

TLC, the Italian Ministry for Economic Development launches a Pilot Project for the shared use of spectrum

The Ministry of Economic Development has launched a pilot project to test the use of shared spectrum based on the Licensed Shared Access (LSA) approach. The Licensed Shared Access is a regulatory approach developed to allow a shared, flexible, and dynamic use of spectrum to improve efficiency of use.

The initiative stems from the proposed collaboration of the European Commission Joint Research Centre, which was welcomed by the Ministry. The project represents a cutting edge initiative to delve deeper on the role that spectrum sharing has, as a tool, to efficiently use spectrum, and at a broader level, to pursue the objectives set out by the Radio Spectrum Policy Programme, fundamental pillar of the European Digital Agenda.

The project will be realized in Rome with the technical collaboration of the Ugo Bordoni Foundation, and with the involvement of industrial partners from numerous European countries: Nokia Networks, PosteMobile, Qualcomm Technologies, Inc from Italy; CumuCore and Fairspectrum from Finland; and Red Technologies from France.

The trial will mainly take place in an indoor scenario and foresees the deployment of a radio system based on LTE technology using frequencies in the 2.3-2.4 GHz band. A European Regulatory framework harmonising the use of these frequencies by electronic communications systems and including the shared approach based on the LSA is currently being finalised in Europe.