

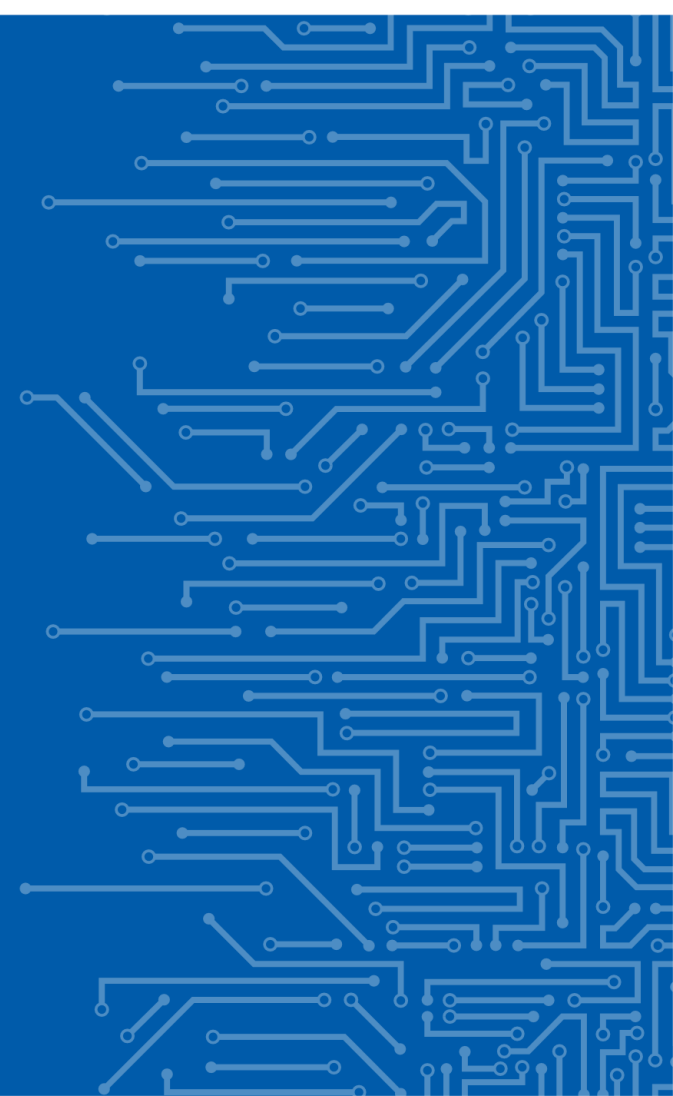


THE EU CYBERSECURITY AGENCY

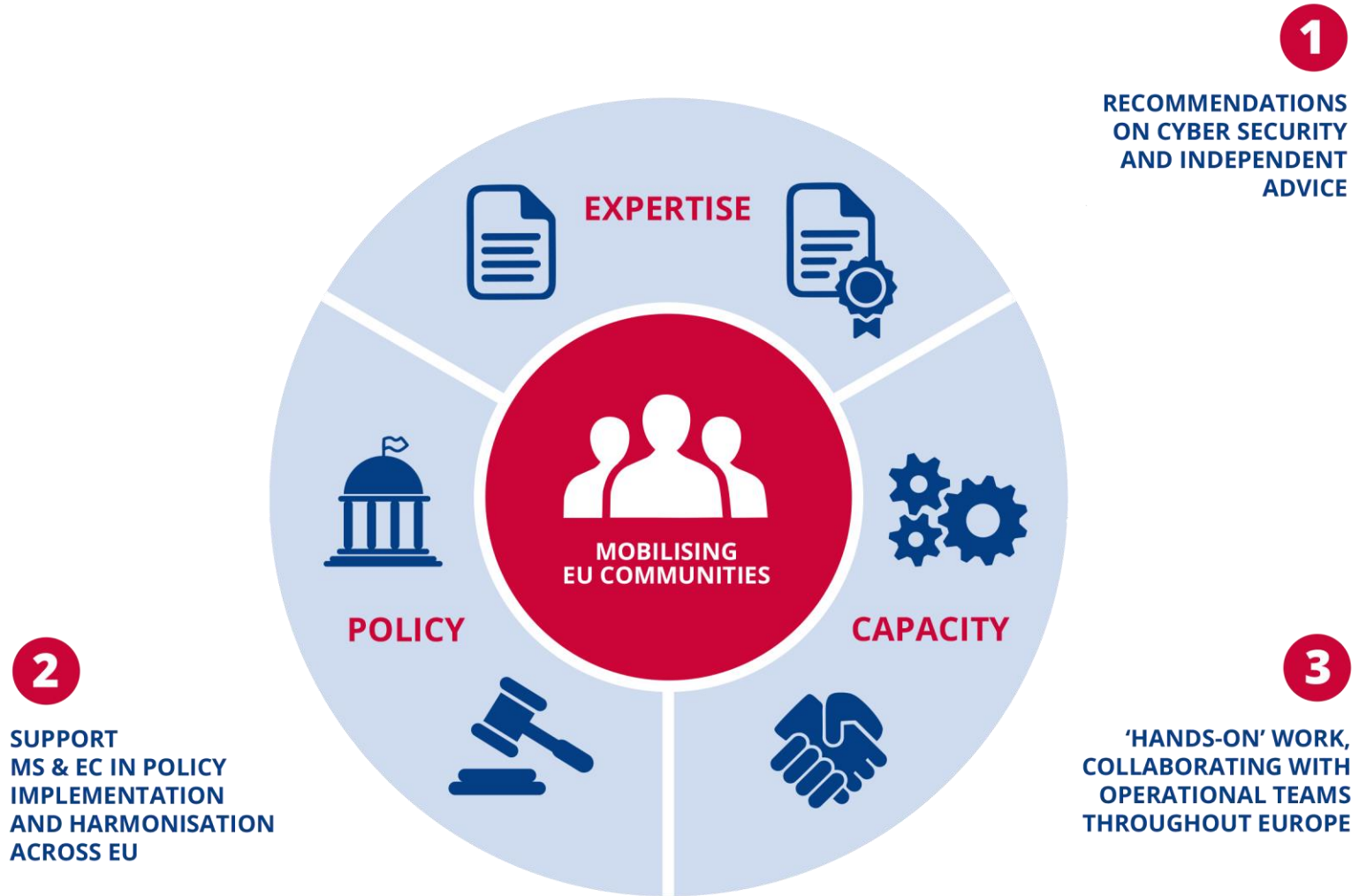
ENISA'S ACTIVITIES IN ENERGY SECTOR

Christina Skouloudi, ENISA
Officer in Network and Information Security

11 | 04 | 2019



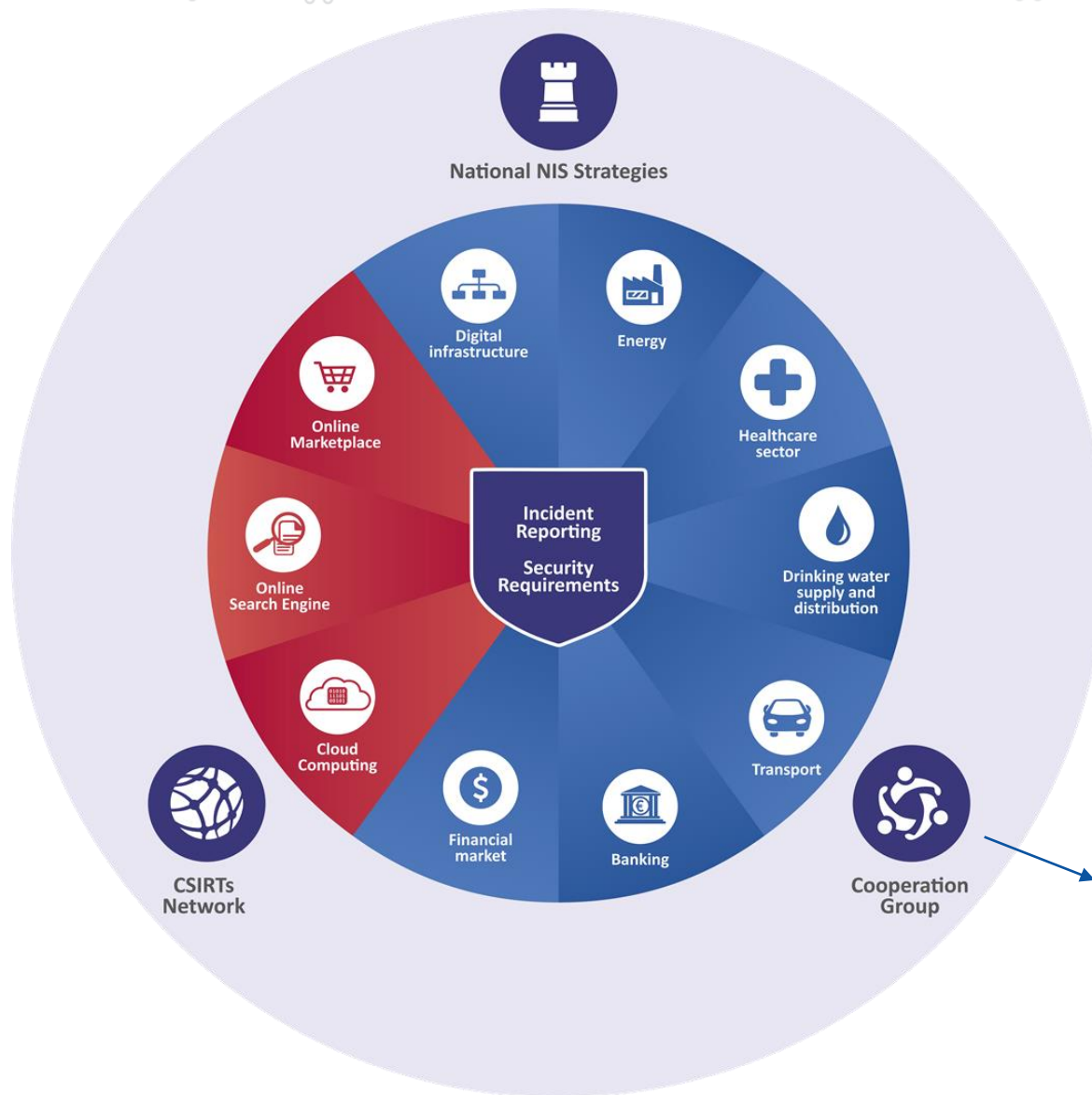
POSITIONING ENISA'S ACTIVITIES





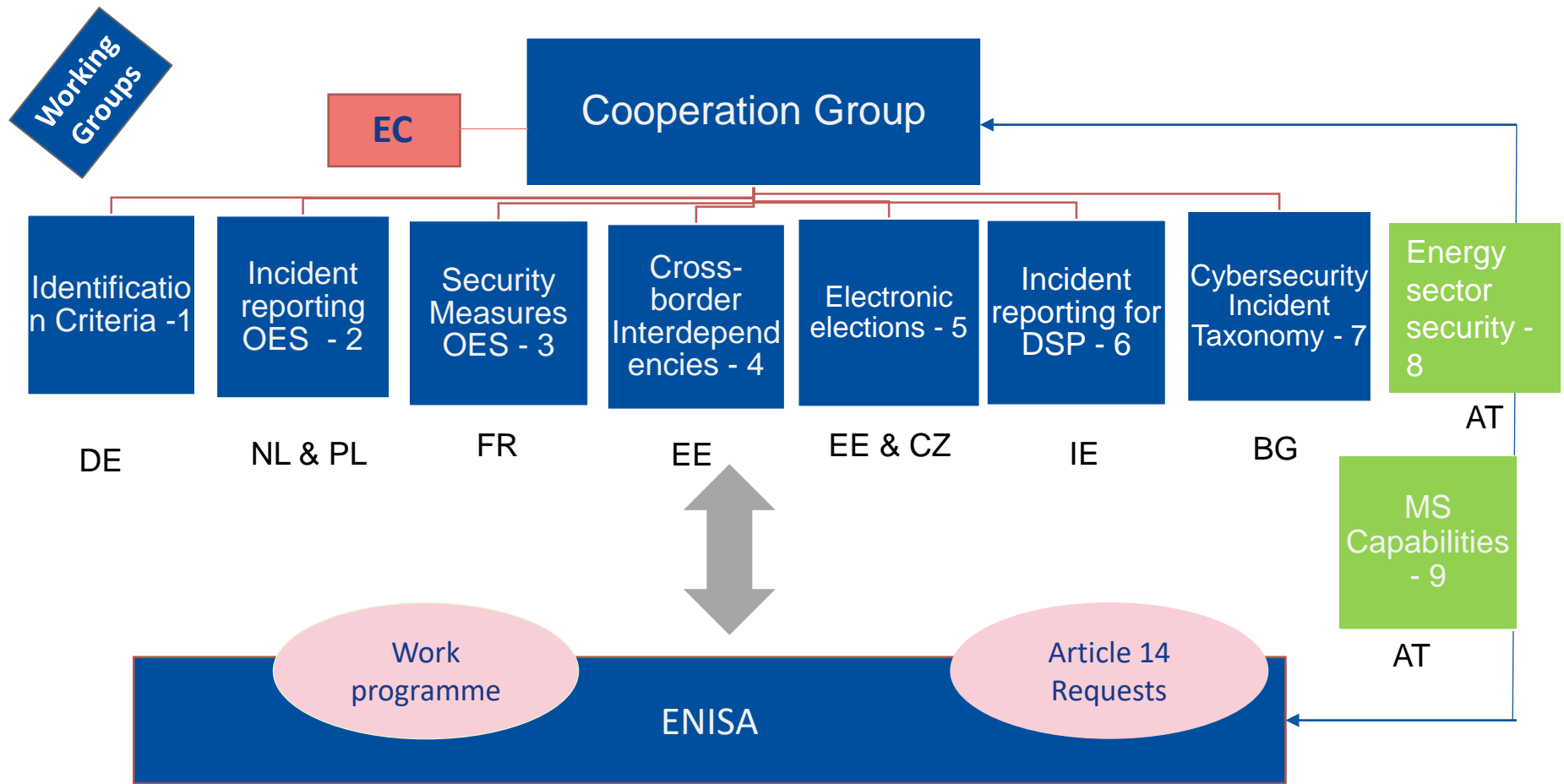
ENISA'S ACTIVITIES IN ENERGY SECTOR

- **NIS Directive**
- **Established relations with**
 - DG-ENER
 - European Energy Cybersecurity Strategy – DG ENER
 - SGTF2 (Cybersecurity Network Code for energy utilities)
 - ACER, CEER
- **Studies on smart grid security & certification**
