

# EU Security Funding Opportunities

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Enterprise Ireland  
Security Contact Point

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# My Role

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- Represent the Irish position on civil Security R&D to the European Commission in the context of Horizon Europe



- Promote civil security in Horizon Europe and other EC security-related programmes on the island of Ireland including supporting DoD in emerging defence programmes



- Work to develop security activity in Ireland including by coordinating the Irish Security Research Network (serenity)

# Horizon Europe: The €80.9B next EU Research & Innovation Investment Programme(2021 –2027)

## Preliminary structure

### Pillar 1

Excellent Science

European Research Council

Marie Skłodowska-Curie  
Actions

Research Infrastructures

### Pillar 2

Global Challenges and  
European Industrial  
Competitiveness

Clusters

- Health
- Culture, Creativity and Inclusive Society
- Civil Security for Society
- Digital, Industry and Space
- Climate, Energy and Mobility
- 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

# 6 Clusters in Pillar 2


Clusters	Areas of intervention	
<b>Health</b>	<ul style="list-style-type: none"> <li>• Health throughout the life course</li> <li>• Non-communicable and rare diseases</li> <li>• Tools, technologies and digital solutions for health and care, including personalised medicine</li> </ul>	<ul style="list-style-type: none"> <li>• Environmental and social health determinants</li> <li>• Infectious diseases, including poverty-related and neglected disease</li> <li>• Health care systems</li> </ul>
<b>Culture, creativity and inclusive society</b>	<ul style="list-style-type: none"> <li>• Democracy and Governance</li> <li>• Social and economic transformations</li> </ul>	<ul style="list-style-type: none"> <li>• Culture, cultural heritage and creativity</li> </ul>
<b>Civil security for society</b>	<ul style="list-style-type: none"> <li>• Disaster-resilient societies</li> <li>• Protection and Security</li> </ul>	<ul style="list-style-type: none"> <li>• Cybersecurity</li> </ul>
<b>Digital, Industry and space</b>	<ul style="list-style-type: none"> <li>• Manufacturing technologies</li> <li>• Advanced materials</li> <li>• Next generation internet</li> <li>• Circular industries</li> <li>• Space, including Earth Observation</li> <li>• Emerging enabling technologies</li> </ul>	<ul style="list-style-type: none"> <li>• Key digital technologies, including quantum technologies</li> <li>• Artificial Intelligence and robotics</li> <li>• Advanced computing and Big Data</li> <li>• Low-carbon and clean industry</li> <li>• Emerging enabling technologies</li> </ul>
<b>Climate, Energy and Mobility</b>	<ul style="list-style-type: none"> <li>• Climate science and solutions</li> <li>• Energy systems and grids</li> <li>• Communities and cities</li> <li>• Industrial competitiveness in transport</li> <li>• Smart mobility</li> </ul>	<ul style="list-style-type: none"> <li>• Energy supply</li> <li>• Buildings and industrial facilities in energy transition</li> <li>• Clean, safe and accessible transport and mobility</li> <li>• Energy storage</li> </ul>
<b>Food, bioeconomy, natural resources, agriculture and environment</b>	<ul style="list-style-type: none"> <li>• Environmental observation</li> <li>• Agriculture, forestry and rural areas</li> <li>• Circular systems</li> <li>• Food systems</li> </ul>	<ul style="list-style-type: none"> <li>• Biodiversity and natural resources</li> <li>• Seas, oceans and inland waters</li> <li>• Bio-based innovation systems in the EU Bioeconomy</li> </ul>

