



**Cyber
Security
for Europe**

Journée d'information sur les appels Horizon 2020 sur la cybersécurité



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CyberSec4Europe is funded by the
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Programme

Grant Agreement No. 830929

Who Are CyberSec4Europe?

Centres of Excellence /
Universities / Research
Centres / SMEs

43 partners in 22 countries

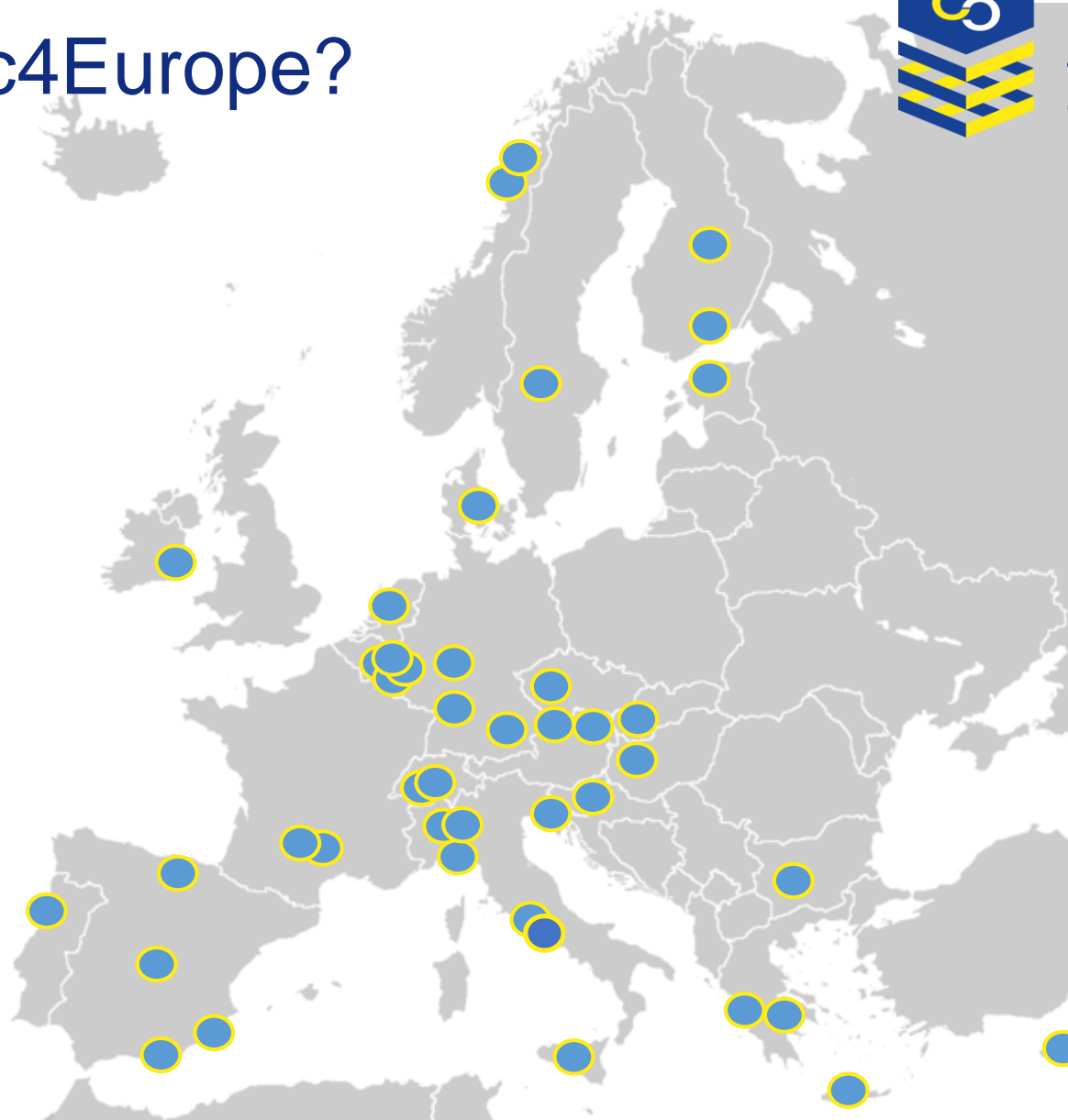
26 ECSO members involved
in 6 ECSO Working Groups

Existing networks (ECSO,
TDL, EOS, CEPIS)

