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

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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

- 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

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**

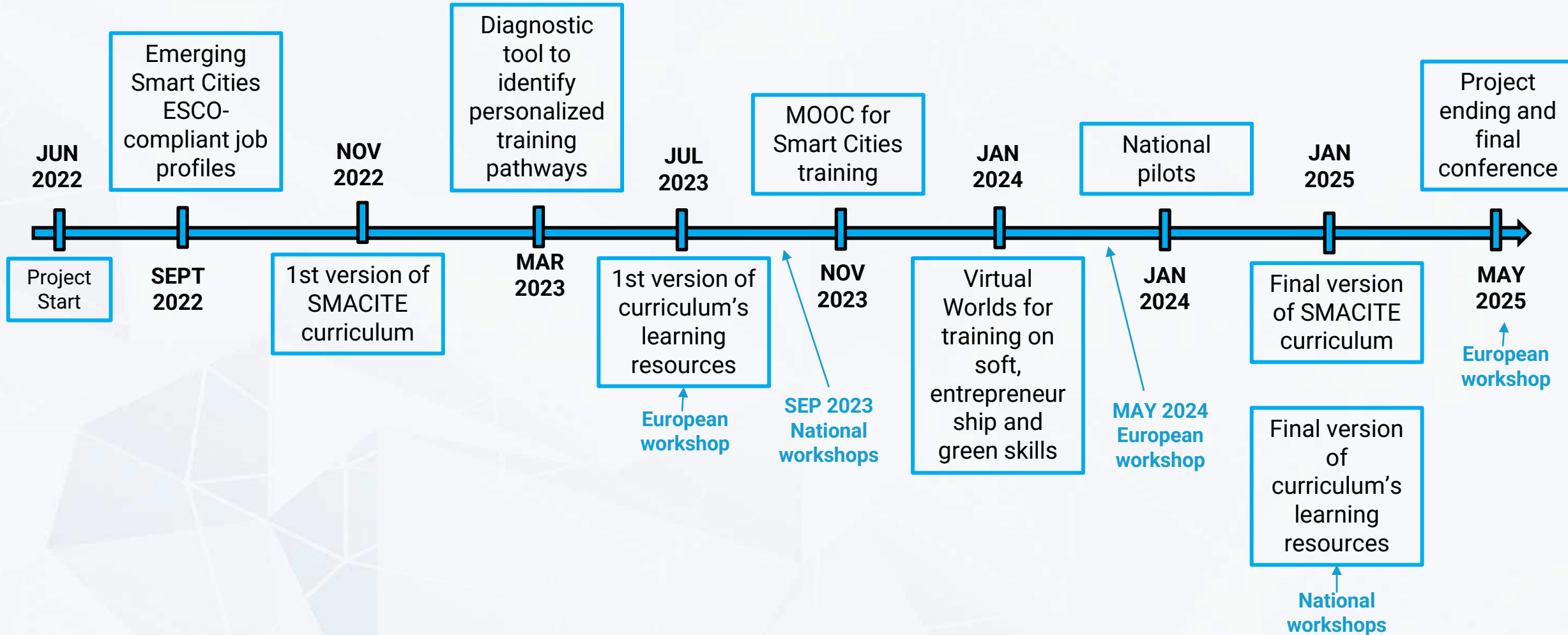**STAGE 3** · **Develop the MOOC and the Virtual Worlds**

STAGE 4 · **Evaluate the effectiveness of the SMACITE curriculum**

STAGE 5 · **Evaluate impact and take actions to support the exploitation and sustainability of results**

SMACITE project

CHRONOGRAM AND MILESTONES

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JUN 2022

Emerging Smart Cities ESCO-compliant job profiles

Project Start

SEPT 2022

NOV 2022

1st version of SMACITE curriculum

Diagnostic tool to identify personalized training pathways

MAR 2023

JUL 2023

1st version of curriculum's learning resources

European workshop

MOOC for Smart Cities training

NOV 2023

SEP 2023 National workshops

JAN 2024

Virtual Worlds for training on soft, entrepreneurship and green skills

National pilots

JAN 2024

MAY 2024 European workshop

JAN 2025

Final version of SMACITE curriculum

Final version of curriculum's learning resources

National workshops

Project ending and final conference

MAY 2025

European workshop

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

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GREECE
AKNOW

EUROPROODOS

ARGOS-MYC-MUNIC

GCS

TRIPOLIS-MUNIC

PYRGOS-MUNIC

SUSTAIN_CITY

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EGEA

UPO

BULGARIA
ICT CLUSTER

BELGIUM
CEPIS

SPAIN
HETEL

TKNIKA

ATRIUM

GLOBAL NOWLEDGE NETWORK

NANFOR

ESSI PROJECTS

11/25/2022

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

THANK YOU

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For more information, please visit our website and follow us on social media

https://smacite.eu/

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