

A Multi-Level Approach to Improve Sustainability Performances of Industrial Agglomerations

Authors : Patrick Innocenti, Elias Montini, Silvia Menato, Marzio Sorlini

Abstract : Documented experiences of industrial symbiosis are always triggered and driven only by economic goals: environmental and (even rarely) social results are sometimes assessed and declared as effects of virtuous behaviours, but are merely casual and un-pursued side externalities. Even worse: all the symbiotic project candidates entailing economic loss for just one of the (also dozen) partners are simply stopped without considering the overall benefit for the whole partnership. The here-presented approach aims at providing methodologies and tools to effectively manage these situations and fostering the implementation of virtuous symbiotic investments in manufacturing aggregations for a more sustainable production.

Keywords : business model, industrial symbiosis, industrial agglomerations, sustainability

Conference Title : ICIE 2017 : International Conference on Industrial Ecology

Conference Location : Amsterdam, Netherlands

Conference Dates : June 18-19, 2017