Experience from over 100
cybersecurity projects in 14
key cyber domains

11 technology/ application
elements and coverage of
nine vertical sectors

Funding period:
02/2019 – 07/2022



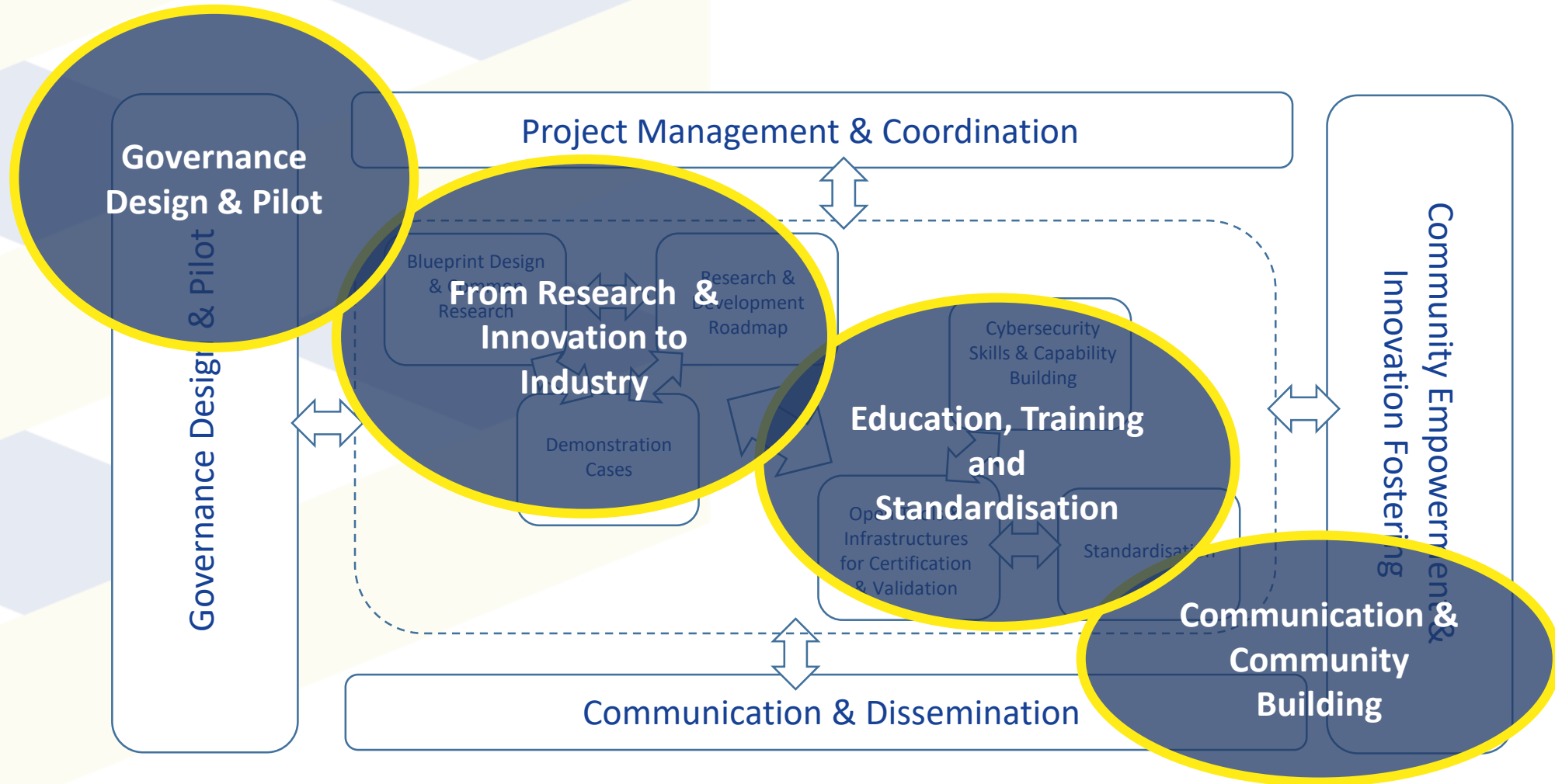
About CyberSec4Europe



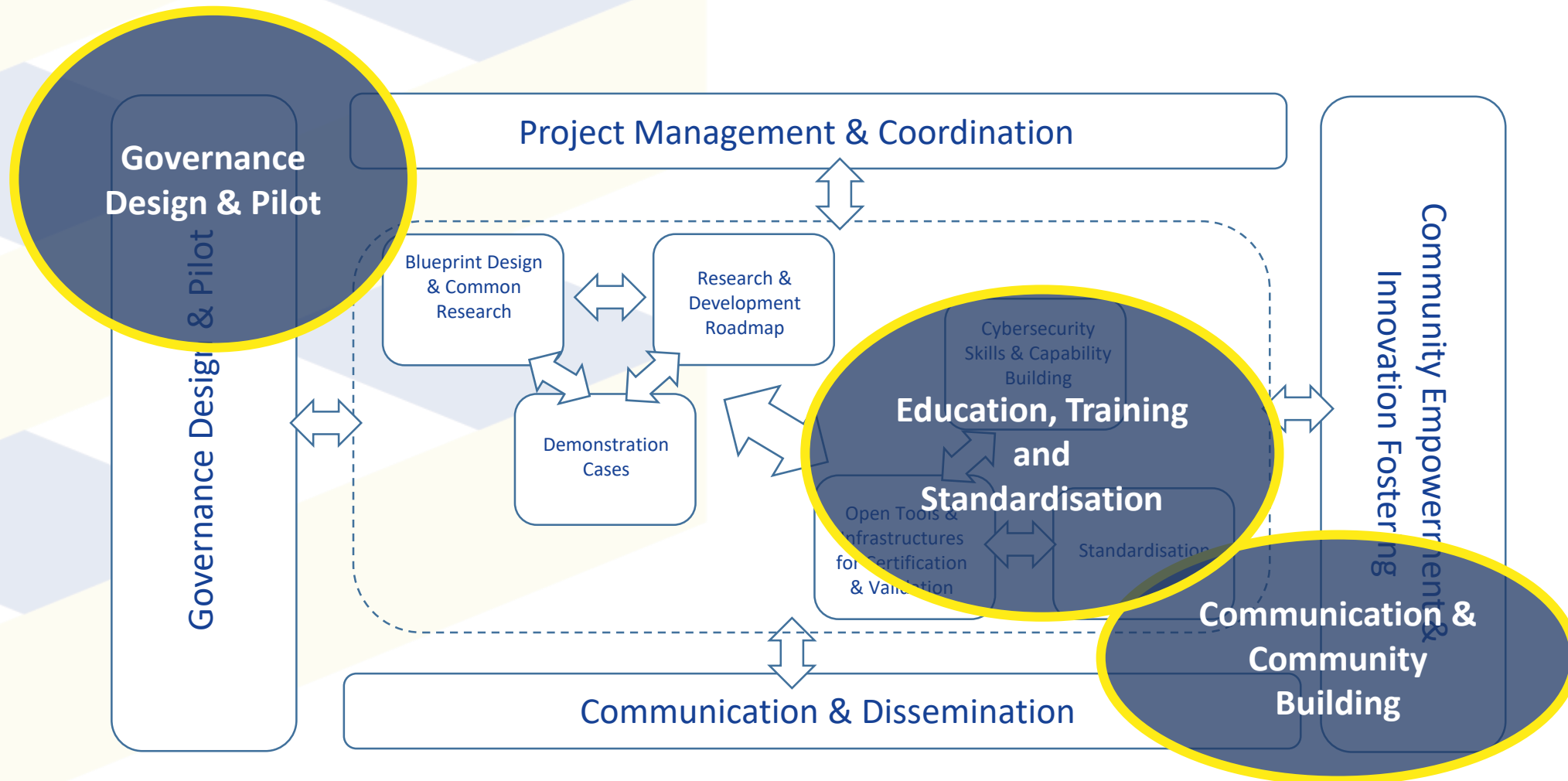
CyberSec4Europe is a research-based consortium working across four different but inter-related areas with a strong focus on openness and citizen-centricity in order to:

- Pilot a European Cybersecurity Competence Network
- Design, test and demonstrate potential governance structures for the network of competence centres
- Harmonise the journey from software componentry identified by a set of roadmaps leading to recommendations
- Ensure the adequacy and availability of cybersecurity education and training as well as common open standards
- Communicate widely and build communities

