KIUNSYS
innovation in mobility

Smart Parking and Infoparking for Disabled: SPeeD Project

"*People with disabilities must have access to goods, services and assistive devices. Similarly, their access to transport, facilities, and information and communication technologies must be ensured in the same way as for able-bodied people*". (European Disability Strategy 2010-2020)

The SPeeD project, co-funded by **Sardegna Ricerche,** is placed in this range and fully follows the EU directives for a common strategy to strengthen the participation of disabled people in society and economy and to improve the full exercise of their rights.

SPeeD suggests, in fact, a **Smart Parking** solution specifically directed to people with disabilities and based on the adoption of the **electronic CUDE**: the newest blue badge version, recognized at European level and equipped with **RFID tag**.

Thanks to a service available on mobile devices (app, web, SMS), people with disabilities will be able to **easily plan their movements and easily take advantage of their reserved parking stalls**. In addition to improving the mobility of people with disabilities, the project also addresses the widespread problem of the **illegal occupation of parking spaces reserved for disabled people**.

Liberologico, parent company of Kiunsys, in partnership with CRS4, FISH - Sardegna Onlus and the Associazione Ciechi Ipovedenti Retinopatici Sardi, will develop an Internet of Things platform, hardware and software, which enable to:

- **real-time and automatic monitoring of the occupation status of single parking lots** reserved to people with disabilities (free/occupied lots) and the possible illegality (legally/illegally occupied parking lot)

- **deliver of infoparking services** based on the **prediction of the state of occupation of the parking lots**

- provide decisions support services based on the prediction of the occupation rate of parking lots reserved for people with disabled, in order to optimize their use and planning by public administration

The Smart Parking services realized by SPeeD will represent a concrete example of ICT diffusion and of their use for the reduction and removal of social inclusion barriers.