



Integrated System of Communication, Localization and Sensing for Innovative Services

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Rationale and Objectives

- **Integration of communication, localization and sensing (COM/LOC/SENS) functionalities by a self-consistent heterogeneous and flexible system available to individuals and clouds of users will provide a multiplicity of innovative services and applications**
- **Reconfigurable heterogeneous telecommunication infrastructure integrating localization and sensing capabilities, terrestrial and satellite segments and intelligent objects and networks**
- **New architectures and infrastructures have to be defined considering a plurality of services and applications with a low (ideally with no) reset effort**
- **Synergistic use of advanced cognitive, cooperative and context- and location-aware technologies**
- **Distributed system intelligence and application programmable interfaces (API)**

High-level System Architecture

