

The 4th International Workshop on Cyber-Physical Security for Critical Infrastructures Protection – CPS4CIP 2023

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ESORICS 2023, The Hague, The Netherlands

28-29/09/2023



CPS4CIP 2023

- TPC: 34 from 13 countries
- Submissions: 15
- 3 reviewers per paper
- Single-blind review
- Accepted papers: 9
- Acceptance rate of 60%
- Post-proceedings
 - Computer SecurityESORICS 2023 International Workshops: CyberICPS, DPM, CBT, SECPRE, CPS4CIP, ADIoT, SecAssure, WASP, TAURIN, PriST-AI, SECAI - LNCS
- Program
 - 3 Sessions with 9 papers
 - 2 sessions with 6 ECSCI projects

Previous Series



**FINSEC 2019,
ESORICS 2019,
Luxembourg,
September 23-27,
2019**

Proceedings available,
published by Springer ([LNCS
11981](#)) for ESORICS 2019
International Workshops,
IOSec, MSTEC, and FINSEC,
Luxembourg City,
Luxembourg, September 26–
27, 2019)



**CPS4CIP 2020,
ESORICS 2020,
Guildford, UK,
September 14-18,
2020**

Proceedings available,
published by Springer ([LNCS
12618](#)) for Cyber-Physical
Security for Critical
Infrastructures Protection First
International Workshop,
CPS4CIP 2020, Guildford, UK,
September 18, 2020)



**CPS4CIP 2021,
ESORICS 2021,
Darmstadt, Germany,
Virtual, October 4-8,
2021**

Proceedings available,
published by Springer ([LNCS
13106](#)) for ESORICS 2021 Int.
Workshops CyberICPS,
SECPRE, ADIoT, SPOSE,
CPS4CIP, and
CDT&SECOMANE,
Darmstadt, Germany, October
4–8, 2021)



**CPS4CIP 2022,
ESORICS 2022,
Copenhagen,
Denmark - 26-30, Sep.,
2022**

Proceedings available,
published by Springer ([LNCS
13785](#)) for ESORICS 2022 Int.
Workshops CyberICPS 2022,
SECPRE 2022, SPOSE 2022,
CPS4CIP 2022,
CDT&SECOMANE 2022, EIS
2022, and SecAssure 2022,
Copenhagen, Denmark,
September 26–30, 2022)

Organizing committee

- General chairs
 - Habtamu Abie, Silvio Ranise
- PC Chairs
 - Luca Verderame, Enrico Cambiaso, Rita Ugarelli, Isabel Praça
- Program Committee participated in the reviewing process
 - 34 from 13 countries (<https://st.fbk.eu/events/CPS4CIP2023/committees>)

Supported by ECSCI - A Collaborative Ecosystem on Critical Infrastructures Protection

ECSCI

- European Cluster for Securing Critical Infrastructures - <https://www.finsec-project.eu/ecsci>
- National projects

