GTN Horizon 2020 « Défi sécurité »
MENESR – 05/10/18

Ordre du jour

❑ **Point Europe**
  - Appels 2018 :
    - Résultats réseaux des centres de compétence cyber
    - Statistiques des dépôts aux appels SEC, INFRA et DS de cet été
  - WP 2020 : retour sur les workshops CE – Etat membre du 27/09 et calendrier d'adoption
  - Point d'avance négociation Horizon Europe
  - Projet de Règlement établissant un Centre de compétence européen Cyber

❑ **Actualité du PCN**

❑ **Divers**
  - …

POINT EUROPE

Topic SU-ICT-03-2018 - Establishing and operating a pilot for a Cybersecurity Competence Network to develop and implement a common Cybersecurity Research & Innovation Roadmap

Retained proposals

| Proposals			Financial Details	
Acronym No.	**Title (duration in months)**	**Coordinator (total size of consortium)**	**Total Cost (EUR)**	**Requested EU Contribution (EUR)**
CONCORDIA 803927	Cyber security cOmpeteNce fOr Research anD Innovation (48)	UNIVERSITAET DER BUNDESWEHR MUENCHEN (42 partners)	15,998,737.50	15,998,737.50
ECHO 830943	European network of Cybersecurity centres and competence Hub for innovation and Operations (48)	ECOLE ROYALE MILITAIRE - KONINKLIJKE MILITAIRE SCHOOL (30 partners)	15,987,285.00	15,987,285.00
SPARTA 830892	Special projects for advanced research and technology in Europe (36)	COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES (44 partners)	15,999,913.00	15,999,913.00

SU-ICT-03

12 propositions éligibles dont 10 à participation FR
425 participations dont 29 FR
190 M€ demandés dont 14 M€ par FR (7,5%)

3 projets retenus dont 3 avec FR
116 participations dont 9 FR
114 bénéficiaires dont 9 FR
48 M€ alloués dont 5 M€ pour FR (11%)
Taux de succès global: 25%
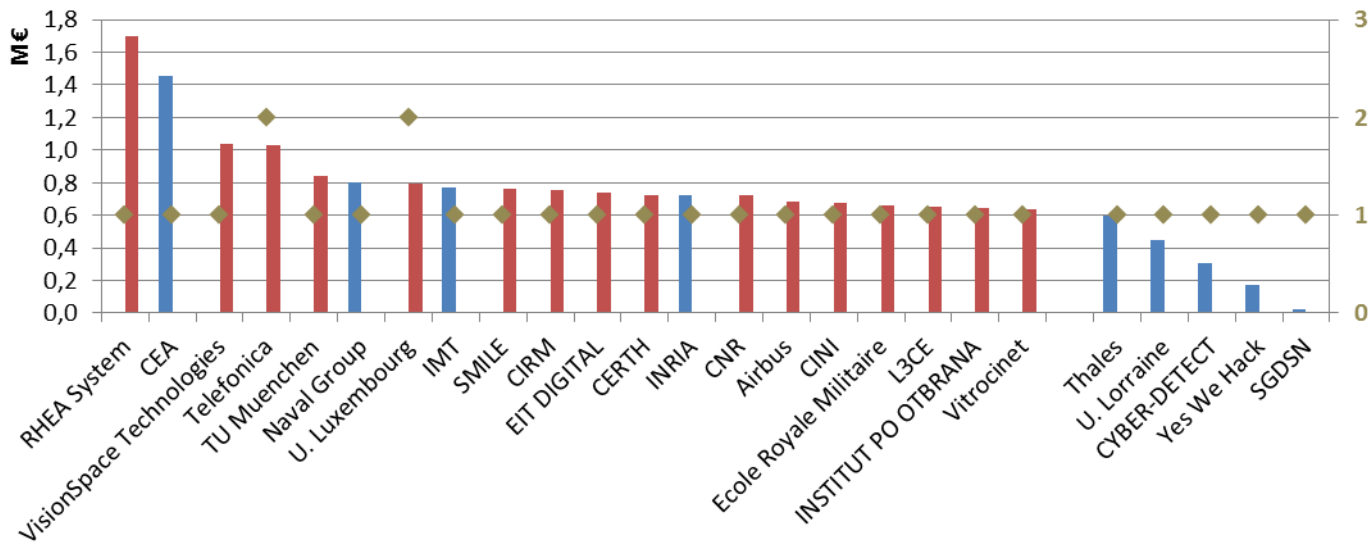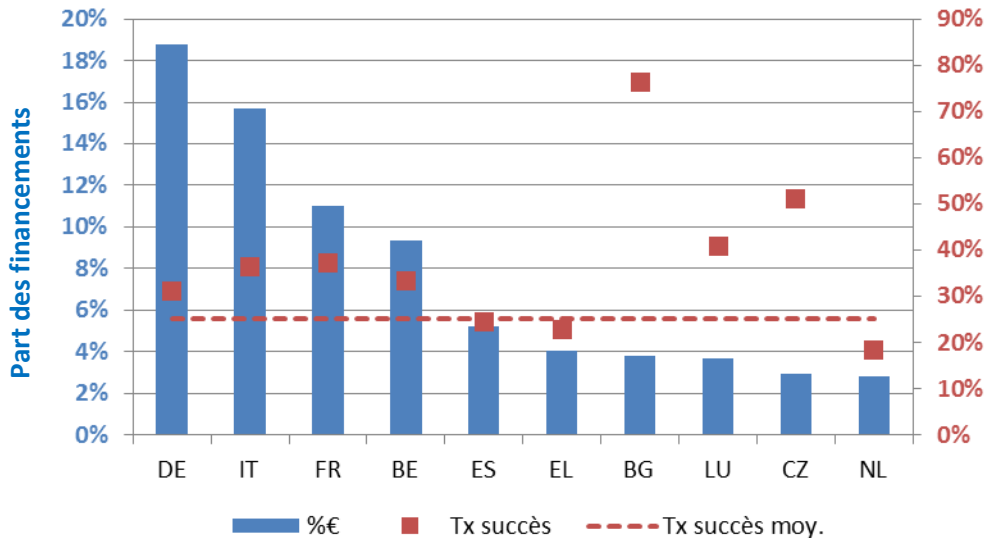
Stats appels SEC, DS, INFRA 2018

General Info

Work Programme: **H2020-2018-2020**

Title: Secure Societies

Calls:

