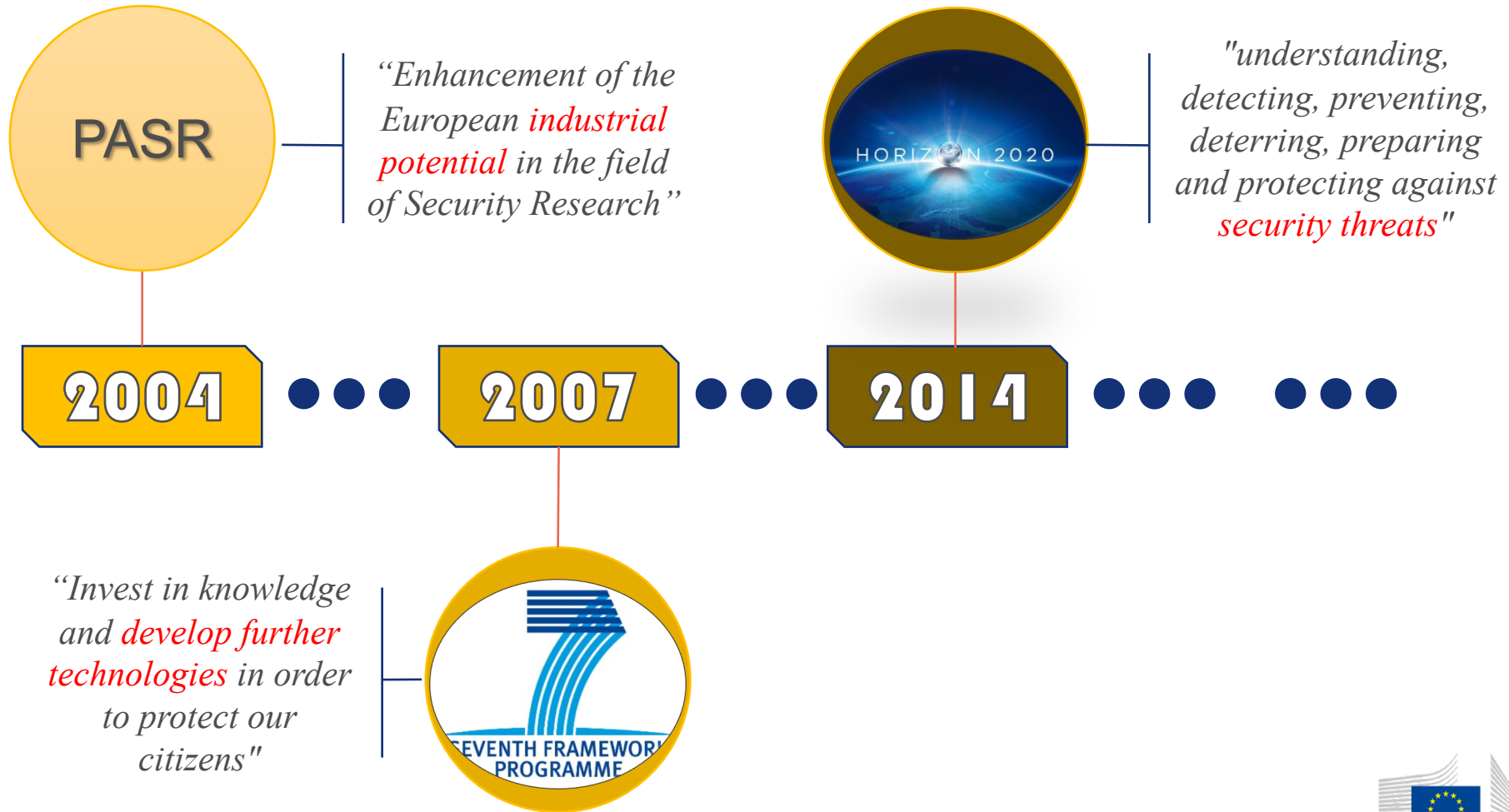# Interacting with the Networks of Practitioners
