Overall Concept

METACITIES project aims to establish an Excellence Hub for future cities and regions in Southeast Europe, built upon Digital Twins and metaverse technologies, through cross-border collaboration focusing on innovation and engaging all different categories of actors of the Quadruple Helix.

METACITIES

www.metacities-hub.com

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METACITIES

MetaCities Excellence Hub in South-Eastern Europe

01/01
2023

48
Months

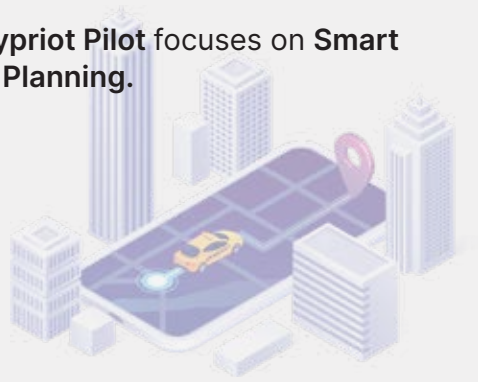
21
Partners

3
Clusters

PILOTS, DEMONSTRATORS AND PROTOTYPES

METACITIES will design pilots and demonstrators drawn from specific smart city sectors, jointly contributed by the three Southeastern Europe clusters (Cyprus, Greece and Bulgaria). Prototypes will be executed to act as Proof of Concepts in each of the three selected smart city sectors by building instances of the proposed Digital Twins and Metaverses according to the Open Digital Twin Framework and using actual Information Communication Technology infrastructures.

- The **Greek Pilot** focuses on **Smart Mobility in the region of Patras**.
- The **Bulgarian Pilot** focuses on **Smart buildings and Energy efficiency in the region of Burgas**.
- The **Cypriot Pilot** focuses on **Smart Urban Planning**.



Objectives

01 To jointly define **long-term Research and Innovation strategies** and implementation guidelines on Digital Twins and Metaverse technologies for smart regions in Southeastern Europe.

02 To identify reference **Information Communication Technology architectures** of upcoming technologies and infrastructures required to support METACITIES.

03 To design **pilots** for feasibility and **Proof of Concepts** for validation and feedback.

04 To identify an **Integrated Business Process** framework and **Business Models** for METACITIES.

05 To orchestrate and strengthen local ecosystems and channel their potential to **accelerate digital transformation** of cities and regions.

06 To **maximize the impact** and adoption of METACITIES approach.

Consortium

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