



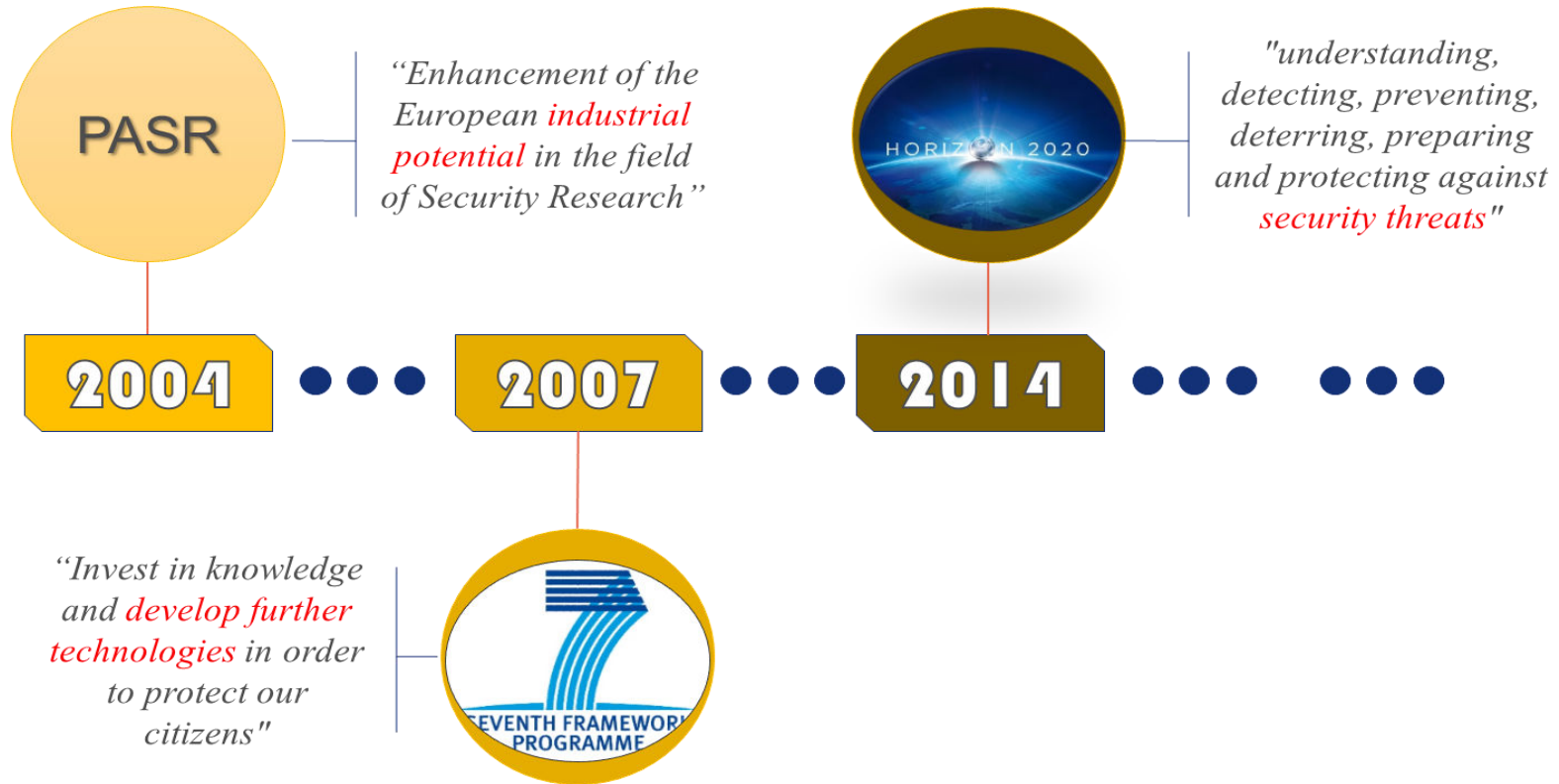
The challenge of innovation uptake of EU-funded Security Research Outcomes