H2020-SU-DS-2018

H2020-SU-INFRA-2018

H2020-SU-SEC-2018

Opening date: 15/03/2017

Closing date: 28/08/2017

Budget   as per WP

Budget: M€ 216,44
INFRA: 24.00 , DS: 44.50* , SEC: 139.7 , OTH: 9.74

Pie chart values: 9,7 | 39 | 39 | 41 | 20,7 | 24 | 44,5

Legend:
- SEC - DRS
- SEC - FCT
- SEC - BES
- SEC - GM
- INFRA
- DS
- OTH
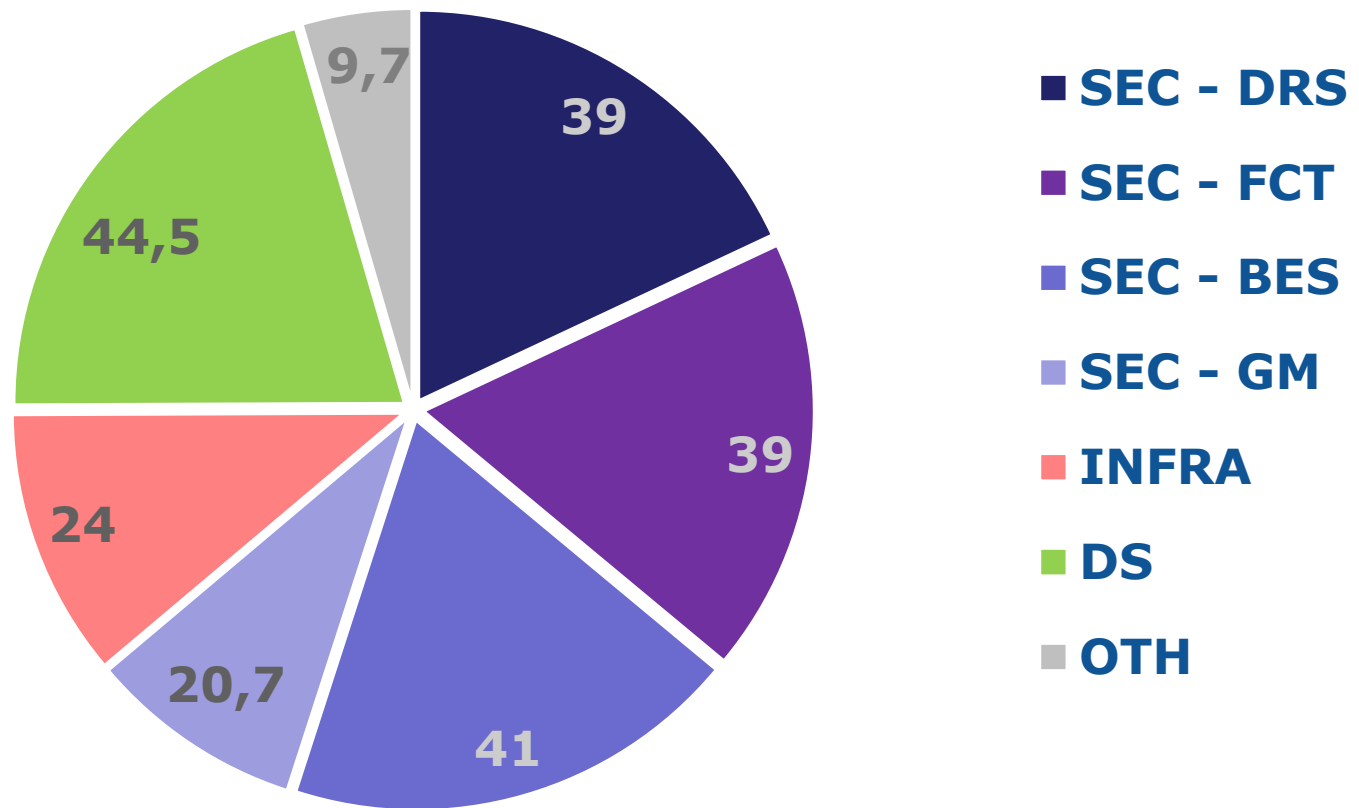
* Including 5 M€ from Secure, Clean and efficient energy WP

Timeline

Publication 27/10/2017 → **Opening 15/03/18** → **Deadline 28/08/18** → Remote Evaluation (IER) 10/09/18 – 28/09/18

CMs Ethics Screening 5-9/11/2018 ← Remote Ethics Screening 22/10-2/11 ← Panel Meeting (ESR) October 2018 ← Evaluation in Bxl (CR) 1-19/10/18

Security Scrutiny Mid-Oct-Dec 2018 → Information to Programme Committee and to applicants + Evaluation Review Jan 2019 → Grant Preparation + Programme Committee consultation Feb-April 2019 → Start of projects from May 2019

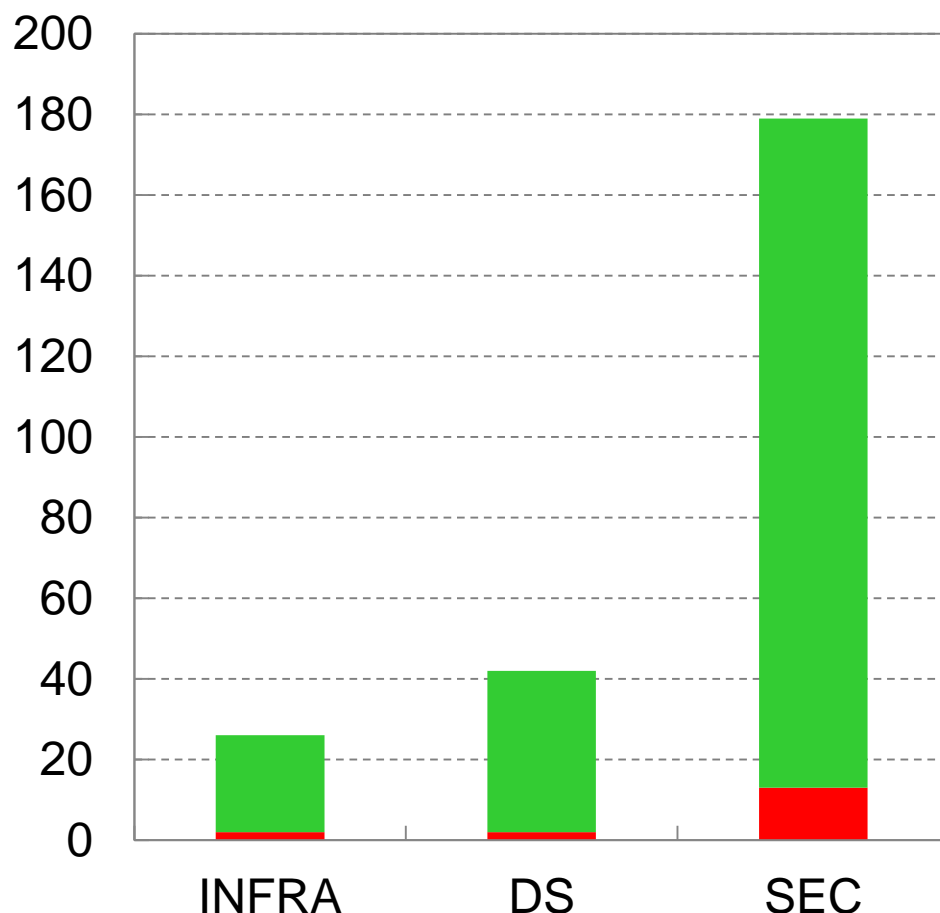European Commission

Research Executive Agency

Proposals

Proposals -

- received: 230   [2017: 316]

- inadmissible: 1   [2017: 1]

- ineligible: 16*   [2017: 16]

- evaluated: 213   [2017: 299]

*15 not fulfilling add. conditions

	Received	Ineligible Inadmissible
INFRA	24	2
DS	40	2
SEC	166	13
Total	**230**	**17**

Topic Coverage: Submission Stage

Received proposals per topic:

Topic #	1	2	3	4	5
INFRA	24				
DS	18			12	10
SEC-BES	12	21	7		
SEC-DRS	17	47	4		
SEC-FCT	15	26	7		
SEC-GM	7	3	0		

Proposals to be evaluated per topic:

| Topic #	1	2	3	4	5
INFRA	22				
DS	18			11	9
SEC-BES	7	20	7		
SEC-DRS	14	45	4		
SEC-FCT	14	25	7		
SEC-GM	7	3	0		

Research Executive Agency

4,018 applications by 2,055 unique applicants

- **Member States :** 3,557 applications
- **Assoc. Countries :** 371 applications
- **Third Countries :** 90 applications*

Applications per sector:

- HES: 737   (18%)
- REC: 702   (18%)
- PUB: 732   (18%)
- PRC LE: 838   (21%)
- PRC SME: 769   (19%)
- OTH: 240   (6%)

