European Cybersecurity PPP

European Cyber Security Organisation - ECSO

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Présentation

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ABOUT THE CYBERSECURITY cPPP

ECS
EUROPEAN CYBER SECURITY ORGANISATION

AIM

1. Foster cooperation between public and private actors at early stages of the research and innovation process in order to allow people in Europe to access innovative and trustworthy European solutions (ICT products, services and software). These solutions take into consideration fundamental rights, such as the right for privacy.

2. Stimulate cybersecurity industry, by helping align the demand and supply sectors to allow industry to elicit future requirements from end-users, as well as sectors that are important customers of cybersecurity solutions (e.g. energy, health, transport, finance).

3. Coordinate digital security industrial resources in Europe.

BUDGET

The EC will invest up to €450 million in this partnership, under its research and innovation programme Horizon 2020 for the 2017-2020 calls (4 years). Cybersecurity market players are expected to invest three times more (€ 1350 mln: leverage factor = 3) for a total of €1800 mln.

ABOUT THE CYBERSECURITY cPPP

A DOUBLE APPROACH, BEYOND TRADITIONAL EC PPPs: LINKING RESEARCH AND CYBERSECURITY INDUSTRIAL POLICY

The cPPP will focus on R&I, developing a SRIA and supporting its implementation in the H2020 Work Programme

The ECSO Association will tackle other industry policy aspects for the market and the industrial / economic development

ECSO will support the development of the European cybersecurity industry and EU trusted solutions, including cooperation with Third Countries.

REFERENCE DOCUMENTS

1. Industry proposal
2. Strategic Research and Innovation Agenda (SRIA) proposal

STRATEGIC R&I AGENDA - SRIA (updated)

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8 main thematic priority areas

- Education and training
- Certification, standardisation, Go To Market, SMEs growth
- Demonstrations for the society, economy, industry and vital services
- Collaborative intelligence to manage cyber threats and risks
- Remove trust barriers for data-driven applications and services
- Maintain a secure and trusted ICT infrastructure in the long-term
- Intelligent approaches to eliminate security vulnerabilities in systems, services and applications
- From security components to security services

STRATEGIC R&I AGENDA - SRIA (updated)

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Detailed structure: 8 main thematic priority areas 1/2

- **Education and training**
  - Education, awareness and skills development
  - Simulation, Training and Cyber Range
- **Certification, Standardisation, Go To Market, SMEs growth**
  - Certification, Standardisation
  - Fast Track of Innovation to Market
  - Digital instruments for SMEs
- **Demonstrations for the society, economy, industry and vital services**
  - Industry 4.0 and ICS, Energy incl. Smart Grids, Smart Cities and Smart Buildings, Transportation: road / air / rail / sea, Public sector / eGovernment / Digital Citizenship, Healthcare, Finance and Insurance, Telecom, Media and Content
- **Collaborative intelligence to manage cyber threats and risks**
  - Situation Awareness and risk assessment
  - High-assurance prevention and protection
  - Information sharing, security analytics and cyber threats detection
  - Cyber threat management: response and recovery

STRATEGIC R&I AGENDA - SRIA (updated)

Detailed structure: 8 main thematic priority areas 2/2

- **Remove trust barriers for data-driven applications and services**
  - Data security and privacy
  - ID and Distributed trust management (including DLT)
  - User centric security and privacy
- **Maintain a secure and trusted infrastructure in the long-term**
  - Network and system security, migration strategies
  - Trusted execution in a virtualised environment
  - Quantum resistant crypto
- **Intelligent approaches to eliminate security vulnerabilities in systems, services and applications**
  - Trusted supply chain for resilient systems
  - Security-by-design
- **From security components to security services**

STRATEGIC R&I AGENDA - SRIA

Demonstration/ cyber pilot projects/ APPLICATION AREAS

- Industry 4.0 and ICS;
- Energy Networks and Smart Grids;
- Transportation (road, rail, air, sea);
- Financial Services and Insurance;
- Public Services, eGovernment, Digital Citizenship;
- Healthcare;
- Smart Cities and Smart Buildings;
- Telecom, Media and Content.