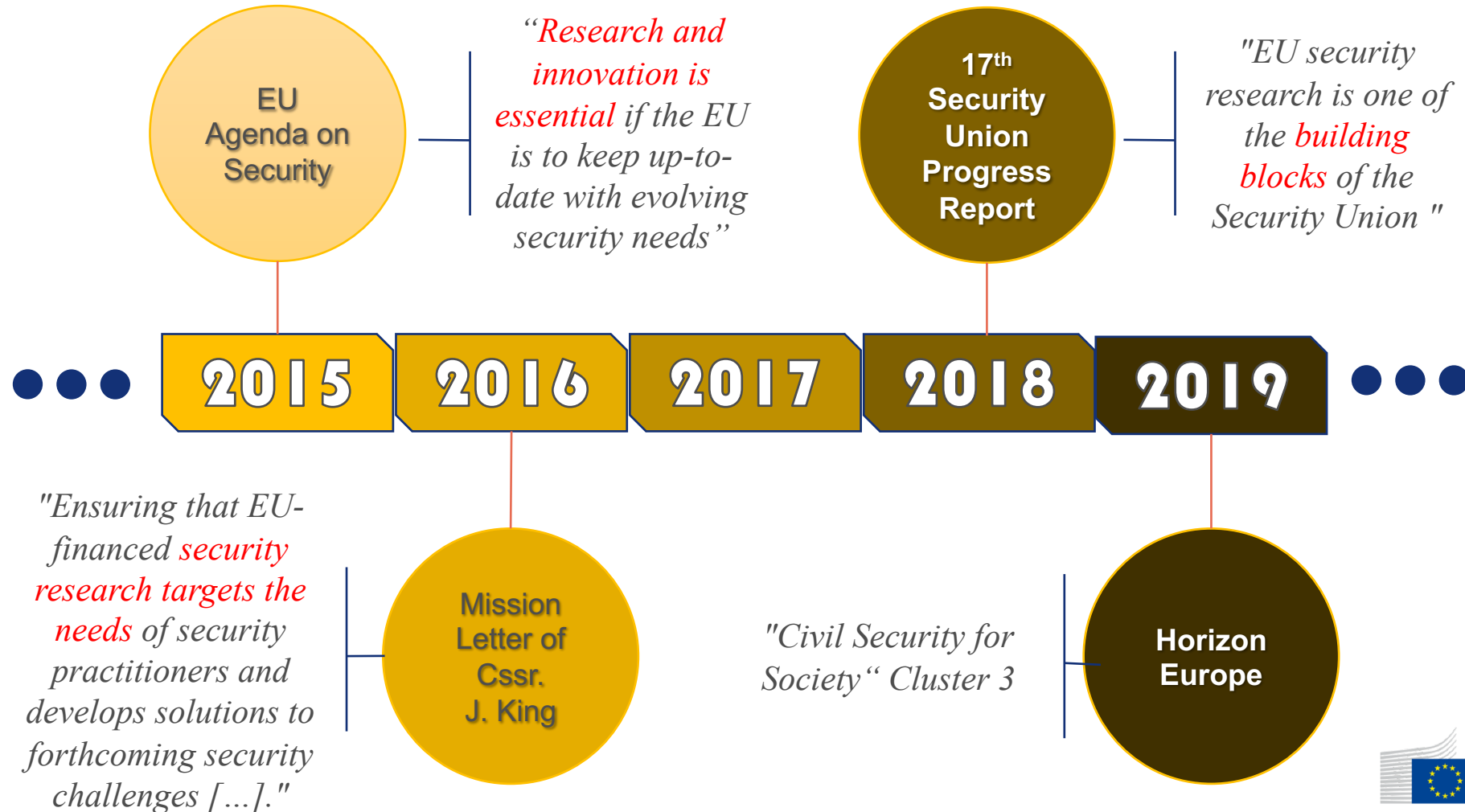
Addressing Practitioner Needs and their contribution to Secure Societies under H2020

