

THEKLA: Evidence-based directives for the round wood processing industry



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1 Scientific Consortium

- BOKU (Peter Rauch, Christoph Kogler)
- University Graz (Marc Reimann, Sophie Schimpfhuber)

2 Industry Partner

- formal funding recipient
Fachverband der Papierindustrie
- coordination industry partner
Forst-Holz-Papier (Hermine Hackl)
- project management
Austropapier (Hans Grieshofer)
- representatives of transport
Papierholz-Austria (Christian Schnedl, Peter Seebacher)
- representative of paper mills
Mondi (Dietmar Hagauer)
- representative of saw mills
Fachverband der Holzindustrie (Rainer Handl)
- representative of forestry
Esterhazy Group (Markus Fritz)

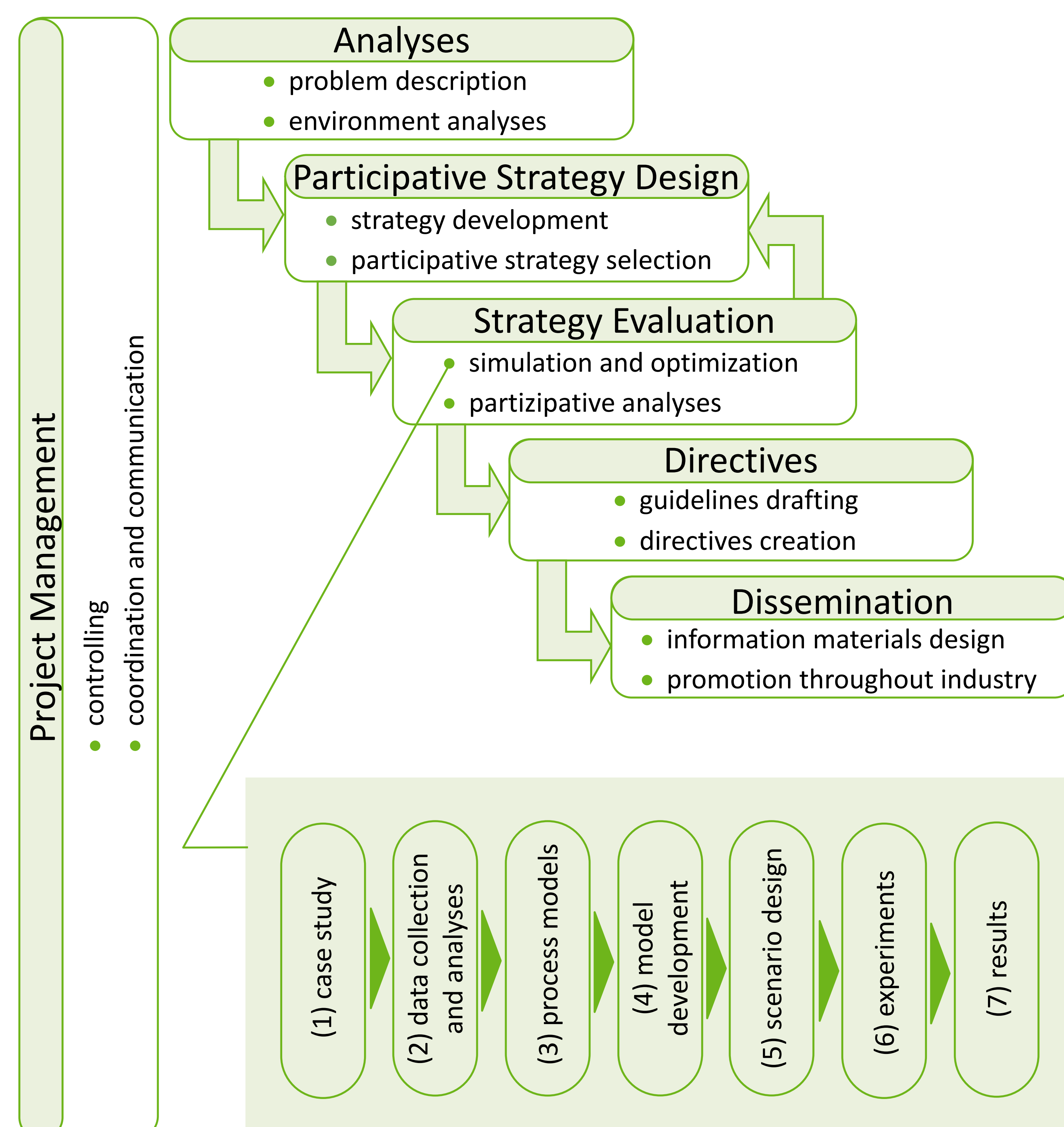
3 Objective

“The objective of the project is to obtain the long-term competitiveness of the Austrian forestry, woodworking- and paper industry by using the potential of a coordinated supply chain through sustainable supply chain management in order to improve competitiveness, security of supply and efficiency and reduce environmental impact.”

4 Project Planning

- actual status: project application submitted to Austrian research promotion agency (FFG)
- funding: collective research program (40% industry partner, 60% Austrian research promotion agency)
- final funding decision: beginning of summer
- planned project duration: 1,5 years (late 2018 – mid 2020)
- project idea was raised in late 2016 and project consortium was formed and project application was compiled during 2017

5 Work Packages



6 Approaches

- controlling and management of transport quantities from forest to warehouses to industry:** inventory management, location selection, buffer capacity for resilient supply
- smoothing daily supply and demand peaks:** optimization of delivery cycles, reduction of transport costs, storage capacity and waiting times at the industry
- multimodality by transshipping logs from road to rail:** reduce CO₂ emissions, additional strategy options and transport capacities after natural disasters
- transshipping logs from crane trucks to semi-trailer trucks:** lower transport costs by reducing the number of loaded and empty runs
- concepts for return loads:** enhance efficiency and reduce environmental impact, introduce innovative concepts like foldable containers