Requirements & Architecture of CitySCAPE platform

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Role of SIGLA

ROLES

- Design and System Integration of **CitySCAPE Architecture**

- **Implementation** of
    - **Mobile Security Toolkit:** security by design for mobile app solution
    - **GSMoving**: full info-mobility services solution

Main activities:

- WP3 leadership

- Participation to implementation and integration of Genova CPaaS and CitySCAPE toolkit elements (WP4, WP6)

- Participation to piloting, validation and testing campaign (WP7)

- Training activities planning and execution (WP9)

WP3 – overview & objectives

Objectives:

- Definition of **user needs, architecture system specifications of infrastructure** (operative, regulatory, and technological perspectives)

- Ensure **interoperability** with multimodal ecosystems

- Collection of **user and system functional and non-functional requirements**

Activities:

- Task 3.1 **User requirements elicitation** [M2-M14] (AMT)

- Task 3.2 **System requirements elicitation** [M5-M15] (TalTech)

- Task 3.3 **Secure multi-modal transport architectures** [M7-M18] (ED)

WP3 – T3.1 and T3.2 activities & results

- **MS3 Interim CitySCAPE architecture - M10** => <u>DELIVERED</u>!

- **D3.1 User Requirements for secure multimodal systems – M14** => <u>DELIVERED</u>!

- **D3.2 System requirements of the CitySCAPE solution – M15** => <u>DELIVERED</u>!

- **D3.3 CitySCAPE architecture: modules and interfaces** – M16 => IN PROGRESS
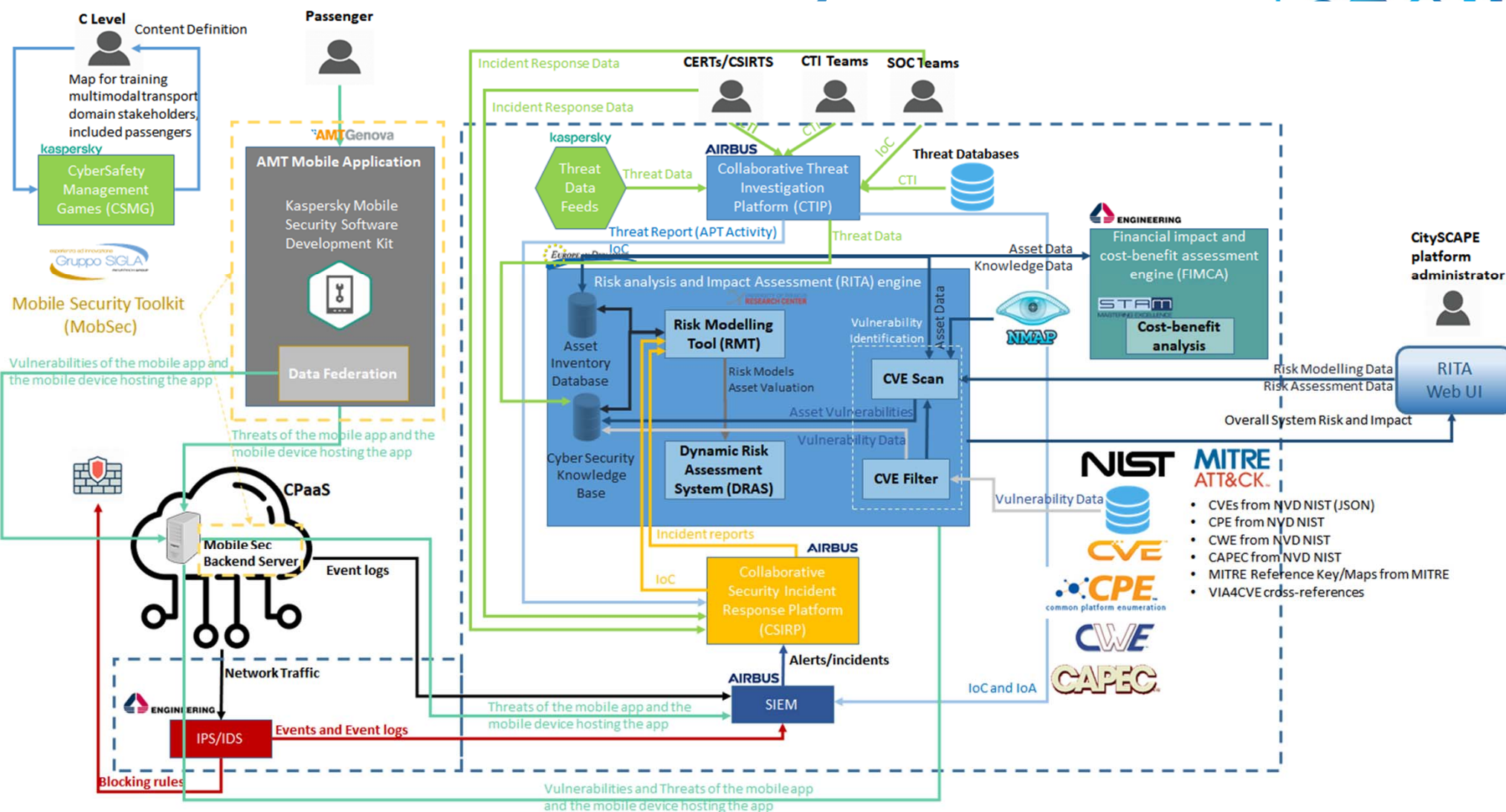
CitySCAPE overall componetns