* Including 24 applications from Japanese entities and 14 applications from Korean entities on SU-DRS-02 topic.
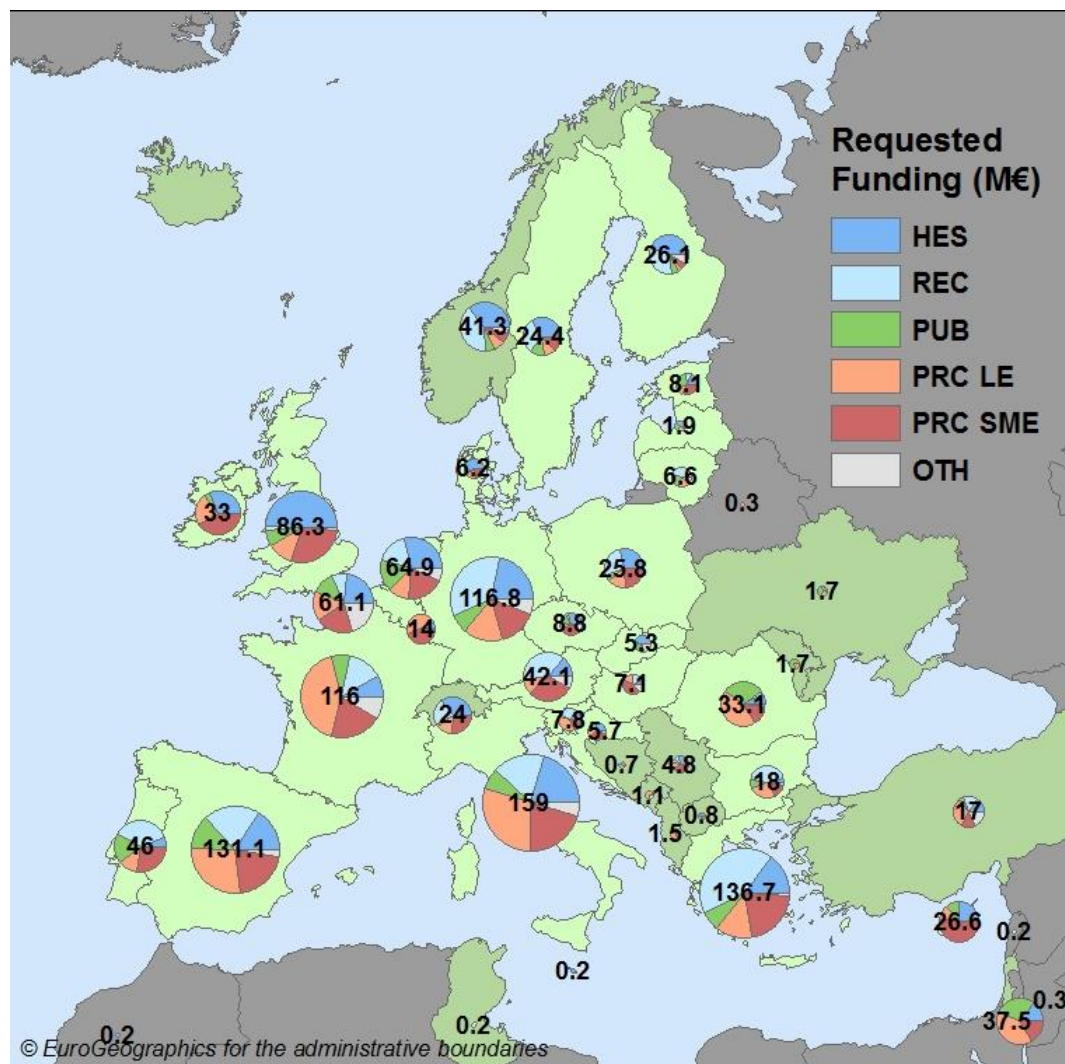

Applications
- HES
- REC
- PUB
- PRC LE
- PRC SME
- OTH
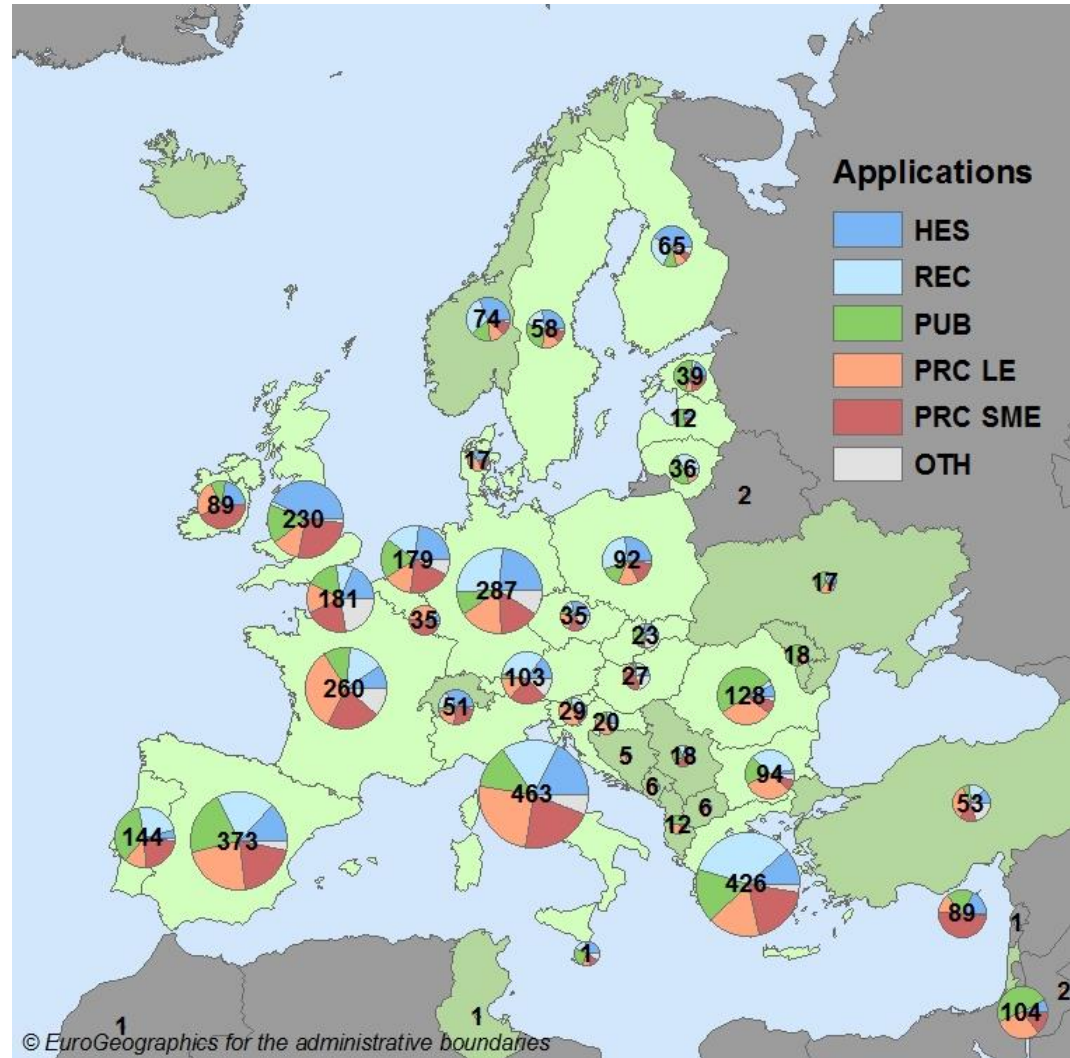
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1,363 M€ total requested funding

- **Member States**: 1,223 M€

- **Assoc. Countries**: 133 M€

- **3rd Countries**: 7 M€

Requested funding by sector:
- HES: 292 M€ (21%)
- REC: 288 M€ (21%)
- PUB: 135 M€ (10%)
- PRC LE: 293 M€ (22%)
- PRC SME: 289 M€ (21%)
- OTH: 65 M€ (5%)