David RIOS MORENTIN
Project & Policy Officer
Innovation and Industry for Security
European Commission – DG HOME

European Commission

EU-funded Security Research: Then and now

PASR

"Enhancement of the European industrial potential in the field of Security Research"

2004

"Invest in knowledge and develop further technologies in order to protect our citizens"

SEVENTH FRAMEWORK PROGRAMME

2007

HORIZON 2020

"understanding, detecting, preventing, deterring, preparing and protecting against security threats"

2014

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EU-funded Security Research: Then and now

EU Agenda on Security

"Research and innovation is essential if the EU is to keep up-to-date with evolving security needs"

17th Security Union Progress Report

"EU security research is one of the building blocks of the Security Union "

2015 2016 2017 2018 2019

"Ensuring that EU-financed security research targets the needs of security practitioners and develops solutions to forthcoming security challenges [...]."

Mission Letter of Cssr. J. King

"Civil Security for Society" Cluster 3

Horizon Europe

European Commission

Addressing some of our main concerns

QA5a What do you think are the two most important issues facing the EU at the moment? (% - EU)

34 IMMIGRATION
24 CLIMATE CHANGE
18 ECONOMIC SITUATION
15 THE STATE OF MEMBER STATES' PUBLIC FINANCES
15 TERRORISM
14 THE ENVIRONMENT
12 UNEMPLOYMENT
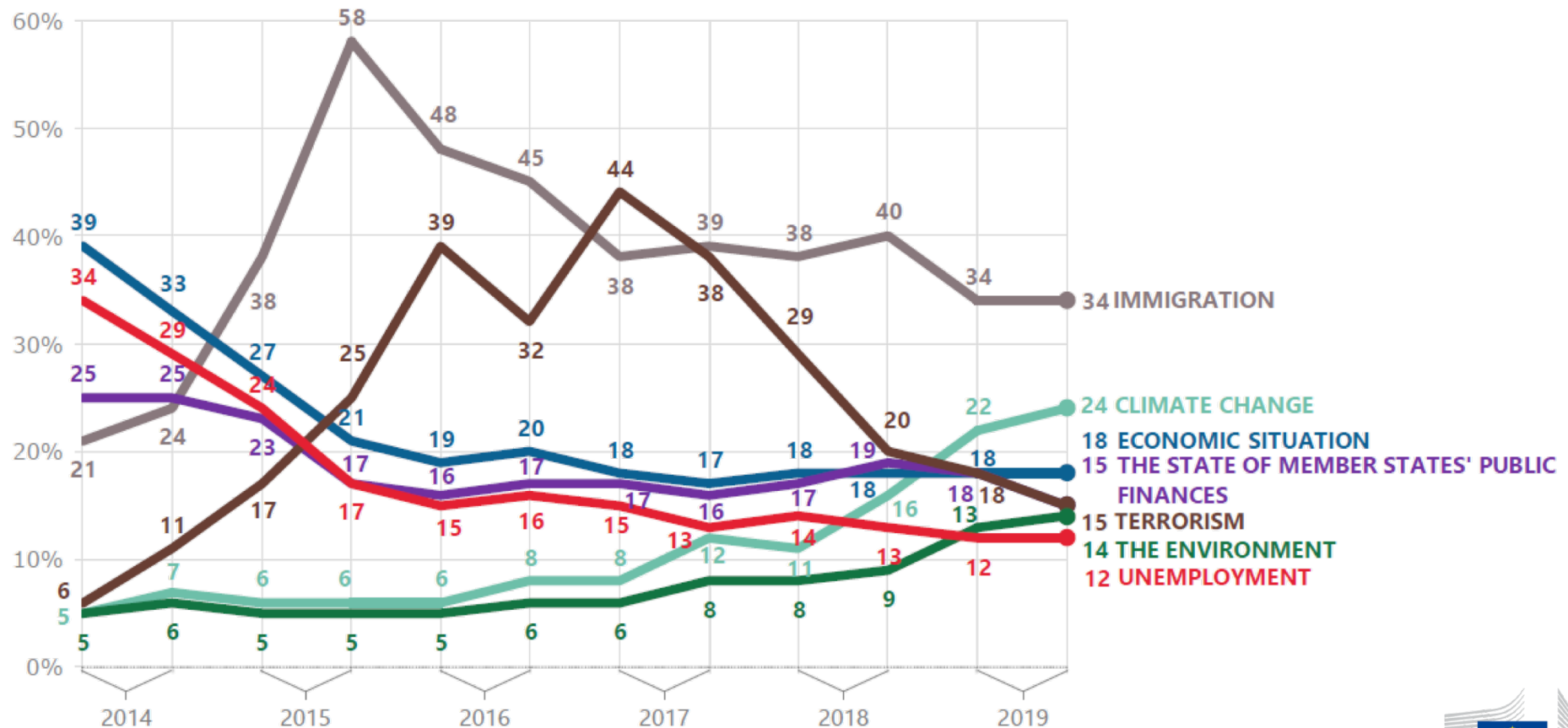
The impact of EU-funded Security R&I

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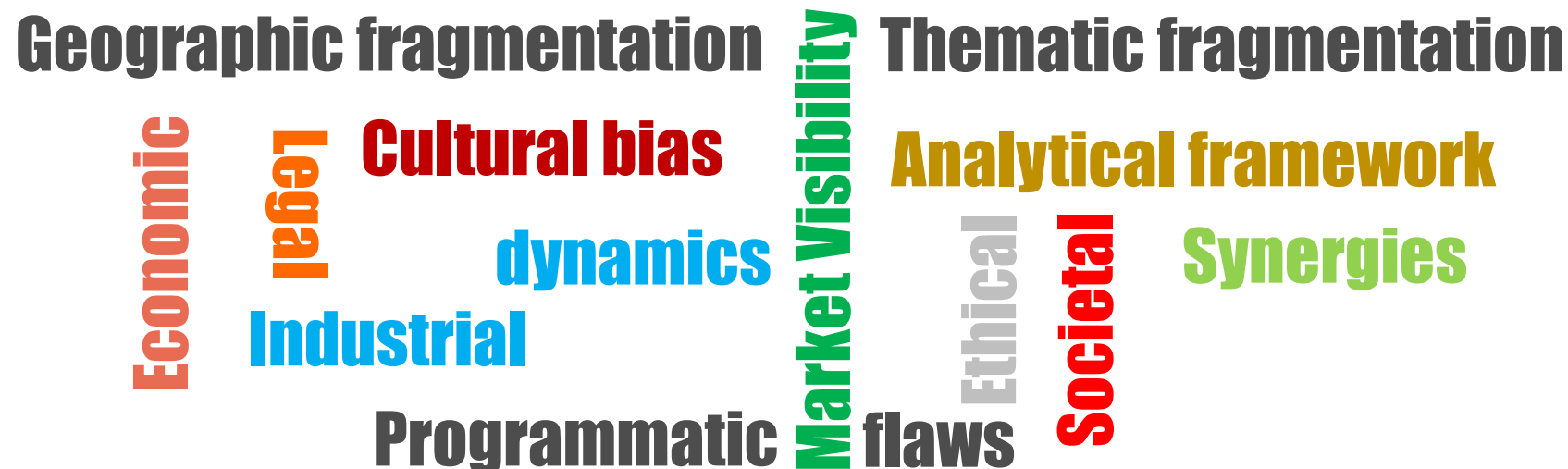
- What is the impact on our ultimate objective?

