

European Cluster for Securing Critical Infrastructures – ECSCI

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The 2nd ECSCI Virtual Workshop, 27/04-2022, Google Meet



ECSCI Liaison Plan

- European Commission encourages collaboration among funded projects
- The Liaison Plan
 - create the ECSCI cluster of H2020 projects dealing with cyber and physical security of critical infrastructures and underpinning complex architectures
- ECSCI's main high-level objectives are:
 - Scientific Collaboration
 - Technical Collaboration
 - Communication & Dissemination (Workshops, Press, Web Presence,...)
 - Stakeholder Alliance
 - Marketplace - [Finsecurity.eu](https://www.finsecurity.eu)



ECSCI Specific Objectives

- create synergies and foster emerging disruptive security solutions via cross-projects collaboration and innovation
- focus on the different approaches between the clustered projects
- establish tight and productive connections with closely related and complementary projects
- promote the activities of the cluster
 - international scientific conferences/workshops
 - national or international stakeholders' workshops, involving both policy makers, industry and academic practitioners, and representatives from the European Commission.



ECSCI Cluster Members



ECSCI Success Stories



ECSCI Success Stories: Workshops

- FINSEC 2019
 - 1st International Workshop on Security for Financial Critical Infrastructures and Services) Co-located with ESORICS 2019, Luxembourg, September 27, 2019
- CPS4CIP 2020
 - The 1st International Workshop on Cyber-Physical Security for Critical Infrastructures Protection Co-located with ESORICS 2020, Guildford, UK, September 14-18, 2020
- CPS4CIP 2021
 - The 2nd International Workshop on Cyber-Physical Security for Critical Infrastructures Protection Co-located with ESORICS 2021, October 4-8, 2021, Virtual
- CPS4CIP 2022
 - The 3rd International Workshop on Cyber-Physical Security for Critical Infrastructures Protection) Co-located with ESORICS 2022, Copenhagen, Denmark - 26-30, Sep., 2022



ECSCI Success Stories: Workshops & Contributions

- 1st ECSCI Virtual Workshop, Google Meet, 24-25, June 2020
 - *Consolidated Proceedings of the 1st ECSCI Workshop on Critical Infrastructure Protection*
- 2nd ECSCI Virtual Workshop, Google Meet, 27-29, April 2022
 - Will prepare Consolidated Proceedings of the 2nd ECSCI Workshop on Critical Infrastructure Protection
- ECSCI Contribution to Newsletter on Critical Infrastructure Resilience
- Contributions to Proceedings
 - Computer Security. ESORICS 2021 International Workshops: CyberICPS, SECPRE, ADIoT, SPOSE, CPS4CIP, and CDT&SECOMANE
 - Cyber-Physical Security for Critical Infrastructures Protection
 - Computer Security: ESORICS 2019 International Workshops, IOsec, MSTEC, and FINSEC

ECSCI Success Stories: Collaboration & Information Sharing

- Co-editing Open Access Books
 - Titled: Cyber-Physical Threat Intelligence for Critical Infrastructures Security
 - Editors: John Soldatos (FINSEC), Gabriele Giunta (DEFENDER), James Philpot (SAFECARE)
 - <https://www.nowpublishers.com/article/BookDetails/9781680836868>
 - Titled: Cyber-Physical Threat Intelligence for Critical Infrastructures Security: Securing Critical Infrastructures in Air Transport, Water, Gas, Healthcare, Finance and Industry
 - Editors: John Soldatos (FINSEC), Isabel Praça (SAFECARE), Aleksandar Jovanović (SmartResilience)
 - <https://www.nowpublishers.com/article/BookDetails/9781680838220>
- Marketplace: The Finsecurity.eu Market Platform
 - Single Entry Point to FINSEC Solutions
 - Promotional Channels for the Project's Results
 - Present and Integrate Solutions from Other Projects
 - **Register with Finsecurity.eu – it takes 1'**



Coming soon: EU-CIP Resilience

European Knowledge Hub and Policy Testbed for Critical Infrastructure Protection (EU-CIP)