Requested Funding (M€)
- HES
- REC
- PUB
- PRC LE
- PRC SME
- OTH

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ANNEX

Proposal statistics per call
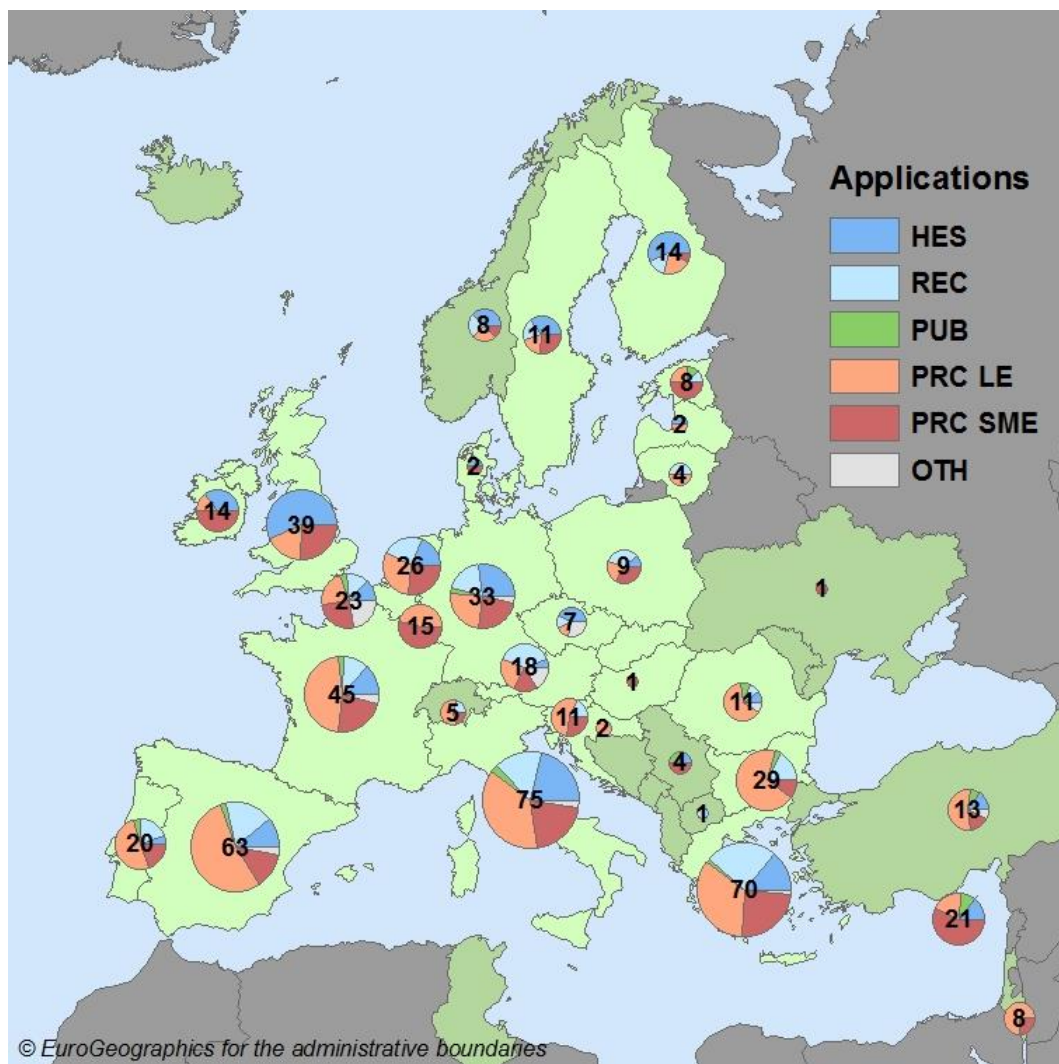
Applications – DS

614 applications by 445 unique applicants

- **Member States :** 573 applications
- **Assoc. Countries :** 40 applications
- **Third Countries :** 1 applications

Applications per sector:

- HES: 113 (18%)
- REC: 94 (15%)
- PUB: 15 (3%)
- PRC LE: 229 (37%)
- PRC SME: 143 (23%)
- OTH: 20 (3%)

Applications

- HES
- REC
- PUB
- PRC LE
- PRC SME
- OTH

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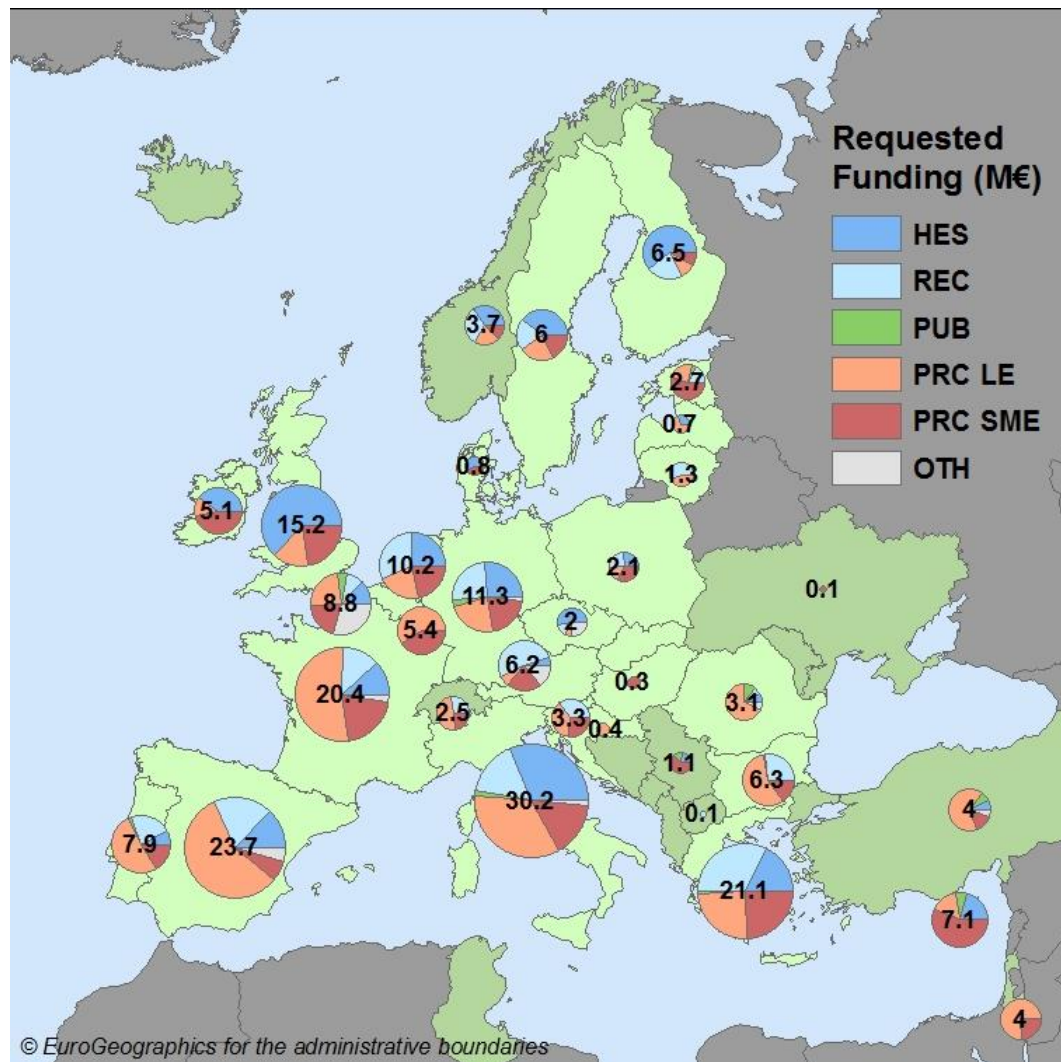European Commission