Piloting a Competence Network



From Research & Innovation to Industry



Demonstration Cases by Industrial Sectors

Finance

- Incident reporting
- PSD2 / GDPR issues

Health

- Medical data exchange

Smart Cities

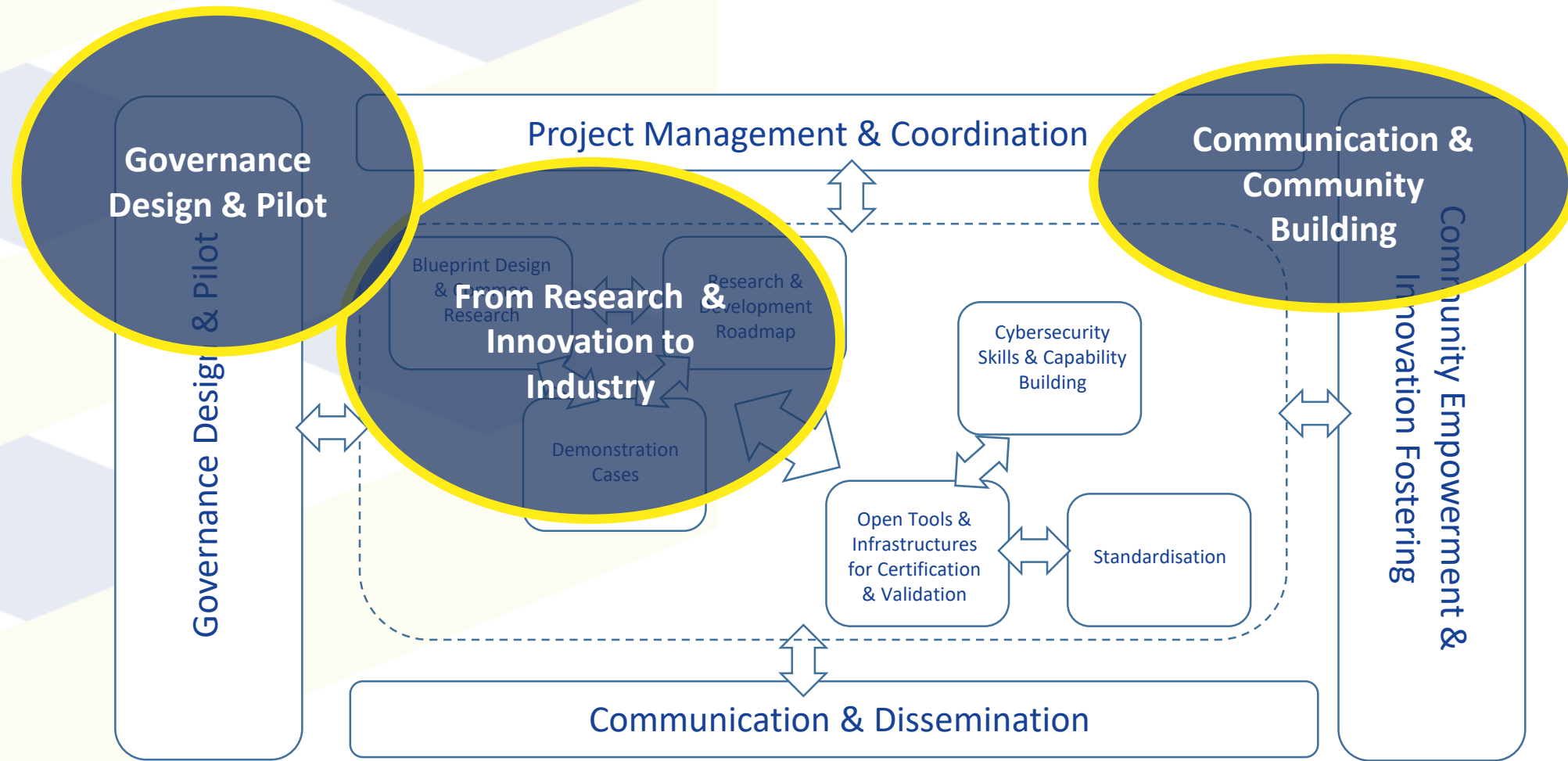
- Citizen participation/e-Government
- Critical infrastructures
- Education

Transport

- Maritime (port critical infrastructure)
- Supply chain assurance

Boost the success of businesses and protect the rights of citizens in the EU.

