



Horizon Europe – Cluster 3

Civil Security for Society

27 May 2021

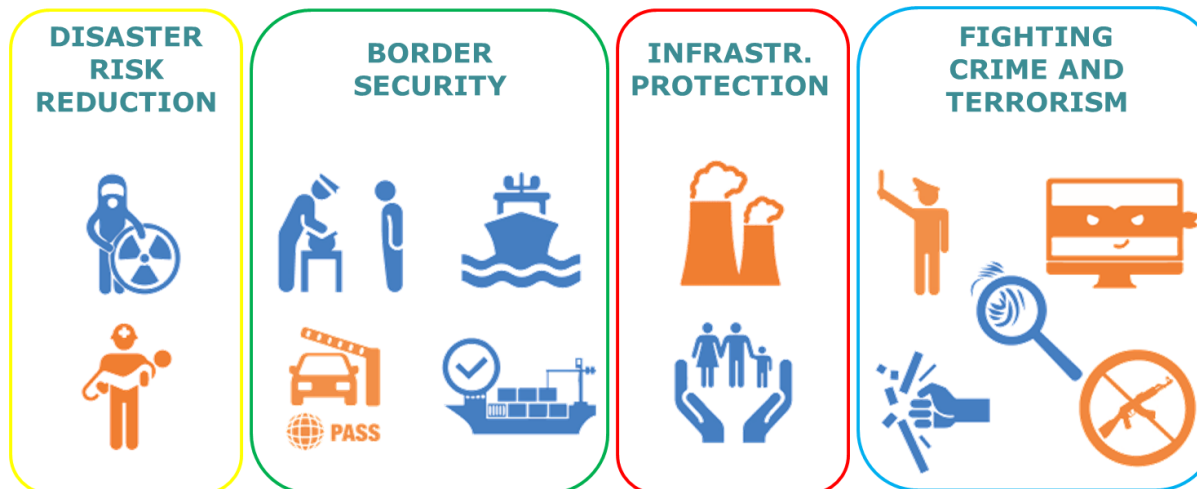
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Innovation and Industry for Security
European Commission – DG HOME

EU-funded Security R&I: Then and now



A new policy context

- **Policy priorities of the Commission, 6 headline ambitions:**
 - Including “An economy that works for people”, “A Europe fit for the digital age”, “Protecting European way of life”, “A stronger Europe in the world”
 - Role of innovative technologies / Importance of ensuring protection of citizens
- **Security priorities of the Commission:**
 - Strategic priority – A strong European Security Ecosystem
 - EU research innovation and technological development for security as key enabler



A new policy context

- **Industrial strategy for Europe:**
 - Boost investment and competitiveness – General framework
 - Security policies to capitalise and build on it bringing in the specificities of the sector
- **Open Strategic autonomy**
 - Europe open for business but also protecting our citizens;
 - Avoid undesired effects