Research Executive Agency

223,9 M€ total requested funding

- **Member States**: 208 M€

- **Assoc. Countries**: 15.5 M€

- **Third Countries**: 0.4 M€

Requested funding by sector:
- HES: 49.9 M€ (22%)
- REC: 40.1 M€ (18%)
- PUB: 3.5 M€ (2%)
- PRC LE: 77.9 M€ (35%)
- PRC SME: 45.8 M€ (20%)
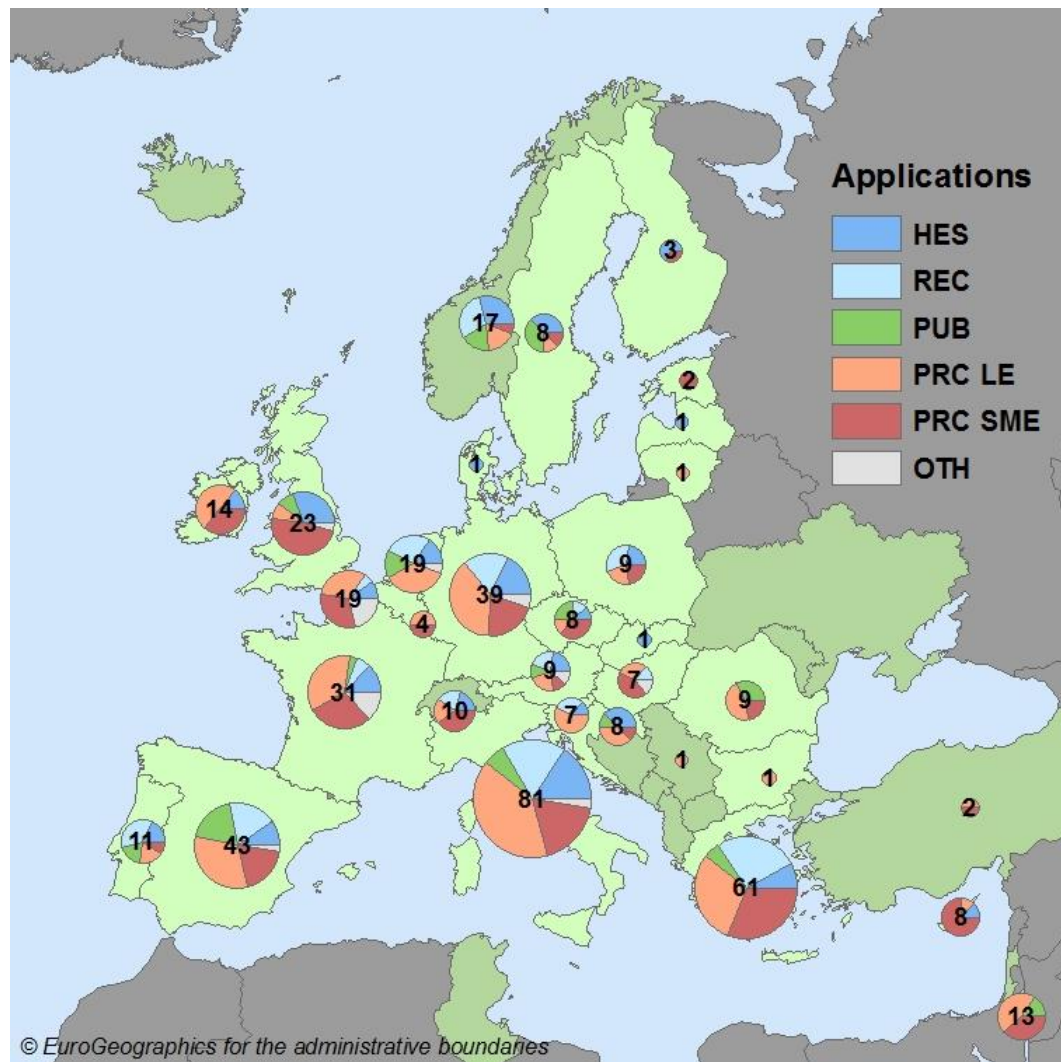- OTH: 6.3 M€ (3%)

Applications – INFRA

472 applications by 408 unique applicants

- **Member States :** 428 applications
- **Assoc. Countries :** 43 applications
- **Third Countries :** 1 applications

Applications per sector:
- HES: 75   (16%)
- REC: 73   (15%)
- PUB: 39   (8%)
- PRC LE: 151   (32%)
- PRC SME: 117   (25%)
- OTH: 17   (4%)

Applications
- HES
- REC
- PUB
- PRC LE
- PRC SME
- OTH

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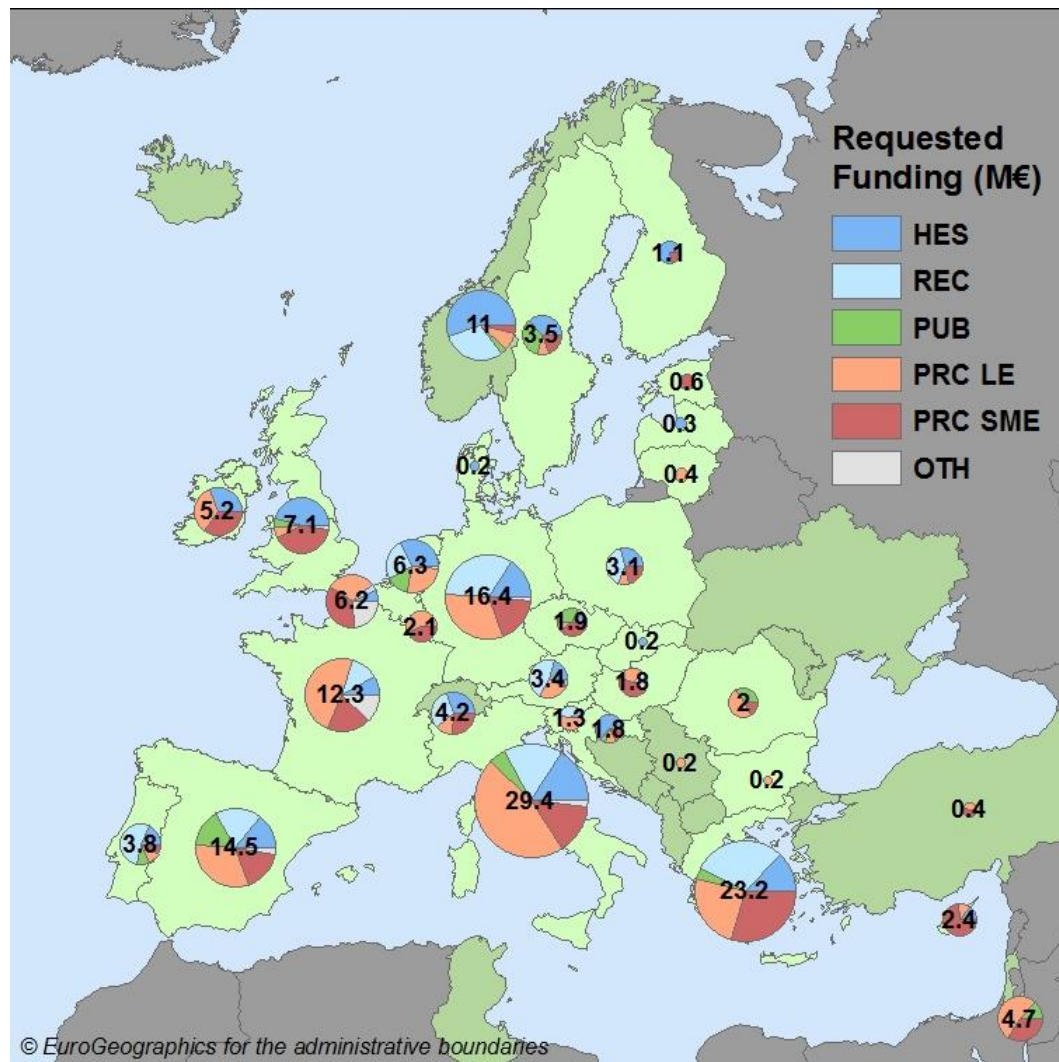
Requested Funding - INFRA

171.5 M€ total requested funding

- **Member States**: 150.7 M€

- **Assoc. Countries**: 20.5 M€

- **3rd Countries**: 0.5 M€

Requested funding by sector:
- HES: 35.3 M€ (21%)
- REC: 33.6 M€ (20%)
- PUB: 9.7 M€ (5%)
- PRC LE: 51.8 M€ (30%)
- PRC SME: 36.2 M€ (21%)
- OTH: 4.9 M€ (3%)

