



Sustainable Design of Common Pool Resource Supply Chains

DESIGN AND MODELING APPROACHES FOR THE SUSTAINABLE MANAGEMENT OF SHARED RESOURCES

KEY WORDS

SUSTAINABLE,
DESIGN,
RESOURCES

DESCRIPTION

Analysis and design of supply chains associated with common pool resources, integrating sustainability, efficiency and governance criteria. The study addresses system complexity through analytical and modeling approaches, considering stakeholder interactions, environmental constraints and productive dynamics

POTENTIAL BENEFITS OR IMPACTS

Improved sustainable design and management of supply chains;
Contribution to public policies related to shared resources;
Reduction of environmental impacts in production systems;
Generation of applied knowledge in sustainability and logistics

TECHNOLOGY MATURITY LEVEL (TRL)

TRL 3: experimental proof of concept

AREA OF APPLICATION

Plastics
Energy
Supply chains

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