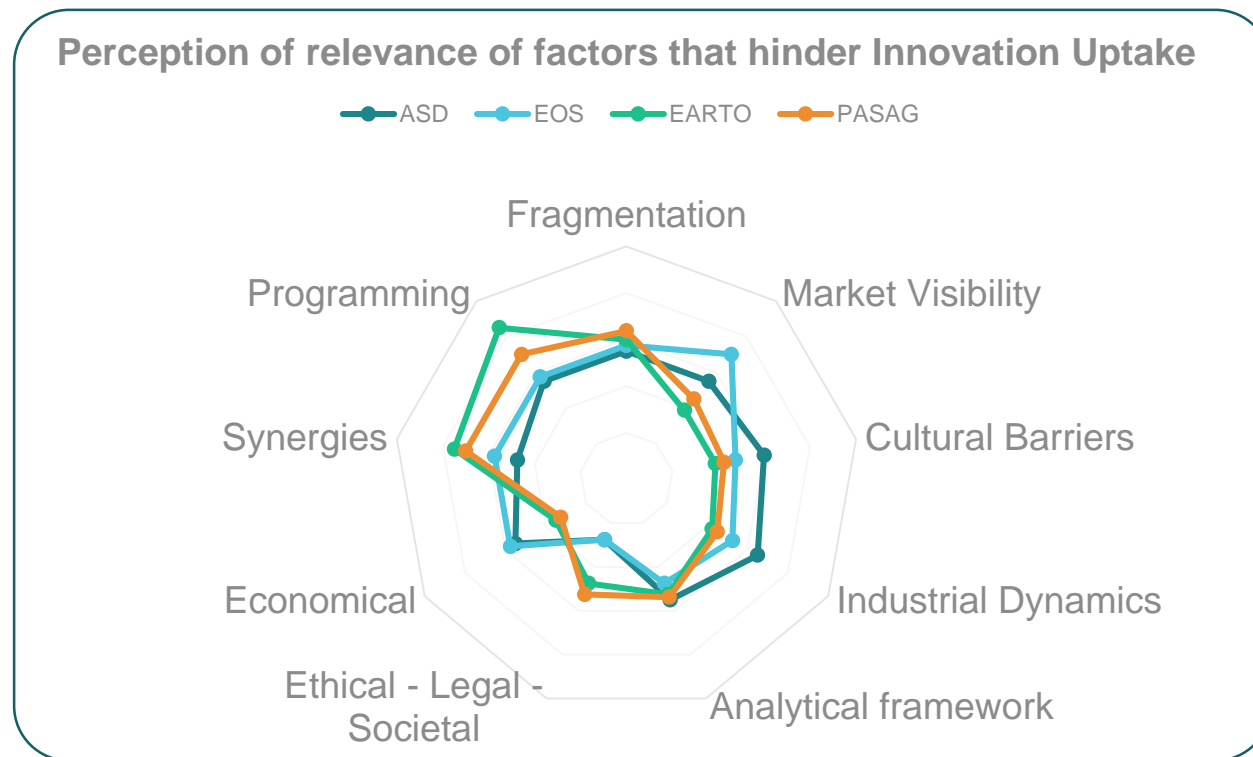
Vulnerabilities

Excessive
reliance

Weakening of
Security of
supply

A more impactful Security R&I investment

- **EU investment for the development of capabilities in support to Policy priorities**
 - Innovation can be decisive: modernisation / effectiveness / efficiency
 - Uptake of innovation remains a challenge



Core values of our strategy

- Ensure that security R&I maintains the focus on the final use of its outcomes **in alignment with policy priorities**;
- Contribute to a **forward-looking planning of EU security capabilities** that allows to anticipate solutions to future threats;
- Ensure the development of innovative security technologies that are **socially compatible**;
- Pave the way to **industrialisation, commercialisation, acquisition and deployment** of successful R&I outcomes;
- Safeguard **EU autonomy and technological sovereignty** in critical security areas by contributing to a more competitive and resilient EU security industrial base.