Requested Funding (M€)
- HES
- REC
- PUB
- PRC LE
- PRC SME
- OTH

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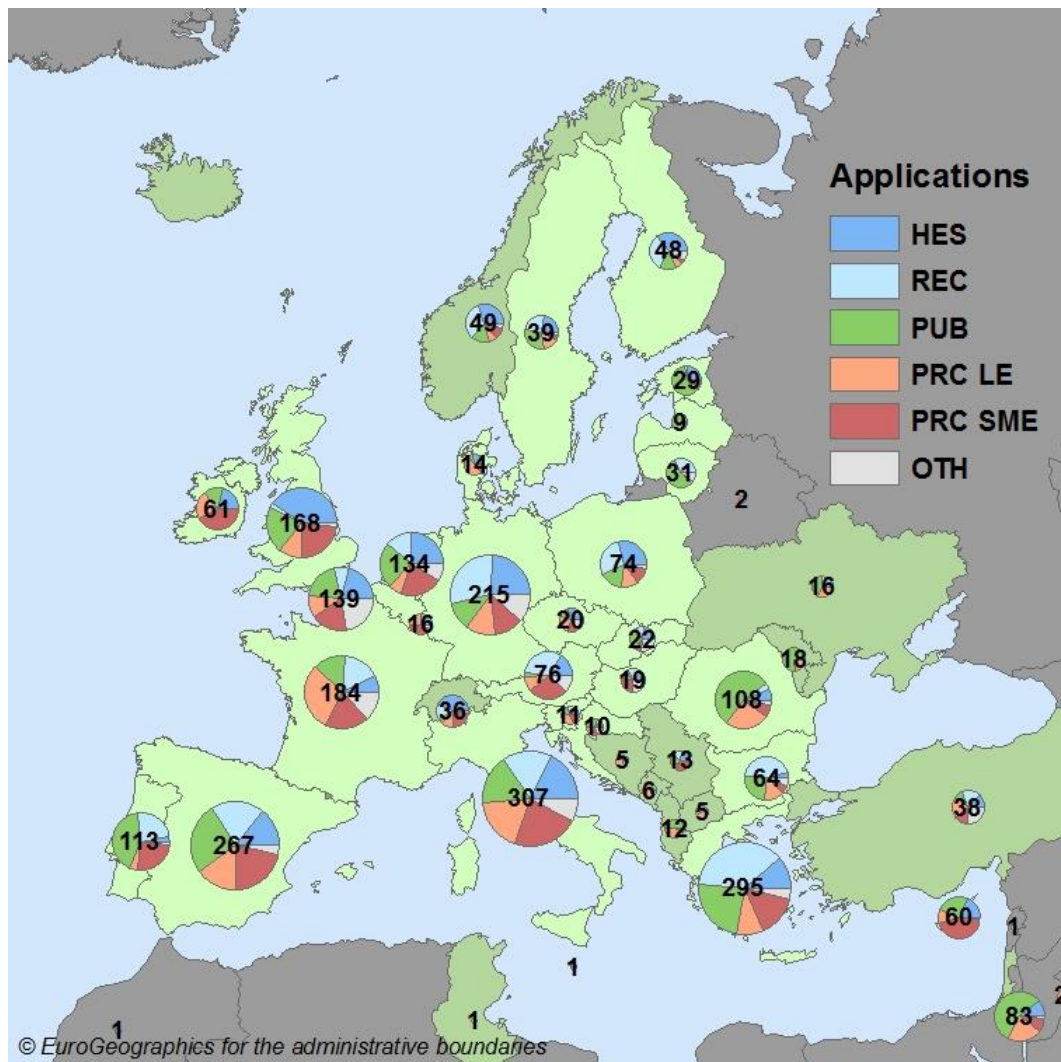
Applications – SEC

2932 applications by 1537 unique applicants

- **Member States :** 2556 applications
- **Assoc. Countries :** 288 applications
- **Third Countries :** 88 applications

Applications per sector:
- HES: 549   (19%)
- REC: 535   (18%)
- PUB: 678   (23%)
- PRC LE: 458   (16%)
- PRC SME: 509   (17%)
- OTH: 203   (7%)

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Requested Funding - SEC

968 M€ total requested funding

- **Member States**: 865 M€

- **Assoc. Countries**: 97 M€

- **3rd Countries**: 6 M€

Requested funding by sector:
- HES: 208 M€ (21%)
- REC: 214 M€ (22%)
- PUB: 122 M€ (13%)
- PRC LE: 163 M€ (17%)
- PRC SME: 207 M€ (21%)
- OTH: 54 M€ (6%)

Requested Funding (M€)
- HES
- REC
- PUB
- PRC LE
- PRC SME
- OTH

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Research Executive Agency
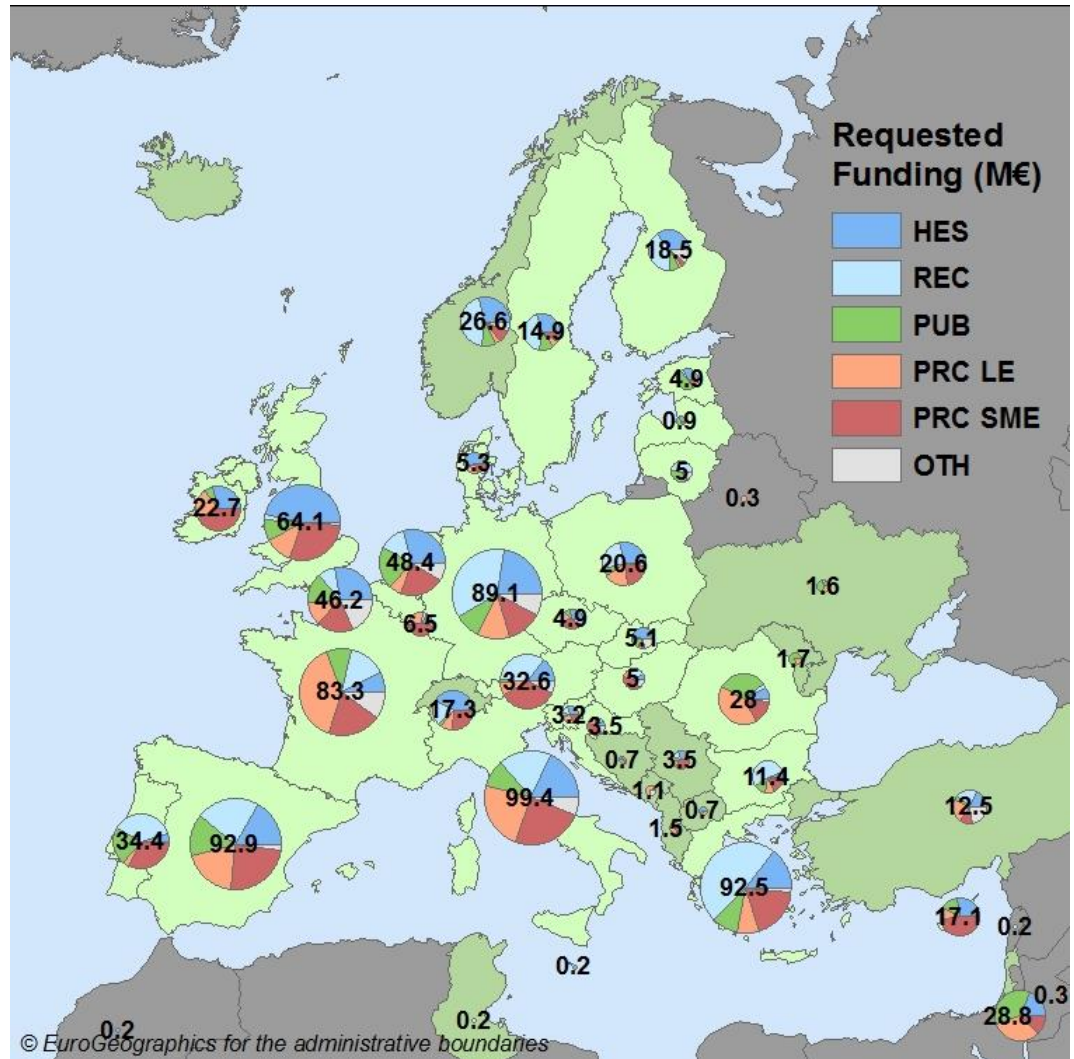
WP 2020

❑ Processus FR

- Envoi draft le 31/08
- Inputs de
  - CEA
  - Inria
  - Airbus Cybersécurité (via ANSSI)
  - ACN et Enedis (via ANSSI)
- Envoi à CE le 13/09 (SEC) et 02/10 (Cyber)

Document
Microsoft Word

Document
Microsoft Word

❑ Processus UE

- Inputs de: AT, CH, DE, ES, FR, HU, NL, PL, SV
- Workshop:
  - DG CNECT: Pas de cyber dans LEIT/ICT en 2020
  - 2 nouveaux sujets

HORIZON 2020
LE PROGRAMME DE RECHERCHE ET
D'INNOVATION DE L'UNION EUROPÉENNE

S G D S N
SECRÉTARIAT GÉNÉRAL
DE LA DÉFENSE ET DE
LA SÉCURITÉ NATIONALE

MINISTÈRE
DE L'ENSEIGNEMENT SUPÉRIEUR,
DE LA RECHERCHE
ET DE L'INNOVATION

Workshop yesterday

- Second workshop in the framework of WP2020 adoption

- Interactive and fruitful discussions on the refined draft topics in the areas of DRS, FCT, BES, GM and INFRA

- Draft topics sent to the PC in July

- Comments for SEC call received from: Austria, France, Germany, the Netherlands, Spain and Switzerland.

