# Beyond circularity

Transforming waste and emissions into valuable resources for sustainable growth

Valmet' project proposal "Beyond circularity" has been selected as one of the Veturi initiatives by Business Finland.

The Beyond circularity project

- improves Valmet's readiness to support the green transition in Valmet's customer industries
- supports the implementation of Valmet's Climate program, which sets ambitious targets in the areas of carbon neutral production and energy efficiency of Valmet's current offering.



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**Funding** 

#### **Valmet**

Valmet plans to invest EUR 40 million into the project with an additional EUR 20 million by Business Finland.

#### **Ecosystem**

EUR 50 million (Ecosystem participants' own funding) + EUR 50 million (Business Finland funding) reserved for Ecosystem projects.

**Ecosystem** 

A new green transition ecosystem is to be built as part of this project to

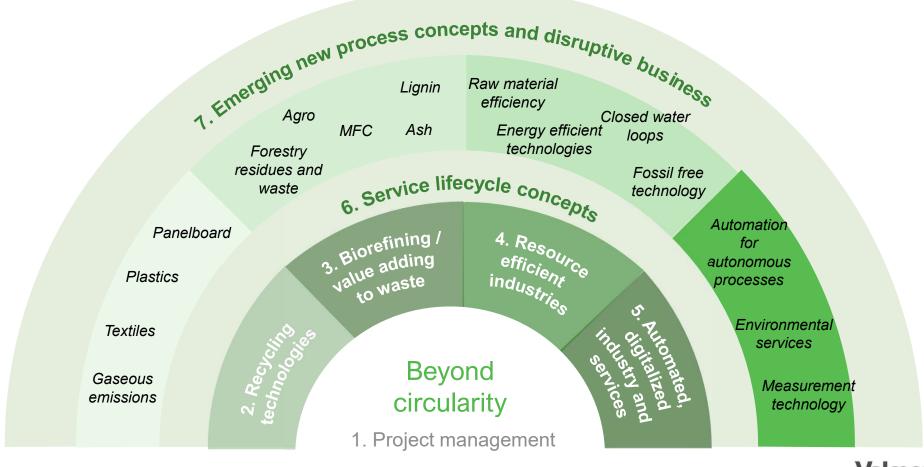
- create value and growth for the participants
- expand competences to new areas
- encourage best national and international partners in the field to join in

When a project is accepted to the Beyond circularity ecosystem (with Valmet approval), Business Finland funding can be applied for the project.



## Beyond circularity is implemented through 7 streams

Streams and their key topics



### Beyond circularity – schedule



Project management

**TEXTILES** 

Recycling technologies

Bio-refining / value adding to waste

Resource efficient industries

Automated, digitalized industry and services

Service life cycle concept

Emerging new process concepts and disruptive business

**PLASTICS** 

PANELBOARD

**GASEOUS EMISSIONS** 

LIGNIN

**AGRO** 

ASH

FORESTRY RESIDUES AND WASTE

MFC

**RAW MATERIAL & ENERGY EFFICIENCY** 

**ELECTRIFICATION & CARBON NEUTRALITY** 

ECOSYSTEM ESTABLISHMENT, RESEARCH AND EXTERNAL PARTNERING, COMMUNICATION

**CLOSED WATER LOOPS** 

2023

AUTOMATION FOR AUTONOMOUS PROCESSES: Digital platform

**ENVIRONMENTAL SERVICES** 

MEASUREMENT TECHNOLOGY

SERVICE LIFECYCLE VALUE PROPOSITION

PROCESS LIFE CYCLE MODELLING

EMERGING NEW PROCESS CONCEPTS AND DISRUPTIVE BUSINESS

2022

2024

