EMPOWERING EU ISACS OVERVIEW AND REPORT ON EU ISAC INITIATIVES

August 2022

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SECTOR: ENERGY

EU ISAC INITIATIVES

SUBSECTOR	EU ISAC INITIATIVE
Electricity	Yes
Gas	No
Oil	No

While the EE ISAC covers the subsector of Electricity, there are no ISAC initiatives that cover the Oil/Gas subsectors

NON-EU ISACS/SITUATIONAL CONTEXT

- Oil and Natural Gas ISAC (USA) : www.ongisac.org
- US Electricity-ISAC (USA) : www.eisac.com
- Japan Electricity-ISAC (JP) : www.je-isac.jp
- Industrial Cybersecurity Center (ICC): a non-profit organisation for Spanish-speaking countries

EUROPEAN ENERGY ISAC (EE ISAC)
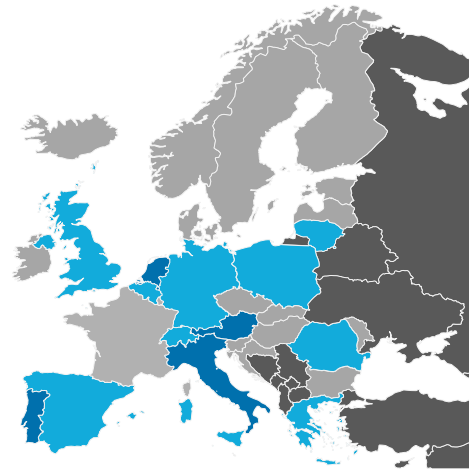
■ (Co)Chair ■ Members ■ Potential members

- Sector(s) NIS D-Annex II
  - Energy: electricity

- Board of Directors consists of 6 members: Enel, AppliedRisk, E.ON, E-REDES, EVN, EPRI
- Members: operators (10), vendors (9), academia (5), R&D (2), Governmental and NGOs (6)
- Member list: https://www.ee-isac.eu/who-we-are/ and announcements on Twitter.

CATEGORY	DETAILS
Website	https://www.ee-isac.eu/
Members	32
Type of Organization	Non-profit Organisation
Founding date	2015, exploring phase to set up the ISAC started in 2013 as part of the European DenSeK project .
Development phase	Managed

UPDATE ON ACTIVITIES EE ISAC

A running overview of past activities, achievements and coming initiatives

CATEGORY	PAST ACTIVITIES, ACHIEVEMENTS AND COMING INITIATIVES
Meetings	▪ Quarterly board meetings, Plenary meetings (open and closed, 2 per year) ▪ Organisation of webinars (3 per year), topics this year: OT Security, Log4J Incidents, Russia-Ukrain crisis
Communication/ publications	▪ Newsletters ▪ Whitepapers (approx. 2 per year) ▪ Communication through own website, Twitter and LinkedIn group
Topics	▪ Topics for information sharing: vulnerabilities in IT and OT, threat/Risk analysis information, lessons learned / best practices, alerts and notifications, use of standards, research (H2020) topics, ex-post incident analysis. ▪ EU activities: InterEUISAC meetings, TACTICS CEF proposal, EU Network code, NIS Directive revisions Resilience of Critical Entities Directive proposal ▪ Taskforces: MISP threat sharing, threat landscape, threat intelligence and analysis, EU Public Consultations, EU projects, EU Sectoral ISACs
Tools/ instruments/ frameworks	▪ Use of technical platforms to share information: VMoso and MISP. ▪ Terms of reference (way of working, elections, TLP, membership criteria, membership fees)
Other activities	▪ MoUs with 8 partners, including European Network for Cyber Security (ENCS) in December 2021 and European Utilities Telecom Council (EUTC) in May 2022.
Engagement from Empowering EU ISAC project	▪ Facilitations of stakeholder analyses, facilitation definition strategic actions, introductory meeting to CEF beneficiaries ▪ ISAC participates in Sounding Board ▪ Active participation in thematic workshops and conferences
Changes and evolvement during last 12 months	▪ Involvement: participation in Sounding Board (IT Platform), discussion on migration of data to Information sharing platform and MISP; soon to start: training activities for Information sharing platform and MISP. ▪ MoU with European Network for Cyber Security (ENCS) and European Utilities Telecom Council (EUTC)

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SECTOR: TRANSPORT - MARITIME

EU ISAC INITIATIVES

SUBSECTOR	EU ISAC INITIATIVE
Air	Yes
Rail	Yes
Water	Yes
Road	No

There are three EU ISAC initiatives in the transport sector:
- European Aviation ISAC / ECCSA
- EU Railway ISAC
- EU Maritime ISAC

There is also a Multi modal transport systems initiative focusing on threat analysis (e-corridor).

