Artificial Intelligence Threat Reporting & Incidence report system

IRIS General Presentation

Gonçalo Cadete / INOV

SOTER Final Event

Project at a Glance

Call Identifier: 2020-SU-DS-2020

Topic: SU-DS02-2020 Intelligent security and privacy management

EC Funding: 4 918 790.00

Duration: 36 months (Sept 2021-Aug 2024)

Consortium: 19 partners

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

Learn More: www. iris-h2020.eu

Join us: 🐦 @iris-h2020

in IRIS H2020 Project

Consortium
6 Public organizations
3 SMEs
4 Large ICT industries
6 Research institutions & Universities

2

IRIS Vision

The **H2020 IRIS project** aims to deliver a framework that will support European CERT and CSIRT networks **detecting, sharing, responding and recovering from cybersecurity threats and vulnerabilities of IoT and AI-driven ICT systems,** in order to **minimize the impact of cybersecurity and privacy risks.**

The IRIS platform will be made available, **free of charge**, to the European national CERT and CSIRTs, by the end of the project.

IRIS Architecture
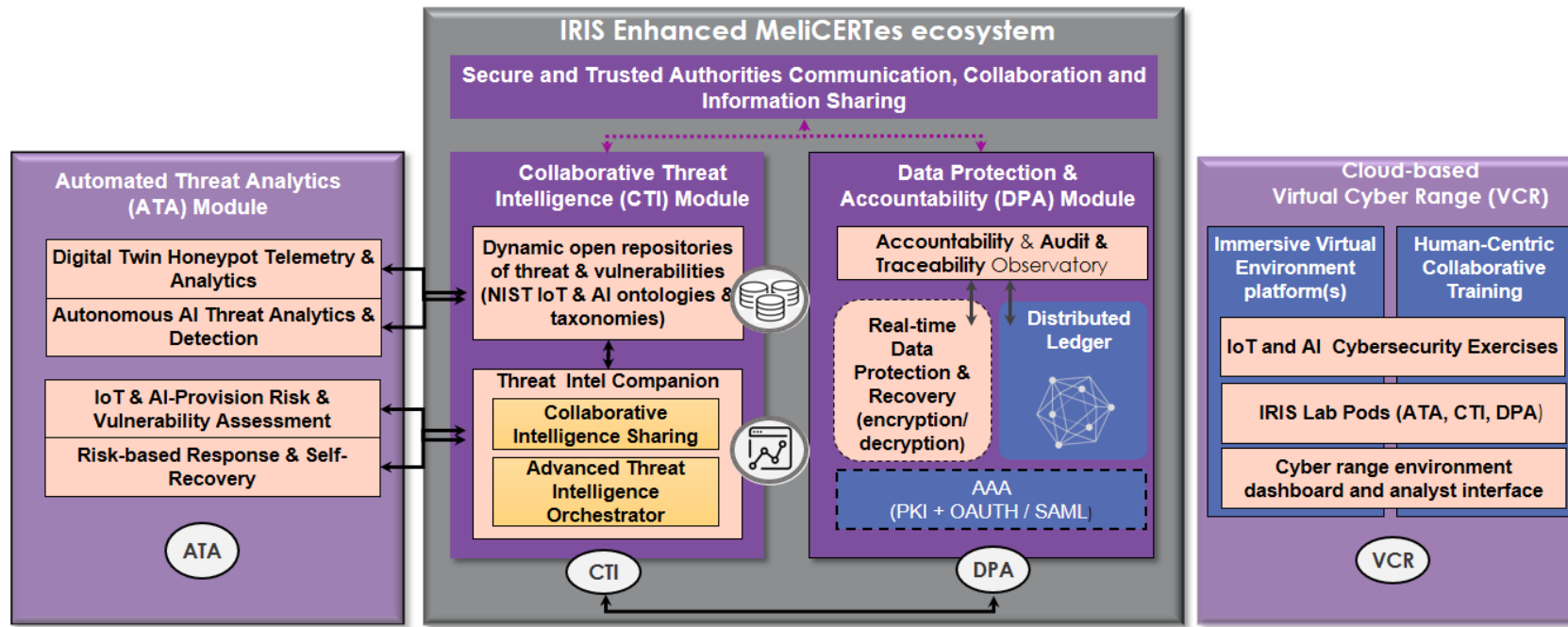
- ❑ **Collaborative Threat Intelligence (CTI)** that introduces Analytics Orchestration for supervising coordination between incident response and recovery;
- ❖ an **Open Threat Intelligence** interface for disseminating taxonomies of IoT and AI threats;
- ❖ an intuitive **Threat Intelligence Companion** 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.

