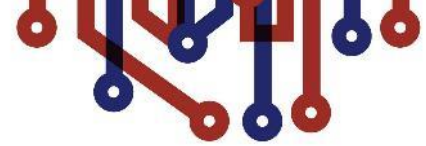# Information Sharing in Network of Trust

EE-ISAC stems from an EU project

EE-ISAC is the outcome of Distributed Energy Security Knowledge (DENSEK) project, which had the objectives of improving the resilience of the energy infrastructure and cyber security of the Smart Grid Energy Grid.

How

- Join forces at EU level
- Involving entire energy supply chain
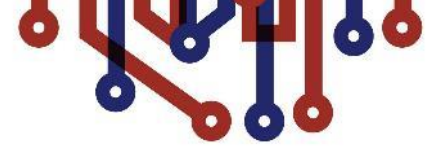- Improving know-how and awareness of all stakeholders

The EE-ISAC

- Enables an interactive information sharing community
- Is operational as a Belgian non-profit since November 2015

Three deliverables

- European Energy Information Sharing and Analysis Center (EE-ISAC)
- Information Sharing Platform
- Situational Awareness Network

Facts & Figures

28 Members

9	**7**	**5**	**2**	**5**
Operators	**Service Providers**	**Academia**	**Research**	**Government/NGO**

External Activities

3	**3**	**9**
Annual Webinar	**Annual Plenaries**	**Partners (MOUs)**

JE-ISAC OT-ISAC

E-ISAC **EUROSCSIE Circle of Trust**

EASE

Kraft GERT EUROCONTROL ENCS

Value & Impact

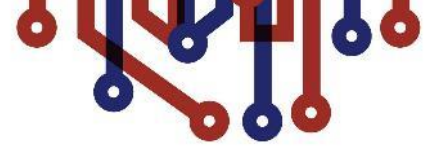|				
5	**4**		**IN PROCESS**	**IN PROCESS**
Task Forces	**Publications**	**increasing MISP Connections**	**Standards**	**Threat Modelling**

Task Forces

Malware Information Sharing Platform

Goals
- identify threats artefacts and malicious activities
- detect analysis and subsequent phases of incident handling
- share information in quasi-real-time

Deliverables
- platform connection to partners
- supervision of the system to ensure efficiency, reliability and updates
- provisioning user access credentials

Threat Landscape

Goals
- define and edit annual threat landscape document for the energy sector
- collect feedbacks on threats and emerging scenarios from Members

Deliverables
- insights into top cyber tends and attacks against energy sector

Threat Intelligence & Incident Analysis-Response

Goals
- establish threat modeling standard
- build capabilities and new competences within the EE-ISAC and in partnership with other ISACs/ENISA

Deliverables
- edit annual threat intelligence playbook on ransomware
- edit annual incident response publication
- cooperate with other ISACs and expert communities to define common practices
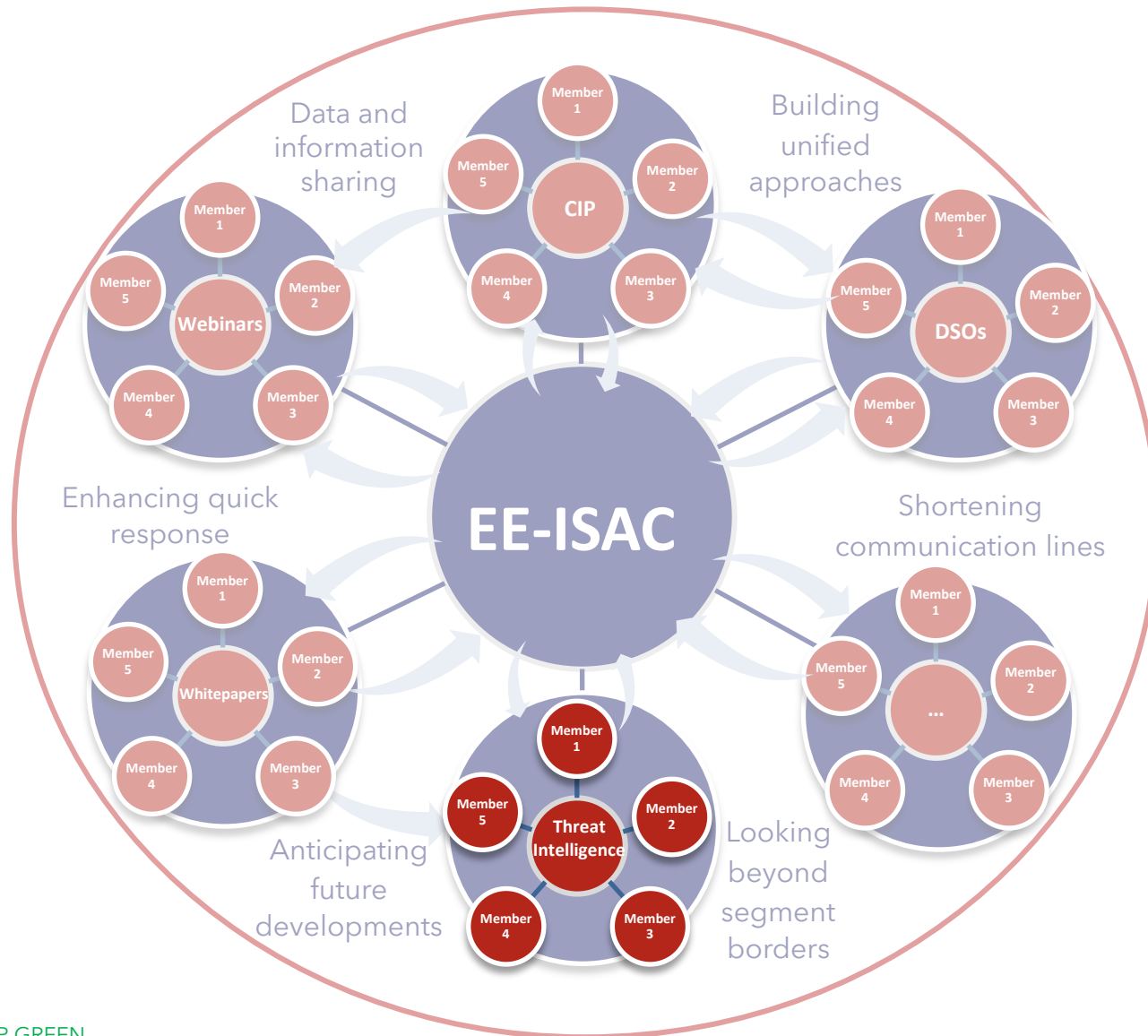
EU Initiatives Task Force

