

EU-CIP Project & ECSCI Cluster 1st Annual Conference on Critical Infrastructure Resilience

“Reinventing European resilience”

20-21 September 2023
MAI, Brussels

The EU-CIP Project is pleased to invite you to its **1st Annual Conference on Critical Infrastructure Resilience**, co-organised with the **ECSCI cluster**. EU-CIP ambitions to establish a flagship event that will be a vehicle for animating, sustaining, and growing the CIP/CIR ecosystem, presenting relevant EU initiatives and project outcomes.

This meeting will be followed by the **PRAETORIAN project final event** on 22 September 2023 in the same location. In that way, this joint even will bring together the CIP/CIR community for three days of fruitful exchange. The agenda of the PRAETORIAN event will be shared [here](#).

AGENDA

Day 1 – 20 September 2023

Time	Session Title	Speakers
09.00-09.30	Registration	
09.30-09.45	Introductory Remarks	EU-CIP Coordinator: Emilia Gugliandolo, Engineering Ingegneria Informatica S.p.A.
09.45-10.00	The Future of the ECSCI Cluster	Habtmu Abie, Norwegian Computing Center (NRS)
10.00-10.30	Keynote Speech #1	Giannis Skiadaresis, European Commission – DG HOME
10.30-10.45	Coffee Break	
10.45-12.15	Roundtable #1: Current and emerging risks and challenges for CIP/CIR – assessment of threats, gaps and needs	<p>Chair: <i>Prof. Dr. Aleksandar Jovanović, CEO, Steinbeis European Risk & Resilience Institute</i></p> <p>Speakers:</p> <ul style="list-style-type: none"> Irene Bonetti, Attilio Carmagnani "AC" SpA



		<ul style="list-style-type: none"> • Frederic Petit, European Commission Joint Research Centre • Gabriele Giunta, Engineering Ingegneria Informatica S.p.A. • Frédéric Guyomard, Électricité de France (EDF) • Nikolaos Papagiannopoulos, Athens Airport
12.15-13.30	Lunch Break	
13.30-17.45	ECSCI Workshop Session on the results of ECSCI projects <i>Chairs: Habtamu Abie (NRS) and Rita Ugarelli (SINTEF)</i>	
13.30-13.45	AI4CYBER: Fighting AI-powered cyberattacks with new AI technologies	Angeliki Tsanta, EOS
13.45-14.00	APPRAISE: Enhancing collaboration to predict and prevent terrorist acts	Anastasios Dimou, CERTH
14.00-14.15	ATLANTIS: Improved Resilience of Critical Infrastructures Against Large Scale Transnational and Systemic Risks	Gabriele Giunta, Engineering (ENG)
14.15-14.30	CyberSEAS: Cyber Securing Energy Data Services	Paolo Rocchetti, Engineering (ENG)
14.30-14.45	DYNABIC: Reinforcing European critical services against advanced cyber-physical threats	Ioan Constantin, Orange Romania
14.45-15.00	Coffee Break	
15.00-15.15	EU-HYBNET: Empowering a Pan-European Network to Counter Hybrid Threats	Päivi Mattila, Laurea
15.15-15.30	eFORT: Making European power grids more resilient and secure	Esteban Damian Gutierrez Mlot, CIRCE
15.30-15.45	PRAETORIAN: Protection of Critical Infrastructures from advanced combined cyber and physical threats	Lazaros Papadopoulos, National Technical University of Athens



15.45-16.00	PRECINCT: Cascading cyber-physical threats and effects	Kevin Flemming, ICP (PRECINCT Coordinator)
16.00-16.15	SUNRISE: Strategies and Technologies for United and Resilient Critical Infrastructures and Vital Services in Pandemic-Stricken Europe	Pablo de Juan Fidalgo, ATOS
16.15-17.00	IRIS: artificial Intelligence threat Reporting and Incident response System	Sofia Tsekeridou, Netcompany-Intrasoft
17.00-17.15	CybAlliance: International Alliance for Strengthening Cybersecurity and Privacy in Healthcare, a collaboration project between France, Germany, USA and Norway	Sandeep Pirbhulal, Norwegian Computing Center (NRS)
17.15-17.45	Concluding remarks and roundtable	ECSCI project representatives
17.45-19.00	Networking reception	

