

SMA CITE

Enhancing skills
for smart city tech

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

An Erasmus+ project

www.smacite.eu



Co-funded by the
European Union

PROJECT OVERVIEW

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%)

PROJECT OBJECTIVE

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**.

NEEDS

The lack of skills is a major barrier to exploit the Smart Cities potential

- ① Address the **skills gap** at the Smart Cities domain
- ① Define **emerging professions** of “Smart Cities Technician” and “Smart Cities Engineer”
- ① Foster innovative and multidisciplinary approaches for teaching and learning technical and non-technical **competences**
- ① Facilitate the flow and co-creation of knowledge between HEIs, VET, research, public and business
- ① Provide personalized learning opportunities and promoting the use of **micro-credentials**
- ① Underpin the shift to a **greener** economy, modernize Europe’s industry and drive new industries
- ① 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**

JOURNEY

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

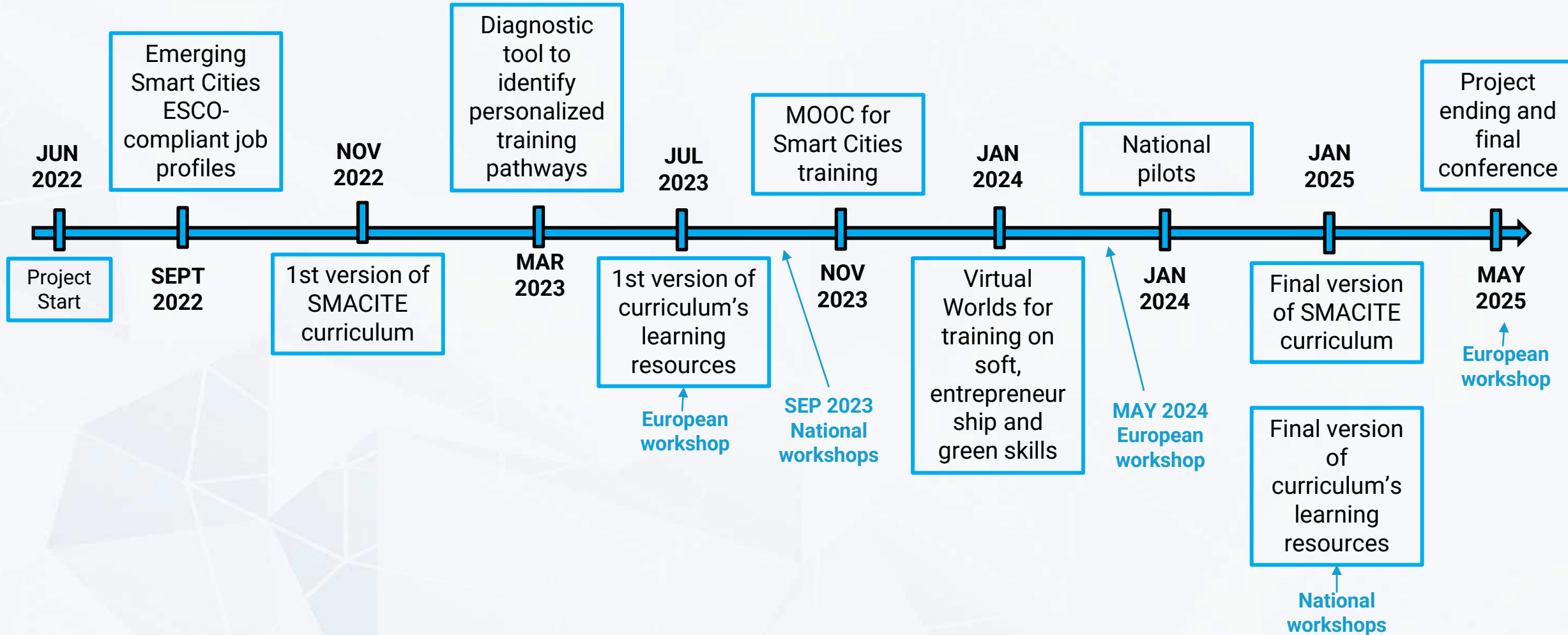
STAGE 4

- 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



PROJECT PARTNERS

Bulgaria



Belgium



Greece



Italy



Spain



- 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

GREECE

AKNOW

EUROPROODOS

ARGOS-MYC-MUNIC

GCS

TRIPOLIS-MUNIC

PYRGOS-MUNIC

SUSTAIN_CITY

ITALY

TORINO WIRELESS

COMUNE DI ALBA

EGEA

UPO

BULGARIA

ICT CLUSTER

BELGIUM

CEPIS

SPAIN

HETEL

TKNIKA

ATRIUM

GLOBAL KNOWLEDGE NETWORK

NANFOR

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

<https://smacite.eu/>

