



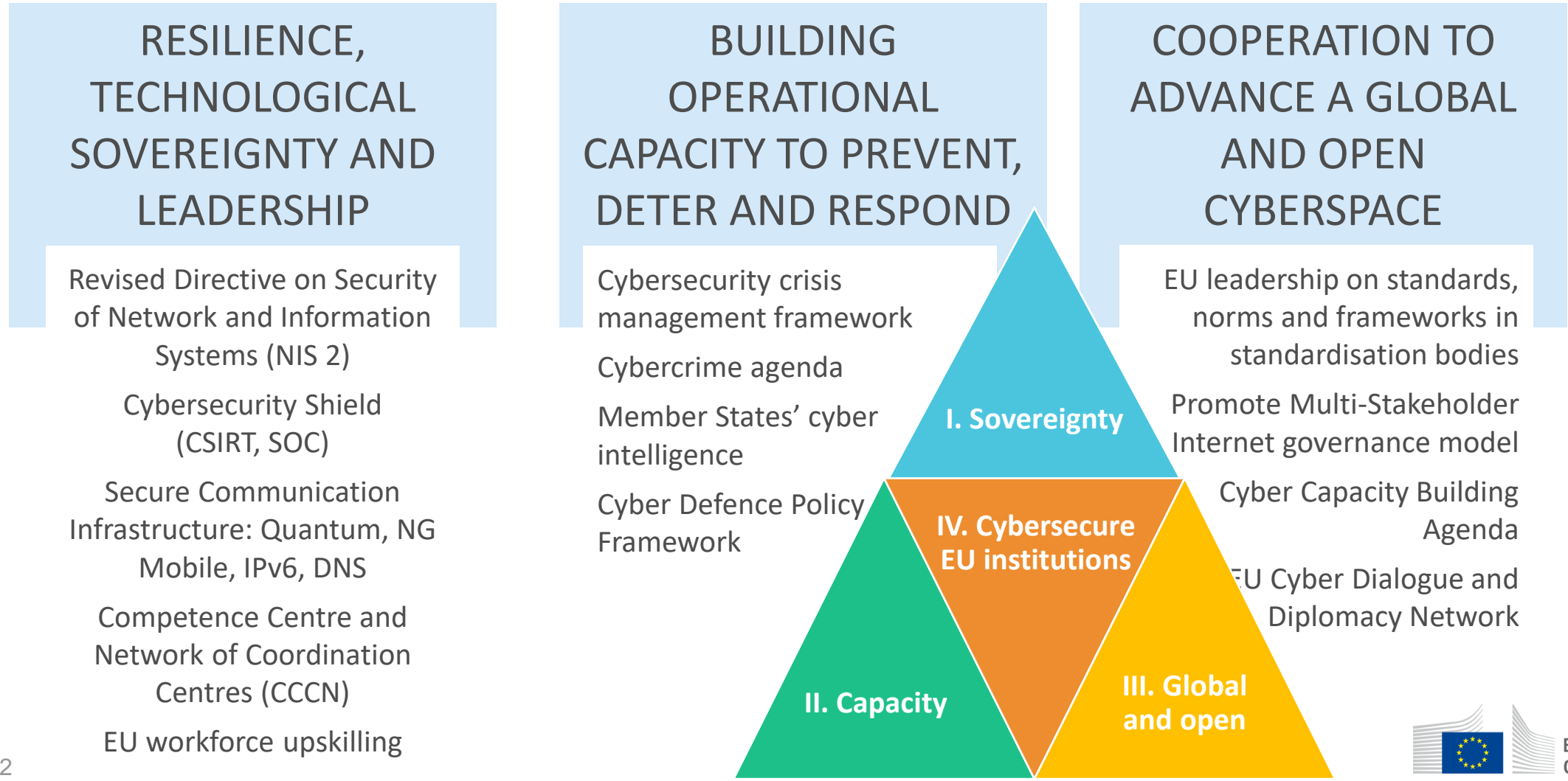
EU Strategy and Investments in Cybersecurity