NON-EU ISACS/SITUATIONAL CONTEXT

- There is a prominent (and mature) international ISAC for the aviation sector: https://www.a-isac.com/
- The US-based Maritime Security Council hosts an Maritime ISAC, which claims to be operating for the international community: https://www.maritimesecurity.org/program.html
- The U.S. has ISACs for the Road sector which might be interesting to look at considering the comparable scale.

EUROPEAN MARITIME ISAC (EM ISAC)
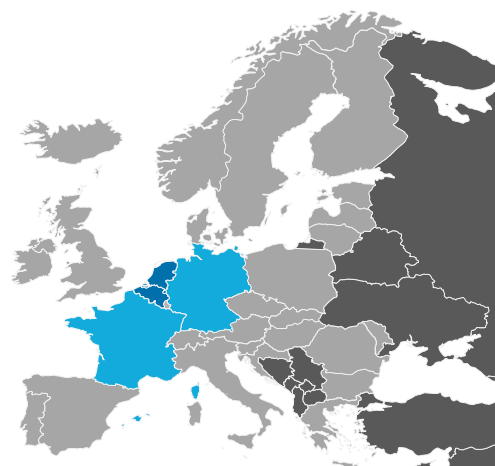
■ (Co)Chair ■ Members ■ Potential members

- Sector(s) NIS D-Annex II
  - Transport: Water, maritime

- Co-chairs: Port of Antwerp and Port of Rotterdam
- Members: Port of Le Havre, Port of Rotterdam, Port of Hamburg, Port of Antwerp, Port of Bremen, DP World Antwerp, PSA Antwerp. (note that Terminals have multiple locations)

(note that Terminals have multiple locations)

CATEGORY	DETAILS
Website	-
Members	7
Type of Organization	No entity (yet)
Founding date	February 2020
Development phase	Developing

UPDATE ON ACTIVITIES EM-ISAC

A running overview of past activities, achievements and coming initiatives

CATEGORY	PAST ACTIVITIES, ACHIEVEMENTS AND COMING INITIATIVES
Meetings	▪ Quarterly meetings: closed sessions with a focus on sharing of knowledge and experiences
Communication/ publications	▪ No publications yet
Topics	▪ Sharing threat analyses ▪ Sharing experiences and knowledge ▪ *Share experience with regard to tooling (ambition)* ▪ *Lobby activities regarding legislation (ambition)*
Tools/ instruments/ frameworks	
Other activities	▪ Plans to use the Information Sharing Platform (Empowering EU ISACs)
Engagement from Empowering EU ISAC project	▪ Project has supported setting-up the EM-ISAC: findings potential new members, facilitation informative sessions wit potential new members, facilitation of kick-off meeting and roadmap activities ▪ EM-ISAC is actively involved in the Sounding Board and participates in the Thematic Workshops and Conferences.

Changes and evolvement during last 12 months	▪ As a result of promotional activities end-2020, the ISAC has grown from 5 to 7 members. ▪ A kick-off meeting has taken place to define the objectives and quarterly meetings organized. ▪ Based on the defined objectives, the ISAC is currently defining its roadmap for the coming period.

SECTOR: TRANSPORT - AIR

EU ISAC INITIATIVES

SUBSECTOR	EU ISAC INITIATIVE
Air	No
Rail	Yes
Water	Yes
Road	No

There are three EU ISAC initiatives in the transport sector:
- European Aviation ISAC / ECCSA
- EU Railway ISAC
- EU Maritime ISAC

There is no EU ISAC initiative in the Road (sub)sector

NON-EU ISACS/SITUATIONAL CONTEXT

- There is a prominent (and mature) international ISAC for the aviation sector: https://www.a-isac.com/
- A former EU ISAC initiative for the aviation sector was undertaken without success. Still some involved people/organization might be interested to join a new undertaking.

EUROPEAN AVIATION ISAC (EA-ISAC / ECCSA)

■ (Co)Chair   ■ Members   ▨ Potential members

- Sector(s) NIS D-Annex II
  - Transport: Air

- It is defined that the initial group of ECCSA founding members should be representative of the following stakeholders: aviation manufacturers, aviation organisations, Air Navigation Service Providers (ANSPs), European Commission, EASA, CERT-EU, ENISA, National Aviation Authorities and governmental Civil Aviation institutions.

