

## **SMACITE**

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

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

**D3.2 Learning resources for soft skills  
development**

**Final Version**



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## DELIVERABLE FACTSHEET

<b>Project Number:</b>	101052513
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<b>Task:</b>	T3.2: Development of learning resources for soft skills
<b>Deliverable:</b>	D3.2: Learning resources for soft skills development
<b>Version:</b>	Final version
<b>Editor(s):</b>	Polina Kontodiakou, Teresa Papagiannopoulou, Despoina Kontorizou

## DELIVERABLE HISTORY

Version	Name	Partner	Date	Comments
0.1	Polina Kontodiakou, Teresa Papagiannopoulou, Despoina Kontorizou	OTC	19/12/2024	Draft for review
0.2	Vera Ilieva, Katerina Lykomitrou	BASSCOM UNICERT	17/01/2025	Reviewed edition
1.0	Polina Kontodiakou, Teresa Papagiannopoulou, Despoina Kontorizou	OTC	24/01/2025	Final edition

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## PROJECT SUMMARY

The project aims to address the skills gap of Smart Cities technicians and engineers, by designing and testing a vocational education and training program that is based on a novel and multi-disciplinary curriculum combining digital skills on Smart Cities enabling technologies, with soft, entrepreneurship and green skills.

The expected project outputs are:

- 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 the soft, green and entrepreneurship skills of Smart Cities technicians and engineers.

The main project beneficiaries are Smart Cities technician and engineers either from the public sector (i.e. municipalities) or enterprises providing Smart Cities solutions, as well as HEI and VET students interested in Smart Cities.

The curriculum will be tested through 4 national pilots in Greece, Bulgaria, Spain and Italy with at least 160 trainees. The certification of the skills and competences will follow a two-fold approach: (a) using micro-credentials to recognize the knowledge and skills gained through the successful completion of each online training module at the MOOC and Virtual Worlds and (b) designing the “Smart Cities Specialization Certification” that will be awarded to those passing online certifications exams with e-proctoring after the completion of the training modules.

The project will create an ecosystem for the co-design and co-development of an innovative curriculum and technology-enhanced learning tools for the upskilling/reskilling of Smart Cities technicians and engineers.

# 1 Introduction

This deliverable is a set of Open Educational Resources in the format of texts, short videos, and presentations for building the soft skills of Smart Cities technicians and engineers.

## 1.1 Structure of the deliverable

The deliverable is divided into 2 main sections.

- **Section 1** introduces the deliverable. More specifically, Section 1.1 describes the structure of the deliverable, Section 1.2 outlines the target audience and finally Section 1.3 outlines the dependencies with other WPs and deliverables.
- **Section 2** describes the set of the developed Open Educational Resources.

## 1.2 Target audience

The target audience of the deliverable includes the following stakeholders:

- The SMACITE granting authority.
- The SMACITE participating organizations (the project coordinator and the project partners).
- The SMACITE project stakeholders.
- Educators and trainers in the field of soft skills.
- Learners (i.e Smart Cities Engineers and Technicians) interested in building their soft skills.

## 1.3 Dependencies with other WPs and deliverables

The deliverable D3.2 has direct connections with the following WPs and deliverables:

- **D2.2 The SMACITE curriculum for Smart Cities** of WP2: this deliverable describes the SMACITE curriculum.
- **D4.2 MOOC for Smart Cities** of WP4: this deliverable describes the SMACITE MOOC.

## 2 Open Educational Resources for soft skills

The list of the Open Educational Resources developed for soft skills development is available at this [link](#).

It includes for each module of the course a document that is complemented by presentations and videos.

Specifically, it includes the following resources:

- Documents
  - Module 1\_Introduction
  - Module 2\_Interpersonal communication
  - Module 3\_Teamwork and collaboration
  - Module 4\_Critical thinking and problem solving
  - Module 5\_Leadership and management
  - Module 6\_Managing through change
- Presentations
  - Module 3\_Cross functional teams
  - Module 4\_The agile mindset
  - Module 5\_Responsible leadership and servant leadership
  - Module 6\_Resistance to change
- Videos
  - Module 3\_Cross functional teams
  - Module 4\_The agile mindset
  - Module 5\_Responsible leadership and servant leadership
  - Module 6\_Resistance to change





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