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*

- Our biggest challenge: **INNOVATION UPTAKE**

  - Do technologies and knowledge get to the market?
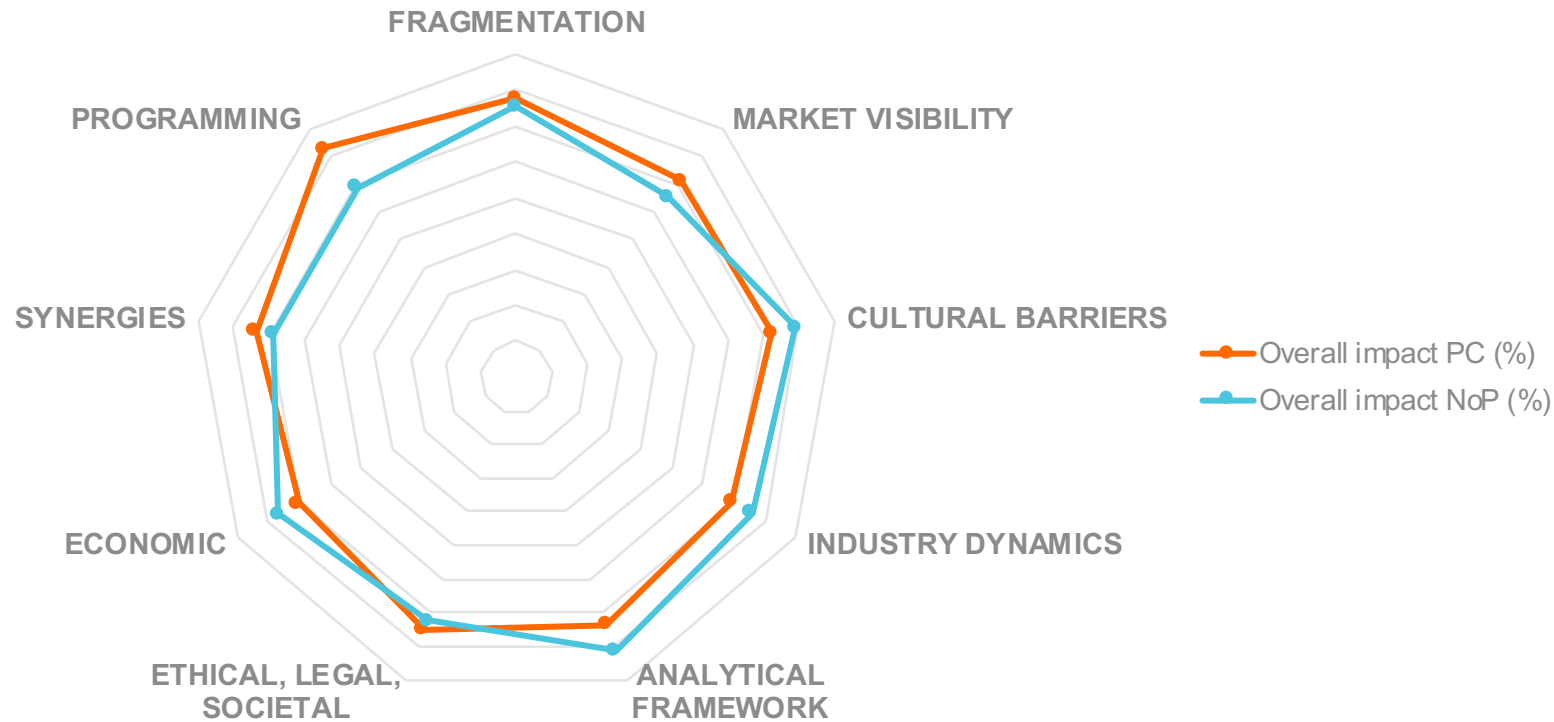
  - Do products get to the market?

Limiting factors

- Current Security Research system actually works…

- …but there is margin for improvement to increase the market of innovative solutions

- A number of factors inherent to the security sector affect negatively the innovation uptake rate of EU-funded security research projects

Geographic fragmentation **Thematic fragmentation**

Economic **Legal** **Cultural bias** **Market Visibility** **Analytical framework**

dynamics

Industrial **Ethical** **Societal** **Synergies**

Programmatic **flaws**

Limiting factors

Impact of limiting factors on the uptake of innovation
(EC online consultation)

FRAGMENTATION

MARKET VISIBILITY

CULTURAL BARRIERS

INDUSTRY DYNAMICS

ANALYTICAL FRAMEWORK

ETHICAL, LEGAL, SOCIETAL

ECONOMIC

SYNERGIES

PROGRAMMING

Overall impact PC (%)
Overall impact NoP (%)

