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retaste rethink food resources, losses, and waste 2024

LIFE-C: PROMOTING LIFE CYCLE THINKING IN HIGHER EDUCATION

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Abstract

One of the highest priority EU goals is to protect the environment and fight against climate change. Within this framework, the environmental cost of any product, service, or activity must be assessed. Life-C project aims to prepare students and professionals across all activity sectors to become true agents of change, by providing them with knowledge and tools to address their future choices and decisions minimizing environmental impacts. The project will develop a specific course on Life Cycle Assessment (LCA), based on innovative teaching methodologies. The general objective of the project is to minimize the environmental, economic, and social impact of the products and activities on future economies and industries. The partners propose to contribute to reaching this objective by raising Life Cycle Thinking (LCT) awareness, providing an e-learning LCA course, available on a devoted e-learning platform, for international students of engineering and economic faculties, infusing the required technical and scientific knowledge for understanding the sustainability of production processes and technologies with an LCT approach, to support the achievement of the UN Sustainable Development Goals n. 11 “sustainable cities and communities” and n. 12 “responsible production and consumption”. All three dimensions of sustainability – environmental,

economic, and social – are addressed. The project is coordinated by the Silesian University of Technology (SUT), in Poland. The partners of the projects are Niccolò Cusano University (Unicusano), in Italy, Lappeenranta-Lahti University of Technology (LUT), in Finland, National Technical University of Athens (NTUA), in Greece.

Keywords: : life cycle assessment, life cycle costing, social life cycle assessment, life cycle sustainability, innovative teaching methodology

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