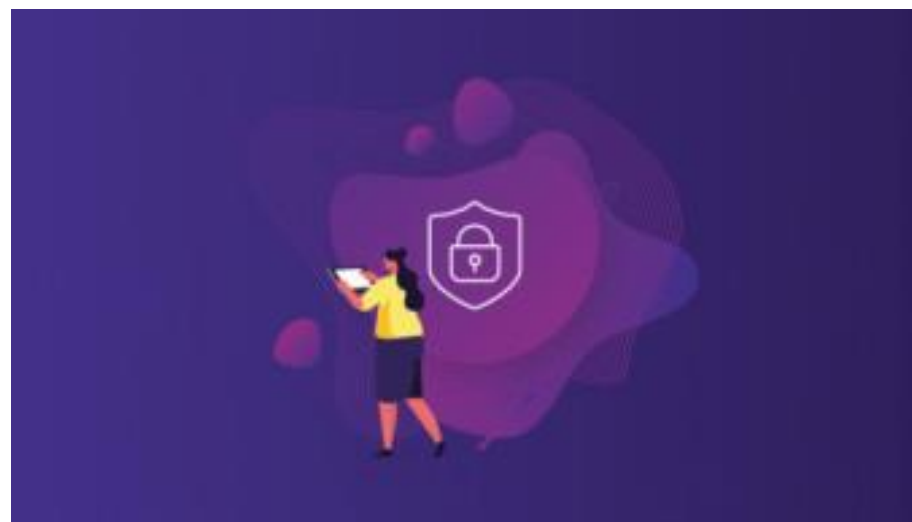




# DIGITAL EUROPE



NCP Flanders

**fwo** Fonds Wetenschappelijk Onderzoek  
Vlaanderen  
Opening new horizons

**VLAIO**  Vlaanderen  
is ondernemen



# MFF 2021-2027: A BUDGET FOR EUROPE'S PRIORITIES

## Simplification, transparency and flexibility

In billion euro, current prices



### I. SINGLE MARKET, INNOVATION AND DIGITAL

€187.4

- 1 Research and Innovation
- 2 European Strategic Investments
- 3 Single Market
- 4 Space



### II. COHESION AND VALUES

€442.4

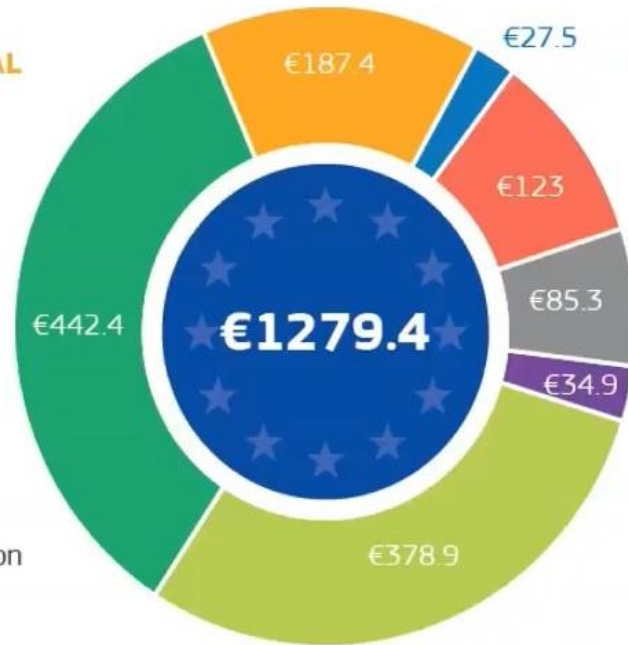
- 5 Regional Development and Cohesion
- 6 Economic and Monetary Union
- 7 Investing in People, Social Cohesion and Values



### III. NATURAL RESOURCES AND ENVIRONMENT

€378.9

- 8 Agriculture and Maritime Policy
- 9 Environment and Climate Action



### V. SECURITY AND DEFENCE

€27.5

- 12 Security
- 13 Defence
- 14 Crisis Response



### VI. NEIGHBOURHOOD AND THE WORLD

€123

- 15 External Action
- 16 Pre-Accession Assistance



### VII. EUROPEAN PUBLIC ADMINISTRATION

€85.3

- 17 European Public Administration

# HORIZON EUROPE

## R&D / R&I in Europe

The European Union (EU) offers support to R&D projects in form of its

**"Framework Program for Research and Innovation"**

With a budget of more than EUR 95 billion for **Horizon Europe**, it is the world's largest transnational funding program for **research and innovation**.



