



Digital Tools and Sustainable Goals

Overview of the project

2° Multiplier Event
Brussel, 23 November 2023



Co-funded by the
Erasmus+ Programme
of the European Union

THE PROJECT IN BRIEF



Project type:

Strategic Partnership



Project Coordinator:

Tor Vergata University of Rome



Partnership:

5 universities + 4 associate partners



Duration:

3 years (2020-2023)

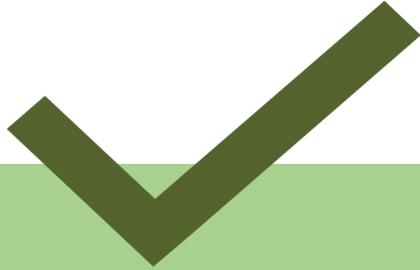
Partner universities:

- University of Antwerp
- University of Bremen
- Universidad Carlos III de Madrid
- Universidade Nova de Lisboa

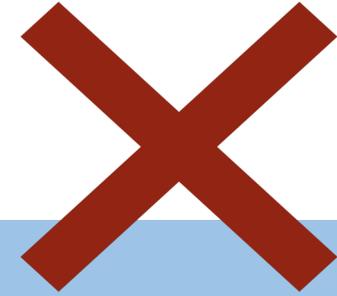
Associate partners:

- YERUN
- Dublin City University
- ASVIS - Alleanza Italiana per lo Sviluppo Sostenibile
- CSCMP - Council of Supply Chain Management Professionals

THE NEEDS ANALYSIS: NEW SKILLS REQUIRED



- IMPACT OF DIGITAL TRANSFORMATION ON INDUSTRY AND CONSEQUENT INCREASE OF DEMAND OF DIGITAL SKILLS
- IMPACT OF DIGITAL TRANSFORMATION ON EDUCATION AND CONSEQUENT INCREASED NEED FOR A NEW GENERATION OF QUALIFICATION FRAMEWORKS FOCUSED ON DIGITAL CREDENTIALS
- INCREASED DEMAND FOR SHORT LEARNING EXPERIENCES TO ACQUIRE TARGETED COMPETENCIES AND SKILLS



MISMATCH

- SHORTAGE OF EMPLOYEES WITH DIGITAL SKILLS IN THE AREA OF PROCUREMENT AND LACK OF ACADEMIC COURSES ON DIGITAL COMPETENCIES LINKED TO PROCUREMENT
- LACK OF TRANSPARENCY OF INFORMATION AND PORTABILITY OF TRADITIONAL QUALIFICATIONS REPOSITORIES
- SHORTAGE OF FLEXIBLE LEARNING PATHWAYS AT HIGHER EDUCATION LEVEL, MORE STUDENT-CENTRED, COMPETENCY BASED, TAILORED TO SPECIFIC PROFILE REQUIRED BY THE LABOUR MARKET

THE PROJECT ACTIVITIES

- ✓ 4 staff training meetings
- ✓ 2 summer schools
- ✓ 7 project progress meetings
- ✓ 2 intellectual outputs
- ✓ 2 multiplier events



SUMMER SCHOOLS

with a blended format:

- **self-paced training** on the fundamentals in the areas of digital transformation, sustainability, procurement and supply chain management (accessible on Open edX);
- **in-person practice-based lectures**

❖ *Sustainable Public Procurement in the Digital Age*

on-site week: 10-14 July 2023 in Villa Mondragone (Rome)

26 participants from the 5 partner universities + Brunel University

❖ *Procurement as Lever towards a Sustainable and Digital Future*

on-site week: 28 Aug-1 Sep 2023 at the School of Management (Antwerp)

22 participants from the 5 partner universities



TWO INTELLECTUAL OUTPUTS

1. Digital3 for sustainable procurement:
Digital courses on Digital practices/tools
certified through Digital badges

2. Guidelines on Micro-credentials
Exploring the Potential of Micro-credentials



1. ProcToGo e-learning course on digital and sustainable procurement

ProcToGo e-learning materials are structured into four modules:

1. Digital Transformation and Artificial Intelligence

- 1.1 Introduction to Digital Transformation
- 1.2 Artificial Intelligence and Advanced Analytics
- 1.3 Machine Learning Algorithms

2. Sustainability & Sustainable Management

- 2.1 Towards our Common Digital Future
- 2.2 Basics of Sustainability
- 2.3 Basics of Sustainable Management

3. Value creating procurement

- 3.1 Procurement strategy
- 3.2 Procurement maturity models: Cost, risk and... value
- 3.3 Strategic and sustainable innovation