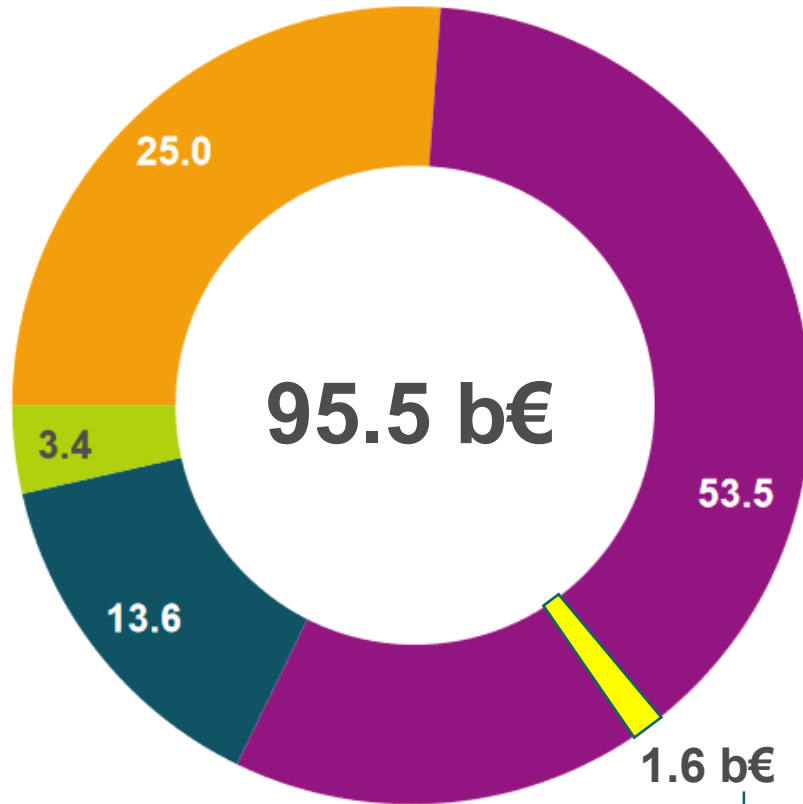
Three axis of transformation

- Security R&I programming needs to **acknowledge the different perspectives of all stakeholders**, including policy makers, security authorities, industry, researchers and citizens.
- The R&I cycle needs to be seamlessly integrated in a wider **forward-looking Capability Development Cycle for Civil Security** that is capable of triggering research, steering its implementation and capitalising on its outcomes.
- The barriers that impede a **seamless uptake of innovation**, and thus its transition to the operational domain, need to be identified and removed.

End-user drive

- Projects need to clearly demonstrate how they are able to satisfy needs expressed by relevant end-users
- The mandatory participation of End-Users in research is confirmed also under Horizon Europe
- Increased role of EU Agencies in defining requirements and steering projects.

Horizon Europe Budget



Political agreement December 2020
€ billion in current prices

- Excellent Science
- Global challenges and European ind. comp.
- Innovative Europe
- Widening Part and ERA

Cluster 3 – Civil Security for Society

Horizon Europe Strategic Plan 2021 - 2024

Cluster 1

Cluster 2

Cluster 3

Cluster 4

Cluster 5

Key Strategic Orientation A

Promoting an open strategic autonomy by leading the development of key digital, enabling and emerging technologies, sectors and value chains to accelerate and steer the digital and green transitions through human-centred technologies and innovations

Key Strategic Orientation B

Restoring Europe's ecosystems and biodiversity, and managing sustainably natural resources to ensure food security and a clean and healthy environment

Cluster 1

Cluster 4

Cluster 5

Cluster 6

Cluster 1

Cluster 4

Cluster 5

Cluster 6

Key Strategic Orientation C

Making Europe the first digitally enabled circular, climate-neutral and sustainable economy through the transformation of its mobility, energy, construction and production systems

Key Strategic Orientation D

Creating a more resilient, inclusive and democratic European society, prepared and responsive to threats and disasters, addressing inequalities and providing high-quality health care, and empowering all citizens to act in the green and digital transitions