# Horizon Europe

## Evolution of investment in research and innovation

throughout the EU framework programmes



#HorizonEU #InvestEUresearch #EUBudget





# Horizon Europe - Structure

## HORIZON EUROPE

## EURATOM



\* The European Institute of Innovation & Technology (EIT) is not part of the Specific Programme

# Pillar 2 – Global Challenges and European Industrial Competitiveness

Budget 2021 - 2027



Source: [https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/guidance/programme-guide\\_horizon\\_en.pdf](https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/guidance/programme-guide_horizon_en.pdf)

# Pillar II – Cluster 3 – Civil Security for Society

→ The recording to the **Commission Info Days on the 2023-2024 security calls** can be rewatched [here](#)

## DESTINATION 1

**Better Protect the EU and its  
Citizens against Crime and  
Terrorism**

## DESTINATION 2

**Effective Management of EU  
External Borders**

## DESTINATION 3

**Resilient Infrastructure**

## DESTINATION 4

**Increased Cybersecurity**

## DESTINATION 5

**Disaster-resilient Society for  
Europe**

## DESTINATION 6

**Strengthening Security Research  
and Innovation**

# Call topics per programme and cluster (example)

Call status	Submission DL	Identifier	Title (click to go to F&T portal)	Action type	Date open	Submission t
Forthcoming	2024-11-20	HORIZON-CL3-2024-BM-01-01	Open Topic	RIA (LS)	2024-06-27	single-stage
Forthcoming	2024-11-20	HORIZON-CL3-2024-BM-01-03	Advanced user-friendly, compatible, secure identity and travel document management	IA (LS)	2024-06-27	single-stage
Forthcoming	2024-11-20	HORIZON-CL3-2024-BM-01-05	Detection and tracking of illegal and trafficked goods	RIA (LS)	2024-06-27	single-stage
Forthcoming	2024-11-20	HORIZON-CL3-2024-CS-01-01	Approaches and tools for security in software and hardware development and assessm	IA (LS)	2024-06-27	single-stage
Forthcoming	2024-11-20	HORIZON-CL3-2024-CS-01-02	Post-quantum cryptography transition	RIA	2024-06-27	single-stage
Forthcoming	2024-11-20	HORIZON-CL3-2024-DRS-01-01	Prevention, detection, response and mitigation of chemical, biological and radiological	RIA	2024-06-27	single-stage
Forthcoming	2024-11-20	HORIZON-CL3-2024-DRS-01-03	Harmonised / Standard protocols for the implementation of alert and impact forecast	IA	2024-06-27	single-stage
Forthcoming	2024-11-20	HORIZON-CL3-2024-DRS-01-04	Hi-tech capacities for crisis response and recovery after a natural-technological (NaTe	RIA	2024-06-27	single-stage
Forthcoming	2024-11-20	HORIZON-CL3-2024-FCT-01-04	Radicalisation and gender	RIA	2024-06-27	single-stage
Forthcoming	2024-11-20	HORIZON-CL3-2024-FCT-01-06	Open Topic	RIA	2024-06-27	single-stage
Forthcoming	2024-11-20	HORIZON-CL3-2024-INFRA-01-01	Open Topic	IA (LS)	2024-06-27	single-stage
Forthcoming	2024-11-20	HORIZON-CL3-2024-INFRA-01-02	Resilient and secure urban planning and new tools for EU territorial entities	IA (LS)	2024-06-27	single-stage
Forthcoming	2024-11-20	HORIZON-CL3-2024-INFRA-01-03	Advanced real-time data analysis used for infrastructure resilience	RIA (LS)	2024-06-27	single-stage
Forthcoming	2024-11-20	HORIZON-CL3-2024-SSRI-01-01	Demand-led innovation through public procurement	PCP	2024-06-27	single-stage
Closed	2021-09-14	HORIZON-MISS-2021-COOR-01-01	Coordination of complementary actions for missions	CSA	2021-06-22	single-stage
Closed	2021-10-21	HORIZON-CL3-2021-CS-01-02	Improved security in open-source and open-specification hardware for connected dev	RIA	2021-06-30	single-stage
Closed	2021-11-23	HORIZON-CL3-2021-BM-01-01	Enhanced security and management of borders, maritime environment, activities and t	IA	2021-06-30	single-stage