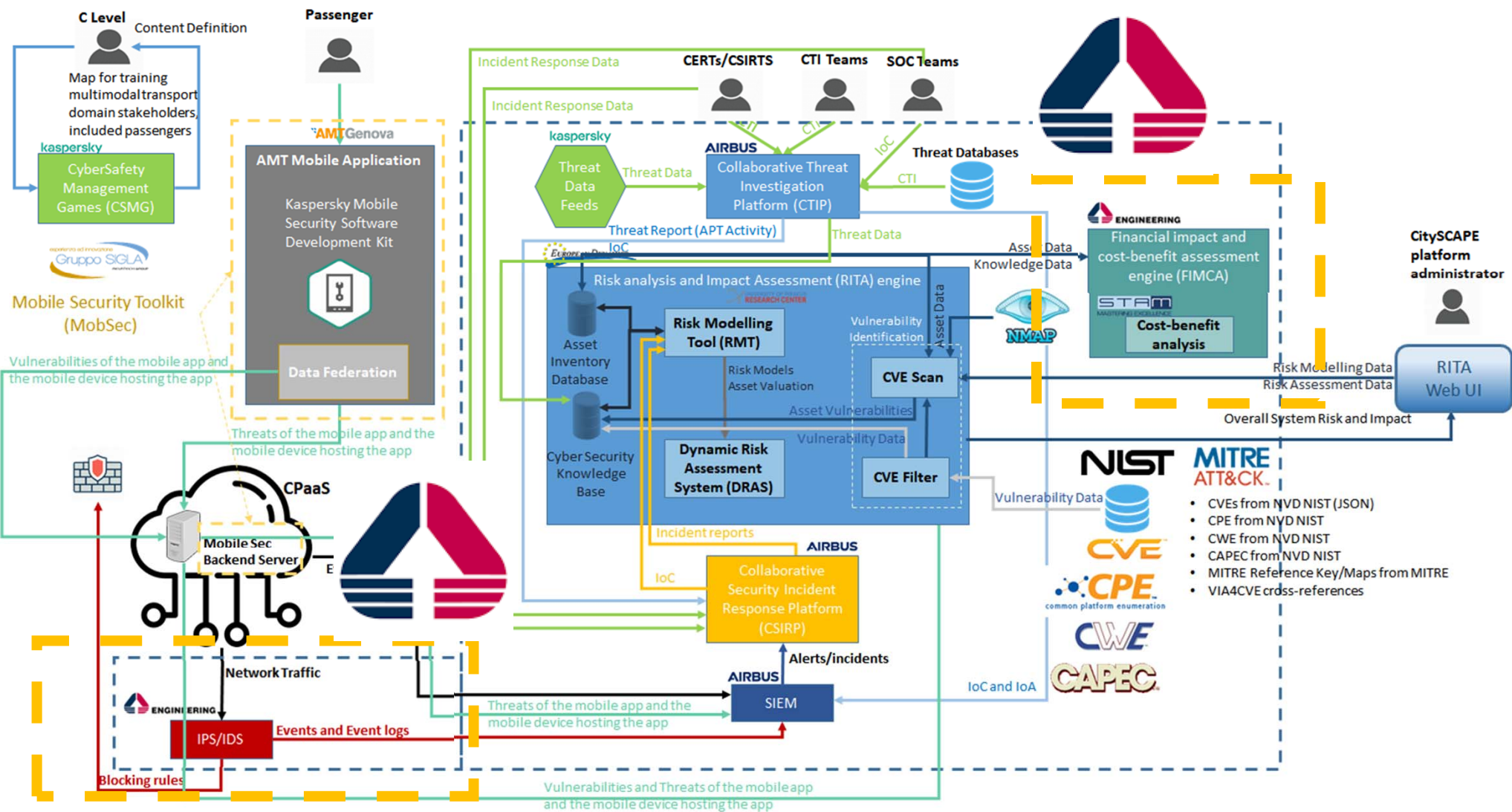**Pilots**
- Genova:
  - AMT
- Tallin:
  - TALLIN
  - TALTECH

