



## SMACITE project Newsletter #3

The **SMACITE project** aims to address the gap between the skills of **technicians and engineers** currently working in the field of **smart cities**, thanks to a new adapted educational programme that will combine **technical and non-technical skills** (entrepreneurship, environment, etc.)

### PROJECT PROGRESS DURING ITS FIRST HALF

We have worked hard during the first half of the project, reaching various major milestones in this journey.

Firstly we defined the **"Smart Cities Technician"** and **"Smart Cities Engineer"** emerging job profiles. The two profiles have been mapped to the ESCO labor classification and to the standard EN16234-1:2019 for ICT professional competences.

We also designed both the 1st edition of the **SMACITE curriculum** (see below) and its **learning resources** in the format of documents, presentations and short videos.

The development of a **diagnostic tool** to identify the training needs of Smart Cities technicians and engineers and the beta version of a **MOOC and Virtual Worlds** for the upskilling/reskilling at Smart Cities enabling technologies and horizontal skills was our next task, which we completed successfully.

Finally, we have ensured the smooth start of the pilot training by taking all the necessary actions i.e. the **design of the pilot plan** and **trainers handbook** and the publication of an **open call** for participation of stakeholders in the **pilot training**.

You can access all published public deliverables at: <https://smacite.eu/index.php/en/results/deliverables>

Stay tuned for further updates on the project!

### SMACITE CURRICULUM

#### Digital skills



##### Smart Cities

Architecture of smart cities solutions and fundamental technologies that enable these deployments to work in smart city applications



##### Cloud Computing

Cloud Computing solutions, their advantages and drawbacks for each use case



##### Internet of Things

IoT fundamental concepts, and potential applications in Smart City development



##### Data analytics and visualization

The power of data in decision-making processes, driving city-wide improvements



##### Machine learning and Big Data

Machine learning technologies and the role of Artificial Intelligence in the optimization of urban processes



##### Cybersecurity

Fundamental concepts, technologies, capabilities and main use cases in Smart Cities



##### Drones

Core concepts, underlying technologies and applications in the Smart City environment of Aerial Unmanned Vehicles



##### 3D Printing

3D modelling, design, printing and main applications in the Smart City context



##### Blockchain

Core principles on Blockchain technology and its applications in efficient urban management



##### Autonomous Vehicles

Main concepts and technologies used by autonomous vehicles

#### Horizontal skills



##### Soft skills

Flexibility, communication, teamwork, and more skills that allow learners to perform better, achieve their goals and navigate their environment optimally



##### Entrepreneurial skills

Conceptual framework, content, operating environment of entrepreneurship, and business development fundamentals



##### Green skills

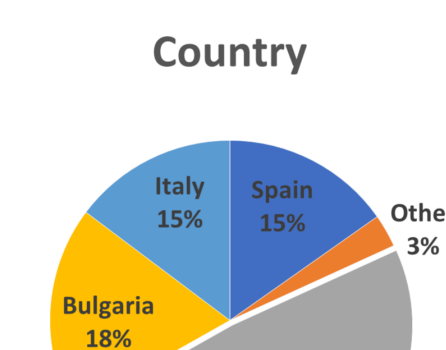
Circular economy, energy preservation and waste management practices

### PILOT TRAININGS

After the launch and diffusion of the Expression of interest call, more than 400 people have registered to participate in the SMACITE project pilots!