Education, Training & Standardisation

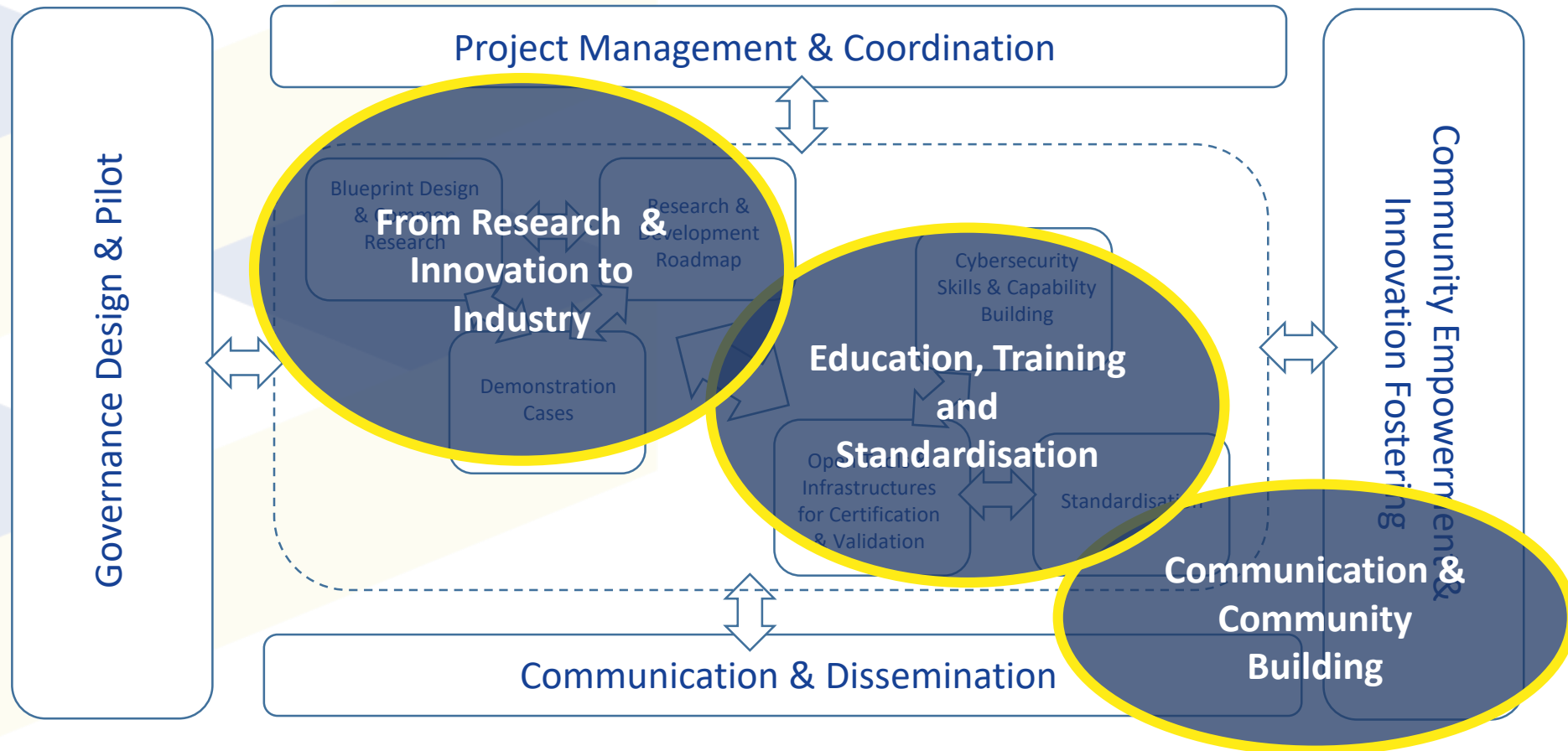


Cybersecurity Skills & Capability Building



- Combines formal, professional and non-traditional skill building
- University education → Map education in Europe
- Professional training and workforce assessment
- Virtual education
 - Quality branding of MOOC education was the first pilot of governance delivered in the summer
- Cyber ranges as platform for education, training

Governance Design & Pilot



Examples of competence centres “in” CyberSec4Europe



- Nationwide hubs
 - Topically open and rather general
 - Danish Hub for Cybersecurity (Denmark)
- Regional Community hubs of expertise
 - Topically open and rather general
 - CHECK (Toulouse, France)
- Topically focussed hubs
 - Rather nationwide than regional
 - JYVSECTEC National Cyber Range Ecosystem (Finland)

The Danish Hub for Cybersecurity as a national and industry and R&D hub

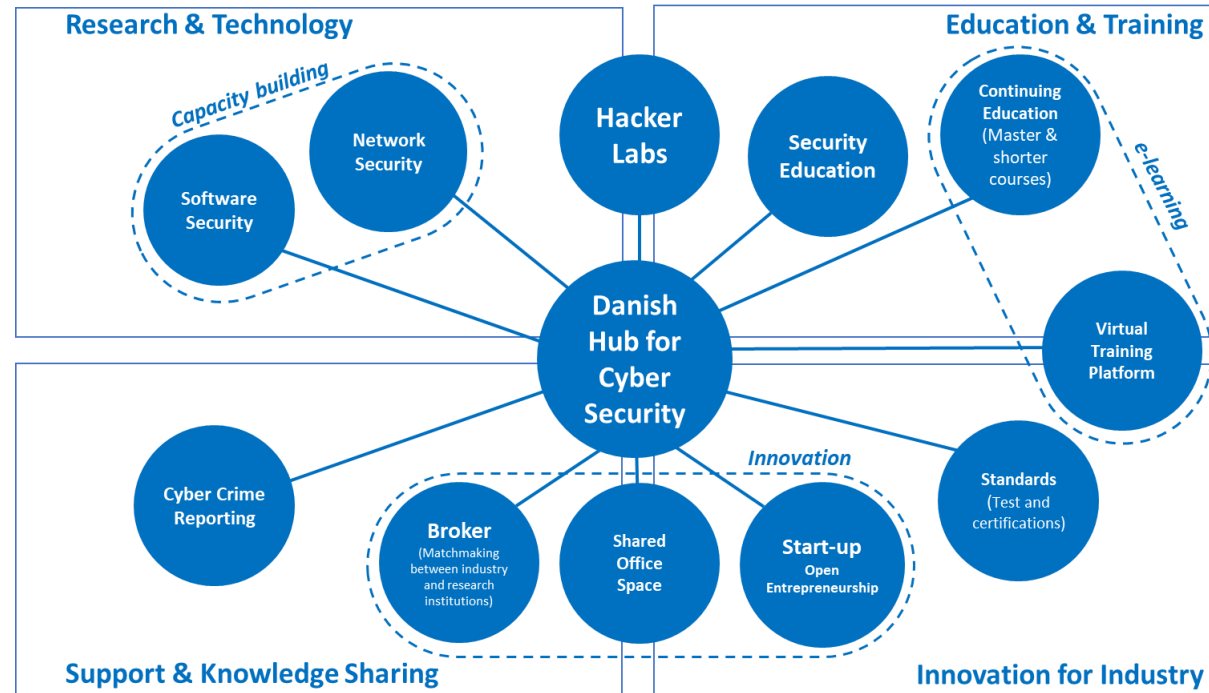


- All Danish universities; RTOs; Business academies; Industry networks.
- Strong collaboration with industry
- Strong collaboration with authorities
- Funded by The Danish Industry Foundation

Danish Academia, Danish Independent Research & Advisory Institutions and Industrial Networks