- **Information Sharing / Mobilising community**
 - EE-ISAC
 - TNCEIP
 - GIE



WS8 on cyber security for the energy sector – AT is the leader

COOPERATION-GROUP & ENISA





ENISA'S ROLE IN THE NISD

1. Assist MS and the EU Commission
2. Participate in the EU NIS Cooperation Group
3. Secretariat for CSIRTs Network
4. Elaborate advices and guidelines regarding standardization in NIS security
5. Organize exercises



ENERGY SECTOR AN ATTRACTIVE TARGET

- **Cultural reasons:**

 - Physical protection, safety, availability

- **Historical reasons: (*ICS initially used proprietary software*)**

 - For specific activities, without security specifications.

 - COTS in business and industrial entities of energy companies.

 - Complex networks and services

- **Organizational reasons:**

 - Different company units can be used as a backdoor to ICS.

 - Communication channels between different company entities.

- **Operational reasons:**

 - Industrial operations continuity makes updating/patching difficult.



EE-ISAC Mission Statement

*“to improve the **resilience** and **security** of the European energy infrastructure. We do so through trust based **information sharing** and by enabling a **joint effort** for the analysis of threats, vulnerabilities, incidents, solutions and opportunities. EE-ISAC offers a **community of communities** to facilitate this proactive information sharing and analysis, allowing its members to take their own effective measures.”*

EE-ISAC Today

2018 FACTS & FIGURES

23
MEMBERS

- Utilities 
- Vendors 
- EU/Public Bodies 
- Academia 
- Research Labs 

10
EVENTS



+ Signed agreements with
Japan E-ISAC
& US E-ISAC

10
TASK FORCES





+ 1 Published White Paper
3 Expected Webinars



Activities & Sharing Topics

Physical Info Sharing Community

- Plenary meetings
- Community meetings
- Theme based meetings
- Open house meetings