Addressing limiting factors

Geographic fragmentation

Thematic fragmentation

Market Visibility

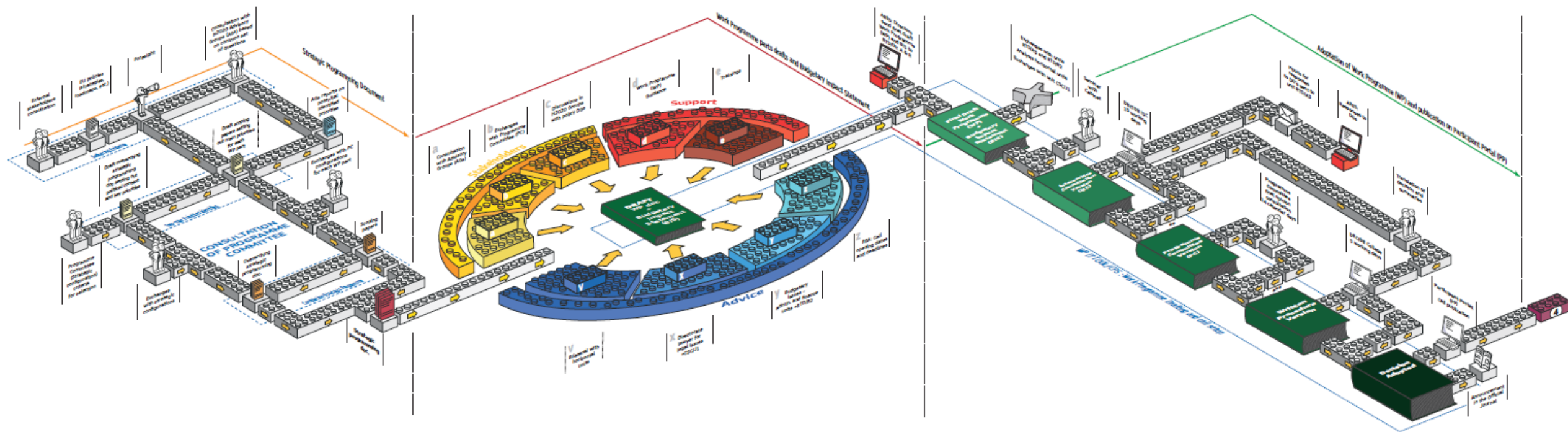Analytical framework

Programmatic flaws

Synergies

Cultural bias

**Networks
Of
Practitioners**

Increase the impact of EU-funded Security R&I

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Addressing limiting factors

H2020 Work Programme preparation lifecycle *

Addressing limiting factors

Policy makers
Authorities
Industry
Researchers
Citizens
EU Projects
Other Projects
…
…

NoP
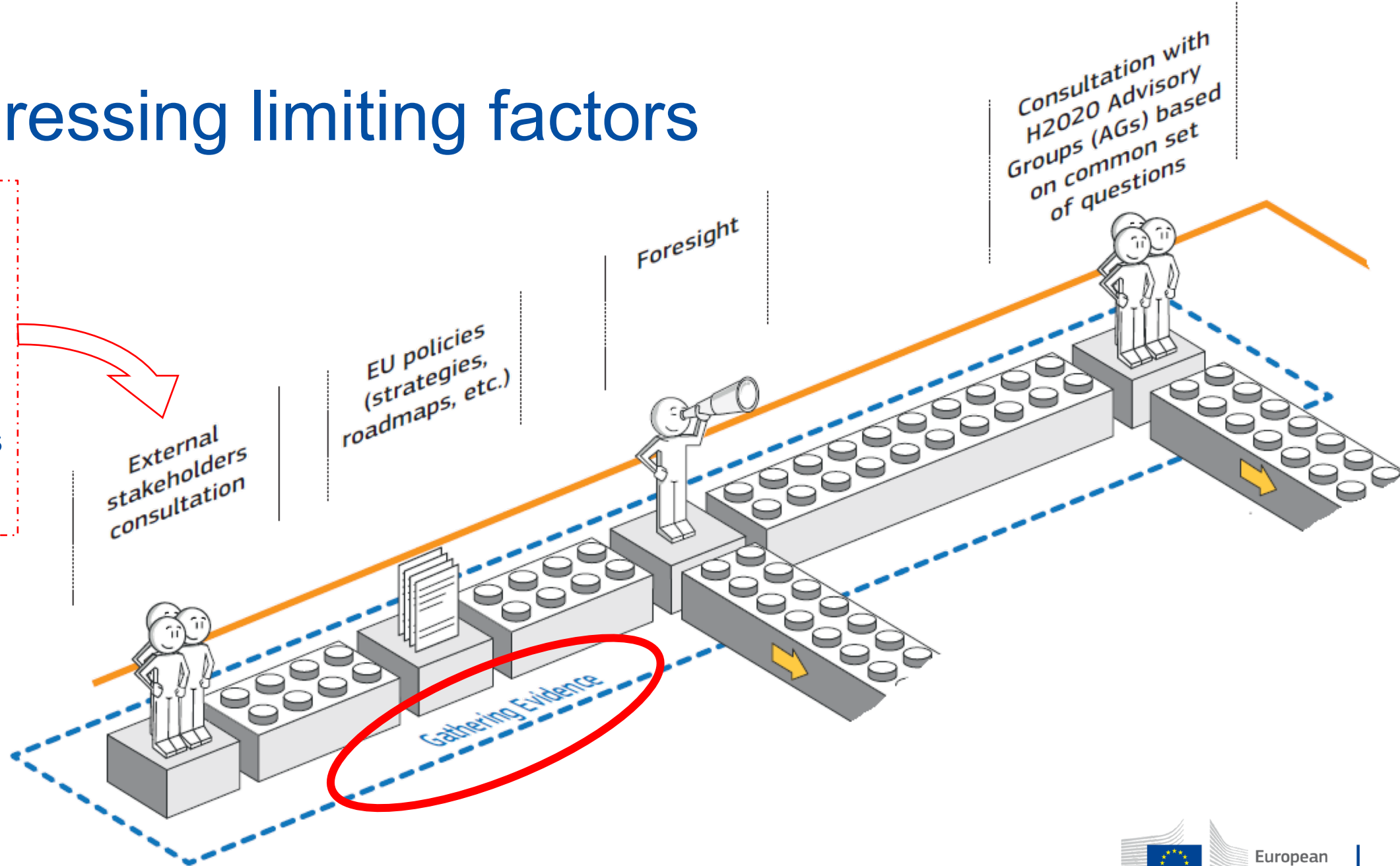
External stakeholders consultation

EU policies (strategies, roadmaps, etc.)