Cluster 1

Cluster 2

Cluster 3

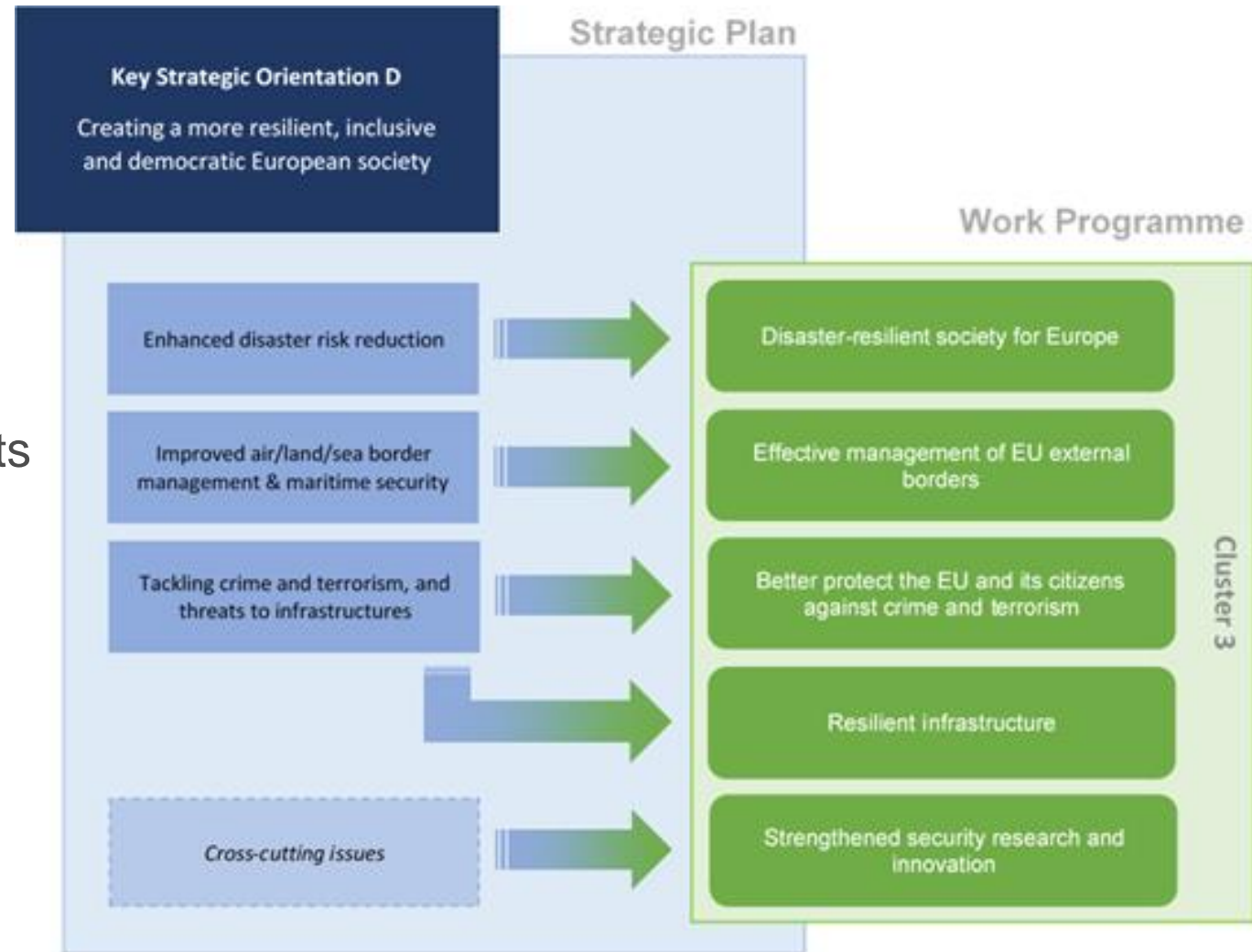
Cluster 4

Cluster 5

Cluster 6

Horizon Europe Strategic Plan

- Cluster 3: Supporting EU-wide response to security challenges
 - A resilient and more stable Europe
 - Increased awareness of societal aspects
 - A competitive EU security industry
 - From reactive to proactive



HE CLUSTER 3: Civil Security for Society

- A work programme structured in 6 destinations



Supporting EU policy priorities
Meeting Capability requirements
Ensuring ethical outcomes that are supported by society
Exploiting synergies and creating market opportunities