Thursday, 16 March 2023

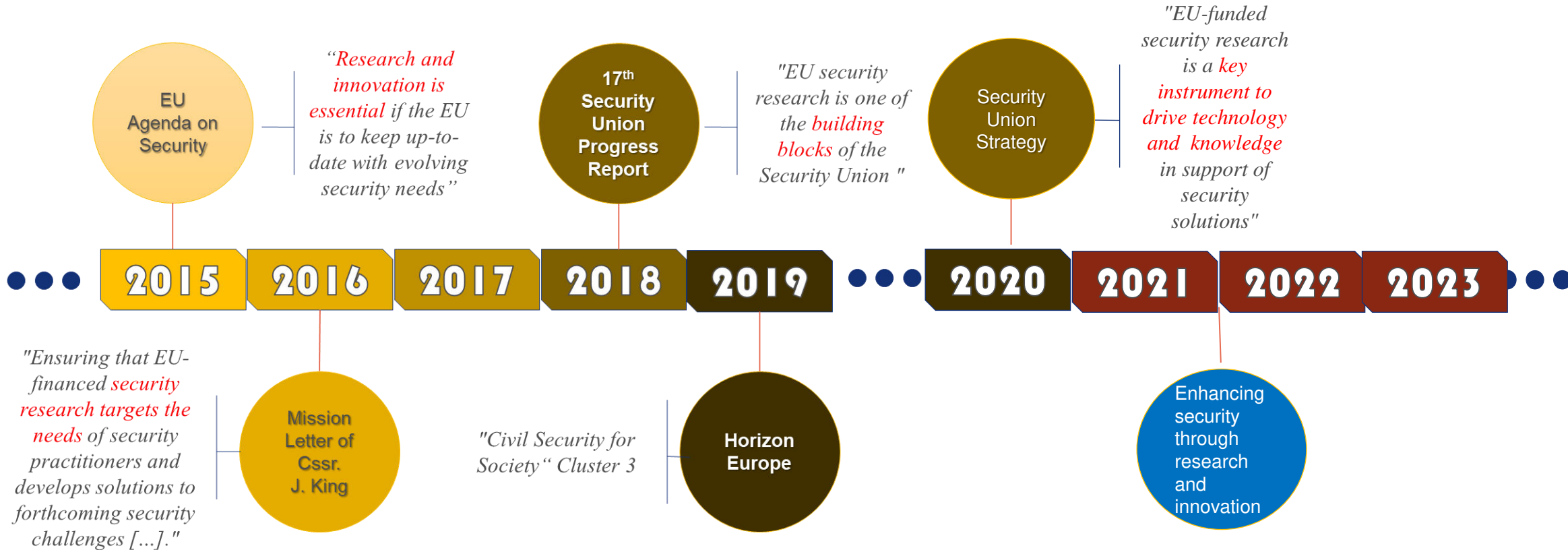
Third advanced security procurement conference – IprocureNet

*Giannis Skiadaresis
SSRI Area Coordinator
DG HOME - Innovation and Security Research
European Commission*