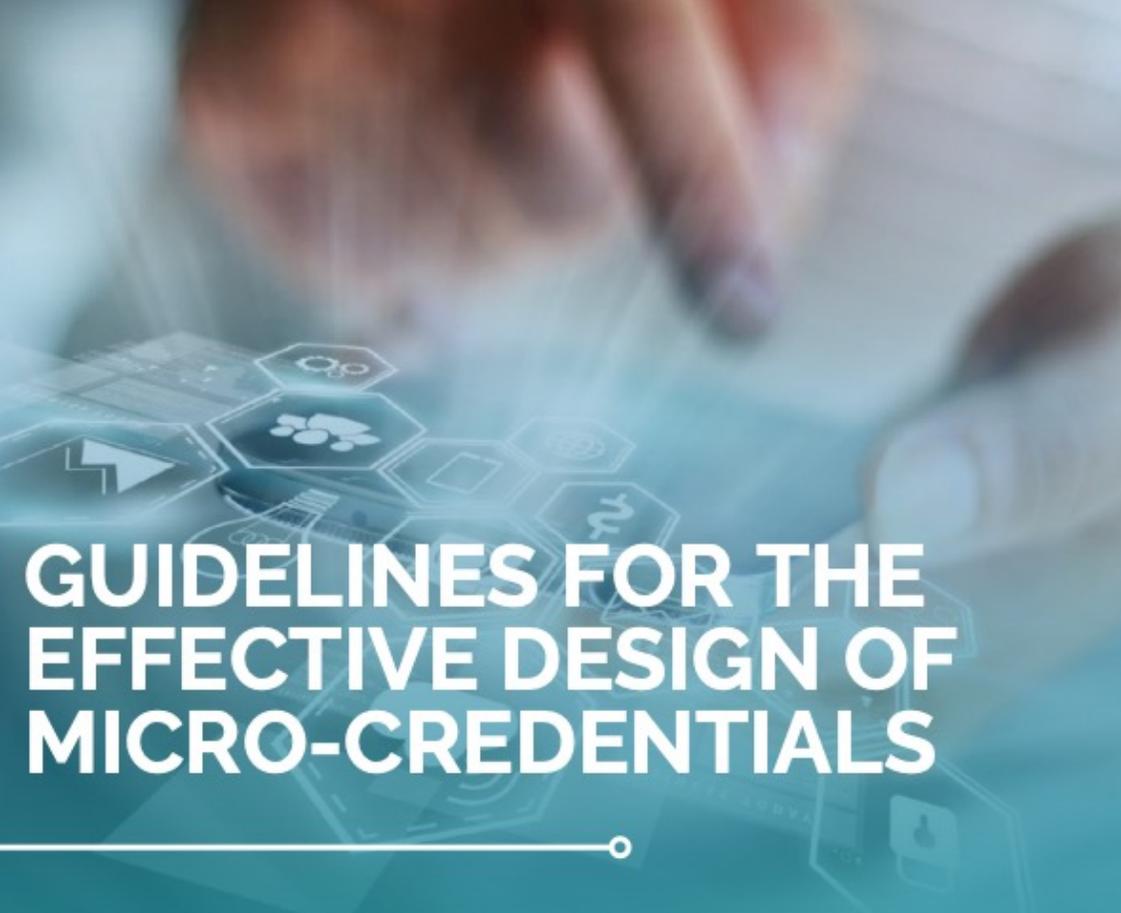
4. Supply Chain Management

- 4.1 Supply Chain Management (SCM)
- 4.2 Digital SCM
- 4.3 Sustainable SCM

Each module includes videos, reading materials and exercises.

Direct access to the e-learning platform is on the project website at <https://proctogo.it/intellectual-outputs/>

The e-learning course is freely accessible after the completion of an authentication procedure requesting a username (the user's email address) and a password (created by the user)



GUIDELINES FOR THE EFFECTIVE DESIGN OF MICRO-CREDENTIALS

The ProcToGo Experience

2. Guidelines on Micro-credentials

The guidelines aim to provide higher education institutions/educators with guiding principles for developing and delivering micro-credentials. Their purpose is to:

- facilitate a common understanding of basic principles and concepts related to micro-credentials
- highlight the most relevant features for an effective design of micro-credentials
- identify the challenges educators must grapple with when designing micro-credentials, particularly in the context of procurement, sustainability and artificial intelligence, and suggest solutions



Thank you for
your attention

