

Book of Abstracts

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LCIs of Latin American seafood production systems in ecoinvent®

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Abstract

A 2017-2018 ecoinvent® project, in the context of the “ Sustainable Recycling Industries programme” , provided new undefined Unit Process LCI datasets representing fisheries, aquaculture and fish processing in Latin America. South America is an important seafood producing area, representing 10% of the global wild captures from marine, brackish, and freshwater environments in 2015. In fact, certain countries are important global producers of specific seafood species, such as anchoveta (Peru) , tunas (Ecuador) , salmonids (Chile) and tilapia (Brazil) . The inclusion of a seafood-related dataset is novel to ecoinvent® and thus formalises a new area of LCI data collection for which a specific modelling strategy was proposed. Results (impact assessment based on the produced inventories) were tested and compared against literature and previous LCAs performed by the authors. The authors are confident the results of this project will encourage other data providers, in particular those based in developing countries underrepresented in inventory databases, to further enrich ecoinvent® with global seafood inventories.

Keywords: *aquaculture; fisheries; fishmeal; Latin America; LCI; seafood*

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