CATEGORY	DETAILS
Website	https://www.easa.europa.eu/eccsa
Members	?
Type of Organization	?
Founding date	February 2017
Development phase	Initial

UPDATE ON ACTIVITIES EA-ISAC / ECCSA

A running overview of past activities, achievements and coming initiatives

CATEGORY	PAST ACTIVITIES, ACHIEVEMENTS AND COMING INITIATIVES
Meetings	▪ Not available
Communication/ publications	▪ Via own website ▪ Newsletter 'On Air' (latest version 2017)
Topics	▪ Information sharing and management ▪ Prevention and response to cyber security incidents: promotion of awareness
Tools/ instruments/ frameworks	▪ Information sharing and management platform (tbc) – supported by EASA ▪ TLP protocol
Other activities	▪ -
Engagement from Empowering EU ISAC project	▪ Potential support is pending MoU discussions ▪ Project was introduced via ENISA/ EC

Changes and evolvement during last 12 months	▪ No changes last 12 months

SECTOR: BANKING / FINANCE

EU ISAC INITIATIVES

SUBSECTOR	EU ISAC INITIATIVE	Contact
-	EU-FI-ISAC	YES

- The banking sector has no official subsectors and has one operating ISAC: the European Financial Institutes ISAC (EU-FI-ISAC)

NON-EU ISACS/SITUATIONAL CONTEXT

- The US-originated global FS ISAC (https://www.fsisac.com/) also has a European headquarter
- FS-ISAC is an industry consortium that connects nearly 7,000 member financial institutions and more than 15,000 users in more than 70 jurisdictions. We encourage financial institutions to apply for membership, including:
  - Banks, Brokerage or Securities Firms, Credit Unions, Financial Trade Associations, Insurance Companies, Investment Firms, MSSP or Bank Service Provider, Payment Processors

EUROPEAN FINANCIAL INSTITUTES ISAC (E-FI-ISAC)

■ (Co)Chair ■ Members ■ Potential members

- Sector(s) NIS D-Annex II
  - Banking

- Members: approximately 12 countries, 40 participants
- Country representatives from FI sector, national CERTs and Law Enforcement Agencies, ENISA, Europol, ECB, European Payments Council, EC.
- Secretariat run by ENISA

CATEGORY	DETAILS
Website	https://www.enisa.europa.eu/topics/cross-cooperation-for-csirts/finance/european-fi-isac-a-public-private-partnership
Members	40
Type of Organisation	Informal organisation
Founding date	2008
Development phase	Defined

UPDATE ON ACTIVITIES EU-FI-ISAC

A running overview of past activities, achievements and coming initiatives

CATEGORY	PAST ACTIVITIES, ACHIEVEMENTS AND COMING INITIATIVES
Meetings	▪ The ISAC members meet twice per year
Communication/ publications	▪ Forwarding continuously relevant information via the EU FI-ISAC list server, direct individual communication between member organizations/individuals through either email, phone or secure messaging platform
Topics	▪ Information exchange on e- and m-channel, cards, central systems and all ICT related topics including cyber-criminal activity affecting the financial community, vulnerabilities, technology trends and threats, and incidents and case-studies
Tools/ instruments/ frameworks	▪ Informal organisation; knowledge sharing based on TLP protocol (no statutes, MoU) ▪ EU FI-ISAC list server ▪ Mattermost secure messaging system ▪ MISP
Other activities	▪ MoU with Europol EC3
Engagement from Empowering EU ISAC project	▪ Active participation in thematic workshops and conference ▪ Direct contact with the ISAC through ENISA secretariat
Changes and evolvement during last 12 months	▪ No known changes

SECTOR: FINANCIAL MARKET INFRASTRUCTURES

EU ISAC INITIATIVES

| SUBSECTOR	EU ISAC INITIATIVE
-	CIISI-EU

- The financial market infrastructures sector has no subsectors. One EU ISAC initiative has been identified the Cyber Information and Intelligence Sharing Initiative (CIISI-EU)

NON-EU ISACS/SITUATIONAL CONTEXT

- The US-originated global FS ISAC (https://www.fsisac.com/) also has members from Europe
- FS-ISAC is an industry consortium that connects nearly 7,000 member financial institutions and more than 15,000 users in more than 70 jurisdictions. We encourage financial institutions to apply for membership, including:
  - Banks, Brokerage or Securities Firms, Credit Unions, Financial Trade Associations, Insurance Companies, Investment Firms, MSSP or Bank Service Provider, Payment Processors