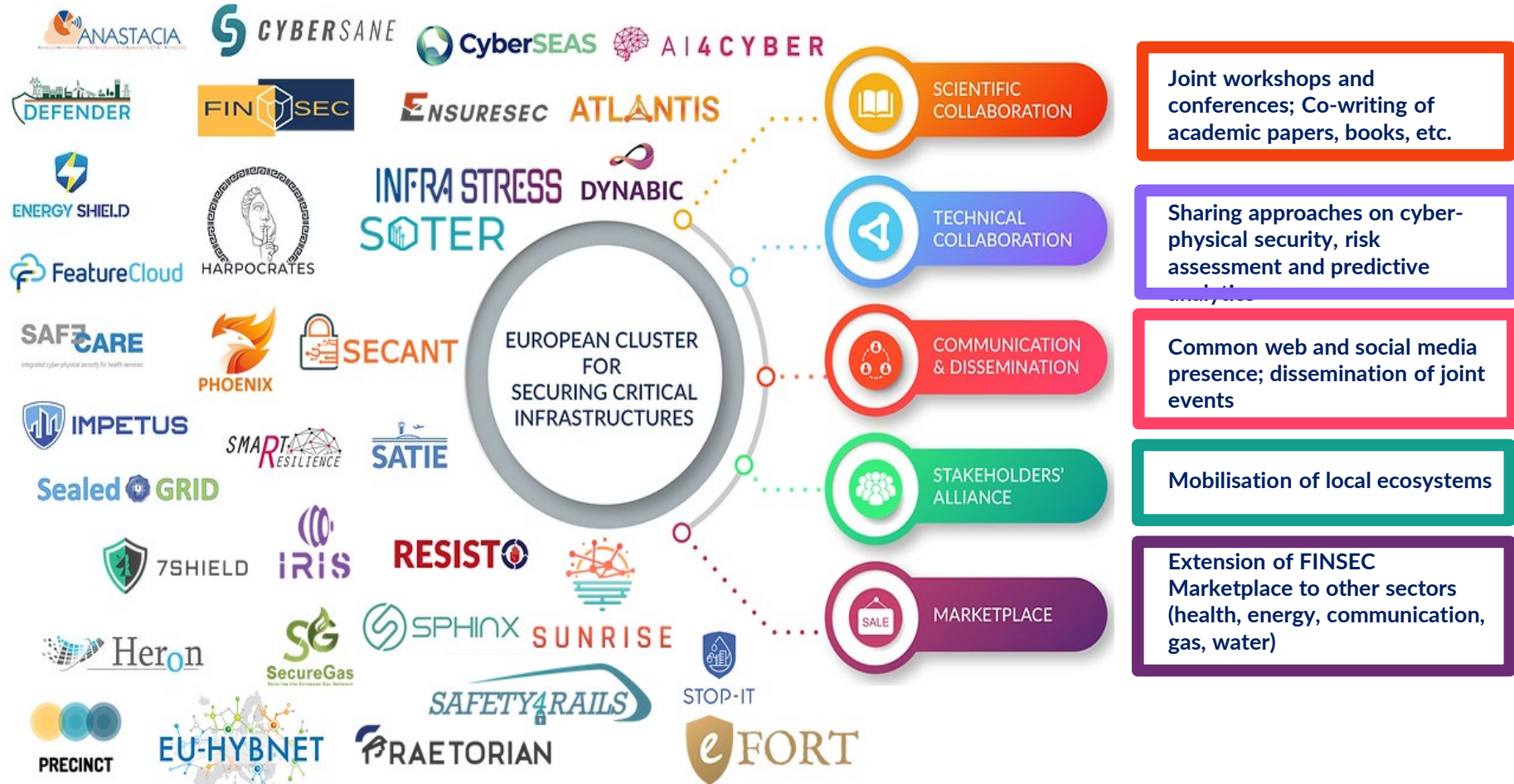
ECSCI

- cluster of 34 EU funded projects for securing critical infrastructures

Main objective

- bring about synergetic, emerging disruptive solutions to security issues via cross-projects collaboration and innovation

ECSCI current member projects & collaborations



ECSCI Cluster Situations

ECSCI running projects

- AI4CYBER
- ATLANTIS
- CyberSEAS
- DYNABIC
- eFORT
- EU-HYBNET
- FeatureCloud
- HARPOCRATES
- HERON
- IRIS
- PRAETORIAN
- PRECINCT
- SECANT
- SUNRISE

ECSCI ended projects supported by coordinators

- 7SHIELD
- FINSEC
- ANASTACIA
- CyberSANE
- DEFENDER
- EnergyShield
- ENSURESEC
- IMPETUS
- InfraStress
- PHOENIX
- PHOENIX
- RESISTO
- SAFECARE
- SAFETY4RAILS
- SATIE
- SealedGRID
- SecureGas
- SmartResilience
- SOTER
- SPHINX
- STOP-IT

Supporting projects national projects

- NORCICS
- RESTABILISE4.0
- CybAlliance

And also Supported by 3 National Projects

- [NORCICS \(Norwegian Center for Cybersecurity in Critical Sectors\) project](#) funded by the Research Council of Norway under the Center for Research-based Innovation (SFI)
- [RESTALLISE4.0 \(Restabilise and Energy: Specialization of Enabling Technologies for Balancing Energy Infrastructures and Systems\) project](#) cofunded by START4.0 - Competence Center for security and optimization of strategic infrastructures
- [CybAlliance \(International Alliance for Strengthening Cybersecurity and Privacy in Healthcare\) project](#) funded by the [Research Council of Norway](#) under the [INTPART International Partnerships for Excellent Education, Research and Innovation](#) program

Supported by EU-CIP CSA project

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



- 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 25 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

ECSCI Key Takeaways



Stimulate the uptake of project results, spinoffs



Exploit synergies



Share best practices



Stimulate network and alliance formation



Become Collaborative platform



Selected by EC DG Home & CoU/CERIS as a success story of synergy building

Today's Agenda: Thursday, 28th September 2023

09:00 – 09:10	Opening Session: Introduction to the Workshop Chair: Habtamu Abie
09:10 – 10:10	SESSION 1: Approaches and Methodologies for Security Risk Assessment Chair: Isabel Praça
10:10 – 11:30	SESSION 2: Methods for Intrusion and Malware Detections Chair: Habtamu Abie
11:30 – 11:40	Coffee break
11:40 – 12:20	SESSION 3: XAI for Security, Privacy and Attack Detection Chair: Isabel Praça
12:20 – 12:30	Closing Session: Conclusion & Planning Chairs: Habtamu Abie and Isabel Praça

Tomorrow's Agenda: Friday, 29th September 2023

09:00 – 09:10	Opening Session: Introduction to the Workshop Chair: Habtamu Abie
09:10 – 10:10	SESSION 4: ECSCI Supporting Projects Presentations I Chair: Isabel Praça
10:10 – 10:40	Coffee break
10:40 – 11:40	SESSION 5: ECSCI Supporting Projects Presentations II Chair: Habtamu Abie
11:40 – 12:00	Closing Session: Conclusion & Planning Chairs: Habtamu Abie and Isabel Praça



THANK YOU!



Q&A