ENISA Cybersecurity Market Analysis Conference

24 November 2022

Ioannis Askoxylakis

The EU's Cybersecurity Strategy for the Digital Decade (16.12.2020); 3 instruments (regulatory, investment, policy initiatives) 3 to three pillars



Challenges in Cybersecurity

- Geopolitical contest over cyberspace
- Large increase in cybercrime
- Supply chain security (e.g. 5G)
- Expanding attack surface (e.g. IoT; hospitals, vaccine distribution)
- Threat from quantum computing breaking “legacy” crypto
- Advent of AI
- Skills shortage; awareness
- Capacity building, resilience
- Vulnerability of smaller organisations, SMEs
- Info sharing, joint analysis and response
- Commercialisation of R&D
- Uptake
- Single market
- Dual use
- (...)

A EUROPEAN CYBERSECURITY TECHNOLOGY & INNOVATION ECOSYSTEM

EU Funding, Capacity-building, Community-building

EU Cybersecurity Competence Centre and Network



European Competence Centre:

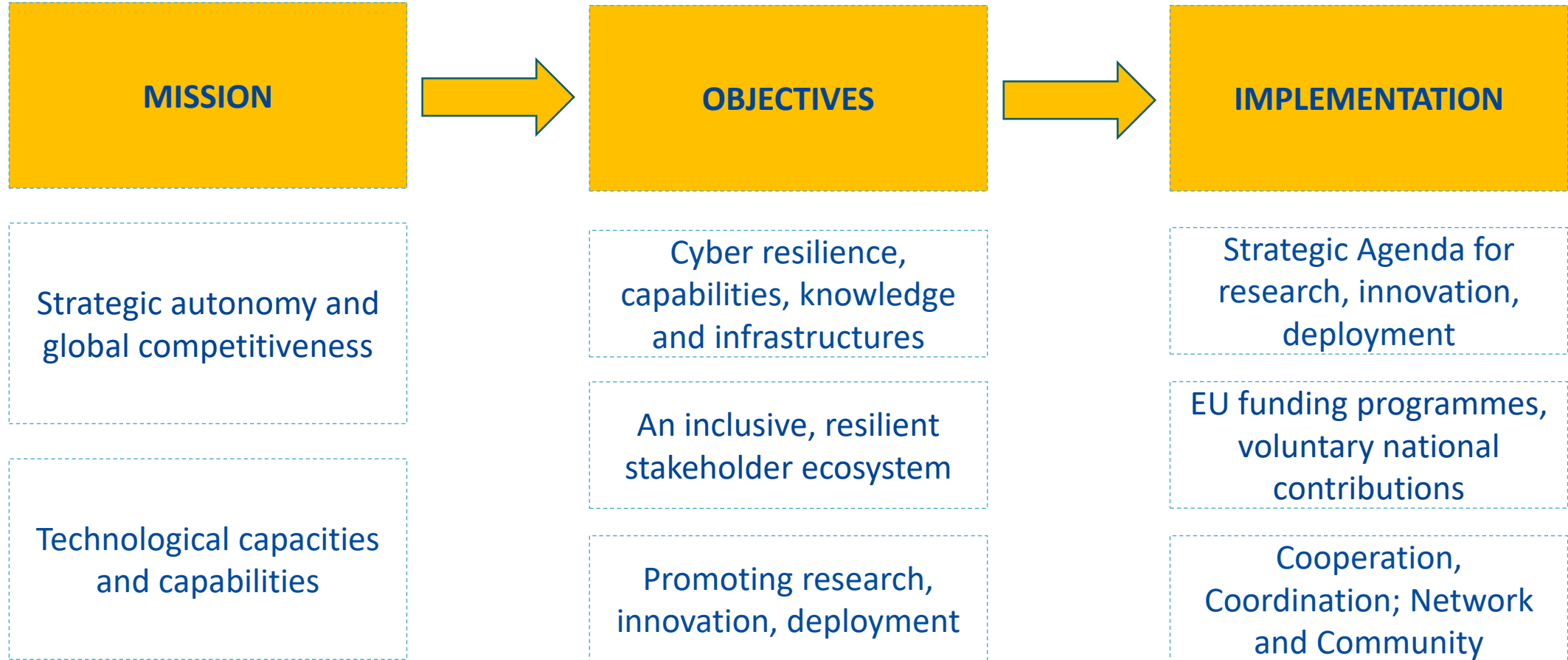
- manage the funds foreseen for cybersecurity under Digital Europe and Horizon Europe 2021-2027
- facilitate and help coordinate the Network and Community to drive the cybersecurity technology agenda
- support joint investment by the EU, Member States and industry and support deployment of products and solutions.