Day 2 – 21 September 2023

Time	Session Title	Speakers
09.00-09.30	Registration	
09.30-09.45	Keynote Speech #2	Sebastian Serwiak European Commission – DG HOME
09.45-11.15	Roundtable #2: Current market solutions and practitioners needs	<p>Chair: Paolo Venturoni, European Organisation for Security (EOS)</p> <p>Speakers:</p> <ul style="list-style-type: none"> Nicolas Garcia, IDEMIA Danai Kazantzidou-Firtinidou, Center for Security Studies (KEMEA) Stefano Sebastio, Collins Aerospace Tim Stelkens-Kobsch, German Aerospace Center (DLR)
11.15-11.30	Coffee Break	
11.30-11.45	EU-CIP Impact on Innovation	John Soldatos, Innov-Acts



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11.45-12.00	Closing remarks	EU-CIP Coordinator: Emilia Gugliandolo, Engineering Ingegneria Informatica S.p.A.
12.00-13.30	Lunch Break	
13.30-17.30	EU-CIP General Assembly	CLOSED SESSION: EU-CIP partners



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ECSCI WORKSHOP

The ECSCI workshop session on the afternoon of the 20th September 2023 will include the participation of the following projects:

AI4CYBER: Fighting AI-powered cyberattacks with new AI technologies



A I 4 C Y B E R

Presenter: Angeliki Tsanta, EOS

Website: <https://ai4cyber.eu/>

AI4CYBER ambitions to provide an Ecosystem Framework of next-generation trustworthy cybersecurity services that leverage AI and Big Data technologies to support system developers and operators in effectively managing robustness, resilience, and dynamic response against advanced and AI-powered cyberattacks. The project will deliver a new breed of AI-driven software robustness and security testing services that significantly facilitates the testing experts work, through smarter flaw identification and code fixing automation. Moreover, the project will provide cybersecurity services for comprehension, detection and analysis of AI-powered attacks to prepare the critical systems to be resilient against them.

APPRAISE: Enhancing collaboration to predict and prevent terrorist acts



APPRAISE

Facilitating public & private security operators to mitigate terrorism scenarios against soft targets

Presenter: Anastasios Dimou - CERTH

Website: <https://appraise-h2020.eu/>

APPRAISE will build on the latest advances in big data analysis, artificial intelligence, and advanced visualisation by creating a robust security framework that will improve both the cyber and physical security and safety of public spaces.

ATLANTIS: Improved Resilience of Critical Infrastructures Against Large Scale Transnational and Systemic Risks

ATLANTIS

Presenter: Gabriele Giunta, Engineering (ENG)

Website: <https://www.atlantis-horizon.eu/>

European Critical Infrastructures (ECI) are increasingly becoming the targets of new categories of hybrid threats and attacks powered by technological innovations. However, limited research has been conducted on large scale, transnational, and cross-domain coordinated attacks. More importantly, large-scale vulnerability assessment and systemic risks analysis of ECI, considering the risks derived by major man-made or natural hazards and complex Cyber-Physical-Human (CPH) threats as well as consequences of the entire system collapse, have never been addressed before. A fundamental challenge to governing systemic risks is to understand the system as a complex network of individual and institutional actors with different and often conflicting interests, values, and worldviews.

ATLANTIS evaluates and addresses systemic risks against major natural hazards and complex attacks that could potentially disrupt vital functions of the European society. The mission of



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ATLANTIS is to improve the resilience of the interconnected ECI exposed to ever evolving, existing and emerging, large-scale, combined, CPH threats and hazards. By providing future-proof, sustainable security solutions, ATLANTIS supports public and private actors in guaranteeing continuity of vital operations while minimizing cascading effects in the infrastructure itself, the environment, other CIs, and the involved population.

CybAlliance: International Alliance for Strengthening Cybersecurity and Privacy in Healthcare



CybAlliance

Healthcare Security & Privacy

Presenter: Sandeep Pirbhulal, Norwegian Computing Center

Website: <https://cyballiance.nr.no/>

The CybAlliance project aims to develop an international alliance between top-notch Norwegian, German, French and American institutions with world-class research and education facilities to strengthen cybersecurity and privacy in healthcare. CybAlliance is the dynamic collaboration between research institutes, universities, and hospitals for excellent education, research, and innovation activities in offering efficient security and privacy solutions by observing real-world health sector challenges. CybAlliance enhances healthcare security and privacy competence by boosting international collaboration in research and education strategies with both short-term and long-term impacts.

