Supporting the Development of Environmentally Sustainable PSS by Means of the Ecodesign Maturity Model

Despite their substantial potential for enabling increased environmental performance, product/service-systems (PSS) are not intrinsically environmentally sustainable. In order to ensure increased sustainability performance, PSS and related business models need to be developed taking into account best practice for ecodesign implementation and management. The Ecodesign Maturity Model (EcoM2) is a management framework that supports manufacturing companies to consistently and systematically implement ecodesign, based on a step-by-step approach. EcoM2 contains a database containing more than 600 practices, categorized into management practices, operational practices and methods & tools. Currently, only two management practices of the EcoM2 address PSS development. This paper aims to identify the best practices for PSS development, based on a literature review, followed by a presentation of a proposal for the integration of the new practices for PSS development into the EcoM2. In total, 17 best practices for PSS development were identified in this research, and integrated into the EcoM2. The proposed EcoM2 for PSS model has the potential to support the development of environmentally sustainable PSS.