2020 Work Programme update

Timeline:

- 14 June   PC Workshop
  - » Informal discussion I

- 27 September   PC Workshop
  - » Informal discussion II

- **October**   **Informal consultation of Commission Services**

- **October/November**   **Draft to be sent for PC comments**

- **TBD**   **An ad hoc meeting may be scheduled if needed**

- March/April 2019   Inter-service consultation

- May   Official PC consultation (vote)

- End June   Adoption of WP 2020 update

European Commission

European Cybersecurity Industrial, Technology & Research Competence Centre
&
Network of National Coordination Centres

Building Cybersecurity Capabilities in Europe

Cybersecurity Package Commitment

EUROPEAN COMMISSION

Brussels, 13.9.2017

JOIN(2017) 450 final

JOINT COMMUNICATION TO THE EUROPEAN PARLIAMENT AND THE COUNCIL

Resilience, Deterrence and Defence: Building strong cybersecurity for the EU

The EU has added value to provide, given the sophistication of cybersecurity technology, the large-scale investment required, and the need for solutions that work across the EU.

Building on the work of Member States and the Public-Private Partnership reinforce EU cybersecurity capability through a network of cybersecurity competence centres with a European Cybersecurity Research and Competence Centre at its heart.

This network and its Centre would stimulate development and deployment of technology in cybersecurity and complement the capacity building efforts in this area at EU and national level.

European Commission

A Competence Network and the Centre to...

Retain and develop the cybersecurity technological and industrial capacities necessary to secure Digital Single Market

Increase the competitiveness of the Union's cybersecurity industry

Turn cybersecurity into a competitive advantage of other Union industries

European Commission

A mechanism allowing to:

Pool, share and ensure access to existing expertise

Co-invest and share costly infrastructure

Help deploy EU cybersecurity products and solutions

Ensure long-term strategic cooperation between industries, research communities and governments

Help overcome the cyber skills gap

European Commission

For the benefit of…

ehealth
e-commerce
energy
smart mobility
finance
Internet of Things

Different sectors across economy (examples)

Businesses

Public sector
Cybersecurity industry
Scientists

European Commission

The situation today

European Commission

Key cybersecurity technologies – where does the EU stand

The EU represents 26% of the global cybersecurity market

CYBERSECURITY PRODUCTS AND SOLUTIONS

Up to 30% of the European demand is met by companies headquartered outside the EU.

Europe is the location for the corporate headquarters of only 14% of the top 500 global Cybersecurity providers, compared to 75% for the Americas, 7% for Israel and 4% for Asia.

European Commission

A wealth of cybersecurity knowledge in Europe

More than 660 expertise centres registered in the mapping of cybersecurity centres of expertise

ECSO has +/- 240 members

ECSO
EUROPEAN CYBER SECURITY ORGANISATION

European Commission

Stakeholders' expectations – what we have learnt?

Create a technology/ innovation knowledge management platform, which could be used by the whole cybersecurity community

Help close the cybersecurity skills gap and prevent brain drain by offering interesting challenges for European researchers/innovators

Help create Europe-wide cybersecurity ecosystem allowing to cooperate public authorities, industries and research communities from both civilian and military sectors

Help achieve interdisciplinary approach to cybersecurity in Europe

Ensure visibility of European cybersecurity know-how and competence both within the EU and globally

Act beyond research and development only and include also market deployment activities

Help the community work with a longer-time, strategic perspective

Key to success:
- **A collaborative and inclusive approach to the Network to avoid creating new silos**
  - **A well-defined role of the Centre**
- **A flexible structure easily adaptable in a fast-pace cybersecurity environment**

European Commission

The proposal in a nutshell

European Commission

European Cybersecurity Technology & Innovation Ecosystem

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.

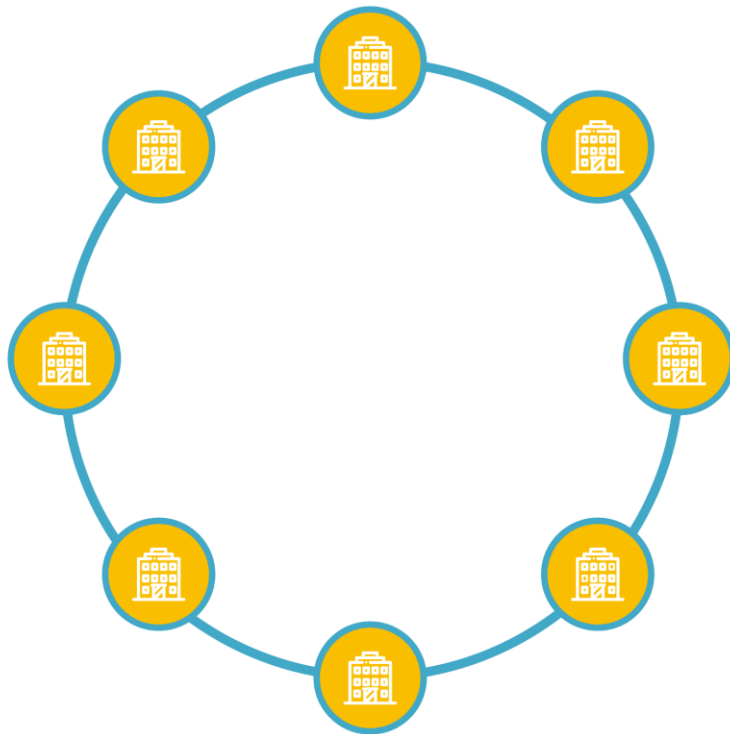**Network of National Coordination Centres:**

➢ Nominated by Member States as the national contact point
➢ Objective: national capacity building and link with existing initiatives
➢ National Coordination Centres may receive funding
➢ National Coordination Centres may pass on financial support

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

European Commission

Network of National Coordination Centres

National Coordination Centres:

➢ Nominated by Member States & notified to the Commission

➢ Possess or have access to technological expertise in cybersecurity

➢ Can effectively engage and coordinate with industry, academia and the public sector

➢ Can receive direct grants

➢ Can provide financial support to third parties

European Commission

Tasks of the National Coordination Centres

Support to Competence Centre in achieving its mission;

contact point at the national level; facilitates the participation of industry and other actors at the national level;

assess entities in the Member State to become part of the Community

establish synergies with relevant activities at the national and regional level

Identify and address sector-specific cybersecurity industrial challenges

Implement specific actions, including supporting national/local ecosystems

Promote and disseminate the outcomes of the work by the Network, Community & Centre

European Commission

Cybersecurity Competence Community

Academic and research organisations

Industry (demand and supply)

Public Authorities

Other stakeholders

Union bodies with relevant experience

Relevant Associations

An open and diverse group of actors involved in cybersecurity technology

Expertise in research, industrial development or training and education required

Assessment done by the Member State where the entity is established and then accredited by the Competence Centre

Only entities established within the Union may be accredited

European Commission

Cybersecurity Competence Community

Academic and research organisations

Industry (demand and supply)

Public Authorities

Other stakeholders

Union bodies with relevant experience

Relevant Associations

Support the Centre and the Network in achieving the mission and objectives

Enhance and disseminate cybersecurity expertise across the Union

Participate in activities promoted by the Network and the Centre

Participate in the working groups on specific activities

Promote the outcomes of specific projects

European Commission

The Competence Centre – what will it do?

Facilitate and help coordinate the work of the Network

Implement cybersecurity parts of Digital Europe and Horizon Europe Programmes

Enhance cybersecurity capabilities, knowledge and infrastructures at the service of industries, the public sector and research communities

Contribute to the wide deployment of state-of-the-art cyber security products and solutions across the economy

Contribute to reducing skills gaps in the Union related to cybersecurity

Contribute to the reinforcement of cybersecurity research and development

Enhance cooperation between the civilian and defence spheres with regard to dual use technologies and applications

Enhance synergies between the civilian and defence dimensions of cybersecurity in relation to the European Defence Fund

European Commission

# The Competence Centre – governance

Governing Board:

➤ **1 representative of each Member State** (+alternate) with cybersecurity knowledge and managerial skills

➤ **5 representatives of the Commission**

➤ **Renewable term of 4 years**

➤ **Observers admitted** (ENISA as a permanent observer)

➤ **Executive Director** chosen for 4 years (renewable once)

Voting Rules:

➤ **Union** holds **50% of voting rights**

➤ **Every participating Member State = 1 vote**

➤ Decisions taken by a **majority of at least 75% of all votes,** representing **at least 75% of the total financial contributions** to the Competence Centre.

➤ **The Chairperson takes part in the voting**.

