

NEWSLETTER

September, 2025

ExcellCity: Strengthening the Scientific Excellence and Innovation Capacity in the Area of Smart City through Twinning



Between 9 and 15 September 2025, lecturers, PhD students, and undergraduate students from the University of Library Studies and Information Technologies (ULSIT) participated in a short-term academic mobility at the University of Messina (Italy) under the project ExcellCity: Strengthening the Scientific Excellence and Innovation Capacity in the Area of Smart City through Twinning (BG-RRP-2.005-0003), funded by the National Recovery and Resilience Plan of Bulgaria.

The mobility focused on the themes **“Intelligent Cloud Continuum”** and **“AI Agents & Edge Continuum”**, emphasizing the development of intelligent and scalable infrastructures for smart cities.

The program was conducted under the supervision of Prof. Massimo Villari, Prof. Maria Fazio, and Prof. Antonio Celesti, with the active participation of seven additional researchers, PhD candidates, and experts from the FCRLab, who presented innovative projects in cloud computing, IoT integration, Cloud–Fog–Edge continuum architectures, and AI-based automation systems for urban environments.

The week included lectures, hands-on sessions, and demonstrations of real-world solutions, covering:

- the design of intelligent systems and infrastructures for smart cities;
- FIWARE architectures for interoperability and IoT connectivity;
- deployment of Big Data Warehouse and OLAP solutions in cloud environments;
- application of Agentic AI models for autonomous decision-making;
- Edge–Cloud Continuum scenarios optimizing computation and energy efficiency.

