

TENEMOS
MUCHO
QUE HACER
JUNTOS



El papel de ECSSO

Asamblea PLANETIC, 20/09/2018

¿Qué es ECSO?



- La contraparte de la Cybersecurity Contractual Public-Private Partnership (cPPP)

Misión:

- Estimular la competitividad y las capacidades de innovación de la industria de seguridad digital y privacidad en Europa.
- Asegurar un suministro sostenido de productos y servicios de ciberseguridad innovadores en Europa



Objectives of the cPPP

Gather industrial and public resources to deliver innovation against a jointly-agreed strategic research and innovation roadmap.

Maximize available funds through better coordination with MS.

Focus on a few technical priorities defined jointly with industry.

Seek synergies to develop common, sector-neutral technological building blocks with maximum replication potential

Obtain economies of scale through engagement with users/demand side industries and bringing together a critical mass of innovation capacities.

Be a platform to discuss other supporting measures for the industry



ECSSO membership overview

132 founding members: now we are **236** organisations from **29** countries and counting (included 6 new provisional membership – in brackets)



AUSTRIA	7	ITALY	26 (+2)
BELGIUM	13	LATVIA	1
BE - EU ASSOCIATIONS	9	LITHUANIA	1
BULGARIA	1 (+1)	LUXEMBOURG	4
CYPRUS	4 (+1)	NORWAY	4
CZECH REP.	3	POLAND	6
DENMARK	5	PORTUGAL	3
ESTONIA	7	ROMANIA	1
FINLAND	8	SLOVAKIA	2
		SLOVENIA	1
FRANCE	24 (+1)	SPAIN	32
GERMANY	21	SWEDEN	2
GREECE	5	SWITZERLAND	5
HUNGARY	3	THE NETHERLANDS	17
IRELAND	3	TURKEY	3 (+1)
ISRAEL	2	UNITED KINGDOM	8

- Associations : 21
- Large companies and users: 70
- Public Administrations: 20
AT, BE, CY, CZ, DE, EE, ES, FI, FR, IT, SK, FI, NL, NO, PL, UK, BG, SE, GR +
observers at NAPAC (DK, HU, IE, LT, LU, LV, PT, RO, SI, MT, ...)
- Regional clusters: 6
- RTO/Universities: 63 (+1)
- SMEs: 51 (+5)



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Importante representación española en los órganos directivos:

- Partnership Board: ATOS, TECNALIA, INCIBE-SETSI-CDTI, S2GRUPO, BCSC
- Board of Directors: ATOS, TECNALIA, S2GRUPO, INCIBE-SETSI-CDTI
- Strategic Committe: TECNALIA



Governanza

European Cybersecurity Council
(High Level Advisory Group: EC, MEP, MS,
CEOs, ...)

ECS - cPPP Partnership Board
(monitoring of the ECS cPPP - R&I priorities)

EUROPEAN COMMISSION



ECSCO - Board of Directors
(management of the ECSCO Association:
policy / market actions)

INDUSTRIAL

R&I

Coordination / Strategy Committee **POLICY**

Scientific & Technology Committee

WG 1

Standardisation
Certification /
Labelling / Supply Chain
Management

WG 2

Market
development /
Investments

WG 3

Sectoral demand
(vertical market
applications)

WG 4

Support SME,
East EU, Regions
...

WG 5

Education, training,
awareness,
exercises

WG 6

SRIA
Technical areas
Products
Services areas

SME solutions /
services providers;
local / regional SME
clusters and
associations
Startups, Incubators
/ Accelerators

Others
(financing
bodies,
insurance,
etc.)

Large companies
Solutions /
Services Providers;
National or
European
Organisation /
Associations

Regional / Local
administrations
(with economic
interests); Regional
/ Local Clusters of
Solution / Services
providers or users

Public or
private users
/ operators:
large
companies
and SMEs

NATIONAL PUBLIC
AUTHORITY
REPRESENTATIVES
COMMITTEE:
R&I Group
Policy Group

Research
Centers (large
and medium /
small),
Academies /
Universities and
their
Associations

ECSCO
General Assembly



WG activities: achieving wider objectives in a wider dialogue across public – private stakeholders

- **WG1 - standards / certification / label / trusted supply chain** (135 members from 27 countries with 289 experts). Contact: roberto.cascella@ecs-org.eu

STATUS: Initial positions for an EU certification framework: Meta-scheme approach for EU certification and mapping with the Cybersecurity Act, State of the Art (SOTA), Challenges relevant to the industrial sector (COTI). Initial cooperation (MoU) on standards with CEN/CENELEC and ETSI. Work on the workstreams started. Cooperation with ENISA ongoing as well as with JRC on pilot study.

