Understanding the future of circularity:

The EXPLICIT project

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Teams Link

Abstract

The **Circular Economy** (CE) is a paradigm aimed at transforming economic-ecological interactions by replacing the linear model with a restorative, regenerative one. The core idea is to keep products in use through **reuse** and **recycling**, seeking to narrow, slow, and close material and energy loops **across supply chains**. This shift goes beyond mere waste reduction, inspiring technological and social innovation.

The EXPLICIT Project has explored a plurality of **plausible circular futures**, defining alternative scenarios looking for a transition towards a circular economy and its characteristics. The **implications** in terms of supply chains and production networks and the performance across **environmental**, **social**, and **economic** indicators have been analysed.