ECSO MEMBERS

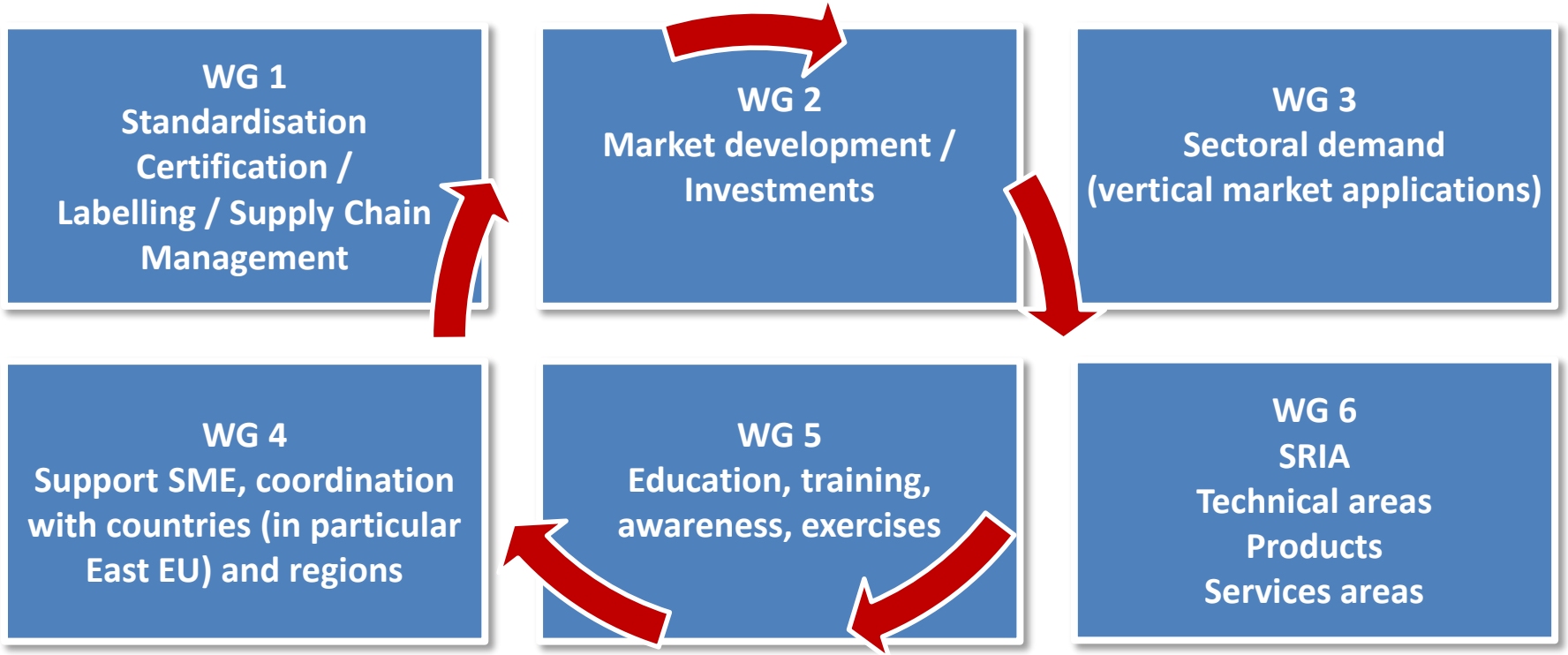
167 organisations… from 27 countries and counting

- Associations : 19
- Large companies: 52
- Public Administrations: 11
- Regional clusters; 2
- RTO/Universities: 43
- SMEs: 34
- Users/Operators (users are also in large companies, when also suppliers): 6

11 public authorities:
UK, ES, IT, FR, DE, SK, EE, FI, NO, CY, PL
More to come soon (BG, NL, …)

AUSTRIA	5	ITALY	28
BELGIUM	4	LATVIA	1
BE - EU ASS	7	LUXEMBOURG	2
CYPRUS	4	NORWAY	4
CZECH REP.	1	POLAND	5
DENMARK	2	PORTUGAL	5
ESTONIA	4	ROMANIA	2
FINLAND	7	SLOVAKIA	2
FRANCE	19	SPAIN	26
GERMANY	14	SWEDEN	1
GREECE	2	SWITZERLAND	2
HUNGARY	1	THE NETHERLANDS	7
IRELAND	1	TURKEY	2
ISRAEL	1	UNITED KINGDOM	7

WORKING GROUPS & TASK FORCES



The Status / Activities of ECSO

- Organisation up and running in record time
- WG1 (standards, certification), WG3 (market verticals), WG4 (SMEs), WG5 (education, training, awareness) and WG6 (SRIA) started;
- WG2 (Market investments) and will start in December
- Activity has started at much higher speed than usual in Brussels: beginning of October first draft of WP 2018-2020 priorities and Certification Roadmap; finalised paper by early December.
- Interesting activities expected in 2017 (ECSO event + High Level Roundtable with EU and National public Administrations and CEOs in Spring; main event in Tallinn under EE Presidency of the EU, …).

More info at: www.ecs-org.eu

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