- **Synopsis**
 - Topic: HORIZON-CL3-2021-SSRI-01-02 Knowledge Networks for Security Research & Innovation
 - Thematic Area: Resilient Infrastructure (Option B)
 - Coordinator: Vito Morreale (vito.morreale@eng.it)
- Grant Agreement phase and the anticipated starting date is in October, 2022
- Project Goal:
 - establish a novel pan European knowledge network for resilient infrastructures, which will enable policy makers to shape and produce data-driven evidence-based policies, while boosting the innovation capacity of critical infrastructures (CI) operators, authorities, and innovators (including SMEs)
 - partners have already established the European Cluster for Securing Critical infrastructures (ECSCI), which brings together 22 projects that collaborate in CI Resilience
 - leverage the capacity, organization, community, and achievements of the ECSCI cluster towards establishing an EU-wide knowledge network with advanced analytical and innovation support capabilities

Coming soon: EU-CIP Objectives

European Knowledge Hub and Policy Testbed for Critical Infrastructure Protection (EU-CIP)

EU-CIP-Analysis

- Enhance Europe's Analytical Capability regarding research outcomes, technologies, and policies – Foster data-driven evidence-based policy and innovation development

EU-CIP-Amplify

- Maximize the impact of R&I CIP/CIR activities in Europe through innovation support and solution validation services

EU-CIP-Ecosystem

- Establish a Knowledge-Hub and create a vibrant ecosystem of interested and committed stakeholders around the project's result

Coming soon: EU-CIP Capabilities

European Knowledge Hub and Policy Testbed for Critical Infrastructure Protection (EU-CIP)

Fulfil	the reporting requirements listed in the call, in terms of the number and the (semestrial) frequency of the reports
Establish	a FAIR data observatory of research projects, research outcomes, technologies, standards, and policies to facilitate information collection and analysis
Organize and offer	a rich set of innovation support services to EU projects and other innovators in CI security and resilience for evidence-based policies
Include	training, support in business planning and access to finance, as well as support in the validation, standardization, and certification of novel solutions



Coming soon: **EU-CIP Outcomes**

European Knowledge Hub and Policy Testbed for Critical Infrastructure Protection (EU-CIP)

Knowledge Hub which will integrate projects outcomes and provide a singly entry point to the EU-CIP results




















A vibrant ecosystem of over 1000 stakeholders around this Knowledge-Hub

Ambitious set of dissemination activities, including the establishment and organization of an annual conference on Critical Infrastructures Resilience, which will become a flagship event for critical infrastructures



EU-CIP Consortium

- brings together the coordinators of recent EU projects in resilient infrastructures in different sectors that are part of ECSCI, and
- representatives of CI operators in the transport, energy, telco sectors
- along with the organizations that have the leading role in coordinating the cluster's activities

No.	Part. Logo	Participant organisation name	Country
1(CO)		Engineering Ingegneria Informatica S.p.A. [ENG]	Italy
2		German Aerospace Center - Deutsches Zentrum für Luft- und Raumfahrt [DLR]	Germany
3		GFT Italia Srl [GFT]	Italy
4		INSTITUTO DE ENGENHARIA DE SISTEMAS E COMPUTADORES INOVAÇÃO [INOV]	Portugal
5		INLECOM COMMERCIAL PATHWAYS CLG [ICP]	Ireland
6		SINTEF AS [SIN]	Norway
7		European Risk & Resilience Institute [VRI]	Germany
8		Polish Platform for Homeland Security [PPHS]	Poland
9		Laurea Ammattikorkeakoulu [LAU]	Finland
10		INNOV-ACTS LTD [INNOV]	Cyprus
11		Norsk Regnesentral [NRS]	Norway
12		European Organisation for Security [EOS]	Belgium
13		Katholieke Universiteit Leuven [KUL]	Belgium
14		FSTECHNOLOGY SPA [FST]	Italy
15		Athens International Airport SA [AIA]	Greece
16		Fundación de la Comunidad Valenciana para la Investigación, Promoción y Estudios Comerciales de Valenciaport [FV]	Spain
17		Orange Romania [ORO]	Romania
18		Électricité de France [EDF]	France
19		Association Française de Normalisation [AFNOR]	France
20		Leonardo S.p.A. [LDO]	Italy

ECSCI *Takeaways*



ECSCI

Takeaways

- Stimulate the uptake of project results
- Exploit synergies
- Share best practices
- Stimulate network and alliance formation
- Become Collaborative platform



More information

If you are interested in ECSCI activities...

you can visit ECSCI official website

read ECSCI publication, such as

Consolidated Proceedings of the 1st ECSCI Workshop on Critical Infrastructure Protection

A Guide to Integrated Cyber-Physical Protection of Modern Critical Infrastructures

Securing Critical Infrastructures in Air Transport, Water, Gas, Healthcare, Finance and Industry