Closed	2021-11-23	HORIZON-CL3-2021-BM-01-02	Increased safety, security, performance of the European Border and Coast Guard and	CSA	2021-06-30	single-stage
Closed	2021-11-23	HORIZON-CL3-2021-DRS-01-01	Improved understanding of risk exposure and its public awareness in areas exposed to	RIA	2021-06-30	single-stage
Closed	2021-11-23	HORIZON-CL3-2021-DRS-01-02	Integrated Disaster Risk Reduction for extreme climate events: from early warning sys	IA	2021-06-30	single-stage
Closed	2021-11-23	HORIZON-CL3-2021-DRS-01-05	Fast deployed mobile laboratories to enhance situational awareness for pandemics an	IA	2021-06-30	single-stage
Closed	2021-11-23	HORIZON-CL3-2021-FCT-01-01	Terrorism and other forms of serious crime countered using travel intelligence	IA	2021-06-30	single-stage
Closed	2021-11-23	HORIZON-CL3-2021-FCT-01-02	Lawful interception using new and emerging technologies (5G & beyond, quantum com	RIA	2021-06-30	single-stage
Closed	2021-11-23	HORIZON-CL3-2021-FCT-01-04	Improved access to fighting crime and terrorism research data	IA	2021-06-30	single-stage
Closed	2021-11-23	HORIZON-CL3-2021-FCT-01-07	Improved preparedness on attacks to public spaces	IA	2021-06-30	single-stage
Closed	2021-11-23	HORIZON-CL3-2021-FCT-01-08	Fight against trafficking in cultural goods	RIA	2021-06-30	single-stage
Closed	2021-11-23	HORIZON-CL3-2021-FCT-01-09	Fight against organised environmental crime	IA	2021-06-30	single-stage
Closed	2021-11-23	HORIZON-CL3-2021-FCT-01-10	Fight against firearms trafficking	IA	2021-06-30	single-stage
Closed	2021-11-23	HORIZON-CL3-2021-FCT-01-11	Prevention of child sexual exploitation	RIA	2021-06-30	single-stage
Closed	2021-11-23	HORIZON-CL3-2021-FCT-01-12	Online identity theft is countered	RIA	2021-06-30	single-stage
Closed	2021-11-23	HORIZON-CL3-2021-INFRA-01-01	European infrastructures and their autonomy safeguarded against systemic risks	IA	2021-06-30	single-stage
Closed	2021-11-23	HORIZON-CL3-2021-INFRA-01-02	Ensured infrastructure resilience in case of Pandemics	IA	2021-06-30	single-stage
Closed	2021-11-23	HORIZON-CL3-2021-SSRI-01-01	A maturity assessment framework for security technologies	RIA	2021-06-30	single-stage
Closed	2021-11-23	HORIZON-CL3-2021-SSRI-01-04	Demand-led innovation for situation awareness in civil protection	PCP	2021-06-30	single-stage
Closed	2022-01-25	HORIZON-MISS-2021-NEB-01-01	Support the deployment of lighthouse demonstrators for the New European Bauhaus i	CSA	2021-09-28	single-stage
Closed	2022-02-16	HORIZON-CL4-2021-SPACE-01-43	Copernicus Security and Emergency Services evolution	RIA	2021-11-02	single-stage

Call topics overview: <https://ncpflanders.be/call-topics>

or EC Funding & Tenders portal: <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/home>

# Horizon Europe – Types of actions

- Eligibility: any legal entity can participate
  - **Collaborative projects:** minimum 3 independent legal entities, each established in a different EU Member State (MS) or Associated Country (AC) with at least one of them established in a Member State.
  - **Mono-beneficiary projects:** Coordination and support actions, some ERC, MSCA and co-fund actions
- Main types of actions:
  - **RIA** – Research & Innovation Actions – up to 100% funding rate
  - **IA** – Innovation Actions – up to 70% funding rate (non-profit = 100%)
  - **CSA** – Coordination and Support Actions – up to 100% funding rate
- Other types include: co-fund, pre-commercial procurement (PCP), public procurement of innovative solutions action (PPI), Training and Mobility Action (TMA), Innovation and Market Deployment (IMDA)