HE CL3 - Policy Priorities

- R&I priorities alligned with security Policy priorities

Policy document	FCT	BM	INFRA	DRS
Action Plan on Firearms trafficking	Yellow			
Action Plan to support protection of public spaces	Yellow			
Civil-military Research Agenda for Maritime Security		Green		
Counter Terrorism Agenda	Yellow			
Critical infrastructure Directive			Red	
EU Civil protection mechanism			Red	Blue
EU Climate Adaptation strategy			Red	Blue
EU Customs Union Action Plan		Green		
EU Green deal				Blue
EU Maritime security research agenda		Green		
Joint Communication on Hybrid Threats			Red	
Joint Framework on Countering Hybrid Threats			Red	
Maritime Security Action Plan		Green		
New Pact on Migration and Asylum	Yellow	Green		
NIS Directive			Red	
Paris agreement				Blue
Sendai Framework for Disaster Risk Reduction				Blue
Security Union Strategy	Yellow	Green	Red	Blue
Sustainable Development Goals				Blue

Better protect the EU and its citizens against Crime and Terrorism (FCT)

- Expected impact of the Horizon Europe Strategic Plan 2021-2024
 - *“Crime and terrorism are more effectively tackled, while respecting fundamental rights, [...] thanks to more powerful prevention, preparedness and response, a better understanding of related human, societal and technological aspects, and the development of cutting-edge capabilities for police authorities [...] including measures against cybercrime.”*
- R&I contribution:
 - Modern information analysis;
 - Improved forensics and lawful evidence collection;
 - Societal issues related to various forms of crime;
 - Increased security of in public spaces;
 - Improved intelligence picture;
 - More secure cyberspace for citizens, especially children.



Effective Management of EU External Borders (BM)

- Expected impact of the Horizon Europe Strategic Plan 2021-2024
 - *“Legitimate passengers and shipments travel more easily into the EU, while illicit trades, trafficking, piracy, terrorist and other criminal acts are prevented, due to improved air, land and sea border management and maritime security including better knowledge on social factors.”*
- R&I contribution:
 - Improved security of EU land and air borders, as well as sea borders and maritime environment, infrastructures and activities;
 - Improved border crossing experience for travellers and border authorities staff;
 - Monitoring of movements across air, land and sea EU external borders for people and goods;
 - Protecting fundamental rights of travellers;
 - Improved customs and supply chain security minimising disruption to trade flows.



Resilient Infrastructure (INFRA)



- Expected impact of the Horizon Europe Strategic Plan 2021-2024
 - “[...] resilience and autonomy of physical and digital infrastructures are enhanced and vital societal functions are ensured, thanks to more powerful prevention, preparedness and response, a better understanding of related human, societal and technological aspects, and the development of cutting-edge capabilities for [...] infrastructure operators [...]”
- R&I contribution:
 - Ensured resilience of large-scale interconnected systems infrastructures;
 - Enable rapid, effective, safe and secure response and without substantial human intervention;
 - Better assess risks ensuring resilience and strategic autonomy of EU infrastructures;
 - Resilient and secure smart cities.