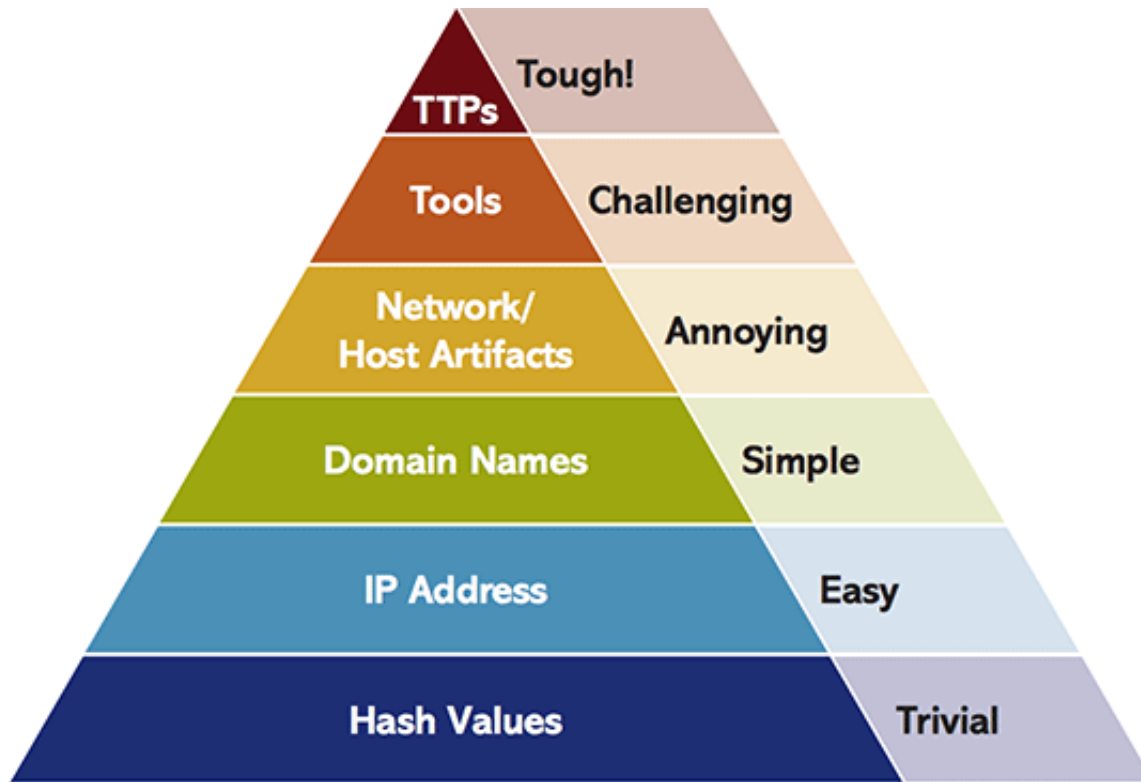
Digital Info Sharing Community

- Information requests/push
- Webinars
- Whitepaper

Topics of Information Sharing

- Vulnerabilities in IT and OT systems
- Threat/Risk analysis information
- Incidents
- Lessons learned / best practices
- Alerts and (patch)notifications
- Use of standards (ISO, IEC, NIST, NERC etc.)
- Research (H2020) topics

Digital information sharing



Physical Info Sharing
Community

Digital Info Sharing
Community

Topics of Information
Sharing



Webinars



ENISA organizes surveys with the Members to select the webinar topics. This year the webinars are planned according to the following list of preferences:

1. What is the best build-up of a SOC for utilities? – RambiCo
2. *Discovering and Defending Against Vulnerabilities in Building Automation Systems – Forescout*
3. Introduction to Network forensics ICS/SCADA environment – ENISA

Physical Info Sharing
Community

Digital Info Sharing
Community

Topics of Information
Sharing





CONCLUSIONS

Cyber attacks on CII is now the norm than a future trend.

Enable higher level of security for Europe's Infrastructures.

- NISD first piece of work at EU level
- Updated Cyber security strategy

MS and private sector, with the assistance of ENISA, should co-operate to protect CII

- sharing experiences and information
- developing and deploying good practices
- co-operate with NRAs to achieve EU wide harmonization of EU regulations

THANK YOU FOR YOUR ATTENTION

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