# Digital Europe Security-related topics

NCP Digital Europe  
Marie Timmermann  
[marie.timmermann@fwo.be](mailto:marie.timmermann@fwo.be)

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Vlaanderen  
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is ondernemen

# Digital Europe in a nutshell

An EU funding programme for:

- SMEs & larger companies
- Knowledge and higher education institution + research centres
- Public sector organisations

Aim: support the digital transition in the EU:

- Fostering the uptake of digital technologies by businesses, citizens and public administration
- Enhancing digital skills of the workforce

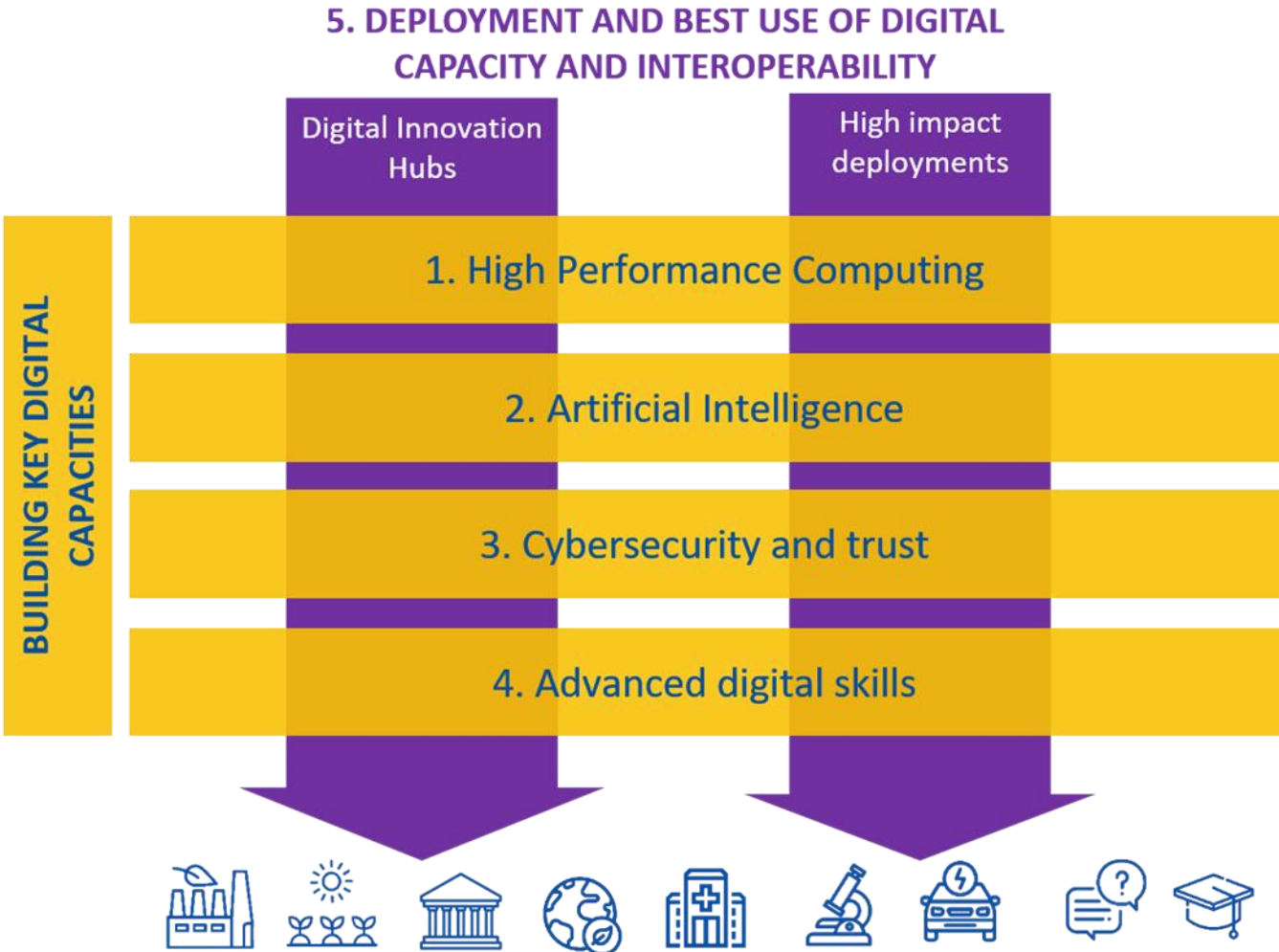
Focuses on deployment of digital technologies

