

Circular Value Chain Builder

METHOD DESCRIPTION

The purpose of the toolbox

To enable circular economy and sustainability, the end-to-end value chain of products and services needs to be understood. Optimization potential, bottlenecks and challenges need to be identified and solutions co-created.

The Circular Value Chain Builder will provide practitioners with a hands-on toolset to jointly draft relevant value chain models and to develop concrete actions plans to enable circularity and sustainability.

After the workshop participants should be able to master key value chain design & optimization principles and techniques.



Workshop duration:
2x4 hours



Who should be involved?
Key ecosystem actors



Participants:
15-18 (optimum)
divided into 3 teams



Suggestions for preparatory assignments

Familiarize yourself with key circular design principles and approaches. Reading recommendations:

- Circular Economy Playbook (SITRA)
- Towards the Circular Economy: Accelerating the scale-up across global supply chains (World Economic Forum)
- Circular Supply Chains Are More Sustainable. Why Are They So Rare? (Harvard Business Review: Soufani / Loch)



Recommended workshop setup

Face-to-face workshop recommended; online workshop possible



Assets needed

Printed canvas for a face-to-face workshop (size's A0 on the wall and printed A1 & A3 worksheets for teams) OR online canvases (e.g. Miro or Padlet)

Instructions

How to prepare for the exercise



Send a calendar invitation for two 4 -hour workshops



Send an e-mail to participants with pre-reading recommendations approx. 1-2 weeks before the workshop



Familiarize yourself with key circular / sustainable value chain principles and approaches



Select product / value chain for the workshops either as an example or selected by participants.



Prepare hand-out material, posters and presentation.

How to run the workshop



Introduce workshop objectives, the circular value chain toolbox and key circular value chain principles



Exercise 1: High-level end-to-end value chain (WS 1)

Outline the end-to-end value chain under consideration of each major process step from raw material, production, use to end-of-life incl. logistics and life extension.

Exercise 2: Key stakeholder & motivation (WS 1)

Identify key stakeholders per process step along the value chain as well as their objective and motivation.

Exercise 3: Opportunities, Challenges and Gaps (WS 2)

Identify opportunities, challenges and capability gaps along the drafted value chain as it relates to achieving circularity and sustainability.

Exercise 4: Roadmap / action plan (WS 2)

Draft a concrete roadmap and action plans derived from the identified opportunities, challenges and capability gaps outlining short-, mid- and long-term actions.



Between exercises present results back to the group and discuss questions and additions from other teams.



Consolidate findings into a single value chain model for the selected product / value chain.