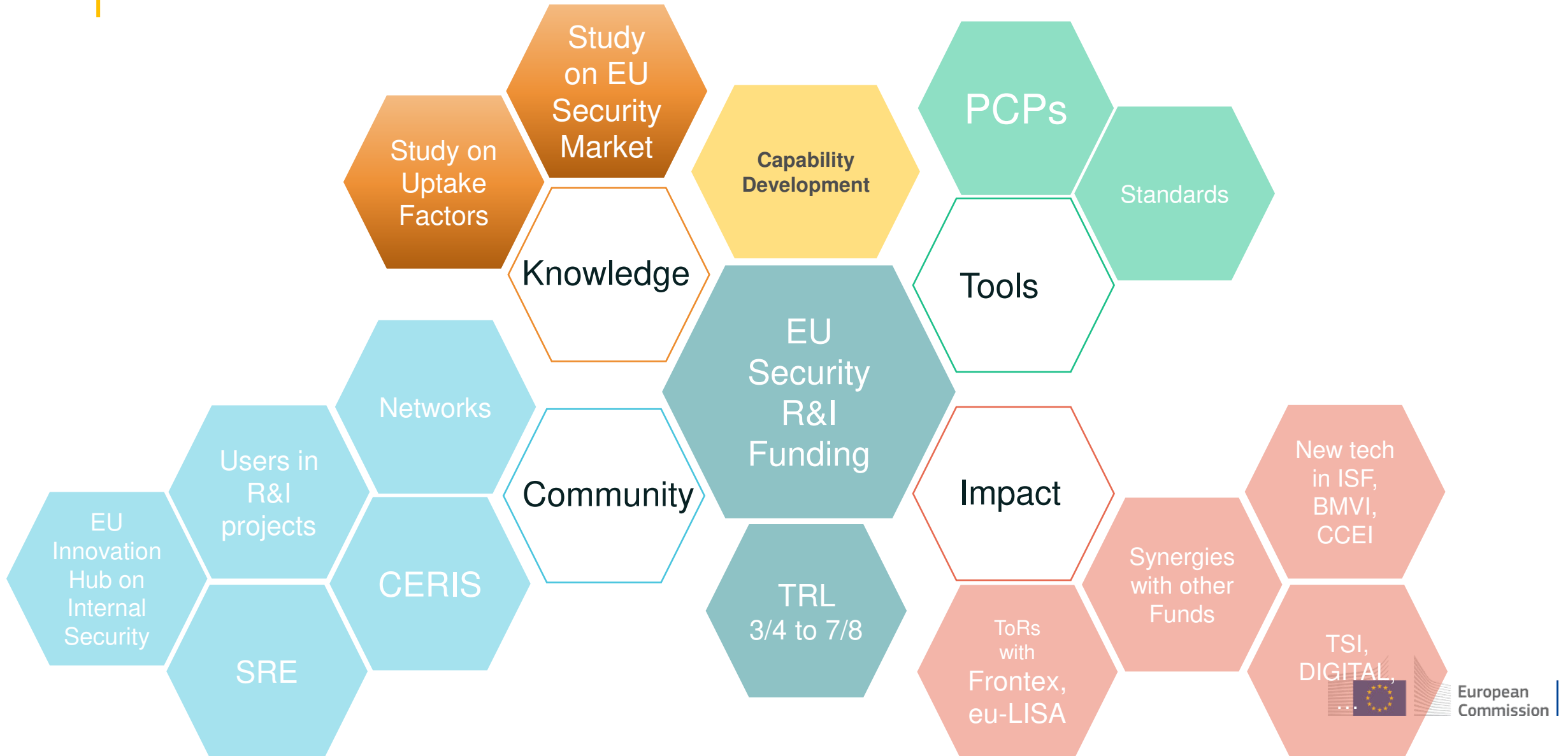
EU-funded Security Research: Then and now



EU-funded Security Research: Then and now



Addressing civil security innovation in the EU



The impact of EU-funded Security R&I

- Knowledge and Value creation is inherent to Research and Innovation
- What is the impact on our ultimate objective?