- **Does not fund research**, but deployment of technologies (differs from Horizon Europe)
- Addresses both Economy & Society

Overall budget of € 7.5 billion for 2021-2027

- Divided over 6 Specific Objectives

# 6 Specific Objectives...



! New since 1 December 2023 !  
**Specific Objective 6 –Semiconductors**  
 ➤ Co-implementation of the Chips for Europe Initiative

... and a broad range of sectors



# What's in it?

## Information on objectives and topics in 5 different work programmes

- **Main Work Programme 2023-2024**  
(managed by European Commission, DG Connect and HaDEA)
  - AI, data & cloud, Advanced Digital Skills, and Deployment and best use of digital technologies
- **European Digital Innovation Hubs Work Programme 2021-2023**  
(managed by European Commission, DG Connect)
- **High-Performance Computing Work Programme 2023**  
(managed by EuroHPC Joint Undertaking)
- **Cybersecurity Work Programme 2023-2024**  
(managed by European Cybersecurity Competence Centre)
- **Semiconductor Workprogramme 2023**  
(managed by Chip Joint Undertaking, former KDT JU)





# What's in it for security and defence?

## Focus on cybersecurity

- Develop EU's **technological sovereignty** in cybersecurity to reduce dependence on other parts of the world for the most critical technologies
- Build capacity to **secure sensitive infrastructures** such as 5G networks and further **development of cybersecurity capabilities and enhanced resilience** in EU
- Support for set-up and operation of **Security Operation Centres (SOCs)** and **National Coordination Centres (NCCs)**
- Implementation of the **Cyber Resilience Act** and the **NIS Directive**

# What's in it for security and defence?

## Other examples

- Highly secure **collaborative platform for aeronautics and security** industry (AI, data and cloud)
- Data Space for **security and law enforcement** (AI, data and cloud)
- Security (law enforcement): **AI-based pilot**
- **Safer Internet Centres** (Deployment)
- European Digital **Media Observatory** (Deployment)



# 2024 opportunities

# Currently open call: Cybersecurity

Deadline: 26 March 2024

- Novel applications of AI and other enabling technologies for Security Operation Centres
- Implementation of Cyber Resilience Act
  - Strengthening cybersecurity capacities of European SMEs in line with the Cyber Resilience Act requirements and obligations
  - Tool for compliance with the Cyber Resilience Act requirements and obligations
- Post-Quantum Cryptography
  - Deployment of Post-Quantum Cryptography systems in industrial sectors
  - Standardisation and awareness of the European transition to post-quantum cryptography
  - Roadmap for the transition of European administrations to a post-quantum cryptography era



# Further expected calls for 2024

## Cybersecurity

- Security Operation Centres
  - National Security Operation Centres (SOCs)
  - Enlarging existing or launching new cross-border SOC platforms
  - Strengthening the SOC ecosystem
- Development and deployment of Advanced Key Technologies
- Preparedness Support and Mutual Assistance, targeting larger industrial operations and installations
- Support for the implementation of EU Legislation on Cybersecurity and National Cybersecurity Strategies

# Contact NCP Flanders



**Marie Timmermann**

NCP Adviseur Digital Europe

[marie.timmermann@fwo.be](mailto:marie.timmermann@fwo.be)

<https://ncpflanders.be/programmes/digital-europe-programme>

**NCP Flanders**

FWO, Leuvenseweg 38, 1000 Brussel

T +32 2 550 15 59

[www.ncpflanders.be](http://www.ncpflanders.be)

<https://www.linkedin.com/company/ncp-flanders/>

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