Foresight

Consultation with H2020 Advisory Groups (AGs) based on common set of questions

Gathering Evidence

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SU-GM01-2018-2019-2020
Pan-European Networks of Practitioners and other actors in the field of security

- a. [2019-2020] Practitioners (end-users) in the same discipline and from across Europe are invited to get together: 1) to monitor research and innovation projects with a view to recommending the uptake or the industrialisation of results, 2) to express common requirements as regards innovations that could fill capability and other gaps and improve their future performance, and 3) to indicate priorities as regards areas requiring more standardisation.

  - Type of action: Coordination and Support Action

  - Estimated EU contribution per project: EUR 3,5M

  - Recommended duration: 5 years

  - Two disciplines covered. Only one of each category to be funded.

SU-GM01-2018-2019-2020
Pan-European Networks of Practitioners and other actors in the field of security

- **MAIN OBJECTIVE: To improve the contribution of EU-funded security research to the development of common EU security capabilities.**

  - Find <u>common capability needs</u> and, based on what is already available, <u>the corresponding capability gaps</u>;

  - Express <u>common user/functional requirements</u> for innovative solutions addressing the identified capability gaps;

  - <u>Monitor state of the art technologies</u> as well as <u>research and innovation projects</u> with a view to assessing the technological alternatives that match the requirements and <u>recommending the uptake</u>;

  - Indicate priorities as regards domains requiring more <u>standardization.</u>

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SU-GM01-2018-2019-2020
Pan-European Networks of Practitioners and other actors in the field of security

- **The main pillars of the Networks of Practitioners:**

  - The networks is "out there". The NoP projects act as network enablers.
    - **NETWORKING**

  - The networks of practitioners are not just another research and innovation project. They should catalogue, aggregate and exploit the existing knowledge on their respective areas of interest (meta-research).
    - **(META) RESEARCH & DEMONSTRATION**

  - The networks of practitioners should deliver periodic findings (each 6 months or less) on the three main goals in a flexible and reactive way.
    - **COMMUNICATION & DISSEMINATION & EXPLOITATION**

  - You are not alone: Projects, other Networks of Practitioners, CoU
    - **COOPERATION**

Ongoing Networks of Practitioners

Acronym	Name	CORDIS	Project website
eNotice	European Network of CBRNE Training Centres	[Link]	https://www.h2020-enotice.eu/
Fire-IN	Fire and rescue Innovation Network	[Link]	https://fire-in.eu/
DARENET	DAnube river region Resillience Exchange networ	[Link]	www.darenetproject.eu/
ILEANET	Innovation by Law Enforcement Agencies networking	[Link]	https://www.ileanet.eu/
I-LEAD	Innovation - Law Enforcement Agencies Dialogue	[Link]	https://i-lead.eu/
ARCSAR	Arctic and North Atlantic Security and Emergency Preparedness Network	[Link]	https://arcsar.eu/
EXERTER	Security of Explosives pan-European Specialists Network	[Link]	www.exerter-h2020.eu
MEDEA	Mediterranean practitioners' network capacity building for effective response to emerging security challenges	[Link]	https://www.medea-project.eu/
NO-FEAR	Network Of practitioners For Emergency medicAl systems and cRitical care	[Link]	http://no-fearproject.eu/
PEN-CP	Pan-European Network of Customs Practitioners	[Link]	https://www.pen-cp.net/
INCLUDING	Innovative Cluster for Radiological and Nuclear Emergencies	[Link]	https://including-cluster.eu/
iProcureNet	European Procurer Networking for security research services	[Link]	https://www.iprocurenet.eu/
EU-HYBNET	Empowering a Pan-European Network to Counter Hybrid Threats	[Link]	-