IRIS Architecture
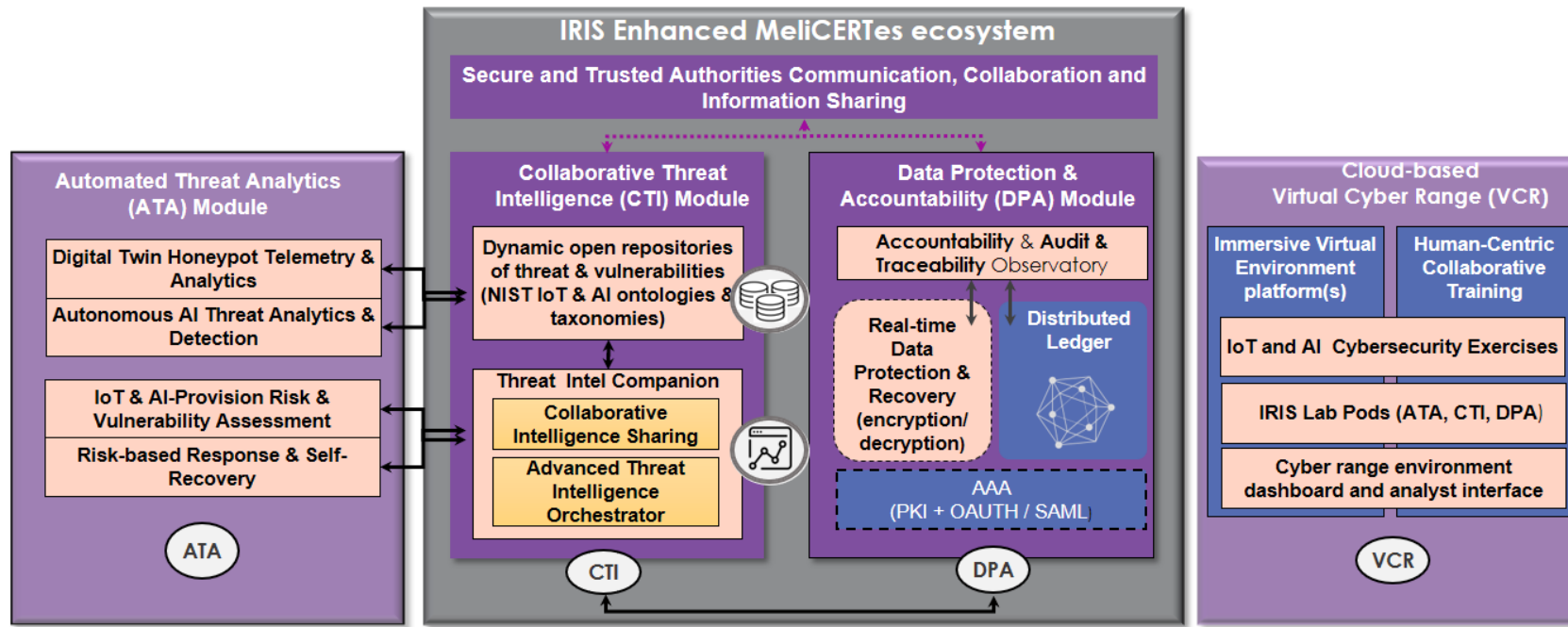
- ❑ **Automated Threat Analytics (ATA)** that extends existing intrusion detection tools with a novel threat detection engine for identifying specific IoT and AI attack vectors and includes digital twin honeypots for collecting attack telemetry against end-user systems reliant on these technologies.
- ❑ **Virtual Cyber Range (VCR)** for collaborative CERT/CSIRT training exercises based on real-world environment platforms, providing representative adversarial IoT & AI threat intelligence scenarios and hands-on training.

Gonçalo Cadete / INOV

SOTER Final Event

🌐 **iris-h2020.eu**

in IRIS H2020 Project

🐦 iris_h2020