Digital Economy and Digital transformation

- Growing digitalisation of the Society and of the EU Industry / Economy

- Digital transformation and increase reliance on new technologies

    ➔IoT, AI, cloud, 5G and beyond...

- Data driven society

End of 2019 the main issues in Europe were the Digital Transformation and the Green Deal

- Cyber threats evolving very quickly: approaches and organisations should be very flexible

ECSO cybersecurity priorities for Horizon Europe and Digital Europe Programme
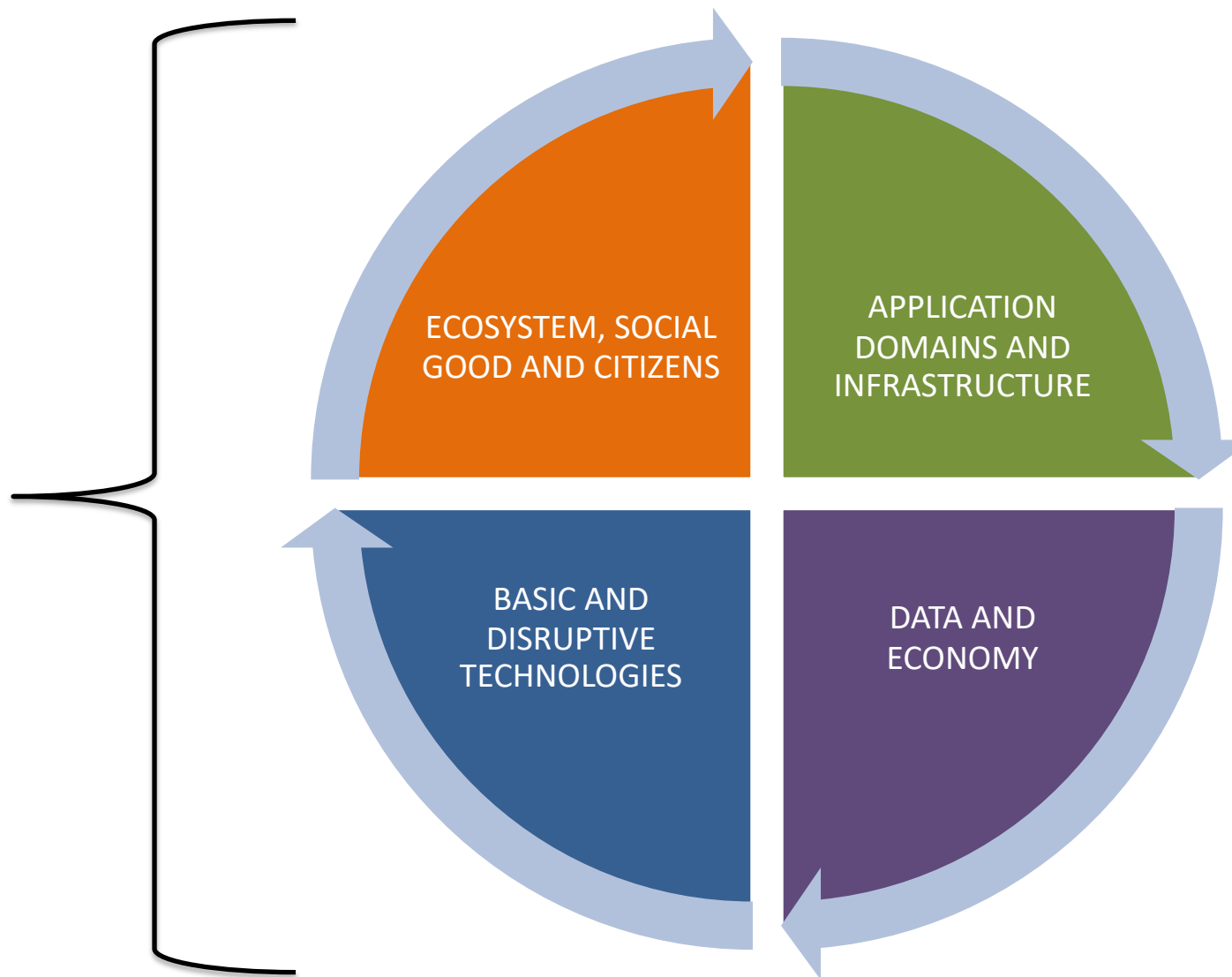
Risks / Threat management