- EU Commission Public Consultations
- EU Projects
- EU Sectorial ISACs

Marketing

- Internal and external communication
- Events management
- External relations management

Community of Communities

The TI task force is coordinated by a **core team** that has the main duties of **selecting the issues** and the topics to analyze in depth, with objectives **shared with the other members** during the plenary and, eventually, the Board.

EE-ISAC MISP integration model
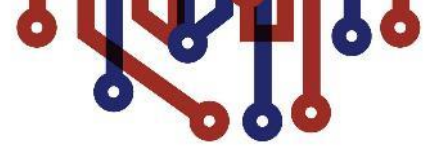
MISP enables:

- **An efficient IoC and database about malware samples, incidents & attackers**
- **Automatic correlation finding relationships between attributes & indicators**

Partners and members are connected to protected information on the server

- Partner and member information are readable from EE-ISAC instance
- Used for the distribution of TI information
- Vetted information with high certainty.

Core TI group have a separate group to discuss and exchange unvetted threat information

- The last are transferred to main group after process is complete

Every member is able to submit TI to core group to initiate vetting process.

Partners

Core TI team

18 EE-ISAC users
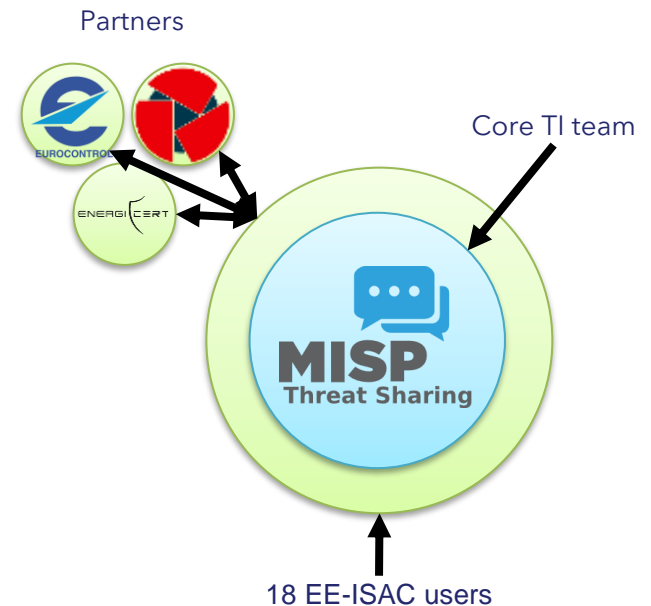
Digital Information Sharing

Today

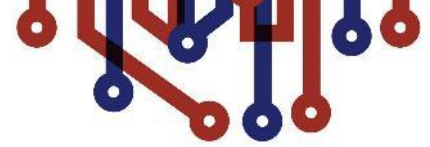(Vmoso + MISP Threat Sharing)
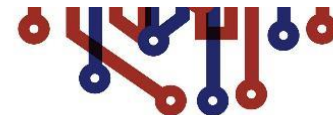
2022

Empowering EU-ISACs · enisa

project funded by the European Commission's Directorate General CNECT to:

- improve the maturity and legitimacy of the ISACs
- develop a uniform digital service infrastructure

Our consortium partners

INTRASOFT INTERNATIONAL · DFN CERT® · Capgemini invent · TNO innovation for life · Spark Legal network

Empowering EU-ISACs Platform

November 2021

- Platform is ready for use with document management, calendar, chat, video call, and survey.
- 2FA is enabled on Nextcloud and MISP

December 2021 – January 2022

- Onboarding of 5 ISACs to begin
- Nextcloud trainings to provide a quick start and share best practices for ISACs

Future Outlook

At the end of the EU Project, ENISA will take over the maintenance of the platform at the agreed level or with additional improvements.

Let's discuss further

Massimo Rocca

EE-ISAC Board Member

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