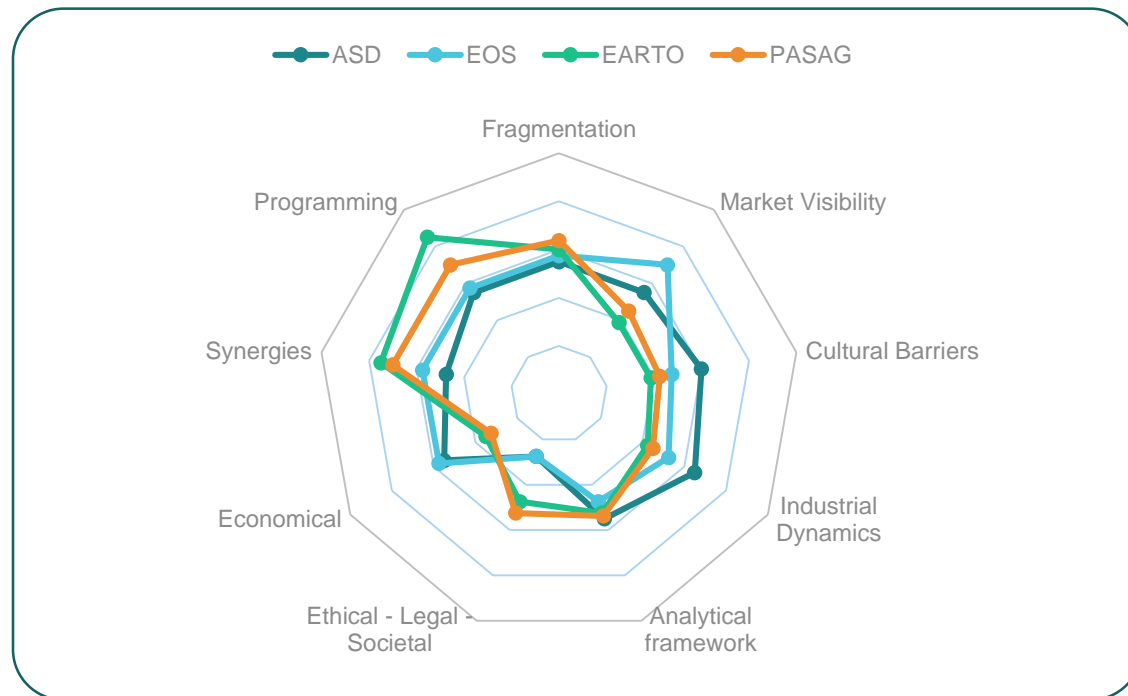
Disaster-Resilient Society for Europe (DRS)



- Expected impact of the Horizon Europe Strategic Plan 2021-2024
 - *Losses from natural, accidental and man-made disasters are reduced through enhanced disaster risk reduction based on preventive actions, better societal preparedness and resilience and improved disaster risk management in a systemic way*
- R&I contribution:
 - Enhanced understanding and improved knowledge and situational awareness;
 - More efficient cross-sectoral, cross-disciplines, cross-border coordination from international to local levels;
 - Enhanced sharing of knowledge and coordination regarding standardisation in the area of crisis management and CBRN-E.

Strengthened Security R&I (SSRI)

- **EU investment for the development of capabilities supporting policy priorities**
 - Innovation can be decisive: modernisation / effectiveness / efficiency
 - Uptake of innovation remains a challenge



- Create a favourable environment to generate specific knowledge
- Foster a structured dialogue and coordinated action among market actors;
- Exploit catalysts of uptake
- Conduct cross-cutting security research.

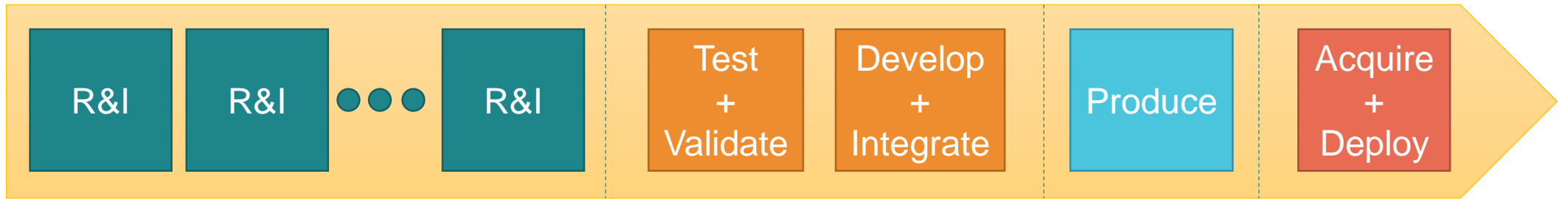
Strengthened Security R&I (SSRI)