Network of National Coordination Centres (NCCs):

- Nominated by Member States as the national contact point
- Objective: national capacity building and link with existing initiatives
- May receive funding, may pass on financial support
- One NCC per Member State

Competence Community:

- A large, open, and diverse group of cybersecurity stakeholders from research and the private and public sectors
- Provides input to the activities of the competence centre to the work programmes



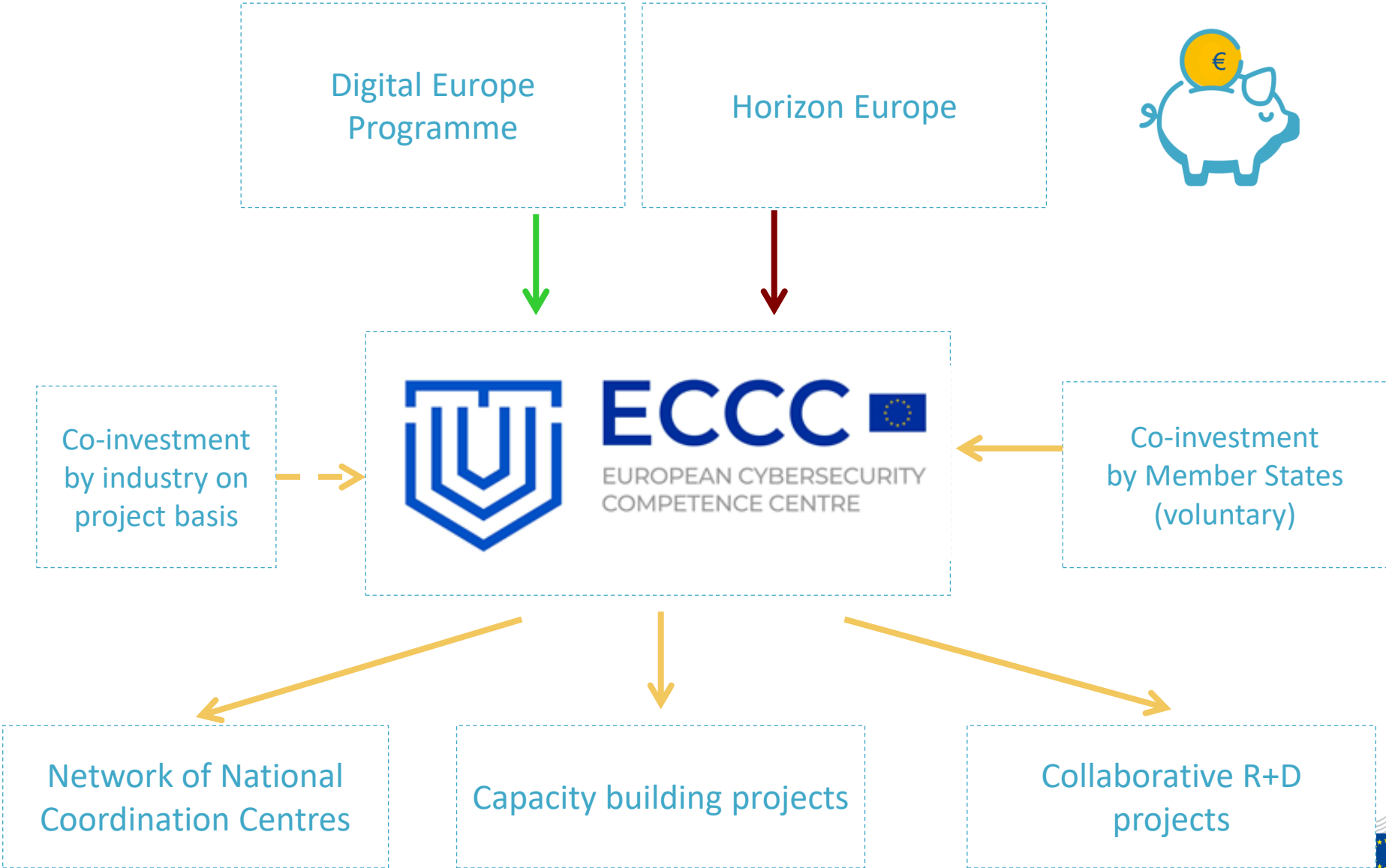
Network of National Coordination Centres