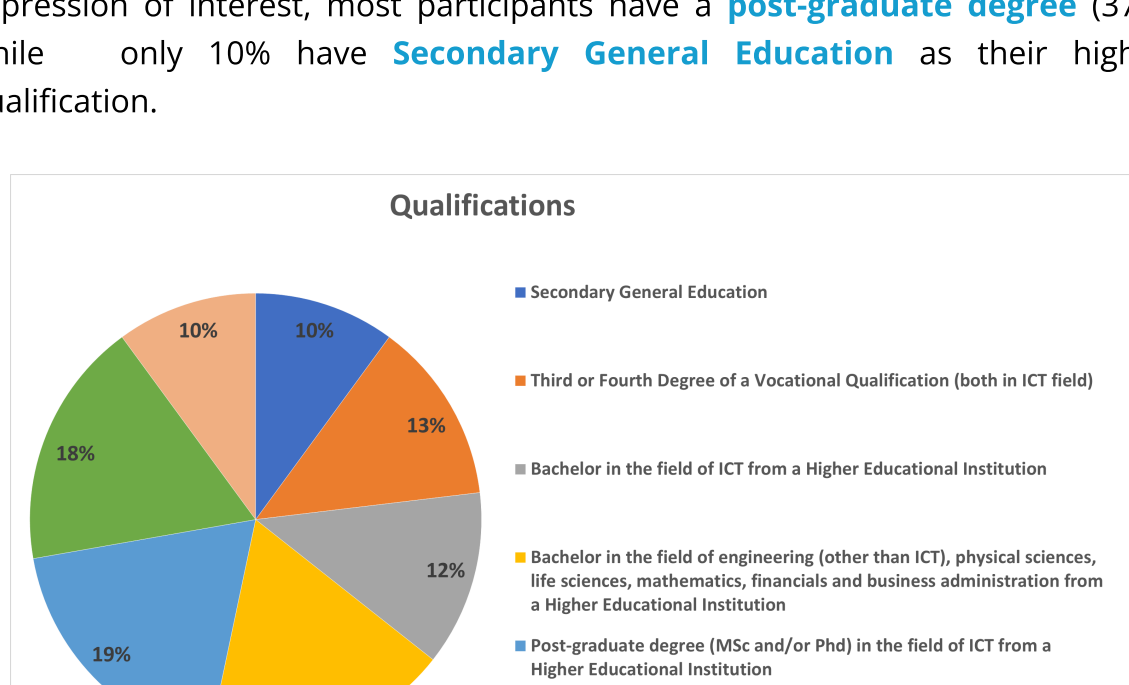
These pilots will take place in Greece, Bulgaria, Italy and Spain; being the potential participants of the pilots mainly from Greece (49%) and Bulgaria (18%).

Country



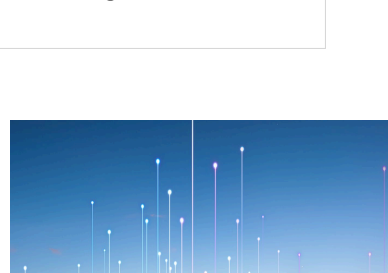
The SMACITE pilots are aimed mainly at both students from VET schools and universities and professionals from the public and private sector who are working or are interested in Smart Cities. Regarding the responses gathered from the expression of interest, most participants have a **post-graduate degree** (37%), while only 10% have **Secondary General Education** as their highest qualification.

Qualifications



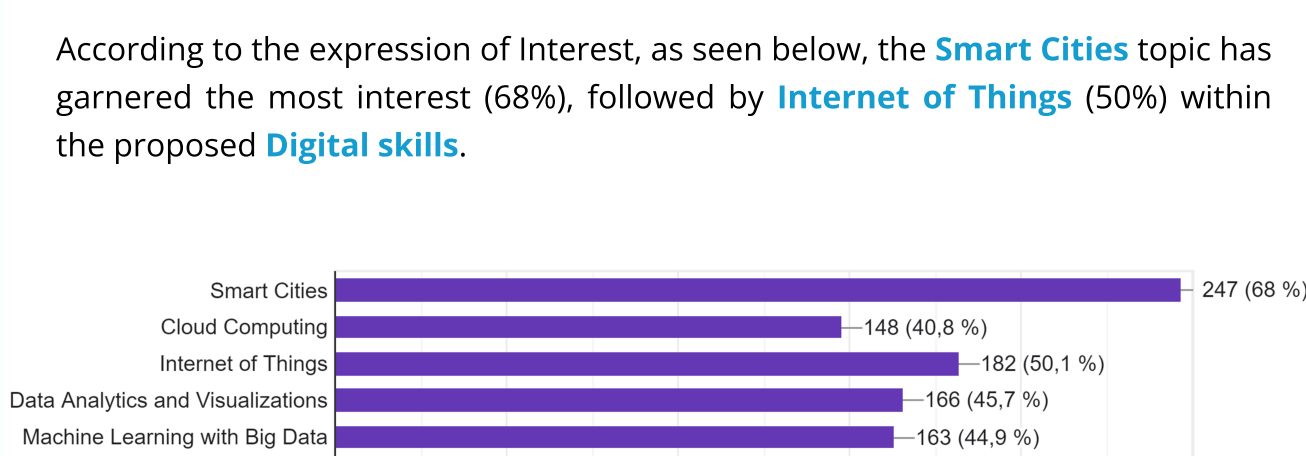
The pilot training is being delivered in two phases, starting **19th february 2024**:

