

RESEARCH THEME

Title of the doctoral research Designing Sustainable Product-Service System applied to Distributed Economies

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Abstract

The research program is aimed at exploring, defining and promoting the role of Design, in designing Sustainable Product-Service Systems (S.PSS) model as win-win approach to develop and diffuse even in low and middle-income contexts the promising model of Distributed Economies (DE), i.e. Distributed energy Generation (DG - e.g. Distributed Renewable Energy systems), Distributed Food production (DF - e.g. urban gardening), Distributed Water management (DW); Distributed Manufacturing (DM - e.g. 3D printing), Distributed Software development (DS - i.e. Linux), Distributed production of knowledge (DK -e.g. Wikipedia) and Distributed Design (DD - e.g. Open Motors).

According to the diffused interest in the access to sustainable development (e.g. UN "Sustainable Developments Goals") the research will focus on Distributed Economies as a locally-based sustainability opportunity; i.e. to promote equity and cohesion together with the environmental dimension of sustainability driven by economic interest. In this research framework, the challenge will be to define a new "knowledge-base" and "know-how" for the design practice and education.

Keywords Sustainable Product Service System (S.PSS); Distributed Economies (DE); Design for Sustainability.