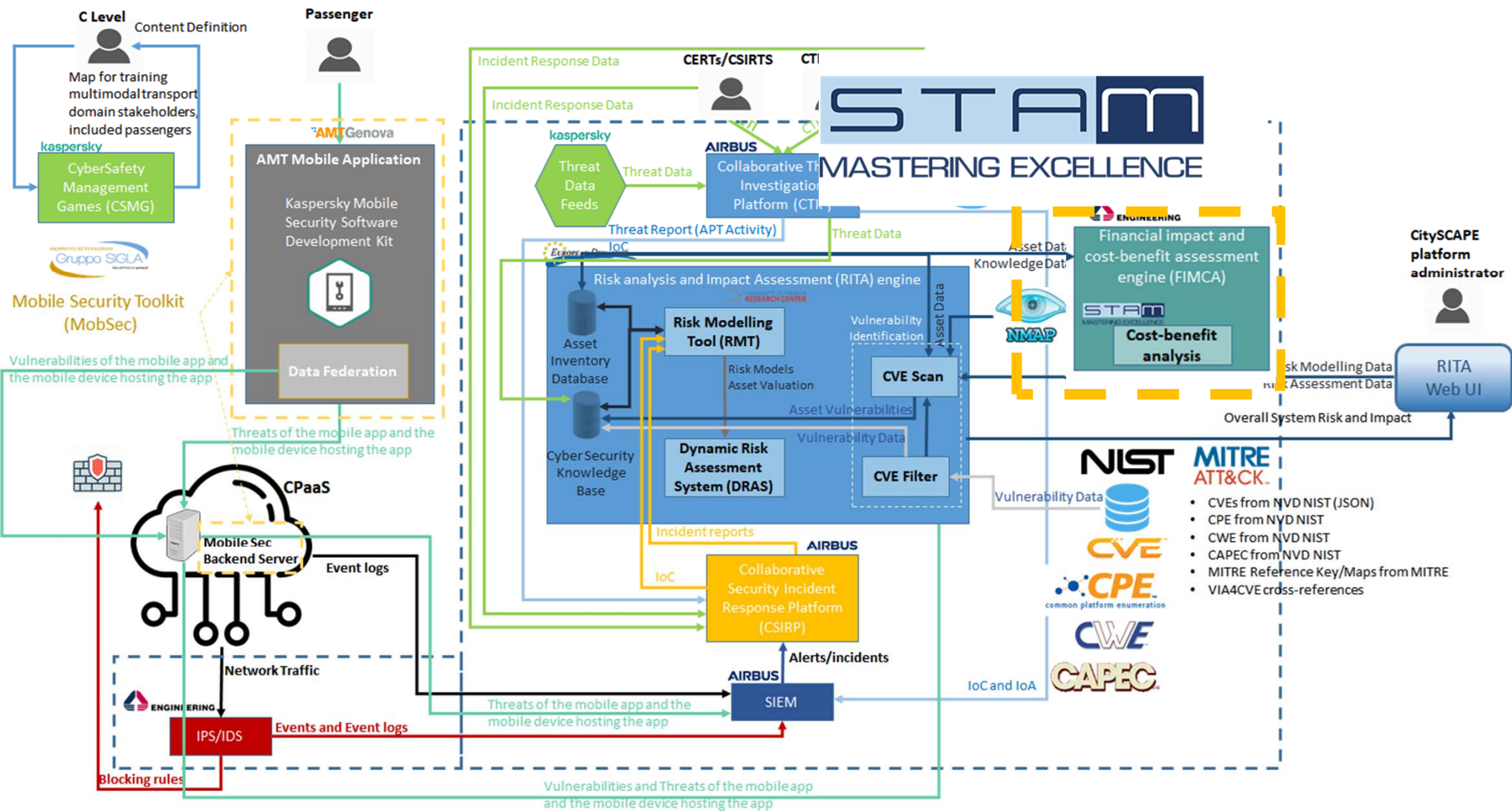**Technical partners on both sites integrating CitySCAPE elements.**