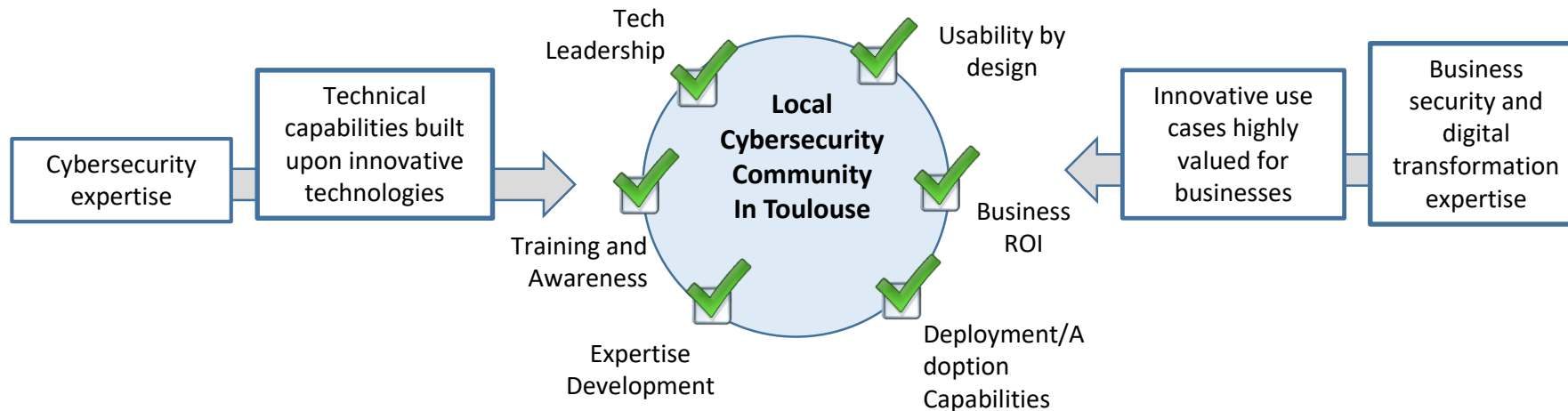


The Danish Hub for Cybersecurity as a National industry and R&D hub



- www.cyberhub.dk

CHECK as a regional Community Hub of Expertise (Toulouse)



- Fostering a **community** providing a **vision** and the necessary **expertise** to create **innovative, trustworthy digital services**.
- Successful projects can thrive due to an agile governance model of case-by-case decisions on funding and innovation.

Regional Hub Draft Structure

Business Security Hub

- Sharing security challenges in a **trust environment**
- Identifying and formalizing **cross-sector needs and priorities**
- Engaging innovation providers on **ROI guaranteed collaborations**
- Providing community with **security for digital expertise** to develop **co-business** actions
- Creating a dedicated and **common brand used to communicate** on the vision

Leadership: Cyber users
Main challenge: «Share !»

Technology centre

- **Sourcing** and **prototyping** innovative technologies
- Ensuring **access** and promotion of **European expertise and capabilities**
- Building and implementing the **training Road Map**
- Monitoring European **R&I actions**

Leadership: R&D Labs
Main challenge: «Think about use cases!»

Industrial task force

- **Easing high-valued consortium building** to answer Europe's R&I actions
- Turning innovations into **fully supported solutions**
- Creating innovative **business and intellectual property sharing models**