Data & AI (including privacy)

Cyber secure HW & SW (including crypto) supply chains

Infrastructure resilience

Skills

Support to European competitiveness

ECOSYSTEM, SOCIAL GOOD AND CITIZENS

APPLICATION DOMAINS AND INFRASTRUCTURE

BASIC AND DISRUPTIVE TECHNOLOGIES

DATA AND ECONOMY

IRIS Motivation

As existing and emerging **smart cities** continue to **expand their IoT and AI-enabled platforms**, **novel and complex dimensions to the threat intelligence landscape are introduced**. These, are linked with identifying, responding and sharing data related to attack vectors, based on emerging IoT and AI technologies, whose architecture and behaviour are **not currently well understood** by security practitioners, such as CERTs and CSIRTs.

This lack of experience as well as of tools, for detecting and reporting IoT & AI attack vectors is further aggravated by potentially greater safety risks caused by such attacks.

4

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.

What are the risks and opportunities for privacy ?

➢ Not a simple transformation, need to ensure integration with existing infrastructure / products / regulatory framework

➢ Digital transformation is bringing a paradigm shift in business operations and changing cybersecurity requirements

➢ A forward thinking cybersecurity strategy is necessary to meet forthcoming digital challenges and solutions to face threats

Citizens: more control over and knowledge about their personal data

Companies: new business models while complying with privacy laws

Increased trust

European Cyber Security Organisation (ECSO)

29, Rue Ducale

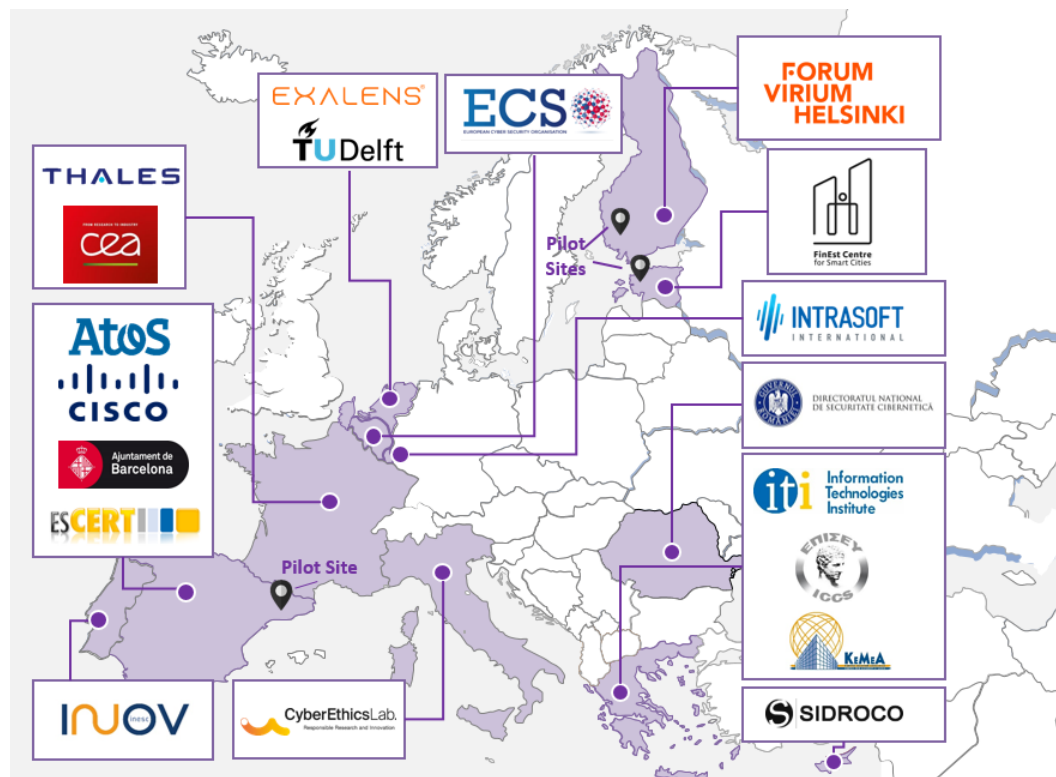1000 - Brussels

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Join the Community

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

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