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IRIS H2020 Project



IRIS

What is IRIS about?

Vision

IRIS will deliver a framework that support European CERT and CSIRT networks detecting, sharing, responding and recovering from cybersecurity threats and vulnerabilities of IoT and AI-driven ICT systems, to minimize the impact of cybersecurity and privacy risks, through a collaborative-first approach and state-of-the-art technology.

IRIS Architecture

- **Collaborative Threat Intelligence (CTI):** This module introduces **Analytics Orchestration** for supervising coordination between incident response and recovery; an **Open Threat Intelligence** interface for disseminating taxonomies of IoT and AI threats; and an intuitive **Threat Intelligence Companion** that serves as a key human-in-the-loop interface for collaborative incident response and threat intelligence sharing between CERTs/CSIRTs at both the municipal and national level.

Project Facts

Duration: 36 months
(September 2021-August 2024)

EU funding: 4 918 790.00

Pilots: Barcelona/Spain,
Tallinn/Estonia, Helsinki/Finland

Project Coordinator: INOV - Instituto de Engenharia de Sistemas e Computadores, Inovação, (INOV), Portugal

- **Automated Threat Analytics (ATA):** This module extends existing intrusion detection tools with a novel threat detection engine for identifying specific IoT and AI attack vectors and includes digital twin honeypots for collecting attack telemetry against end-user systems reliant on these technologies.

- **Virtual Cyber Range (VCR):** This module is used for collaborative CERT/CSIRT training exercises based on real-world environment platforms, providing representative adversarial IoT & AI threat intelligence scenarios and hands-on training.

Consortium



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This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement no 101021727. Content reflects only the authors' view and European Commission is not responsible for any use that may be made of the information it contains.