Life-span and coverage of NoP

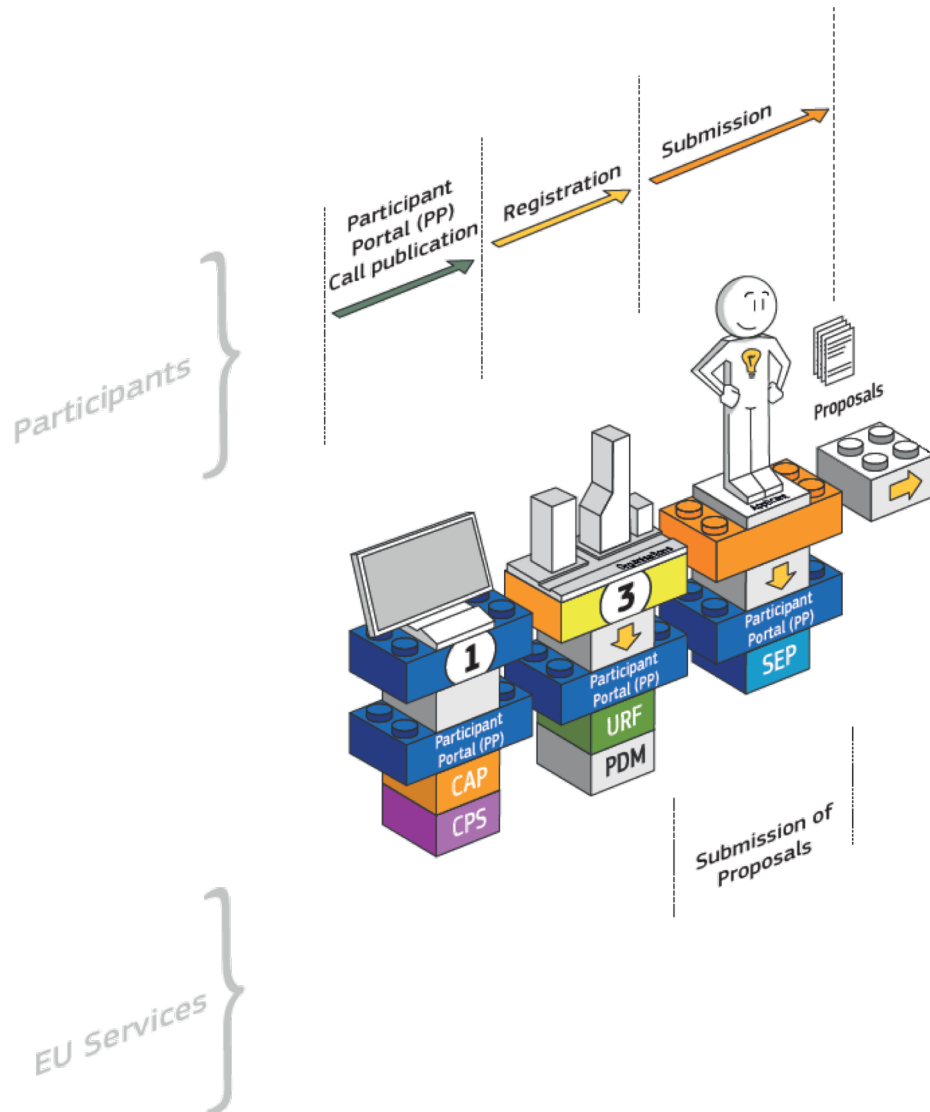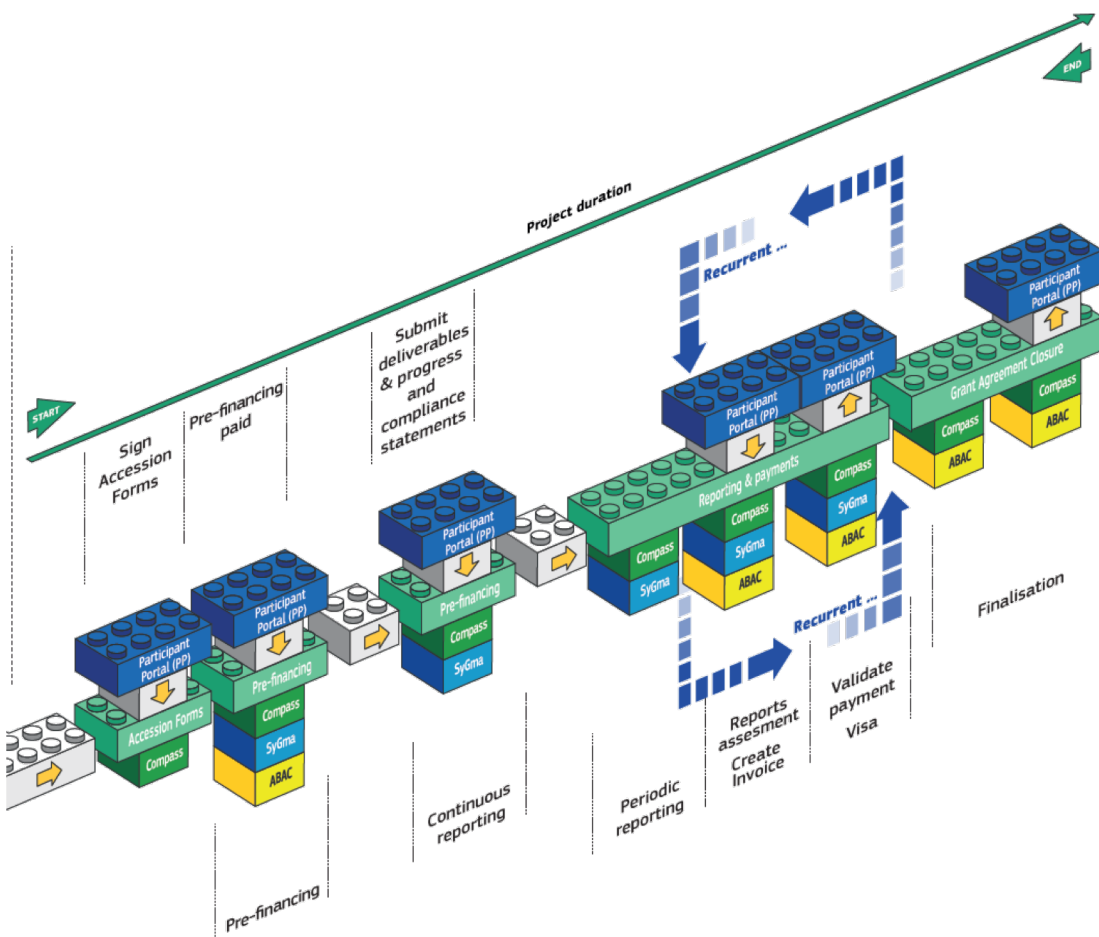# Engagement of Projects with NoP