- One NCC per Member State, nominated by the Member State
- May receive EU funding
- May pass on EU funding
- Objective: national capacity building and link with existing initiatives
- Contributes to strategic tasks
- Promotes participation in cross-border projects and in cybersecurity action
- Provides technical assistance
- Coordinates the national, regional and local levels
- Assesses requests by entities in the Member States
- Promotes cybersecurity educational programmes
- Advocates involvement of relevant entities

Competence Community

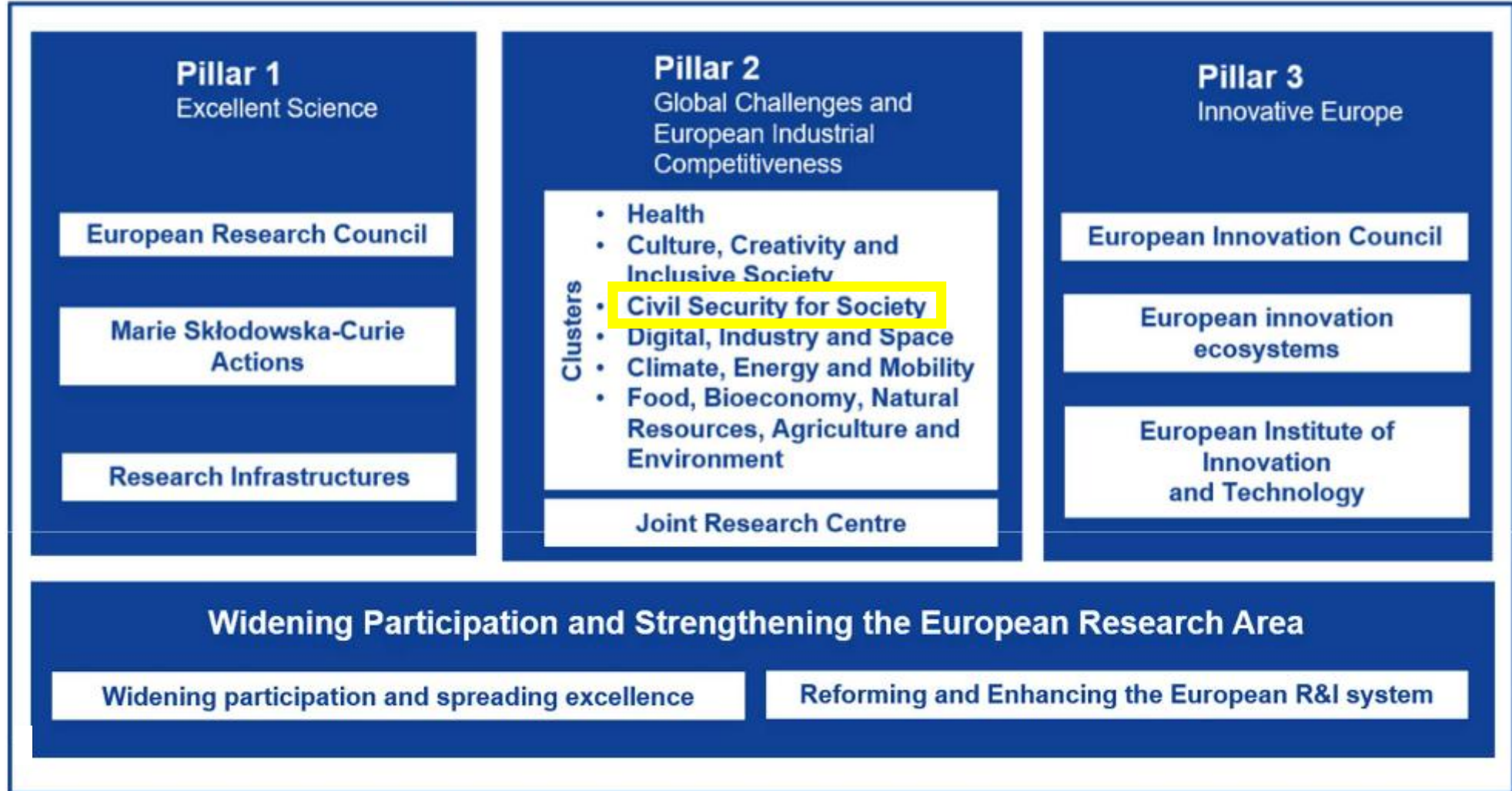
- A large, open, and diverse group of cybersecurity stakeholders from research and the private and public sectors, including both civilian and defence sectors which acts cross-sectoral and cross-department
- Management of the Community has been prepared through the pilots CONCORDIA, ECHO, SPARTA and CyberSec4Europe
- The Centre, Network and Community should help to advance and disseminate the latest cybersecurity products and services
- Exchanges with the Centre on developments in cybersecurity
- Provides input to the activities of the competence centre to the multiannual work programme and to the annual work programme
- Splits up into working groups for regular dialogue
- Supports stakeholders at their request, public-private coordination