CYBER INFORMATION AND INTELLIGENCE SHARING INITIATIVE (CIISI-EU)
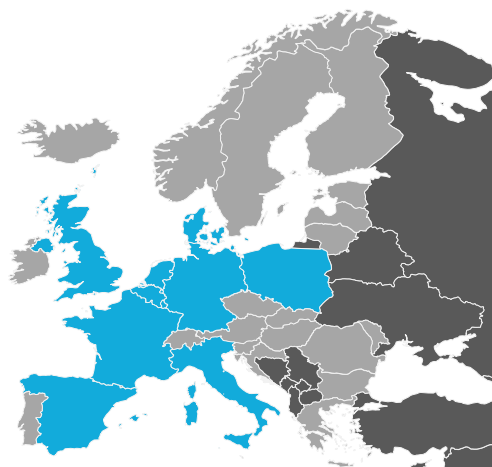
■ (Co)Chair	■ Members	■ Potential members

- Sector(s) NIS D-Annex II
  - Digital Infrastructure

- Members: at least 10 Member States
- A group of Europe's largest and most important financial infrastructures, members of the Euro Cyber Resilience Board for pan-European Financial Infrastructures (ECRB), chaired by the European Central Bank (ECB)
- See member list

CATEGORY	DETAILS
Website	https://www.ecb.europa.eu/press/pr/date/2020/html/ecb.pr200227_1~062992656b.en.html
Members	29
Type of Organization	Informal organization. In the future possibly a legal entity
Founding date	February 2020
Development phase	Developing

UPDATE ON ACTIVITIES CIISI-EU

A running overview of past activities, achievements and coming initiatives

CATEGORY	PAST ACTIVITIES, ACHIEVEMENTS AND COMING INITIATIVES
Meetings	▪ ECRB meetings (2 per year), trusted group calls (monthly) or physical meetings (2 per year)
Communication/ publications	▪ https://www.ecb.europa.eu/paym/groups/euro-cyber-board/html/index.en.html
Topics	▪ To facilitate the sharing of information, intelligence and best practices between financial infrastructures; and to raise awareness of cybersecurity threats. ▪ The core objectives of the initiative, known as are to protect the financial system by preventing, detecting and responding to cyberattacks; to facilitate the sharing of information and good practices between financial infrastructures; and to raise awareness of cybersecurity threats. ▪ Threat intelligence by 3rd party provider (bi-annual)
Tools/instruments/ frameworks	▪ Shares vital strategic, operational and tactical information and intelligence among themselves using an automated platform: CIRCL (MISP) ▪ TLP protocol and member obligations ▪ CIISI-EU Terms of Reference, CIISI-EU Community Rulebook ▪ Threat intelligence platform, including analysis and information sharing
Other activities	▪ -
Engagement from Empowering EU ISAC project	▪ No direct need for support expressed by the ISAC ▪ Invitations shared via the secretariat ▪ No known changes

evolvement during last 12 months

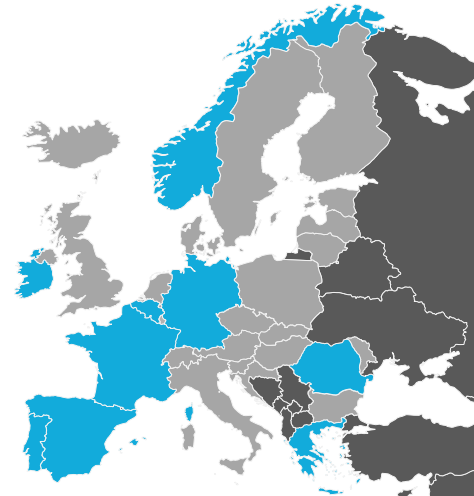# SECTOR: DRINKING WATER SUPPLY AND DISTRIBUTION

EU ISAC INITIATIVES

SUBSECTOR	EU ISAC INITIATIVE
-	EW-ISAC

- An EU Water ISAC has been established in 2021, based on interest from Water utilities, contributors to the European STOP-IT initiative, CEF Beneficiaries and ENISA contacts.