Risk analysis and impact assessment engine

Financial impact assessment engine

Collaborative threat investigation platform

CitySCAPE

Training

IDS/IPS engines

SIEM as a Correlation engine with backlog of markers

Collaborative security incident response platform

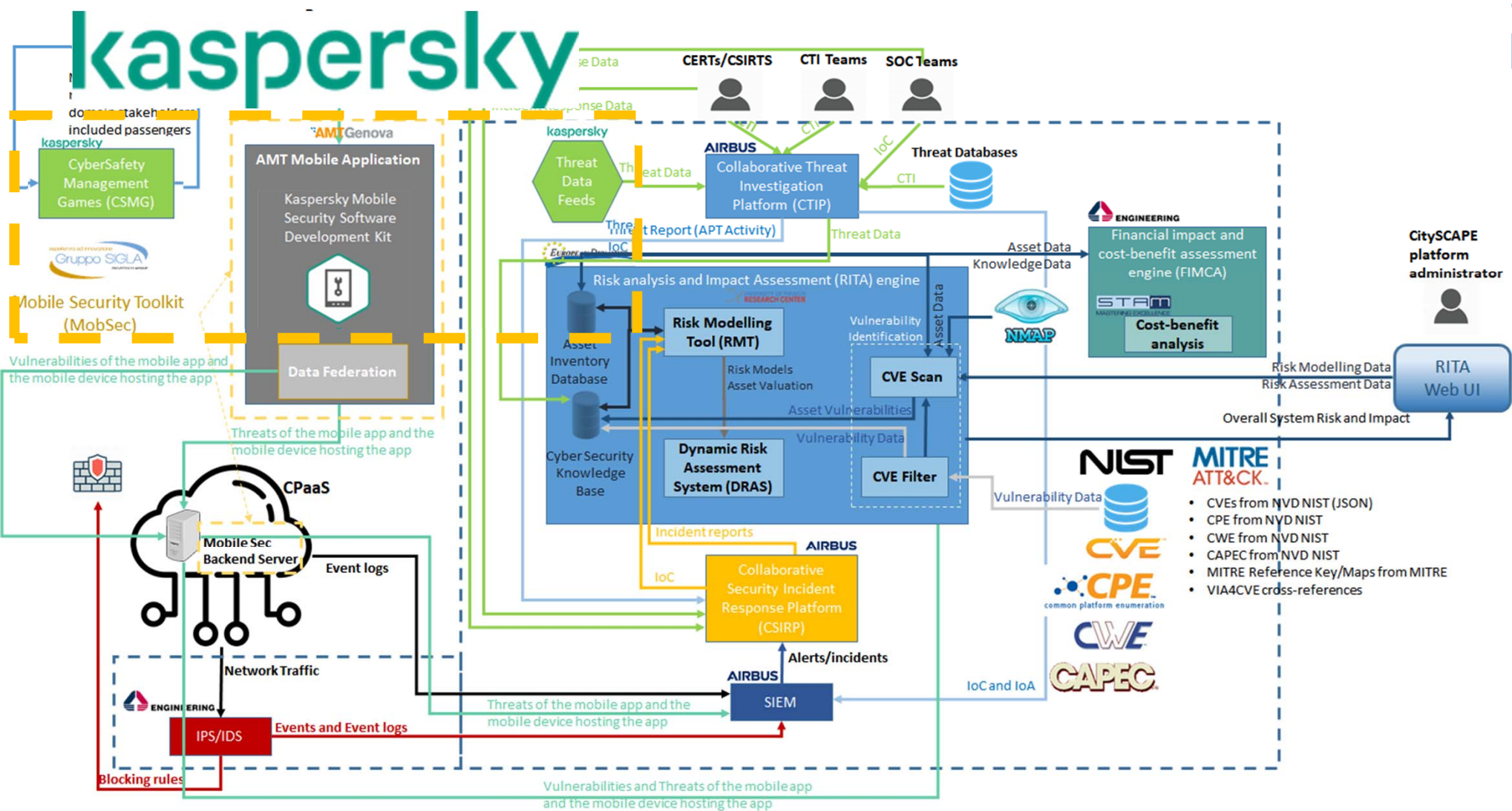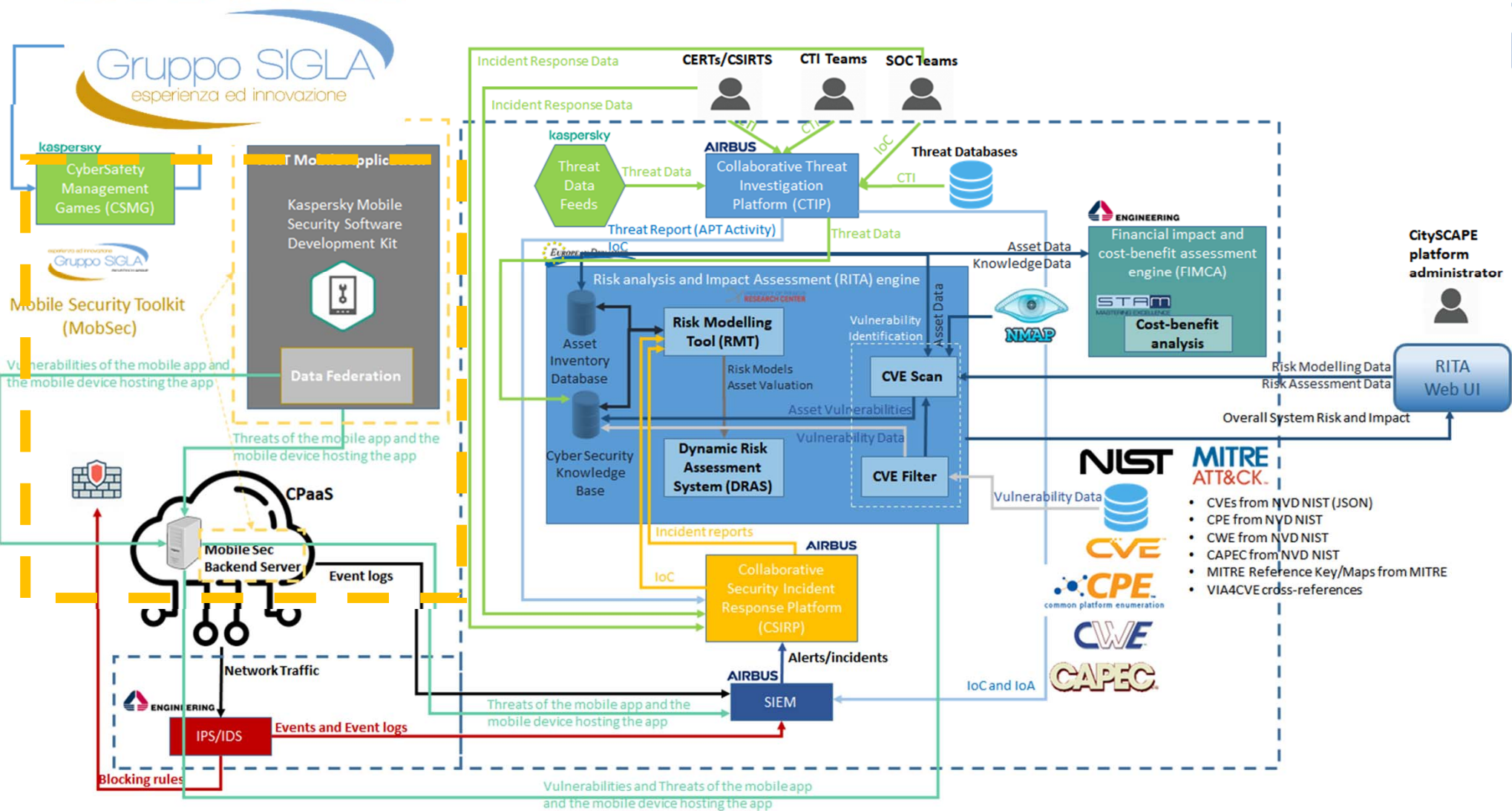# WP3 – Architecture of CitySCAPE