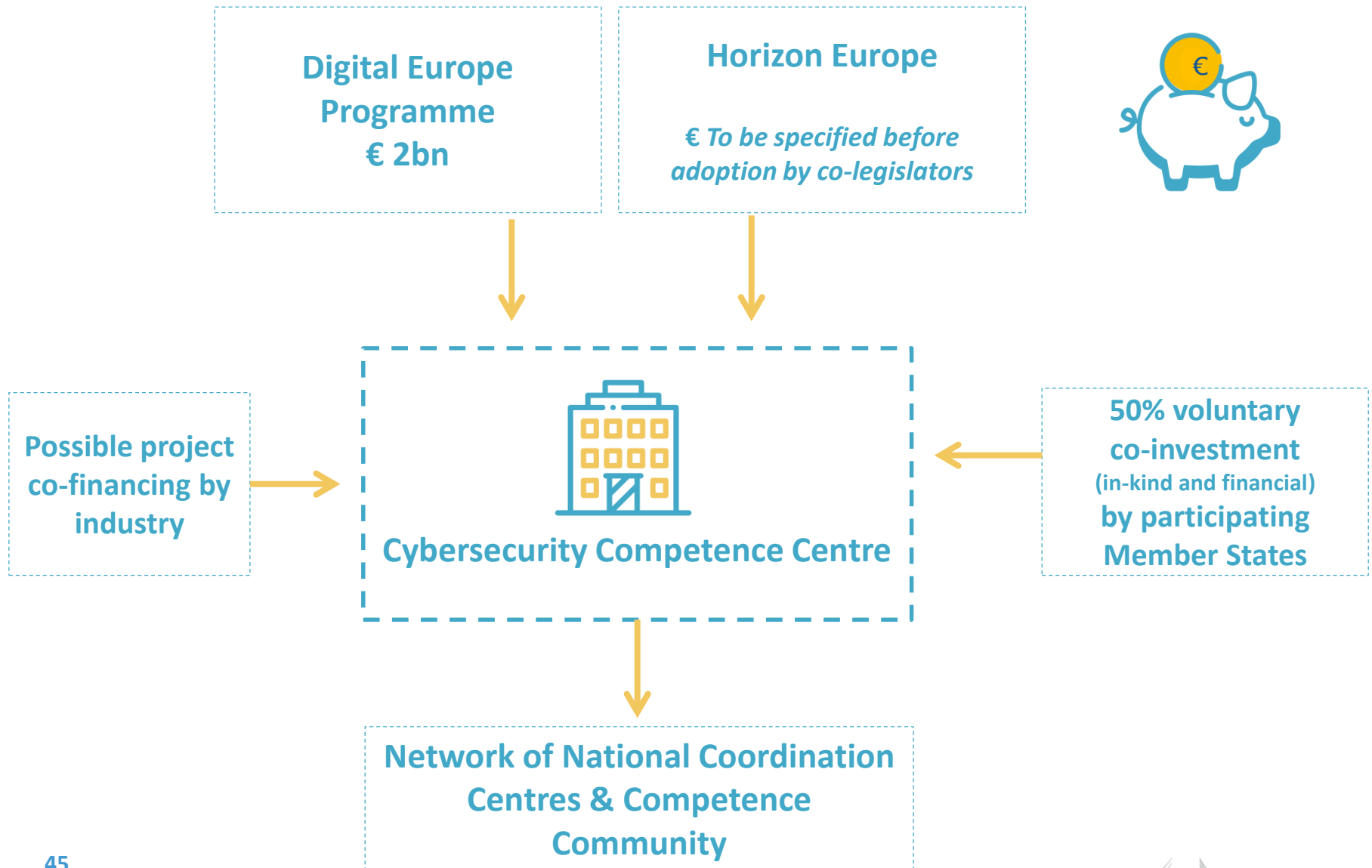European Commission
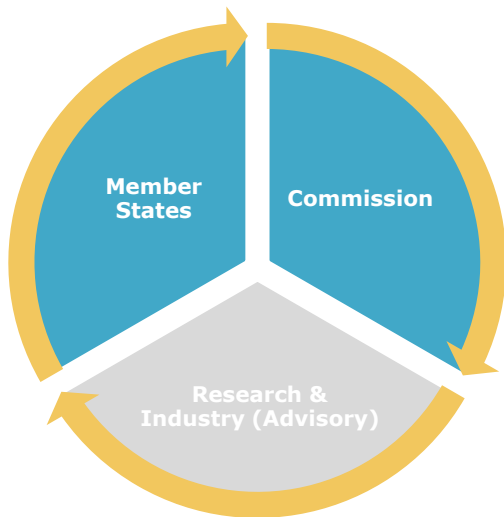
Industrial & Scientific Advisory Board
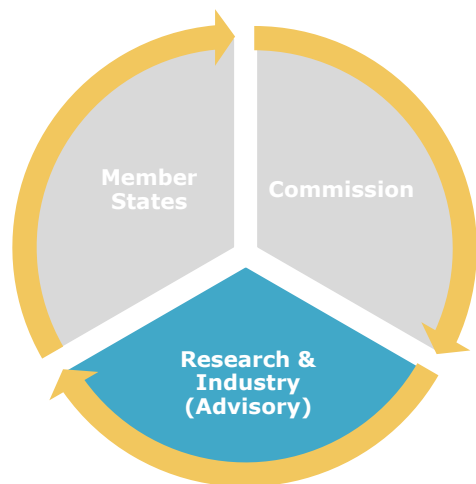
> **16 members** appointed by the Governing Board from among the representatives of the entities of the Competence Community

> **Expertise** in cybersecurity research, industrial development, professional services or deployment

> **Investment of cPPP experience**

> **3 years' renewable** term

> **Commission** and **ENISA** participates in the works of the Advisory Board

> Meets at least 2 x year

> **Tasks:**

❖ Advises on establishing working groups

❖ Organises public consultations and provides input for drafting the work plan & multi-annual strategic plan

❖ promotes and collects feedback on the work plan and multi-annual strategic plan of the Competence Centre.

European Commission

Financing of the initiative

2021-2027 proposed EU cybersecurity funding sources

Digital Europe Programme
€ 2bn

Horizon Europe

€ To be specified before adoption by co-legislators

Possible project co-financing by industry

Cybersecurity Competence Centre

50% voluntary co-investment
(in-kind and financial)
by participating Member States

Network of National Coordination Centres & Competence Community

European Commission

Next Steps

By Q2/2019

Finalise negotiations

2019-2020

Preparatory Phase

2020

Prepare to launch 2021 actions

European Commission

ACTUALITÉ PCN

DIVERS

Concept

- Jointly organised by the **European Commission** and the **Austrian Ministry for Transport, Innovation and Technology.**

- On the **5-6 of December** in **Brussels**.

- Register at https://www.sre2018.eu/registration

- SRE 2018 will demonstrate the strength and inspiring results of security related research and innovation activities, under the theme "Making Europe a safer place - demonstrating the impact of EU-funded security research".

- Dissemination and outreach of projects will be the cornerstone of the conference's discussions.

Day 1 – high-level panels

- The Conference will be opened by the Austrian Minister for Transport, Innovation and Technology Norbert Hofer and by Commissioner Julian King in charge of the Security Union.

- HLP1 - ***"Making Europe a safer place: demonstrating the impact of security research – Challenges and barriers".***

- HLP2 - ***"Projects Afterlife: From the lab to real life"***.

- Dinner hosted by the AT Presidency

Day 2 – thematic discussions

- *8 thematic panels on a more technical level:*
  - **Citizens awareness**
  - **Terrorism**
  - **Border security**
  - **Disaster resilient societies**
  - **Radicalisation**
  - **Protection of public spaces**
  - **Cybercrime**
  - **Maritime security**

Exhibition

- Largest exhibition of the SRE to date.

- During the two day event **50 EU funded projects** will be showcasing their results in a dedicated exhibition area.

- Institutional stands with information about different funding streams.

DG HOME

On this occasion the SRE will be closely tied with two other events, the Meeting of the International Forum to Advance First Responder Innovation (IFAFRI) chaired by the European Commission, and the events of the Community of Users on Secure, Safe and Resilient Societies.

Don't forget to register before the 30th of October at *https://www.sre2018.eu/registration*

DG HOME