Engagement of Projects with NoP

Networks of Practitioners can help…

- Understanding the policy context

- Understanding the users' needs

- Understanding the state of the art
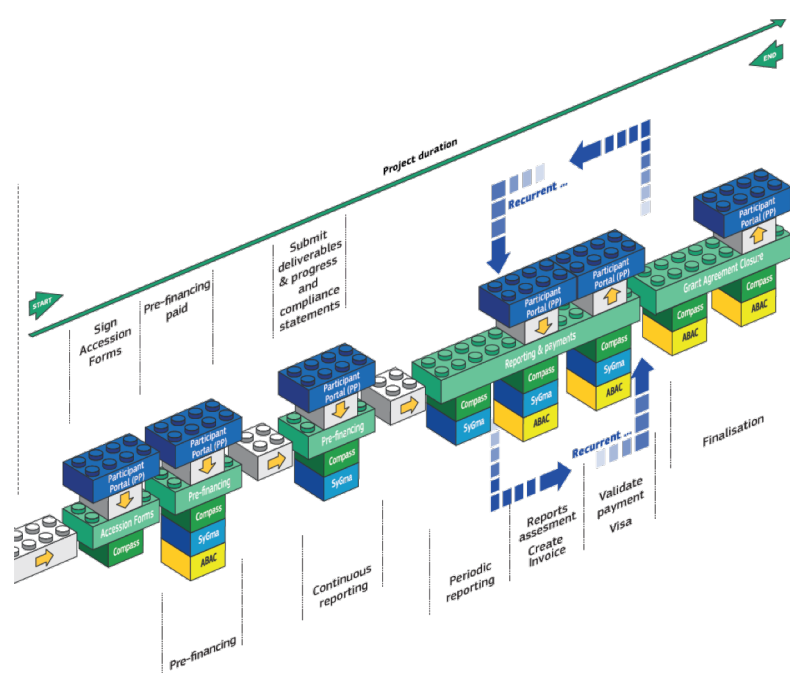
- Strengthening links with users and practitioners
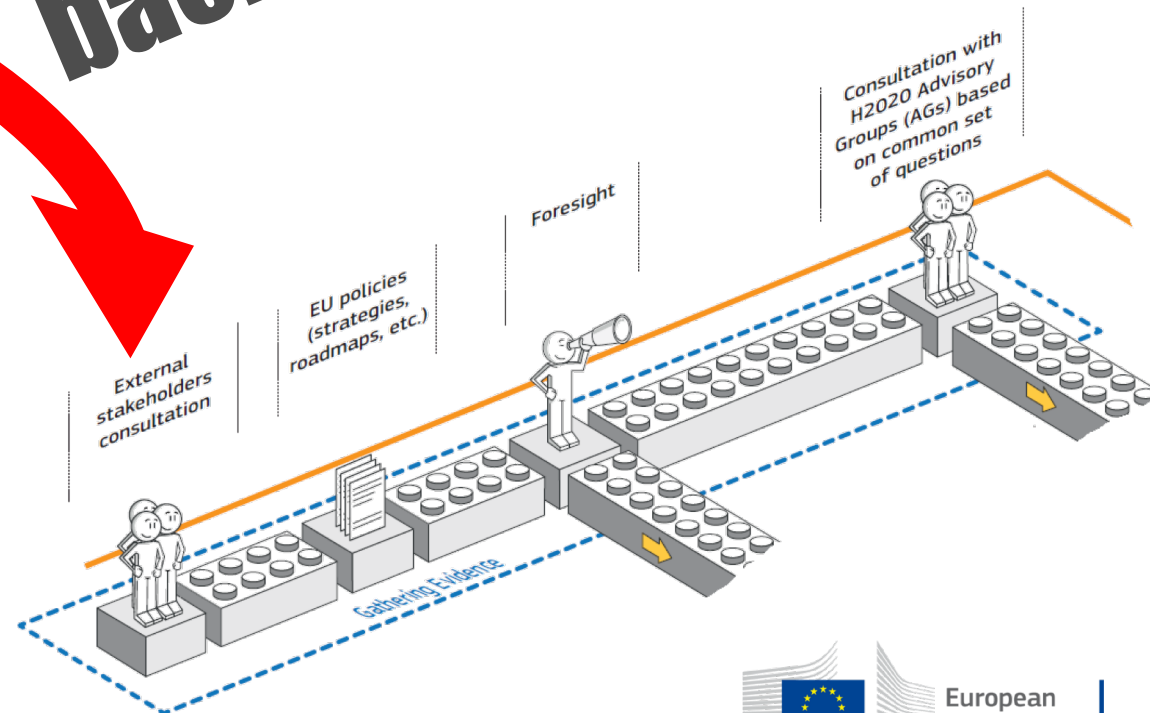
Engagement of Projects with NoP

Networks of Practitioners can help…

- Validating solutions

- Disseminating results

- Finding pathways to exploitation

- Promoting standardisation needs

- Identifying the next step

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And most importantly…

Recap

- Networks of Practitioners can support in increasing the impact of EU security research investment;

- 13 ongoing Networks and 2 more to come;

- Engagement of Networks of Practitioners with key stakeholders

  - To collect information

  - To disseminate findings

- Engagement of research projects with Networks of Practitioners

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Thank you

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