

CIVIL AND ENVIRONMENTAL ENGINEERING

Methodologies to support Green innovation for a circular and sustainable industry

Funded By	
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Context of the research activity	Within the project NODES (Nord Ovest Digitale E Sostenibile – CUP E13B22000020001), “Spoke 2 – GREEN TECHNOLOGIES AND SUSTAINABLE INDUSTRY”, the PhD project will use life cycle assessment (LCA), social cycle assessment (sLCA) and other sustainability assessment tools and metrics to measure and minimize the resource use and the environmental impact of products through adequate circular economy solutions.
Objectives	The main aim of the doctoral research activity is to contribute to the development of metrics and methodologies to support a circular and sustainable industry. The research program addresses the issue of Green innovation in sustainable product (eco)-design and production. Research activities will build on concepts and methodologies devoted to measuring environmental and social impacts such as Life Cycle Assessment (LCA) and Social-LCA.
Skills and competencies for the development of the activity	The PhD candidate should preferably have experience and competences on: <ul style="list-style-type: none">- Life Cycle Assessment,- Social Life Cycle Assessment,- Carbon Footprinting;- Recycling technologies; A good knowledge of English. Good knowledge of practical attitude for the lab activities and problem-solving skills. As he/she will work in a multidisciplinary project, he/she must demonstrate adaptability in different environments, and to interact positively with the other groups members.