OBJECTIVES 2018: Support to the establishment of the European Cyber Security Certification Framework; update SOTA, COTI and Meta-Scheme; cooperation (MoU) with CEN/CENELEC & ETSI and ENISA; Analysis of requirements and gaps for different sectors in coop. with WG3

- **WG2 - market / funds / international cooperation / cPPP monitoring** (86 members from 20 countries with 159 experts)
Contact: daniilo.delia@ecs-org.eu

STATUS/ Market analysis: Support Cybersecurity Industry Market Analysis and Market Radar(s) expected by May 2018. The aim is to provide an analytics tool to get the maturity/evolution of EU cybersecurity market both to investors and suppliers. Investments: Analysis of existing and innovative funding models and proposing a public-private fund specialized in cybersecurity. Ongoing mapping of local public & private initiatives supporting business development of innovative companies. International cooperation: mapping members' needs; initial dialogue with DG-GROW on business Internationalisation beyond the EU; involvement via members in EC CSA projects (Japan and US).

OBJECTIVES 2018: Radar of European solutions (national catalogues for DE, SP, FR, ES, UK); Directory and Marketplace using common taxonomy in coop with WG6; recommendations for EU investment model – link with WG4 (envisaging an ECSO investment fund for start-ups); Mapping of events and main stakeholders in CS; Monitoring and report on cPPP implementation /



WG activities: achieving wider objectives in a wider dialogue across public – private stakeholders

- **WG3 - verticals: Industry 4.0; Energy; Transport; Finance / Bank; Public Admin / eGov; Health; Smart Cities; Telecom/Content/Media (127 members from 27 countries with 281 experts):** Contact: nina.olesen@ecs-org.eu

STATUS: Four sector reports finalised; concrete project to develop common application for incident reporting and information sharing (led by banks but applicable to other sectors); non-paper on recommendations for implementation of GDPR foreseen

OBJECTIVES 2018: Sector specific reports on users' needs / SOTA; Report on NIS implementation and harmonisation of incident reporting; Sector-specific guidelines on implications of GDPR on cybersecurity and privacy; Support to ISAC's implementation; envisaging operational platforms

- **WG4 - SMEs, Regions, East EU (76 members from 22 countries with 134 experts):** Contact: daniolo.delia@ecs-org.eu

STATUS: SME – Position paper (role of SMEs in the cybersecurity ecosystem); specifications for an SME hub / Platform and a EU “ECSO Quadrant” scheme under finalisation; Investments for start-ups: support to national public and private bodies to understand and develop an EU approach; REGIONS: coordinator of Interregional Pilot Action with 5 Regions and INTERREG Cyber project (7 Regions); EAST EU REGION: analysis of best practices to better support users and suppliers in East EU.

OBJECTIVES 2018: Link VCs and Investors to Start-Ups and SMEs (local events in Paris, Berlin and Brussels). Marketplace and tool for community building and tools for funding opportunities and projects; SME label “made in EU”; Register of EU cybersecurity SMEs; SME Hub platform and “European (ECSO) Cyber Quadrants”; cooperation and link with / specialized regions for concrete activities (e.g. supporting local SMEs and start-ups' access to market; education / training); Support increased coordination and participation of East EU bodies



WG activities: achieving wider objectives in a wider dialogue across public – private stakeholders

- **WG5 - Education, training, awareness, cyber ranges** (107 members from 28 countries with 213 experts): Contact: nina.olesen@ecs-org.eu

STATUS: Cyber range study assessing capabilities and motivations. Position Paper on Gaps in Education & Professional Training. EHR4CYBER Network White Paper on Information and Cyber Security Professional certification ongoing, recommendations / mapping for a European framework for education and competences (matching profiles and skillsets); EHR4CYBER online jobs marketplace (looking for platform); started tackling gender issue on education & training to increase number of cyber experts.