- Phase 1: Online asynchronous courses on digital skills at MOOC
- Phase 2: Online synchronous courses on horizontal skills at Virtual Worlds

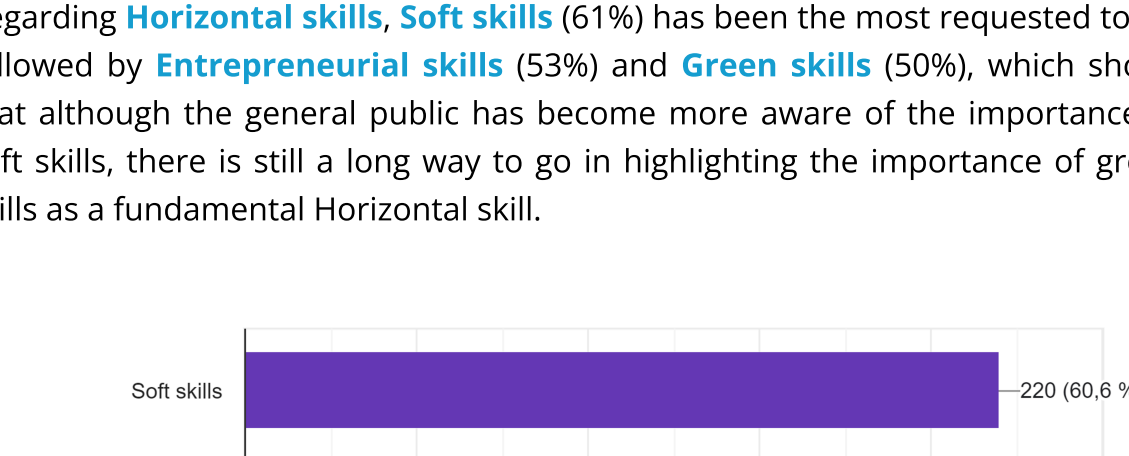


The participants in the pilot training will be able to gain both a Certificate of attendance upon completing each course, and the Smart Cities Specialization Certification for Technicians and Engineers after they succeed at the online exams that will take place in September 2024.

According to the expression of Interest, as seen below, the **Smart Cities** topic has garnered the most interest (68%), followed by **Internet of Things** (50%) within the proposed **Digital skills**.



Regarding **Horizontal skills**, **Soft skills** (61%) has been the most requested topic, followed by **Entrepreneurial skills** (53%) and **Green skills** (50%), which shows that although the general public has become more aware of the importance of soft skills, there is still a long way to go in highlighting the importance of green skills as a fundamental Horizontal skill.



Note that despite the last two graphics accounting only for 88% of the responses (the ones in the English version of the Expression of Interest), the expressed preferences align with the overall result.

### CONDUCTED PROJECT WORKSHOPS

#### 1st International Online Workshop



Date: 20th September 2023  
Organization: Digital SME  
Attendees: 83  
Country: Online

#### National Workshop Bilbao



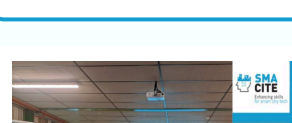
Date: 5th October 2023  
Organization: Politeknika Txorierrri  
Attendees: 132  
Country: Spain

#### National Workshop Stara Zagora



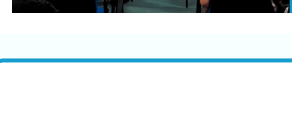
Date: 27 - 29th October 2023  
Organization: BASSCOM, ESI Center Eastern Europe  
Attendees: 76  
Country: Bulgaria

#### National Workshop Patras



Date: 23rd november 2023  
Organization: University of Patras, Olympic Training and Consulting  
Attendees: 53  
Country: Greece

#### National Workshop Alba



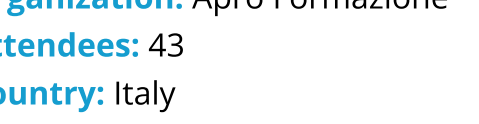
Date: multiple dates in November 2023  
Organization: Apro Formazione  
Attendees: 43  
Country: Italy

For more information visit our website:

[www.smacite.eu](http://www.smacite.eu)



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