2021-2027 proposed EU cybersecurity funding sources

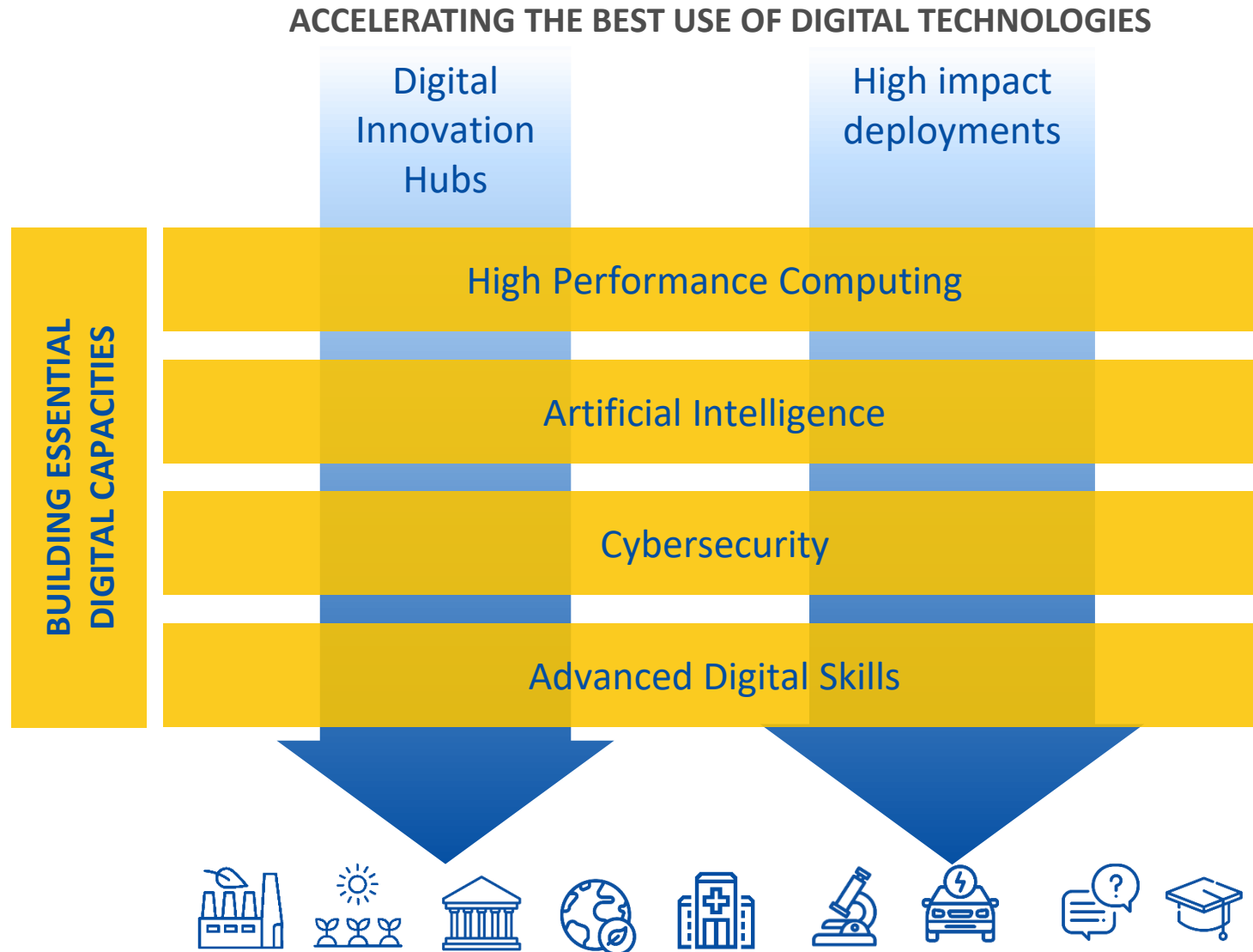


Horizon Europe 2022

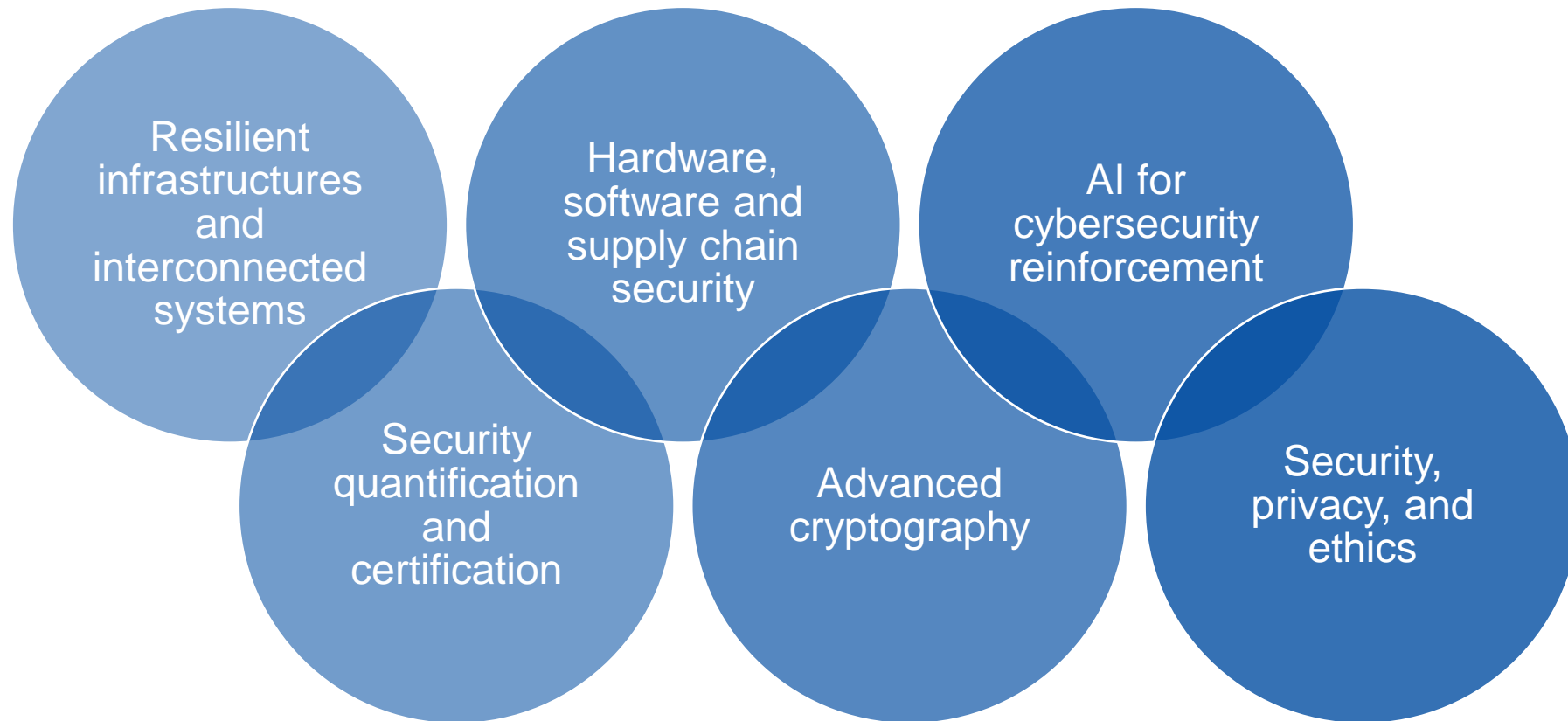
Horizon Europe - Structure



Digital Europe programme structure



Horizon Europe – Work Programme 2021-22 (135m EUR)



Resilient digital infrastructures and interconnected systems

HORIZON-CL3-2022-CS-01-01: Improved monitoring of threats, intrusion detection and response in complex and heterogeneous digital systems and infrastructures

Hardware, software and supply chain security

HORIZON-CL3-2022-CS-01-02: Trustworthy methodologies, tools and data security “by design” for dynamic testing of potentially vulnerable, insecure hardware and software components

Cybersecurity and disruptive technologies

HORIZON-CL3-2022-CS-01-03: Transition towards Quantum-Resistant Cryptography

Smart and quantifiable security assurance and certification shared across Europe

HORIZON-CL3-2022-CS-01-04: Development and validation of processes and tools used for agile certification of ICT products, ICT services and ICT processes