*Pour
memoire...*

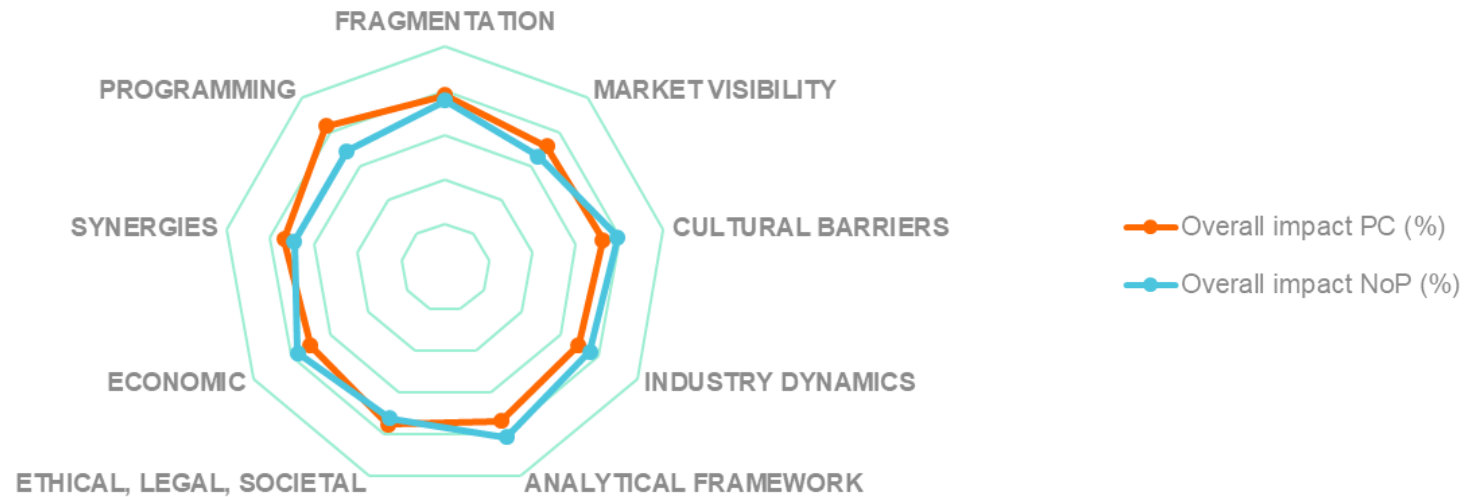
The protection of citizens, society and economy as well as Europe's assets, infrastructures and services, its prosperity, political stability and well-being

- Biggest challenge: **INNOVATION UPTAKE**
 - Do innovative technologies and knowledge get to the market?
 - Are innovative products acquired and deployed on the field?

A more impactful Security R&I investment

- **Security policy priorities will need modern capabilities enabled by innovative technology**
 - Investment in alignment with such priorities
 - Ensure that there is capacity to produce
 - Ensure that there is capacity and willingness to buy
- **Factors inherent to the Civil Security Market hinder innovation uptake**

→ Innovation Uptake



Hindering & Enabling factors*

- Protection and clarity of IP rights
- Quality of information flows & sharing
- Market fragmentation
- Insufficient output maturity for uptake
- Lack of foresight & evolving end user requirements
- Challenges associated with public acceptance
- Challenges of an institutional market
- Funding mechanisms
- Communication & dissemination of information
- Procurement mechanisms
- End-user involvement
- Partnerships & collaboration
- Testing & demonstrations

Challenges for security innovation uptake

Structural and market conditions present uptake challenges, such as:

