MULTI-LEVEL IOT INTEROPERABILITY FOR SMART-CITY, LARGE-SCALE, CROSS-DOMAIN APPLICATIONS
To integrate in a single framework a high volume of IoT devices of different vendors, different IoT platforms and information coming from different IoT domains, in order to support cross domain smart city application development.

SUPPORT THE EVOLUTION AND THE INTEGRATION OF MATURE INTEROPERABILITY SOLUTIONS IN EUROPE AND JAPAN
To enforce, extend and integrate interoperability solutions deemed as promising in Europe and Japan, rather than proposing other possible interoperability standards.

DESIGN OF NOVEL IOT VIRTUALIZATION AND MULTI-TENANCY TECHNOLOGIES
Design of technologies for the emulation of IoT devices using real IoT devices and computing resources. Many IoT virtual devices can be based on the same real resources, which are however isolated form the user perspective (multi-tenancy).

SIMPLIFICATION OF SMART-CITY APPLICATION DEVELOPMENT
To simplify the access to cross-domain information coming from IoT and other city sources.

A SIMPLE AND PROGRAMMABLE SYSTEM FOR IOT APPLICATION DEPLOYMENT
Simplify the deployment of IoT applications exploiting IoT device-level and cloud virtualization technologies.

REDUCTION OF EXPENDITURE FOR LARGE SCALE IOT DEPLOYMENTS
To reduce the cost of deploying large scale IoT infrastructure, including cross-border ones, providing IoT infrastructure-as-a-service.

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