

Course

"Circular Economy Expert in Sustainable Plastic Product"

RAQUEL ORTEGA GARCÍA

has successfully completed Module 1: General Circular Economy level I-VET-VET

Education with a duration of 0.75 ECTS (18.75 hours)

Date

Responsible of the entity
Entity



























MODULE 1: GENERAL CIRCULAR ECONOMY

- 1. Presentation and definition of concepts related to the circular economy.
- 2. Circular Economy implementation strategies
- 3. Regulatory Framework and Circular Economy business models





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RAQUEL ORTEGA GARCÍA

has successfully completed Module 2: Eco-design and LCA level I-VET-VET

Education with a duration of 0.75 ECTS (18.75 hours)

Date

Responsible of the entity Entity



























MODULE 2: ECO-DESIGN AND LCA

- 1. General aspects of eco-design: application to the plastic sector
- 2. Design guidelines of plastic packaging for minimum waste and efficient sorting
- 3. Life Cycle Sustainability Assessment principles and methods (LCA, SLCA, LCC)
- 4. Training with LCA software
- 5. Redesign based on LCA results.
- 6. Environmental product declaration, ecoindicators and certification
- 7. End of life scenarios





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RAQUEL ORTEGA GARCÍA

has successfully completed Module 3: Digital Skills level I-VET-VET

Education with a duration of 0.75 ECTS (18.75 hours)

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MODULE 3: DIGITAL SKILLS

- 1. Blockchain applied to the traceability of materials
- 2. Digital manufacturing (DM)
- 3. Simulation/Motorization
- 4. LANS
- 5. Robotics/artificial intelligence
- 6. The Cloud
- 7. Internet of Things
- 8. Big Data Analysis
- 9. Cyber security
- 10. Augmented reality





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RAQUEL ORTEGA GARCÍA

has successfully completed Module 4: Recycling, Downcycling, Upcycling level I-VET-VET

Education with a duration of 0.75 ECTS (18.75 hours)

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MODULE 4: RECYCLING, DOWNCYCLING, UPCYCLING

- 1. Current situation in Europe and waste management in different industrial sector
- 2. Recycling technologies





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RAQUEL ORTEGA GARCÍA

has successfully completed Module 5: Manufacturing processes level I-VET-VET

Education with a duration of 0.75 ECTS (18.75 hours)

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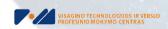
























MODULE 5: MANUFACTURING PROCESSES

- 1. Manufacturing processes in the context of circular economy.
- 2. Recycled materials and composites to manufacturing processes.
- 3. Bio-based and/or biodegradable materials to manufacturing processes.





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RAQUEL ORTEGA GARCÍA

has successfully completed Module 6: Users and Usages level I-VET-VET

Education with a duration of 0.75 ECTS (18.75 hours)

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MODULE 6: USERS AND USAGES

- 1. Introduction to ecolabels
- 2. Ecolabels in practice
- 3. General aspects related to understanding consumer needs with respect to sustainable products.
- 4. Consumer awareness
- 5. Consumer willingness to pay for sustainable products.
- 6. Communicating products' sustainability





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RAQUEL ORTEGA GARCÍA

has successfully completed Module 7: Recovery level I-VET-VET

Education with a duration of 0.75 ECTS (18.75 hours)

Date

Responsible of the entity Entity



























MODULE 7: RECOVERY

- 1. Presentation and definition of concepts related to materials recovery and added values.
- 2. Introduction Definition of concepts
- 3. Identifying Rs business opportunities
- 4. Strategies of eco-design and spare parts, design for disassembly and recyclability
- 5. Reverse logistics concept





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RAQUEL ORTEGA GARCÍA

has successfully completed Module 8: Entrepreneurship level I-VET-VET

Education with a duration of 0.75 ECTS (18.75 hours)

Date

Responsible of the entity
Entity



























MODULE 8: ENTREPRENEURSHIP

- 1. Presentation and definition of concepts related to entrepreneurship and innovation.
- 2. New business development
- 3. Technology transfer and intellectual property rights