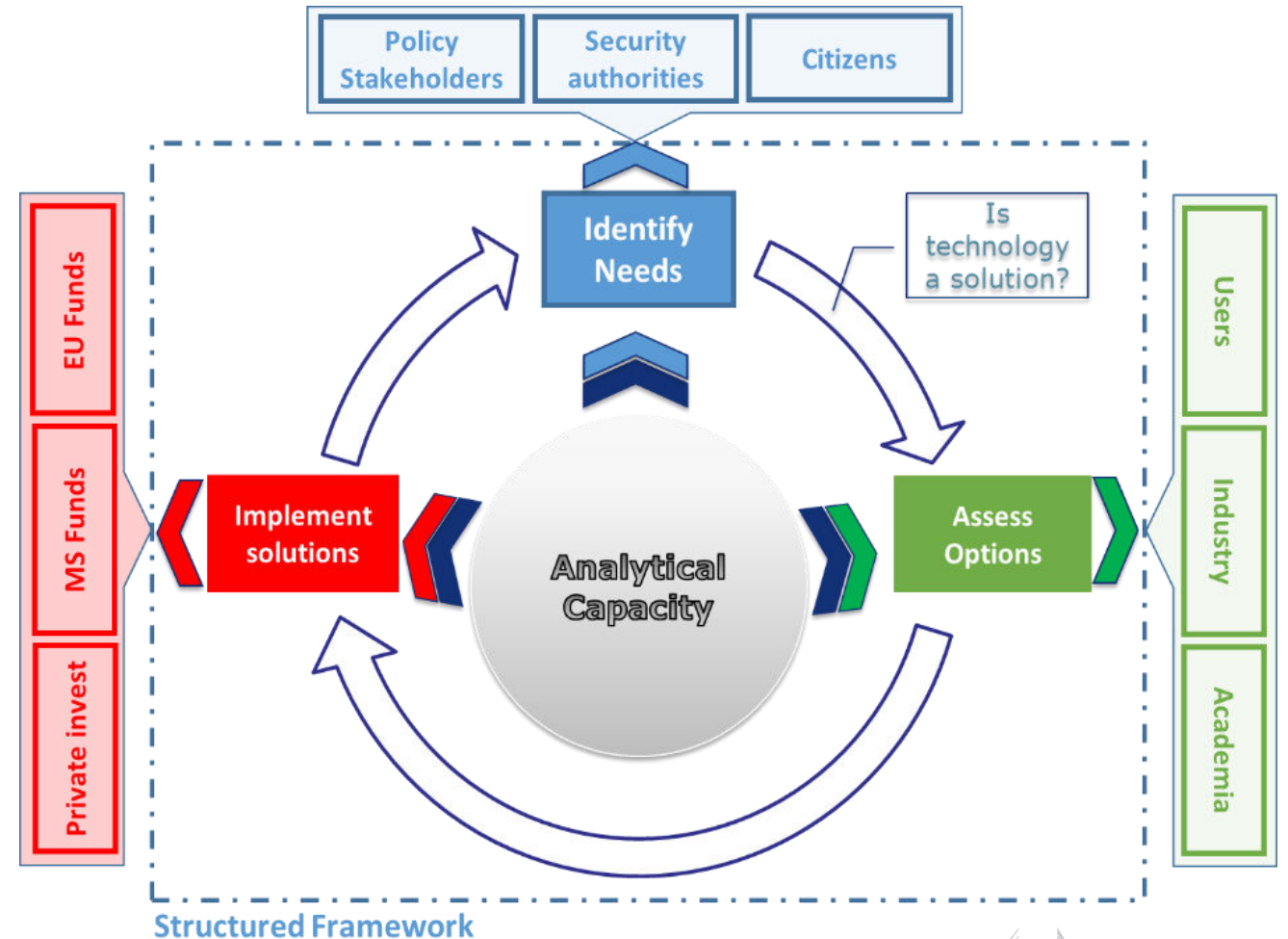
- Market fragmentation
- Institutionalised nature of end users and demand
- Cultural factors such as risk aversion

Security projects are also extremely difficult to track, due to factors such as:

- Long project timelines versus rapidly evolving threats and events
- Difficulties sustaining collaboration
- Lack of mechanisms for internal communication and exploitation support
- A lack of direct correlation between projects and products in the market
- Confidentiality requirements

Pursuing a forward-looking capability-driven approach in security

- How can we be better prepared when addressing current & future security challenges?
- ✓ Move from a reactive to a **proactive approach** in security, based on foresight, prevention & anticipation.
- ✓ Enable police authorities, border guards & first responders to identify & develop the capabilities they need for the future. **R&I** is key here.
- ✓ Use adequate funding instruments to acquire & implement innovative solutions.