NON-EU ISACS/SITUATIONAL CONTEXT

- The U.S.-based Water ISAC : https://www.waterisac.org/

WATER ISAC (EW-ISAC)

■ (Co)Chair   ■ Members   ■ Potential members

- Sector(s) NIS D-Annex II
  - Drinking Water Supply and Distribution

- Members: Aigües de Barcelona (Spain), Berliner Wasserbetriebe (Germany), MEKOROT (Israel) and Oslo VAV (Norway), Hessenwasser (Germany), SinTef (Norway), Emasagra (Spain), ViK Split (Croatia), WaterNet (Netherlands), Irish Water (Ireland), Aguas do Norte and Aguas do Porto(Portugal), Volue (Norway), AquaServ (Romania)

CATEGORY	DETAILS
Website	-
Members	Approximately 30 individual participants
Type of Organisation	-
Founding date	2021
Development phase	Initial

UPDATE ON ACTIVITIES EW-ISAC

A running overview of past activities, achievements and coming initiatives

CATEGORY	PAST ACTIVITIES, ACHIEVEMENTS AND COMING INITIATIVES
Meetings	▪ Quarterly information-sharing sessions
Communication/ publications	▪ tbd
Topics	▪ Information sharing and analyses on cyber-attacks ▪ Increase awareness and competences ▪ Information sharing tooling ▪ NIS Directive support
Tools/ instruments/ frameworks	▪ tbd
Other activities	▪ tbd
Engagement from Empowering EU ISAC project	▪ Over the course of 2021 and beginning of 2022, three large-scale information-sharing sessions have been organised and supported by the Empowering EU ISACs. The consortium has helped a core-group of participants with preparing and presiding these meetings.

| Changes and evolvement during last 12 months | ▪ Two first large-scale information sharing sessions took place.
▪ (co)chairs have been appointed
▪ The EW ISAC has been introduced and onboarded to the Empoering EU ISACs platform which they will use in 2022 |

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SECTOR: HEALTH

EU ISAC INITIATIVES

SUBSECTOR	EU ISAC INITIATIVE
-	YES

- The health sector has no subsectors and EC and ENISA initiated talks about setting up an EH- ISAC have been talking place in Q2 of 2020

NON-EU ISACS/SITUATIONAL CONTEXT

- There are multiple national health CSIRTs in EU Member States which might assist in setting up an EU ISAC
- U.S.-based Health ISAC which has been active for over 10 years and claims to be operating globally: https://h-isac.org/

EUROPEAN HEALTH ISAC (EH-ISAC)

(Co)Chair   **Members**   **Potential members**

- Sector(s) NIS D-Annex II
  - Health

- Initial exploratory meetings with healthcare organisations, foremost hospitals.
- Potential members include: Instituto de Investigación Sanitaria Puerta de Hierro, Johanniter hospitals (Austria)**, Hospital de Dénia-MarinaSalud, 5th Regional Health Authority of Thessaly & Sterea, 7th Health Region of Crete, General University Hospital of Larissa, Centro Hospitalar e Universitário de Coimbra

CATEGORY	DETAILS
Website	-
Members	10-15
Type of Organization	Informal initiative
Founding date	Talks started in Q2 2020
Development phase	Initial

**Johanitter hospitals has a presence in: Austria, Cyprus, Denmark, England, Finland, France, Germany, Hungary, Italy, Jerusalem, Latvia, Malta, Netherlands, Poland, Sweden, Switzerland, Germany, Netherlands, England, Sweden.

UPDATE ON ACTIVITIES EH-ISAC

A running overview of past activities, achievements and coming initiatives

CATEGORY	PAST ACTIVITIES, ACHIEVEMENTS AND COMING INITIATIVES
Meetings	• 1 Kick Off Information Sharing Session in September 2021 • 2nd Information Sharing session scheduled in 2022
Communication/ publications	• -
Topics	• -
Tools/ instruments/ frameworks	• -
Other activities	• -
Engagement from Empowering EU ISAC project	• First information-sharing session facilitated (30th of September 2021) • Supporting analysis of key players in the sector, active in cybersecurity as potential new members
Changes and evolvement during last 12 months	• ENISA organised 2 sessions in 2020 to discuss the value of setting up an ISAC. • A follow-up session and an information-sharing (kick-off) session have been organised by EC / Empowering EU ISACs project.

SECTOR: DIGITAL INFRASTRUCTURE

EU ISAC INITIATIVES

SUBSECTOR	EU ISAC INITIATIVE
IXPs	PISAX
DNS Service Providers	-
TLD Name Registries	-

- Of the three subsectors in the Digital Infrastructure sector, one EU ISAC initiative has been identified: : the so-called PISAX project for the establishment of an ISAC to support Internet Exchange Points (IXPs) and General Packet Radio Service Roaming eXchange (GRXs) at the national, European and international level.

