Boosting the technical and non-technical skills and competences of smart cities technicians and engineers

An Erasmus+ project
www.smacite.eu
Project No: 101052513
Project Full Name: Boosting the technical and non-technical skills and competences of smart cities technicians and engineers
Duration: 36 months
Start Date: June 2022
Partnership: 12 partners + 19 associated partners
Program: Erasmus+
Budget: 1.675.545 €
EU Contribution: 1.340.436 € (80%)
SMACITE aims to address the skills gap of Smart Cities technicians and engineers, by designing and testing a vocational education and training program based on a novel and multi-disciplinary curriculum combining digital skills on Smart Cities enabling technologies, with soft, entrepreneurship and green skills.
Address the **skills gap** at the Smart Cities domain

Define **emerging professions** of “Smart Cities Technician” and “Smart Cities Engineer”

Foster innovative and multidisciplinary approaches for teaching and learning technical and non-technical **competences**

Facilitate the flow and co-creation of knowledge between HEIs, VET, research, public and business

Provide personalized learning opportunities and promoting the use of **micro-credentials**

Underpin the shift to a **greener** economy, modernize Europe’s industry and drive new industries

Develop a sense of **initiative** and **entrepreneurship** and **mind-sets** of Smart Cities technicians and engineers
EXPECTED PROJECT OUTPUTS

A Smart Cities competences map and ESCO-compliant Smart Cities job profiles

A Smart Cities curriculum combining both technical and non-technical skills and competences and promoting personalized learning pathways

Learning resources for Smart Cities enabling technologies and for building the soft, entrepreneurship and green skills of Smart Cities technicians and Engineers

A diagnostic tool to identify personalized learning pathways

A MOOC for Smart Cities enabling technologies

Virtual Worlds for building soft, green and entrepreneurship skills of Smart Cities technicians and engineers
PROJECT TARGET AUDIENCE

SMART CITY TECHNICIANS
- Public and private -

SMART CITY ENGINEERS
- Public and private -

HEI STUDENTS

VET STUDENTS
STAGE 1 • Definition of Smart Cities competences, emerging job profiles and curriculum

STAGE 2 • Develop learning resources for upskilling/reskilling of Smart City technicians & engineers

STAGE 3 • Develop the MOOC and the Virtual Worlds

STAGE 4 • Evaluate the effectiveness of the SMACITE curriculum

STAGE 5 • Evaluate impact and take actions to support the exploitation and sustainability of results
CHRONOGRAM AND MILESTONES

- **JUN 2022**: Project Start
- **SEPT 2022**: Emerging Smart Cities ESCO-compliant job profiles
- **NOV 2022**: Diagnostic tool to identify personalized training pathways
- **MAR 2023**: 1st version of SMACITE curriculum
- **JUL 2023**: 1st version of curriculum’s learning resources
- **NOV 2023**: MOOC for Smart Cities training
- **JAN 2024**: Virtual Worlds for training on soft, entrepreneurship and green skills
- **JAN 2025**: National pilots
- **MAY 2025**: Final version of SMACITE curriculum
- **SEP 2023**: National workshops
- **MAR 2024**: European workshop
- **JAN 2024**: National workshops
- **MAY 2024**: European workshop
- **MAY 2025**: European workshop
- **JUL 2023**: National workshops
- **NOV 2023**: National workshops
PROJECT PARTNERS

- UNIVERSITY OF PATRAS (LEADER)
- UNIVERSITY OF WEST ATTICA
- UNIVERSITY OF ALCALA
- OLYMPIC TRAINING AND CONSULTING
- EUROPEAN SOFTWARE INSTITUTE
- APRO FORMAZIONE
- POLITEKNIKA TXORIERRI
- EUROPEAN DIGITAL SME ALLIANCE
- BASCOM
- GAIA
- COMUNIDAD DE MADRID
- UNIVERSAL CERTIFICATION SOLUTIONS
ASSOCIATED PARTNERS

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ESSI PROJECTS
PROJECT STRUCTURE

**WP1** – Project management and coordination

**WP2**
Smart Cities competences map and curriculum

**WP3**
Learning resources for the upskilling/reskilling of Smart Cities technicians and engineers

**WP4**
MOOC and Virtual Worlds for the upskilling/reskilling of Smart Cities technicians and Engineers

**WP5**
Pilots and testing

**WP6** – Quality Assurance, Risk Management, and project evaluation

**WP7** – Impact, dissemination and exploitation
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For more information, please visit our website and follow us on social media

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