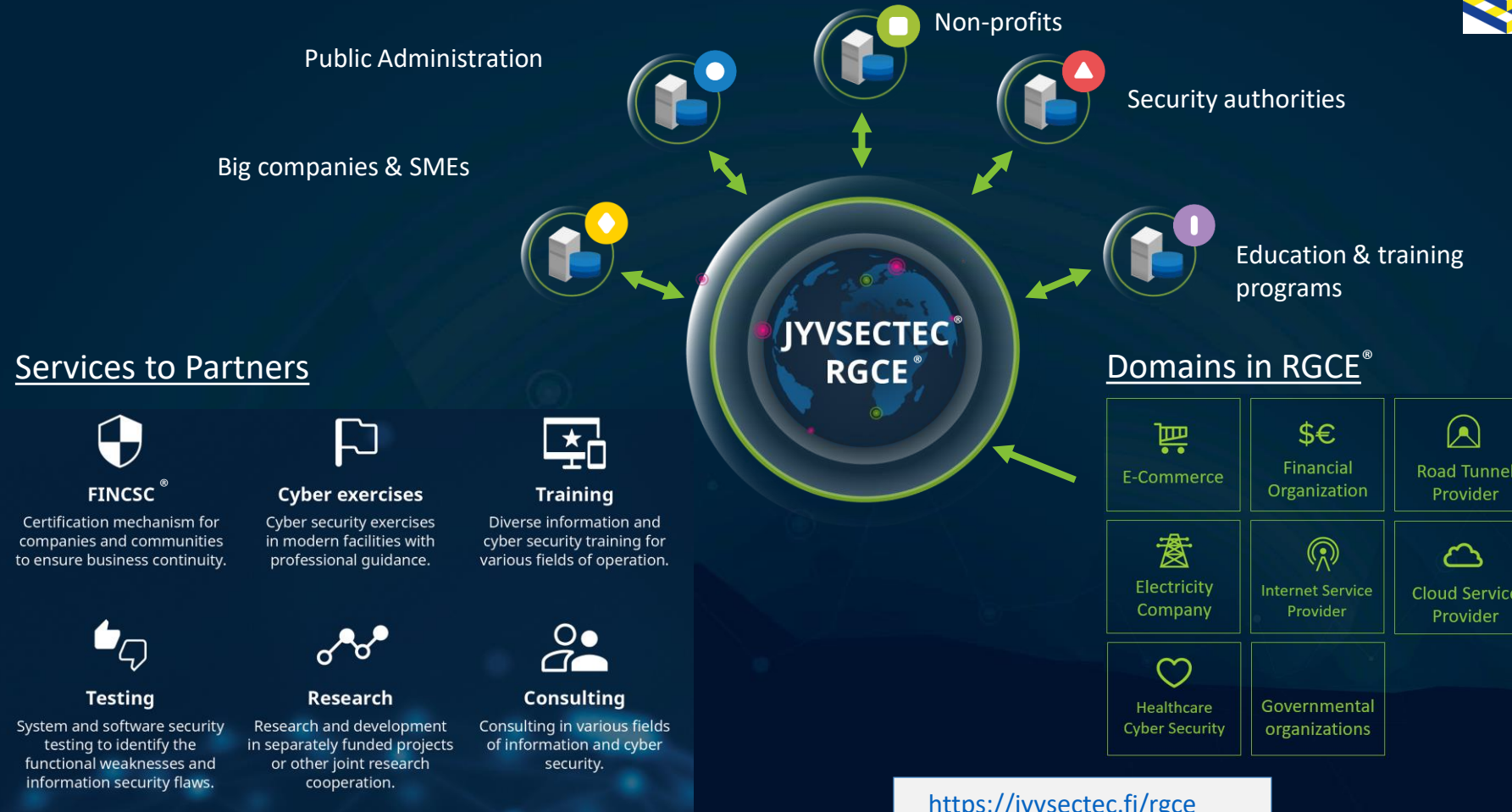
Leadership: Cyber providers
Main challenge: «Short term is hell ! »

Economic Accelerator

- Sourcing innovative SMEs
- Providing deployment capabilities
- Fostering final-user adoption
- Making innovations usable and affordable for SMEs
- Developing regional attractiveness for talents

Leadership: Regional institution
Main challenge: «Growth and Jobs»

JYVSECTEC® National Cyber Range Ecosystem in Finland



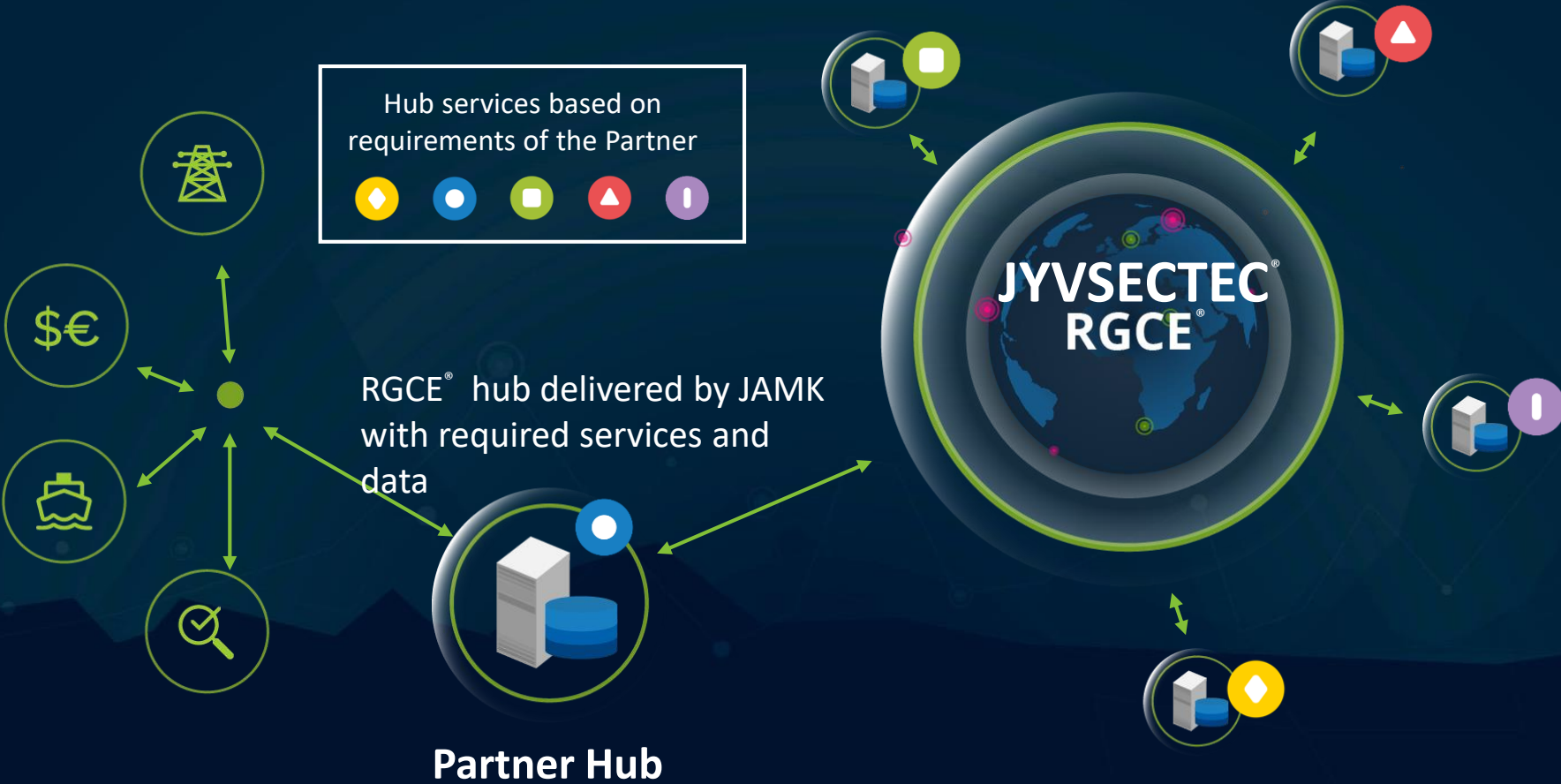
RGCE = Realistic Global Cyber Environment

