



PARTICIPATORY SENSING:
KEEPING CITIZENS IN THE
LOOP OF THE CITY LIFE

INTERACTIVE
CONTEXT-AWARE CITY
INFRASTRUCTURE

SHARING USER IoT
DEVICES IN THE CLOUD



Cloud of Things for empowering
the citizen cloud in smart cities



URBAN CONTEXT-AWARE APPLICATIONS



MULTIMODAL
TRANSPORTATION
SERVICE

CITY EVENTS DETECTION
AND RECOMMENDATIONS
FOR CITIZENS

AUGMENTED MOBILITY

SAFETY, EMERGENCY AND HEALTH MANAGEMENT APPLICATIONS



CARING OF
ELDERLY PEOPLE

HEALTHY AND ACTIVE
WALKING SUPPORT

RISK WARNING AND
ALERT MANAGEMENT

AND A LOT OF OTHER APPLICATIONS...

ClouT, a joint European-Japanese project

ClouT will provide an efficient communication and collaboration platform exploiting all information sources taking benefit of the latest advances in Internet of Things and Cloud domains.

CONCEPTS

Cloud + IoT = ClouT

- Cloud computing as an enabler to bridge the Internet of Things with Internet of People via Internet of Services.
- User-centric approach making citizens aware of city resources and improving their quality of life.

OBJECTIVES

- Provide reusable infrastructures, platforms and applications for city stakeholders.
- Generate applications by leveraging open data and big data.
- Create long-lasting synergy for smart city initiatives between Europe and Japan.

END-USERS

- Reusable infrastructures, platforms and applications for:
- Citizens /city visitors.
 - Smart city service departments, city services providers: emergency, police, transportation companies, event organizers, shops and restaurant owners...
 - Application developers and integrators, telecom operators...

BUSINESS OPPORTUNITIES

- New business to build on city data for application developers, integrators, platforms and infrastructures providers.
- New public-private business models for smart cities development, inspired by Cloud models supporting win-win strategies for all stakeholders.

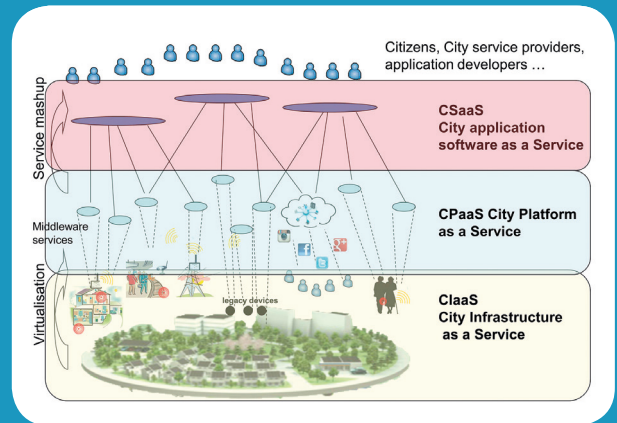
... ClouT makes the cities smarter and helps them facing the emerging challenges such as efficient energy management, economic growth and development.

ClouT's technical approach is based on typical Cloud stratification:

ClouT application layer (CSaaS) is composed by sample applications developed using the CPaaS and ClaaS APIs and running over the Cloud.

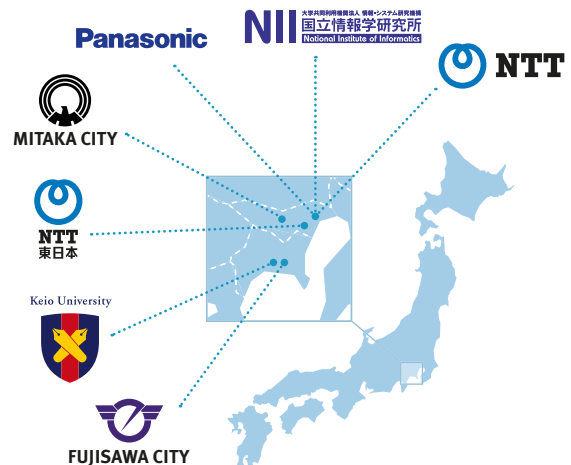
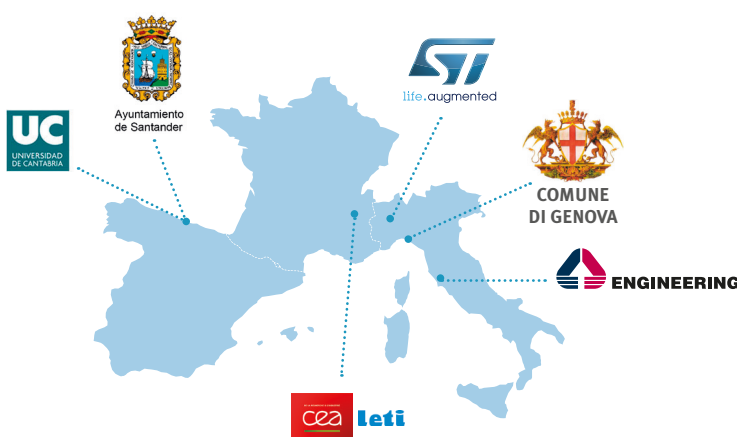
ClouT Platform layer (CPaaS) consists on a set of specialised middleware services that will enable specifically the mash-up and development of applications for the stakeholders in City Ecosystem.

ClouT City Infrastructure (ClaaS) is a set of interconnected physical and logical resources (sensors, actuators and legacy devices, social networks, smartphones) all made homogenous using virtualisation technologies.



... ClouT applications will be deployed and well tested during field trials in ClouT pilot Cities: Fujisawa, Mitaka, Genova and Santander.

ClouT's Partners



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www.clout-project.eu

