Requirements & Architecture of CitySCAPE platform

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CitySCAPE Italian Web Conf 2021– 15 December 2021
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 => DELIVERED!
- D3.1 User Requirements for secure multimodal systems – M14 => DELIVERED!
- D3.2 System requirements of the CitySCAPE solution – M15 => DELIVERED!
- D3.3 CitySCAPE architecture: modules and interfaces – M16 => IN PROGRESS
CitySCAPE overall components

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

Technical partners on both sites integrating CitySCAPE elements.
WP3 – Architecture of CitySCAPE
ENG contribution to Architecture
SIGLA contribution to Architecture
Mobile Security Toolkit Architecture

Passengers & PTO staff

MOBILE APPs

Kaspersky Mobile Security SDK

DATA FED

CPaaS

Mob-Sec Engine API

AIRBUS

SIEM

RITA

Vulnerabilities of the mobile app and the mobile device

Threats of the mobile app and the mobile device

CitySCAPE
Secure Infomobility solution for passengers and PTO staff

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 secure 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 infomobility)

TALLIN APP Mobile (Tallin infomobility)

OTHER APP Mobile (Europe infomobility)
Any questions?

Thank you!

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