NON-EU ISACS/SITUATIONAL CONTEXT

- The U.S.-based IT-ISAC (https://www.it-isac.org/benefits).

PAN-EUROPEAN INFORMATION SHARING AND ANALYSIS FOR INTERNET EXCHANGE POINT AND GLOBAL ROAMING EXCHANGE (PISAX)

■ (Co)Chair	■ Members	Potential members

- Sector(s) NIS D-Annex II
  - Digital Infrastructure: IXPs

- Members: The ISAC (hereby referred to as "PISAX") aims at gathering up to 10 IXPs and GRXs organizations.
- Founding organisations and facilitators are: CIRCL Luxembourg, POST Luxembourg and LU-CIX.

CATEGORY	DETAILS
Website	https://ec.europa.eu/inea/en/connecting-europe-facility/cef-telecom/2018-lu-ia-0148
Members	20 IXP organisations, 47 individual users
Type of Organization	Informal organisation
Founding date	September 2019
Development phase	Initial

UPDATE ON ACTIVITIES PISAX

A running overview of past activities, achievements and coming initiatives

CATEGORY	PAST ACTIVITIES, ACHIEVEMENTS AND COMING INITIATIVES
Meetings	▪ No reoccurring meetings.
Communication/ publications	• PISAX maintains a website: https://www.pisax.org/ for informational purposes • Presentation PISAX at Euro-IX Virtual Forum 20 years of IXP Cooperation on June 29th 2021 • No continual (external) communication via other channels

Topics	▪ Topics of relevance which were communicated as input for the Empowering EU ISACs Conference:
	    ▪ Cyber Threat Intelligence
	    ▪ NIS-Directive revision

Tools/ instruments/ frameworks	▪ PISAX focuses on the use of technical platforms to share information and provides an automated and secure threat intelligence sharing system building on the existing Malware Information Sharing Platform (MISP).
Other activities	▪ -
Engagement from Empowering EU ISAC project	▪ Co-facilitated an introductory presentation about PISAX at the Euro-IX Conference (25-03-2021) to attract new members ▪ Linked PISAX to the new ISAC initiative in the TLD sector
Changes and evolvement during last 12 months	▪ PISAX is actively reaching out to new members to make use of the initiative and the technical MISP-based platform it provides. ▪ MISP training has been provided to EU ISACs by CIRCL

SECTOR: DIGITAL SERVICE PROVIDERS

EU ISAC INITIATIVES

SUBSECTOR	EU ISAC INITIATIVE
Cloud Conmputing Services	PISAX
Online Marketplaces	-
Online Search Engines	-

- Of the three subsectors in the Digital Infrastructure sector, one EU ISAC initiative has been identified: there is an interest at Microsoft to set up a Cloud ISAC

NON-EU ISACS/SITUATIONAL CONTEXT

- U.S.-based IT-ISAC (https://www.it-isac.org/benefits)

CLOUD ISAC

| ■ (Co)Chair | ■ Members | ■ Potential members |

- Sector(s) NIS D-Annex II
  - Digital Service Providers

- Potential Cloud ISAC members: Microsoft, AWS, Google, SAP, OVH, CISPE, GAIA-X, Bleu, Aruba

CATEGORY	DETAILS
Website	
Members	-
Type of Organization	-
Founding date	
Development phase	Initial

UPDATE ON ACTIVITIES CLOUD ISAC

A running overview of past activities, achievements and coming initiatives

CATEGORY	PAST ACTIVITIES, ACHIEVEMENTS AND COMING INITIATIVES
Meetings	▪ -
Communication/ publications	▪ -
Topics	▪ -
Tools/ instruments/ frameworks	▪ -
Other activities	▪ -
Engagement from Empowering EU ISAC project	▪ Organisation of exploratory meetings with interested parties

Changes and evolvement during last 12 months	▪ First exploratory meeting has taken place in June with Microsoft, AWS and Google. Next steps is to gather other interested parties from the EU to join (including SAP, OVH, CISPE).

SECTOR: ICS-SCADA

EU ISAC INITIATIVES

SUBSECTOR	EU ISAC INITIATIVE
Industrial Control Systems / Supervisory Control And Data Acquisition	EuroSCSIE

- EuroSCSIE (European SCADA and Control Systems Information Exchange) is an initiative which covers ICS/SCADA, with a significant overlap with organisations in the Energy sector.