- Strengthening the Security R&I ecosystem with:
 - A stronger, more systematic and **analysis-intensive** security research and innovation cycle
 - E.g. Analysis tools, processes, performance indicators, networking;
 - **Increased industrialisation, commercialisation, adoption and deployment** of successful outcomes of security research for a more competitive and resilient EU industry which safeguards the **security of supply** of EU-products in critical security areas
 - E.g. Innovation Procurement, Standardisation, Valorisation of results;
 - R&I-enabled knowledge and value in **cross-cutting matters** reduces sector specific bias and breaks thematic silos that lead to fragmented markets
 - E.g. Societal, enabling technologies



Synergies by design

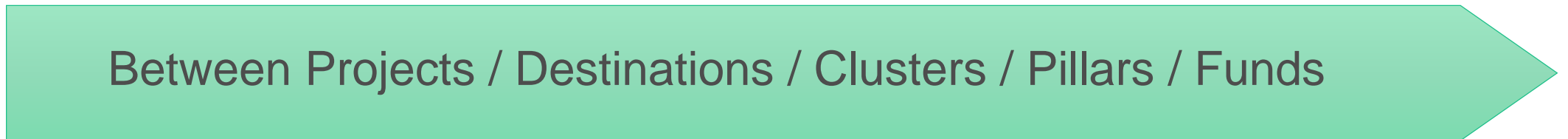