CyberSEAS: Cyber Securing Energy Data Services



Presenter: Paolo Roccetti, Engineering (ENG)

Website: <https://cyberseas.eu/>

The CyberSEAS project is a European Union funded collaborative project improving the cyber security of the European electrical power energy systems (EPES). CyberSEAS (Cyber Securing Energy dAta Services) aims to improve the overall resilience of energy supply chains, protecting them from disruptions that exploit the enhanced interactions, the extended involvement models of stakeholders and consumers as channels for complex cyber-attacks, the presence of legacy systems and the increasing connectivity of energy infrastructures, data stores, and services retailers.

DYNABIC: Reinforcing European critical services against advanced cyber-physical threats



Presenter: Ioan Constantin, Orange Romania

Website: <https://dynabic.eu/>

DYNABIC will increase the resilience and business continuity capabilities of European critical services in the face of advanced cyber-physical threats. This objective will be pursued by delivering new socio-technical methods, models and tools to support resilience through holistic business continuity risk



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management and control in operation, and dynamic adaptation of responses at multiple planes of action: system, human and organization planes.

EU-HYBNET: Empowering a Pan-European Network to Counter Hybrid Threats



Presenter: Päivi Mattila, Laurea

Website: <https://euhybnet.eu>

EU-HYBNET is a five-year project (2020-2025) funded by the European Commission (No. 883054). The EU-HYBNET is a Pan-European network of security practitioners, stakeholders, academics, industry players, and SME actors across EU collaborating with each other in ever increasing numbers to counter hybrid threats. EU-HYBNET aims to build an empowered, sustainable network beyond the scope of the project through its on-going association with a key partner, The European Centre of Excellence for Countering Hybrid Threats (HCoE).

eFORT: Making European power grids more resilient and secure



Presenter: Esteban Damian Gutierrez Mlot, CIRCE

Website: <https://efort-project.eu/>

The main objective of eFORT is to make European power grids more resilient and reliable. To this end, a set of technological innovations will be developed for the detection, prevention and mitigation of risks and vulnerabilities with positive impacts on power system operation and stability. The eFORT solutions will be demonstrated at different levels, considering grid operators from different levels. The demonstration will take place at the end of the project in 4 real demonstration grids that are complementarities to tackle the main threats of current European power systems. These demonstrators are distributed also geographically, being Spain, the Netherlands, Italy, and Ukraine the countries where the demos are located.

IRIS: artificial Intelligence threat Reporting and Incident response System



Presenter: Sofia Tsekeridou, Netcompany, Intrasoft

Website: <https://www.iris-h2020.eu/>

The H2020 IRIS project is an EU-funded R&D project with the vision to advance the MeliCERTes 2 platform into a distributed ecosystem for both CERTs/CSIRTs and Critical Infrastructure Operators with extended functions for assessing, detecting, responding to and sharing CTI information, even in cross-border contexts, regarding cyber-attacks/threats & vulnerabilities of IoT and AI-driven ICT systems, operational at diverse Critical Infrastructures such as Energy, Smart City, or Transport ones. Its utmost aim is to minimise the impact of cybersecurity and privacy risks as well as threats introduced by cyber-physical vulnerabilities in IoT platforms and adversarial attacks



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on AI-driven platforms. The IRIS solution will be demonstrated and validated in 3 real-life operational environments with the engagement of 3 smart cities/Critical Infrastructures (Helsinki, Tallinn and Barcelona) and the involvement of national CERTs/CSIRTs, and cybersecurity authorities.

PRAETORIAN: Protection of Critical Infrastructures from advanced combined cyber and physical threats



Presenter: Lazaros Papadopoulos, National Technical University of Athens

Website: <https://praetorian-h2020.eu/>

PRAETORIAN strategic goal is to increase the security and resilience of European Critical Infrastructures, facilitating the coordinated protection of interrelated CIs against combined physical and cyber threats. PRAETORIAN tackles human-made cyber and physical attacks and addresses how an incident in a specific CI can jeopardize the normal operation of other interrelated CIs, and how to make all of them more resilient, by proposing a unified response among them and assisting First Responder teams.

