Cluster 3: Civil Security for Society

Info Sessions:
Draft Horizon Europe Work Programmes

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HORIZON EUROPE - CLUSTER 3

Pillar 1
Excellent Science

European Research Council

Marie Skłodowska-Curie Actions

Research Infrastructures

Pillar 2
Global Challenges and European Industrial Competitiveness

Clusters

1. Health
2. Culture, Creativity and Inclusive Society
3. Civil Security for Society
4. Digital, Industry and Space
5. Climate, Energy and Mobility
6. Food, Bioeconomy, Natural Resources, Agriculture and Environment

Joint Research Centre

Pillar 3
Innovative Europe

European Innovation Council

European innovation ecosystems

European Institute of Innovation and Technology

Widening Participation and Strengthening the European Research Area

Widening participation and spreading excellence

Reforming and Enhancing the European R&I system

European Commission

CLUSTER 3 – Civil Security for Society OBJECTIVES:

Supporting EU policy priorities

It will support the European Commission policy priority 'Promoting the European way of life', as well as 'European Green Deal' and 'Europe fit for the digital age'. It will in particular support the implementation of the Security Union Strategy , the Counter-Terrorism Agenda , the border management and security dimensions of the New Pact on Migration and Asylum , EU Disaster Risk Reduction policies, the new EU Climate Adaptation Strategy , the EU Maritime Security Strategy and the EU Cybersecurity Strategy.

R&I EXPECTED IMPACTS

- *Tackle crime and terrorism;*
- *Increase cybersecurity and provide for a more secure online environment;*
- *Improve air/land/sea border management and increase maritime security;*
- *Prevent and respond to threats infrastructure*
- *Enhance disaster risk reduction and management;*
- *Overcome sector-specific bias and silos in security research.*

European Commission

CLUSTER 3 – the six "Destinations"

- Fight against Crime and Terrorism;

- Effective Border Management;

- Resilient Infrastructure;

- Increased Cybersecurity;

- Disaster-Resilient Society for Europe;

- Strengthened Security Research and Innovation.

CLUSTER 3 – DESTINATION *Fight against Crime and Terrorism*

Objective:

Tackling more effectively crime and terrorism, thanks to more powerful prevention, preparedness and response, a better understanding of human, societal and technological aspects of crime, and development of cutting-edge capabilities for police authorities.

Research will look at the use of new and emerging technologies to counter terrorism and other forms of serious crime, to improve lawful interception, to protect public spaces and to combat disinformation and fake news. It will also be targeted at improving access to fighting crime and terrorism research data and at developing modern biometric technologies for forensic investigation.

A strong attention will also be devoted to the prevention, detection and deterrence of societal issues that are related to various forms of crime (e.g. domestic and sexual violence, child sexual exploitation, violent radicalisation via online gaming), as well as various forms of organized crime (e.g. trafficking in illicit drugs, firearms, cultural goods, as well as organized environmental crime and trafficking in human beings).

European Commission

CLUSTER 3 – DESTINATION *Border Management*

Objective:

Improving air, land and sea border management and increasing maritime security, so as to facilitate travel of legitimate passengers and shipments into the EU, while preventing illicit trades, trafficking, piracy, terrorist and other criminal acts.

Research will enhance the management of borders by increasing surveillance and underwater detection capacity. It will secure and facilitate the crossing of external borders by increasing the safety, security and performance of Border and Coast guards, and will increase the security of customs and supply chain via enhanced detection capabilities.

European Commission

CLUSTER 3 – DESTINATION *Resilient Infrastructure*

Objective:

Enhancing the resilience and autonomy of physical and digital infrastructures and ensuring vital societal functions via 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.

Research will be aimed, for instance, at ensuring the resilience of European infrastructure in case of large-scale disruptions (e.g. due to pandemics or systemic risks), as well as at identifying autonomous and nature-based solutions to protect local infrastructure.

European Commission

CLUSTER 3 – DESTINATION *Increased Cybersecurity*

Increased cybersecurity and a more secure online environment by developing and using effectively EU and Member States' capabilities in digital technologies supporting protection of data and networks aspiring to technological sovereignty in this field, 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.

Cybersecurity research and innovation activities will support a Europe fit for the digital age, enabling and supporting digital innovation while highly preserving privacy, security, safety and ethical standards. It will focus on:

- Secure and resilient digital infrastructures and interconnected systems
- Hardware, software and supply chain security
- Cybersecurity and disruptive technologies
- Smart and quantifiable security assurance and certification shared across Europe
- Human-centric security, privacy and ethics

European Commission

CLUSTER 3 – DESTINATION *A Disaster-Resilient Society for Europe*

Objective:
Reduce losses from natural, accidental and man-made disasters through enhanced disaster risk reduction based on preventive actions, better societal preparedness, and resilience and improved disaster risk management.

Increasing risk awareness and preparedness of citizens, improving the disaster risk management and governance and strengthening the capacities of first responders. Pandemics and climate keep receiving much attention.

European Commission

CLUSTER 3 – DESTINATION *Strengthened Security R&I*

Objective:
A more effective and efficient evidence-based development of EU civil security capabilities, increased industrialisation, commercialisation, adoption and deployment of successful outcomes of security research, R&I-enabled knowledge and value in cross-cutting matters to reduce sector specific bias and breaks thematic silos that impede the proliferation of common security solutions

Research will be aimed at strengthening the pillars of security Research and Innovation by developing a maturity assessment framework, increasing foresight capacity and gathering relevant stakeholder in networks to enhance cooperation and support the programming of EU-funded security research;

Special attention will be devoted to the increased innovation uptake of security R&I outcomes (e.g. promoting pre-commercial procurement) and to cross-cutting knowledge and value for common security solutions (e.g. with regards to societal impact and citizens engagement).

European Commission

CLUSTER 3 – budget and calls

2021-2027 Cluster 3 budget: around EUR 1,6 Bn

2021-2022 Cluster 3 Work Programme budget: EUR 413M

Destination	Call	Topics	Budget
Fight against Crime and Terrorism	2021	8 IAs, 4 RIAs	56 M€
	2022	4 IAs, 2 RIAs, 1 CSA	31 M€
Effective Border Management	2021	3 IAs, 1 RIA, 1 CSA	30,5 M€
	2022	3 IAs, 2 RIAs	25 M€
Resilient Infrastructure	2021	2 IAs	20 M€
	2022	1 IA, 1 RIA	11 M€
Increased Cybersecurity	2021	4 RIAs	67,5 M€
	2022	3 IAs, 1 RIA	67,3 M€
Disaster-Resilient Society	2021	2 IAs, 2 RIAs, 2 CSAs	26 M€
	2022	6 IAs, 3 RIAs	46 M€
Strengthened Security R&I	2021	2 RIAs, 2 CSAs, 1 PCP	16 M€
	2022	3 CSAs, 1 RIA	9,5 M€

European Commission

Thank you!

Horizon Europe - Cluster 3

draft Work Programme 2021-2022

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