Why



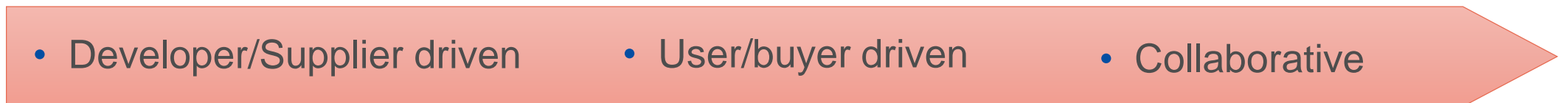
What



How

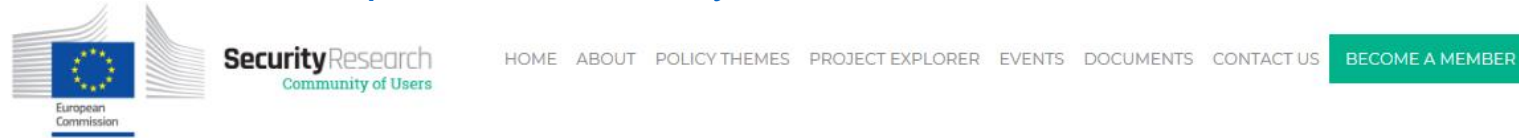


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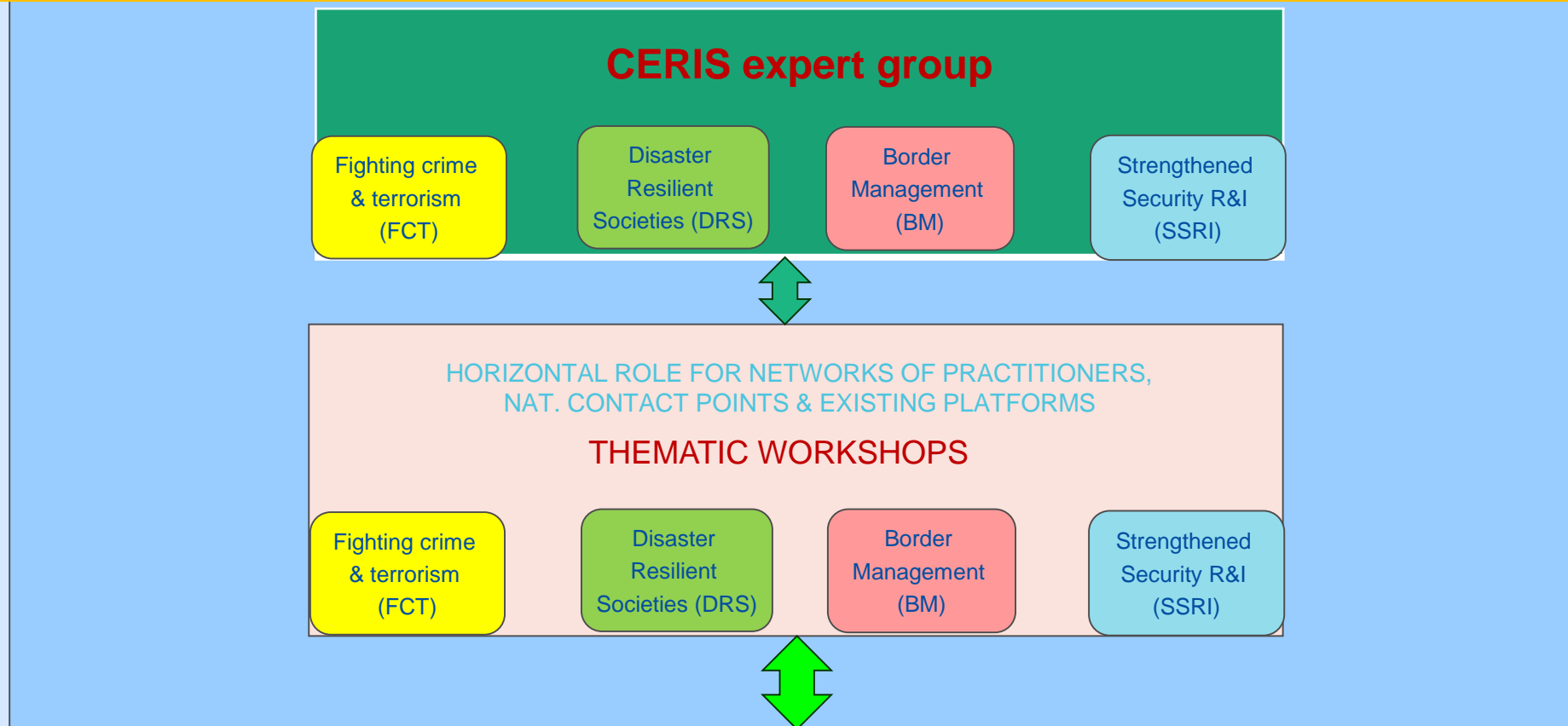


CoU evolves into CERIS

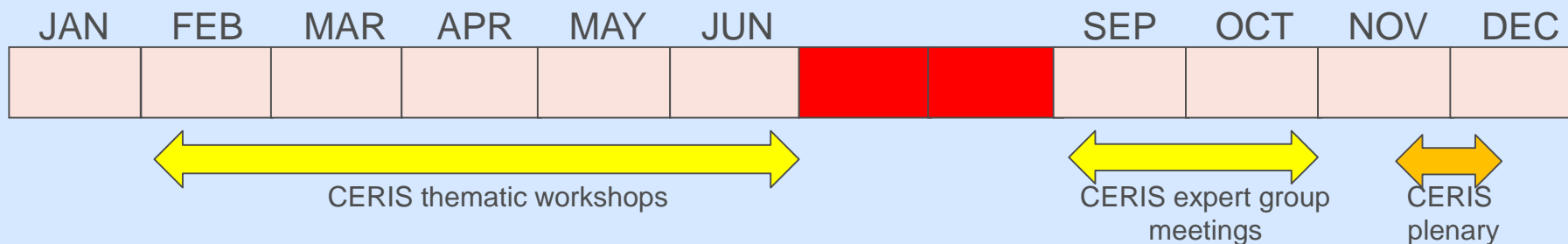
<https://www.securityresearch-cou.eu/>



Community for European Research and Innovation for Security (CERIS)



NATIONAL & REGIONAL PLATFORMS



Thanks!!



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Getting started

Are you interested in applying for funding through the Horizon Europe?
On the [Funding and Tenders Portal](#) you can see which topics are currently open for applications.

Check out the on-line training [webinars](#)

You can read more about the Horizon Europe programme at the [Horizon Europe web page](#).