PRECINCT: Cascading cyber-physical threats and effects



PRECINCT

Presenter: Kevin Flemming, ICP (PRECINCT Coordinator)

Website: <https://www.precinct.info/en/>

The PRECINCT project will provide a model-driven collaborative and unifying cyber-physical security and resilience management platform for smart resilient PRECINCTs, leveraging advances from CIP and INFRA-01 projects, as well as the extensive body of work in Urban and Critical Infrastructure protection and resilience management (RESILENS, DRIVER, RESOLUTE) thus exploiting, evolving and embodying key outputs and knowledge gained into the PRECINCT models and services.

SUNRISE: Strategies and Technologies for United and Resilient Critical Infrastructures and Vital Services in Pandemic-Stricken Europe



SUNRISE

Presenter: Pablo de Juan Fidalgo, ATOS

Website: <https://sunrise-europe.eu/>

SUNRISE project aims to ensure greater availability, reliability and continuity of critical infrastructures in Europe including transport, energy, water and healthcare.



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OTHER PARTICIPATING ORGANISATIONS



Representatives from **Critical Infrastructure Protection & Resilience Europe** (<https://www.cipre-expo.com/>) will attend the EU-CIP/ECSCI conference with a tabletop providing participants with information on the Conference which bring together leading stakeholders from industry, operators, agencies, and governments to collaborate on securing Europe.

The Conference will be held on 3-4 October 2023 at the Ministry of Industry & Trade Buildings, Political Prisoners 931, Prague, Czech Republic. You can find more information [here](#) and the preliminary conference guide [here](#).



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PRACTICAL INFORMATION

The EU-CIP Annual Conference will take place as a joint event together with the ECSCI Cluster 2023 workshop (20-21/09/2023) and the **PRAETORIAN Final Conference** (22/09/2023).



More information on this conference can be found [here](#).

Venue

The conference will take place at the “[Maison des associations internationales](#)” at Rue Washington 40, Ixelles, Brussels, Belgium.



Social Event

A networking reception will take place on 20 September 2023 at 17.30, right after the end of the first day of the conference.

The reception will be offered to participants by the organisers and will be held at the same venue.

Personal data processing

Registering to the conference involves the processing of participants' personal data. This processing takes place in accordance with the EU's General Data Protection Regulation and includes the processing of personal information to ensure participants' smooth registration and participation to the event.

By registering, participants confirm that they have read and accepted the terms of the processing as described below.

Data controller: European Organisation for Security

Data Protection Officer: Ms Daniela Versteeg, daniela.versteeg@eos-eu.com

Types of personal data processed: Your Name, Email, Title, Image, Organisation (including type), and dietary restrictions will be processed by the data controller for the purposes mentioned below.

Purposes of the processing:

1. Name, Email, Title, Organisation – Identification purposes
2. Image(s) – for promotion of the event
3. Dietary restrictions – logistical reasons



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We will not use personal data for any other purpose, unless a new legal basis exists, in which case you will be notified accordingly or asked for renewed consent.

Legal basis for the processing: Personal data which is collected as part of the registration process is processed by the data controller based on consent.

Transfer to third countries: The personal data is processed in Europe. No transfer to non-EU countries or international organisations is foreseen.

Storage period: Personal data is retained by the data controller during the lifecycle of the project and for a five-year period after its completion.

Rights of the data subject: Data subjects have all the rights awarded to them by the General Data Protection Regulation, namely:

- * Request information about whether we hold personal information about you, and, if so, what that information is and why we are holding it.
- * Request access to your personal information. This enables you to receive a copy of the personal information we hold about you and to check that we are lawfully processing it.
- * Request rectification of the personal information that we hold about you. This enables you to have any incomplete or inaccurate information we hold about you corrected.
- * Request erasure of your personal information. This enables you to ask us to delete or remove personal information where there is no good reason for us continuing to process it.
- * Request the restriction of processing of your personal information. This enables you to ask us to suspend the processing of personal information about you.
- * Request transfer of your personal information in an electronic and structured form to you or to another party (right to “data portability”). This enables you to take your data from us in an electronically useable format and to be able to transfer your data to another party in an electronically useable format.
- * Lodge a complaint with a supervisory authority.
- * Withdraw your consent at any time. Please note that the withdrawal does not affect the processing of your data which is based on the consent you have given before the withdrawal. Once we have received notification that you have withdrawn your consent, we will no longer process your personal information for the purpose/purposes you originally agreed to

Contact:

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