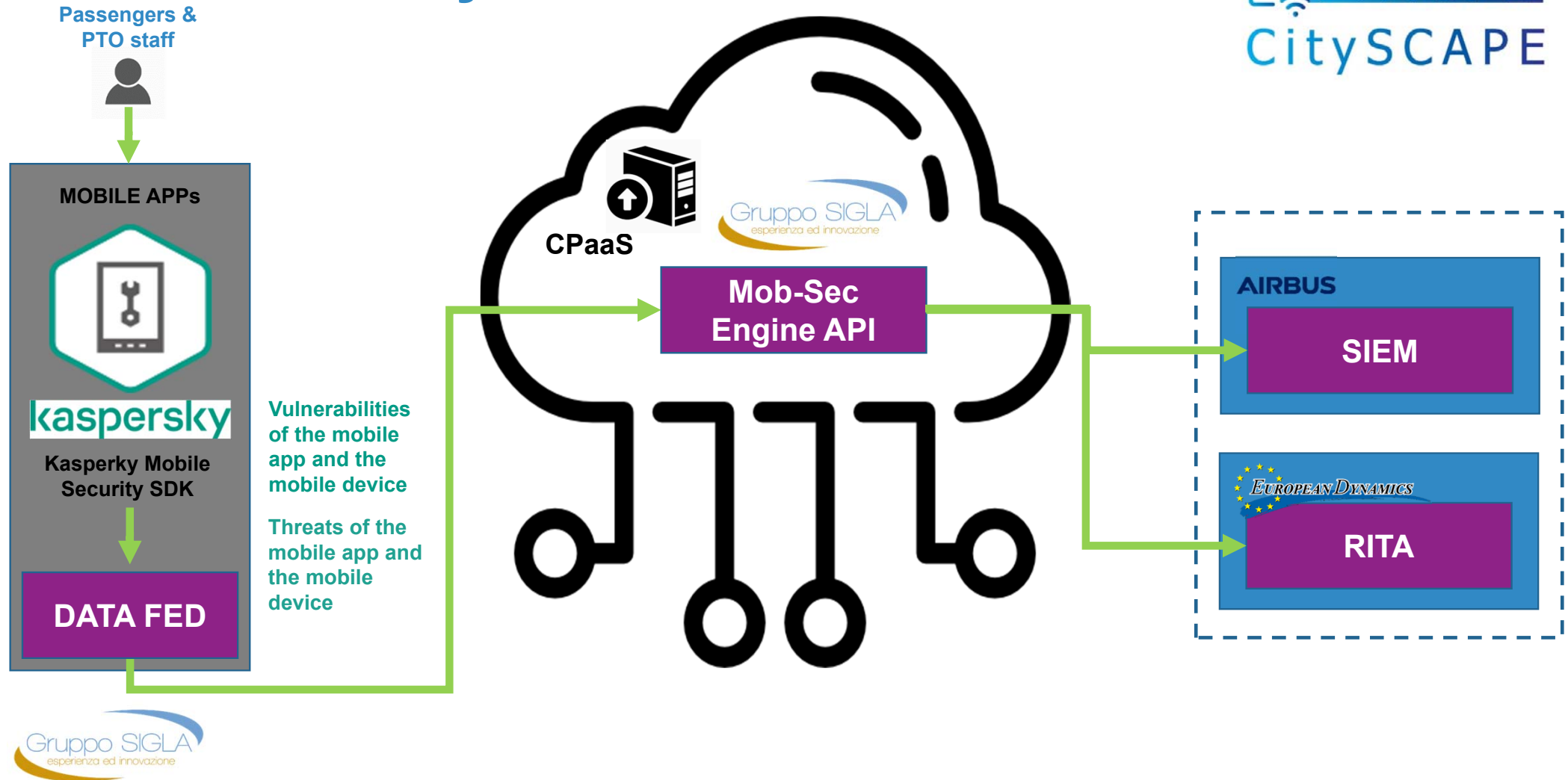# ENG contribution to Architecture

STAM contribution to Architecture

KSP contribution to Architecture

SIGLA contribution to Architecture

Mobile Security Toolkit Architecture

CitySCAPE

Passengers & PTO staff

MOBILE APPs

kaspersky

Kasperky Mobile Security SDK

DATA FED

Gruppo SIGLA
esperienza ed innovazione

Vulnerabilities of the mobile app and the mobile device

Threats of the mobile app and the mobile device

CPaaS

Gruppo SIGLA
esperienza ed innovazione

Mob-Sec Engine API

AIRBUS

SIEM

EUROPEAN DYNAMICS

RITA

Secure Infomobility solution for passengers and PTO staff

CitySCAPE

Creating an **app** with simple functionalities and **defining standard** for
- Security & GDPR
- Communication
- Data Format

  - All **Europe Transport Companies** can give information to CityScape framework and can offer to their users a good and **secure** service
  - **European people** can use only one <u>secure</u> mobile app to move around **european cities**

CitySCAPE APP Mobile

Kaspersky Mobile Security SDK to guarantee security for users

CitySCAPE standard interface by REST API

AMT APP Mobile
(Genoa infomobolity)

TALLIN APP Mobile
(Tallin infomobolity)

OTHER APP Mobile
(**Europe** infomobolity)

Any questions?

Thank you!

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