# Top Level Draft Horizon Europe Cluster 3 (Civil security for society)



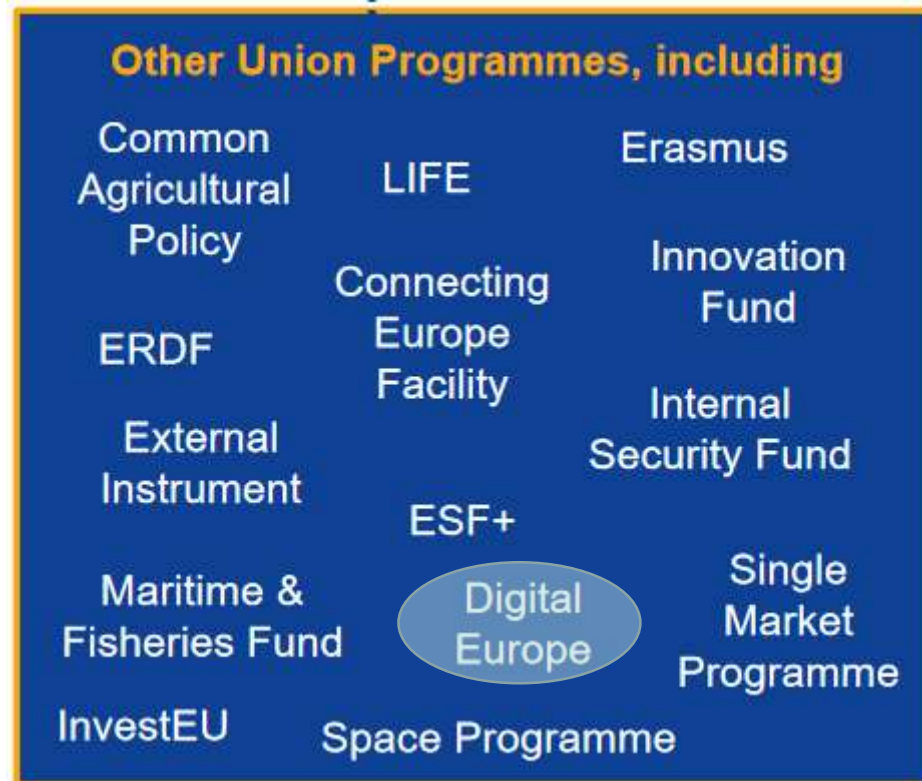
- Cluster 3 will contribute to establishing, deploy and steward **resilient critical digital infrastructure**, both private and public. Strengthened European cybersecurity industrial capacities and the uptake of architectural principles of **'security-by-design'** and **'privacy-by-design'** in digital technologies will create increased **strategic autonomy vis-à-vis foreign technologies**. Another expected contribution will be to defend the EUs high standards concerning the right to privacy, protection of personal data, and the protection of fundamental rights in the digital age on the global stage. Cluster 3 investments in cybersecurity will as well contribute to the resilience of the digital infrastructures and their ability to supply or provide services, as well as the security and safety of all producers and users.

# Cyber related projects coordinated from Ireland funded under H2020 'Secure Societies'



- Intelligence Network and Secure Platform for Evidence Correlation and Transfer (INSPECTr) <https://cordis.europa.eu/project/id/833276> led by Cheryl Baker at the Centre for Cybersecurity and Cybercrime Investigations (CCI) at UCD
- Proactive Risk Management through Improved Cyber Situational Awareness (Protective) <https://cordis.europa.eu/project/id/700071> led by Brian Lee at Athlone IT

# European Programmes that Relate Horizon Europe



# DIGITAL EUROPE PROGRAMME: A PROPOSED €8.2 BILLION OF FUNDING FOR 2021-2027

## FIVE FOCUS AREAS UNDER DIGITAL EUROPE PROGRAMME:



Supercomputing

€2.4 billion



Artificial  
Intelligence

€2.2 billion



Cybersecurity  
and Trust

€1.8 billion



Advanced  
Digital Skills

€600 million



Ensuring  
the wide use of  
digital technologies  
across the economy  
and society

€1.2 billion



# Other European Institutions/Initiatives



- The European Union Agency for Cybersecurity (*ENISA*) <https://www.enisa.europa.eu/>
- European CyberSecurity Organisation (*ECSO*) <https://ecs-org.eu/>
- European Cybersecurity Centre and Network of Coordination Centres (To be established but see [https://www.europarl.europa.eu/thinktank/en/document.html?reference=EPRS\\_BRI\(2019\)635518](https://www.europarl.europa.eu/thinktank/en/document.html?reference=EPRS_BRI(2019)635518) for a briefing)
- The European Defence Industry Development Programme (EDIDP) has a Call for Proposals that has a deadline of 1<sup>st</sup> December. There are opportunities for SMEs. An information resource is at <https://ec.europa.eu/docsroom/documents/42022>
- The EDIDP is a prelude to the European Defence Fund (EDF) that will run from 2021-2027 which will have an indicative €7Bn budget

# Next Steps



- For cyber security opportunities, including information regarding Digital Europe (though this may evolve), and to be kept aware of defence developments, please email me requesting your inclusion in the Irish Security Research Network (serenity) circulation list. [michael.murphy@enterprise-ireland.com](mailto:michael.murphy@enterprise-ireland.com)
- For ICT in general, (which may include cyber) you could add your name to the circulation lists of my colleagues [Stephen.OReilly@enterprise-ireland.com](mailto:Stephen.OReilly@enterprise-ireland.com) and [Gerard.Kennedy@enterprise-ireland.com](mailto:Gerard.Kennedy@enterprise-ireland.com)
- If Marie Curie appeals then contact [geraldine.canny@iua.ie](mailto:geraldine.canny@iua.ie) In addition, I recommend you talk to my colleague Micol Martinelli at [careerfit@enterprise-ireland.com](mailto:careerfit@enterprise-ireland.com) for a related national opportunity.
- For the EIC Accelerator (SME Instrument) contact [sean.burke@enterprise-ireland.com](mailto:sean.burke@enterprise-ireland.com) and/or [jill.leonard@enterprise-ireland.com](mailto:jill.leonard@enterprise-ireland.com)

# Thank you

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