NON-EU ISACS/SITUATIONAL CONTEXT

- …

EUROPEAN SCADA AND CONTROL SYSTEMS INFORMATION EXCHANGE (EUROSCSIE)

■ (Co)Chair   ■ Members   ▨ Potential members

- Sector(s) NIS D-Annex II
  - Digital Service Providers

- Chair: CERN
- Members: The Dutch Ministry of Economic Affairs, Electrabel (Belgium), CERN, BSI, The Hungarian CERT, EC/JRC, The Norwegian NorCERT, The Swedish Emergency Management Agency, The Swiss Federal Office of Police, The Swiss Federal Strategy Unit for IT, SwissGrid , The U.K. CPNI, Verbund-Austrian Power Grid AG (Austria)

CATEGORY	DETAILS
Website	
Members	13
Type of Organization	Informal organisation
Founding date	2005
Development phase	Managed

UPDATE ON ACTIVITIES EUROSCSIE

A running overview of past activities, achievements and coming initiatives

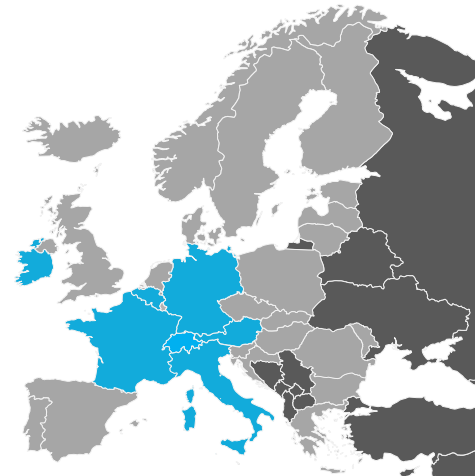| CATEGORY	PAST ACTIVITIES, ACHIEVEMENTS AND COMING INITIATIVES
Meetings	▪ On average, between 2-4 meetings on an annual basis
Communication/ publications	▪ -
Topics	▪ -
Tools/ instruments/ frameworks	▪ -
Other activities	▪ MoU with EE-ISAC
Engagement from Empowering EU ISAC project	▪ Chair of EuroSCSIE has filled in the self-assessment ISAC Maturity questionnaire ▪ Consultation workshop to determine roadmap and support by the Empowering EU ISACs project is scheduled in June 2021 ▪ Interested in using the information sharing platform
Changes and evolvement during last 12 months	▪ Quarterly meetings are planned the exchange information and with the objective to identify focus areas and potential new members.

SECTOR: CITIES IN EUROPE

EU ISAC INITIATIVES

SUBSECTOR	EU ISAC INITIATIVE
-	I4C+
-	-
-	-

- A Member of the European Cyber Security Community supporting Digital Europe- see https://cybersecurity-atlas.ec.europa.eu/node/42826

NON-EU ISACS/SITUATIONAL CONTEXT

- Mentored by the U.S. MS-ISAC® (https://www.cisecurity.org/isac/)
- Supported by the U.S. Computing Technology Industry Association – CompTIA (https://www.comptia.org/)
- Member of IE Innovation Value Institute at Maynooth University (https://ivi.ie/)

EUROPEAN CITIES ISAC

■ (Co)Chair   ■ Members   ■ Potential members

- Sector(s) NIS D-Annex II

ISAC FOR CITIES (I4C+)

- Chair: Major Cities of Europe Association (DE)
  Members: Ashkelon (IL), Cork City (IE), Cork Council (IE), Dublin City (IE), Fingal County (IE), Geneva (CH), Hamburg (DE), Lyon (FR), Prato (IT), Rijeka (HR), Tuscany Region (IT), Vienna (AT), Worcestershire County (UK) and Zurich (CH)

CATEGORY	DETAILS
Website	https://www.majorcities.eu/isac-for-cities-plus/
Members	Member cities plus four associations (SOCITM (UK), V-ICT-OR (BE), Governikus (DE) and ISCI (IL)) and one ecosystem IT blockchain security solutions provider (NAORIS (PT)).
Type of Organization	Formal (NDA signed between the members)
Founding date	2021
Development phase	Defined