OBJECTIVES 2018: Participation in Digital Opportunity pilot scheme; Support to the « School of the Future » initiative and enlarge message to Europe for students' education before University level. Development of EHR-4CYBER network with share of needs, professional certification mapping, best practices and pushing creation of national (EU?) CS academia

- **WG6 - Strategic Research and Innovation Agenda** (157 members from 28 countries with 351 experts): Contact: roberto.cascella@ecs-org.eu

STATUS: Identification of research priorities for EC programmes: SRIA (Strategic Research & Innovation Agenda) priorities well incorporated in the 2018-2020 work programme of H2020. Identification of the key drivers for the future (beyond 2020) and analysis to review technology and needs evolution in the next 10 years. Discussion with JRC for the taxonomy. Link with other PPPs to coordinate objectives (BDVA, EFFRA, 5G – MoU). Collaboration with EURobotics.

OBJECTIVES 2018: Work on global trends and key implications on strategy through 2027; SRIA 2.0; Studies on R&I needs on specific verticals; Link with relevant cPPP to coordinate strategy for EU cybersecurity R&I; Support to creation of the EU Network of Cybersecurity Competence Centres; New Scientific & Tech. Committee



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STRATEGIC RESEARCH AND INNOVATION AGENDA

WG6 I Strategic Research and Innovation Agenda

JUNE 2017

ECSSO STRATEGIC RESEARCH & INNOVATION AGENDA v1.2

→ cPPP SRIA v1.0 and industry proposal as initial guidelines

→ Available on ECSSO website:

<https://www.ecss-org.eu/documents/publications/59e615c9dd8f1.pdf>

www.ecs-org.eu



WG6 forward planning: activities for the next 6 months

• **Cyber security strategy priorities beyond 2020**

- Describe scenarios focusing on global trends and key implications through 2027. Starting point will be the SWOT analysis of the SRIA topics to identify challenges and opportunities towards 2027 – New and strategic activity
- Identified the importance to align the strategy with the industry vision to sustain the digital transformation of the society and economy → Foresight exercise for what do we want to achieve by the end of HorizonEurope
 - Areas of interest are: Society and Citizen (Social Good); Data and economy; Artificial intelligence & Disruptive Technology; Digital Transformation in Verticals
 - Analysis of impact of IoT technology as requested by the Board and ECSO Coordinated Strategy Committee
- Continue monitoring activity: set up of the task force (members identified) and liaison with CSAs (discussion at the last WG6 meeting // January 2018)
- First meeting of the Scientific Committee (ECSO members, cPPPs representatives, agencies representatives)

WG6 planned deliverables

- Scenarios description
- Joint position papers with other cPPPs
- ECSO cross-WGs paper on IoT technology



WG6 forward planning: activities for the next 6 months



- **Planned external coordination activities** with other cPPPs
 - **5G IA:** Identified the need to work on a common cyber security strategy addressing encompassing vertical sectors (ex. Transport), Standards and research priorities – Memorandum of Understanding under finalisation
 - **BDVA:** Joint position paper planned in 2018 and Joint session@ICT18 in Vienna under preparation!
 - **EFFRA:** Continuous technical discussions on requirements and cybersecurity solutions for Industry 4.0. Organisation of a joint workshop DG-CNECT / ECSO / EFFRA in October 2018 with a focus on the call *ICT-08-2019: Security and resilience for collaborative manufacturing environments*
 - **EUrobotics:** Identified common synergies, cybersecurity for Digitisation of the Industry with first focus on eHealth. Work around a joint position paper to present the challenges



WG6 forward planning: activities for the next 6 months

- **Planned external coordination activities** with other organisations
 - **EDA:** Following the presentation of EDA research priorities at the WG6 meeting (January 2018), focus on the research priorities. EDA has join the ECSO Strategic Technical Committee
 - **ENISA:** Following the presentation of ENISA at the WG6 meeting (January 2018) and side meeting, focus on the research priorities. Regular activities planned
 - **JRC:** Work on the cybersecurity taxonomy. Informal feedback from ECSO members after presentation of the taxonomy. Under discussion how to continue the collaboration to revise and support the taxonomy
 - **DG-ENER** and **ENTSOE:** Presentation of specific cybersecurity challenges and priorities for the energy sector. Dialogue will continue in co-operation with ECSO WG3
 - **IoTForum** and **AIOTI:** Focus on cybersecurity for IoT technology to update the research priorities and impact for vertical sectors. Initial dialogue established for a common session on IoT Security and Data Privacy at next IoTWeek 2018



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BUILDING EUROPEAN CYBER SECURITY ECOSYSTEM TOGETHER

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WHO WE ARE

The European Cyber Security Organisation (ECSO) ASBL is a fully self-financed non-profit organisation under the Belgian law, established in June 2016. ECSO



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