<https://jyvsectec.fi/rgce>

www.jyvsectec.fi



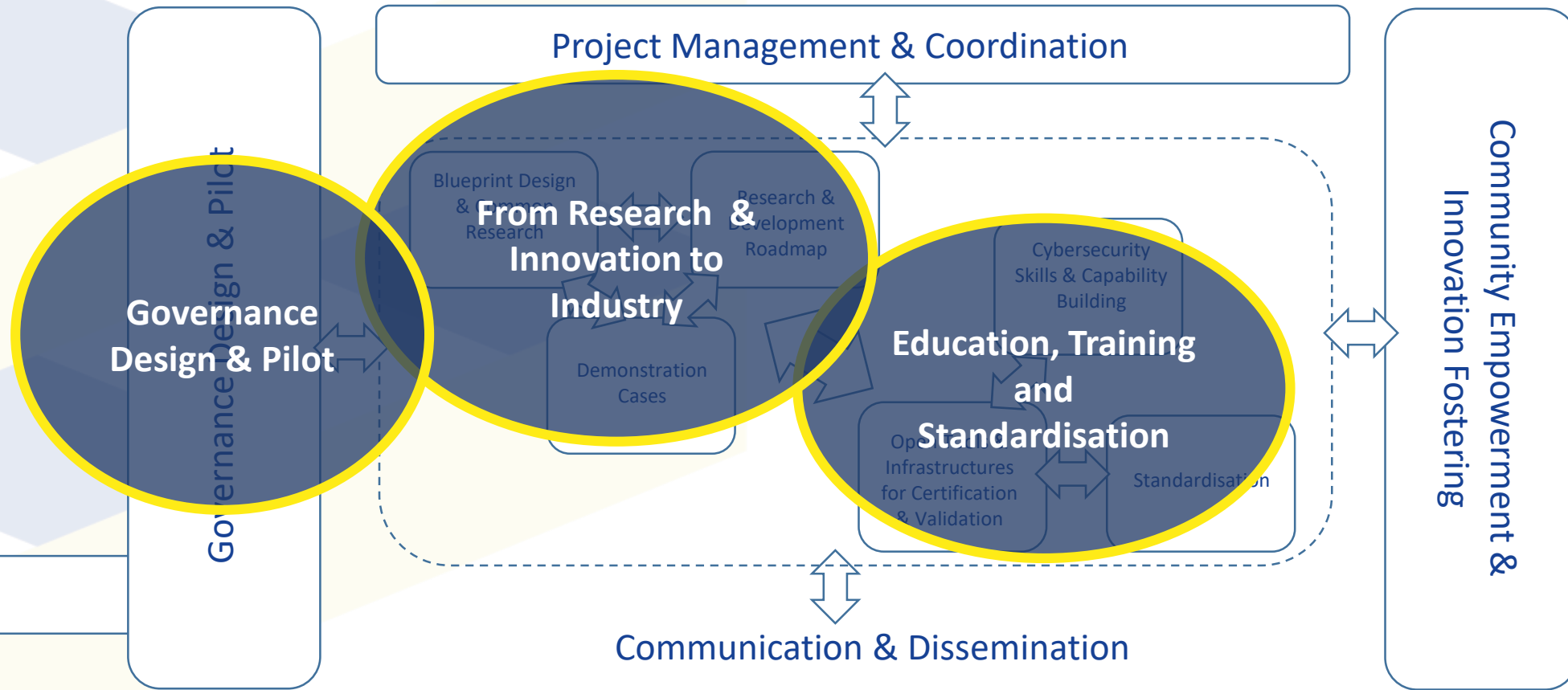
JYVSECTEC® International Hub Concept



www.jyvsectec.fi



Communication & Community Building





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MERCI

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