UPDATE ON ACTIVITIES CITIES

A running overview of past activities, achievements and coming initiatives

CATEGORY	PAST ACTIVITIES, ACHIEVEMENTS AND COMING INITIATIVES
Meetings	▪ Weekly "coffee meetings" and monthly thematic "brown-bag" lunch sessions
Communication/ publications	▪ Weekly and monthly summaries of meeting discussions
Topics	▪ Sharing of knowledge, attacks/alerts and best practices
Tools/ instruments/ frameworks	▪ Community terms of reference available at https://innovation-web.eu/wiki/i4c-terms-of-reference ▪ Community roadmap available at https://innovation-web.eu/wiki/i4c-roadmap
Other activities	▪ Tabletop Exercise planned for annual conference ▪ Preparation of Eurostar funding proposal
Engagement from Empowering EU ISAC project	▪ Preparation of NDA template ▪ Active participation in the Sounding Board, development of platforms and homepage

Changes and evolvement during last 12 months	▪ NDA have been signed between the members ▪ The environment on the Information sharing platform and MISP is available for I4C+ ▪ Activities started to prepare a I4C+ homepage on isacs.eu

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ADDITIONAL IDENTIFIED EU ISAC INITIATIVES

TLD

Telecom

Automotive

Pharmaceuticals

Agrifood

Public safety

NIS-D ANNEX II

Sector	Subsector	Type of entity
Energy	Electricity	Electricity undertakings as defined in point (35) of Article 2 of Directive 2009/72/EC of the European Parliament and of the Council (1), which carry out the function of 'supply' as defined in point (19) of Article 2 of that Directive
		Distribution system operators as defined in point (6) of Article 2 of Directive 2009/72/EC
		Transmission system operators as defined in point (4) of Article 2 of Directive 2009/72/EC
	Oil	Operators of oil transmission pipelines
		Operators of oil production, refining and treatment facilities, storage and transmission
	Gas	Supply undertakings as defined in point (8) of Article 2 of Directive 2009/73/EC of the European Parliament and of the Council (2)
		Distribution system operators as defined in point (6) of Article 2 of Directive 2009/73/EC
		Transmission system operators as defined in point (4) of Article 2 of Directive 2009/73/EC
		Storage system operators as defined in point (10) of Article 2 of Directive 2009/73/EC
		LNG system operators as defined in point (12) of Article 2 of Directive 2009/73/EC
		Natural gas undertakings as defined in point (1) of Article 2 of Directive 2009/73/EC
		Operators of natural gas refining and treatment facilities
Transport	Air transport	Air carriers as defined in point (4) of Article 3 of Regulation (EC) No 300/2008 of the European Parliament and of the Council (3)
		Airport managing bodies as defined in point (2) of Article 2 of Directive 2009/12/EC of the European Parliament and of the Council (4), airports as defined in point (1) of Article 2 of that Directive, including the core airports listed in Section 2 of Annex II to Regulation (EU) No 1315/2013 of the European Parliament and of the Council (5), and entities operating ancillary installations contained within airports
		Traffic management control operators providing air traffic control (ATC) services as defined in point (1) of Article 2 of Regulation (EC) No 549/2004 of the European Parliament and of the Council (6)
	Rail transport	Infrastructure managers as defined in point (2) of Article 3 of Directive 2012/34/EU of the European Parliament and of the Council (7)
		Railway undertakings as defined in point (1) of Article 3 of Directive 2012/34/EU, including operators of service facilities as defined in point (12) of Article 3 of Directive 2012/34/EU
	Water transport	Inland, sea and coastal passenger and freight water transport companies, as defined for maritime transport in Annex I to Regulation (EC) No 725/2004 of the European Parliament and of the Council (8), not including the individual vessels operated by those companies
		Managing bodies of ports as defined in point (1) of Article 3 of Directive 2005/65/EC of the European Parliament and of the Council (9), including their port facilities as defined in point (11) of Article 2 of Regulation (EC) No 725/2004, and entities operating works and equipment contained within ports
		Operators of vessel traffic services as defined in point (o) of Article 3 of Directive 2002/59/EC of the European Parliament and of the Council (10)
	Road transport	Road authorities as defined in point (12) of Article 2 of Commission Delegated Regulation (EU) 2015/962 (11) responsible for traffic management control
		Operators of Intelligent Transport Systems as defined in point (1) of Article 4 of Directive 2010/40/EU of the European Parliament and of the Council (12)

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MATURITY LEVELS DERIVED FROM ENISA'S ISAC MATURITY MODEL

Initial

- Informal
- Ad hoc
- No analysis capability

Developing

- Partial formalization
- Information-sharing
- Introduction IT-too

Defined

- Complete structure /governance
- Basic analysis activities
- Year plan/roadmap /KPIs

Managed

- Formal/legal entity
- Collaboration platform/tools
- Analyses capacity & service offering

Optimised

- Continuous service delivery
- Influential institute
- Reiterative improvement