcoming barriers to innovation uptake in civil security
- A two-stage approach for the implementation of PCP for security



- Proposals that provide clear evidence on a number of aspects and justify / de-risk the future PCP action → **are invited to apply for a PCP.** (e.g. include the Open Market Consultation in at least 3 MS).

The (theoretical) Benefits of PCP:

Suppliers

- **Access to new/small players**
- Shorter Time to market
- Faster company growth
- Attract investors

- **Shared risks & benefits**
- Economies of scale
- **First customers**

- **Shape product development to public needs**
- Increase technology knowledge
- Reduce risk in commercial tendering
- **Reduce supplier lock-in**

- **New cross-border markets**
- Increased export
- Global competitiveness

Win-win-Win!!

Procurers

- Usage / Licensing rights
- **'First time right' product**
- 'EU interoperable'
- **Reduce unforeseen expenditure**

Policy makers

- **Implement political priorities**
- Modernize public services
- **Improve innovation ecosystem**
- Attract (controlled) foreign investment
- Create growth and jobs

- Better Quality / Price
- **Lower risk of modernization**

2024-SSRI-01-01: Demand-led innovation through public procurement

- CSA -> Pre-Commercial Procurement action.
- Oriented to the acquisition of R&D services for the development of innovative technologies, systems, tools or techniques to enhance border security, to fight against crime and terrorism, to protect infrastructure and public spaces, and/or to make societies more resilient against natural or human-made disasters.

This topic requires the participation, as beneficiaries, of at least 3 end-user organisations and 3 public procurers from 3 different EU Member States or Associated Countries

But why are PCPs important?

- Provide **innovative solutions to practitioners** tested and tailored on their needs
- Boosting **business opportunities for SMEs and startups**
- **More efficient, higher quality solutions** solving real-life problems
- **Reinforces strategic autonomy** through 'made in Europe' solutions

2024-SSRI-01-02: Accelerating uptake through open proposals for advanced SME innovation

Topics	Type of Action	Budgets (EUR million)	Expected EU contribution per project (EUR million)	Number of projects expected to be funded
		2024		
HORIZON-CL3-2024-SSRI-01-02	IA	6	1.5	4

Expected Outcomes:

- Development of a mature technological solution addressing EU security policy priorities in the areas addressed by the Cluster 3 work programme;
- Facilitated access to civil security market for small innovators;
- Improved cooperation between public buyers and small supply market actors for a swifter uptake of innovation in response to short to mid-term needs;
- Stronger partnerships between small and medium EU security industry and technology actors to ensure the sustainability of the EU innovation capacity in the civil security domain and reduce technological dependencies from non-EU suppliers in critical security areas.

2024-SSRI-01-02: Accelerating uptake through open proposals for advanced SME innovation

Applicants are invited to submit proposals for technology development along with the following principles:

- Focus on mature technological solutions addressing EU security policy priorities in the areas addressed by the Cluster 3 work programme.
- Not overlapping with the scope of the topics included in the other destinations of this work programme.
- Fostering collaboration between SMEs from different Member States and Associated Countries.
- Involving security end-users in the role of validator and potential first-adopter of the proposed innovations.
- Fostering collaboration schemes between small companies and research and technology organisations and/or big industrial players aimed at fostering innovative technology transfer or creating innovative business models that facilitate access to market and strengthen the innovation capacity of EU SMEs and start-ups in the domain of civil security.

Consortia must include, as beneficiaries:

- A minimum of three (3) to a maximum of seven (7) partners.
- At least 2 SMEs from 2 different Member States.
- At least 1 end-user organisation in the areas addressed by the proposal, namely one of the following options:
 1. Option A "Fighting Organised Crime and Terrorism"
 2. Option B "Disaster-Resilient Society"
 3. Option C "Resilient Infrastructure" and
 4. Option D "Border Management", provided that the applications attain all thresholds.
- At least 2 Member States must be represented in the consortium.

Participation of non-SME industries and Research and Technology Organisations (RTOs) is not excluded, but it must be limited to 15% of the budget.

At least 50% of the budget must be allocated to SMEs.