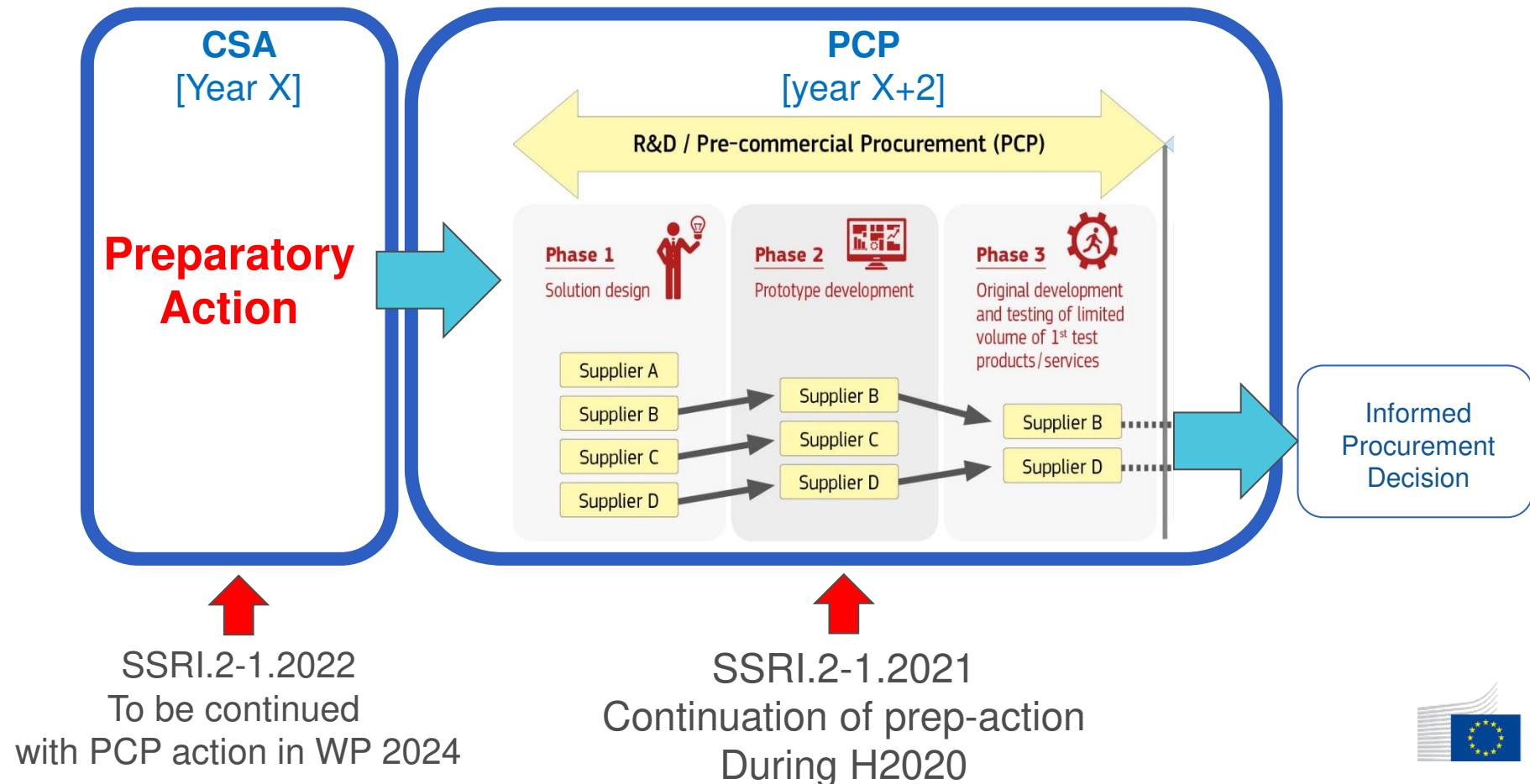


Meeting Capability Requirements

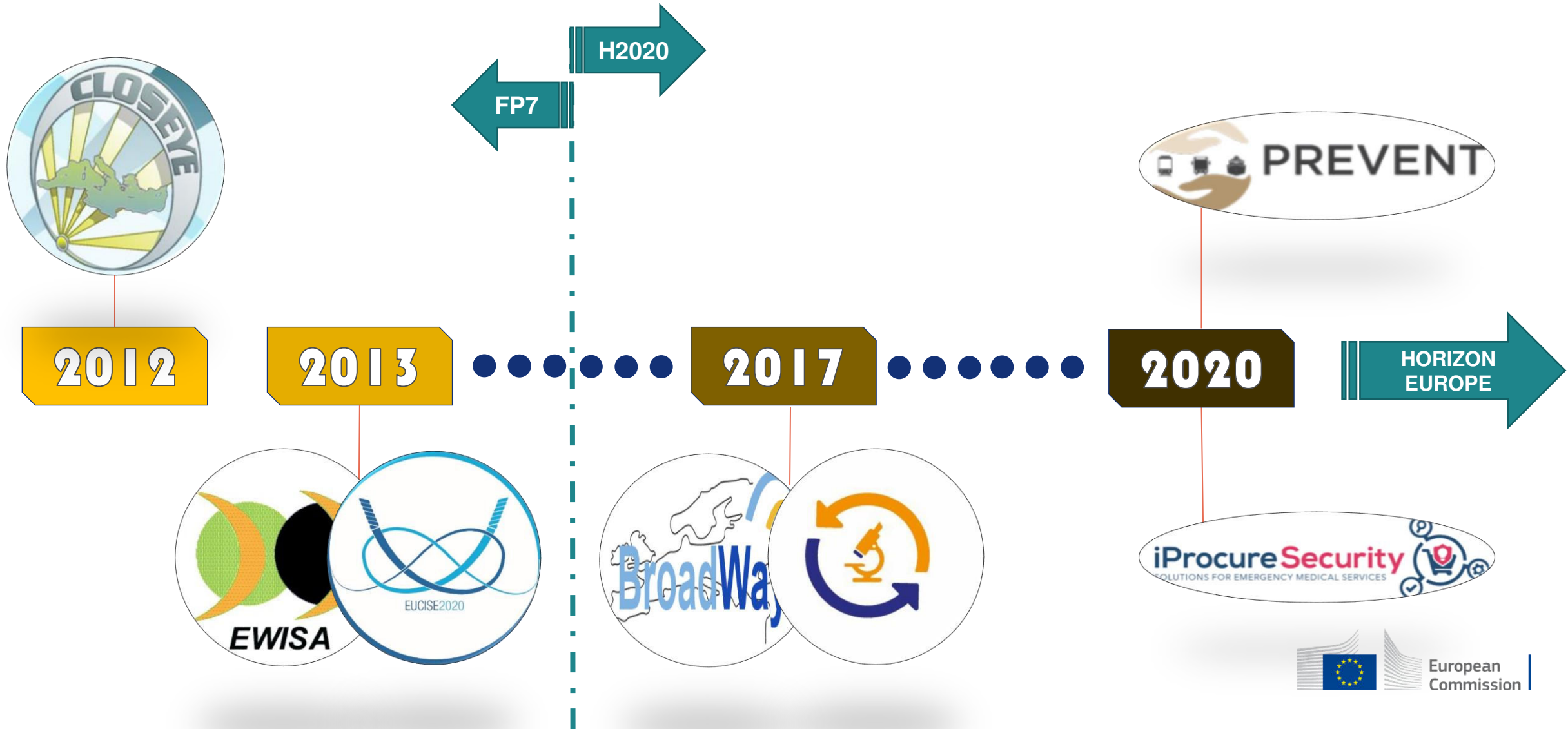
- R&I activity focusing on the final use of the generated knowledge and innovative technologies
- Capabilities expressed in terms of **THREATS** and **NEEDS**
- Non-prescriptive in terms of technologies, except when:
 - Technology itself can be a source of threat or a channel for its propagation;
 - There is a push at programme level for the development of strategic technologies;
 - There is a need to give continuity to previous research on one technology that proved effective to address a particular need.

Innovation Procurement

- PCP projects contribute to overcoming barriers to innovation uptake in civil security
- A two-stage approach for the implementation of PCP for security



EU-funded Security PCP projects



More Information and resources



[EU Innovation and Security Research](#)



[Community for European Research and Innovation for Security \(CERIS\)](#)



[Annual Security Research Event](#)



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Thank you



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