For more information:

[HE Programme 2021/22 - 6. Civil Security for Society](#)

[General Annexes of the WP
Standard application form \(RIAs/IAs\)](#)

[Participant Portal](#)

For questions contact

us: CNECT-H1-EVALUATIONS@ec.europa.eu



Digital Europe 2022



Digital Europe work programme 2021-22

- **European Cyber-shield (147m EUR)**
 - EU cybersecurity resilience, coordination and cybersecurity ranges
 - Capacity building of Security Operation Centres (SOCs)
 - Secure 5G and other strategic digital infrastructures and technology
 - Uptake of innovative cybersecurity solutions in SMEs
 - Support to the health sector cybersecurity
- **Support to implementation of relevant EU Legislation (83m EUR)**
 - Network of National Coordination Centres
 - Cybersecurity Community support
 - NIS Directive implementation and national cybersecurity strategies
 - Testing and certification capabilities
- **Secure quantum communication infrastructure (174m EUR)**
- **Skills (incl. Cyber – 166m EUR)**



Topics and deadlines upcoming topics

Topic	Budget	Opening	Deadline
Network of National Coordination Centres	€ 55M (total)	29 September	24 January 2023
EU cybersecurity resilience, coordination and cybersecurity ranges	€ 15M		
Capacity building of Security Operation Centres (SOCs)	€ 72,5M		
Secure 5G and other strategic digital infrastructures and technology	€ 10M		
Uptake of innovative cybersecurity solutions in SMEs	€ 32M		
NIS Directive implementation and national cybersecurity strategies	€ 20M		
Testing and certification capabilities	€ 5M		

Useful links



Digital Europe Programme website

<https://digital-strategy.ec.europa.eu/en/activities/digital-programme>

Digital Europe Programme Regulation

<https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX%3A32021R0694&qid=1621344635377>

Funding & tender opportunities portal

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/programmes/digital>

Thank you



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