CIRCULAR ECONOMY AND RESOURCE WISDOM
in Southwest Finland

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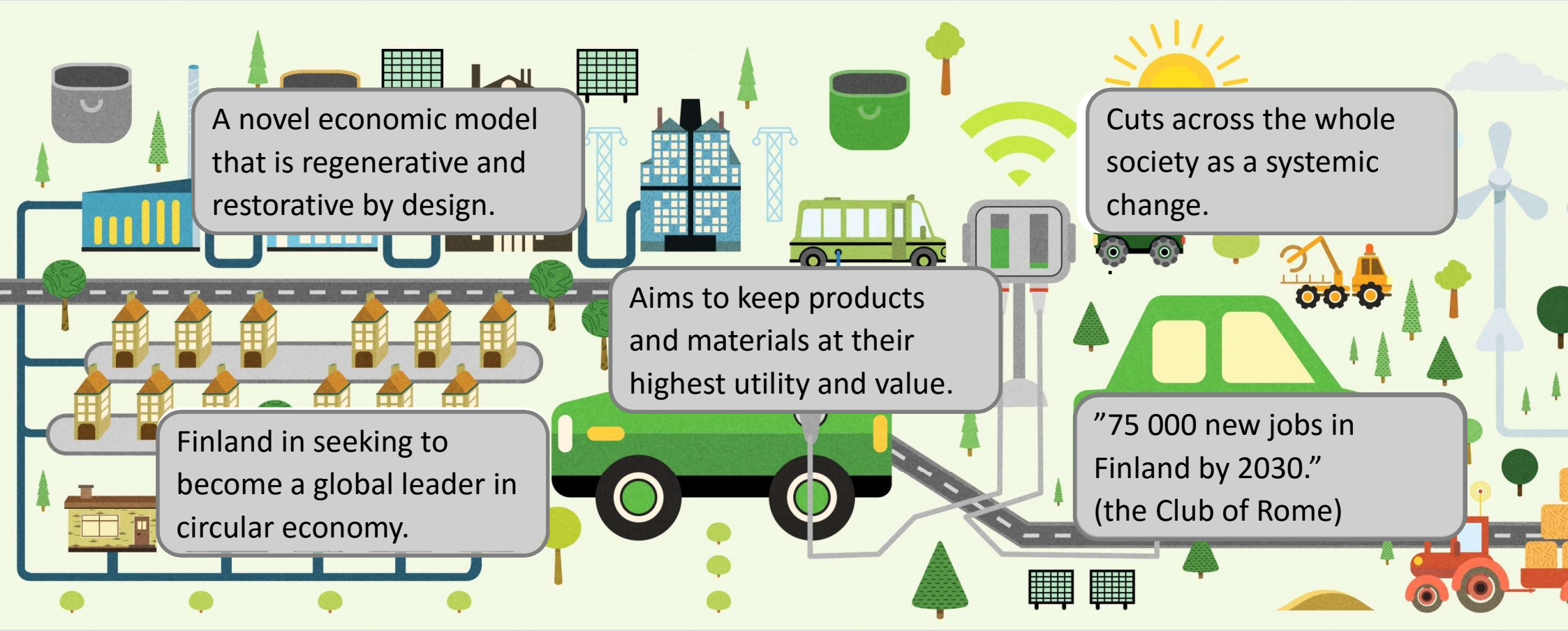
Circular economy



A regional perspective

- The potential growth is linked into local and regional strenghts and conditions
- The solutions strenghten the economy and self-sufficiency of the region
- Added value is found when the side streams are being utilized within a near distance
- Bolstering the attractiveness of the region and its cities
- Though the great success stories happen in the global arenas, the stepping stones should be close. In order to create strong products for export, domestic references are needed.

→ Local potentials (natural resources, services, knowhow, material flows) need to be identified in order to reach economic growth in circular economy.

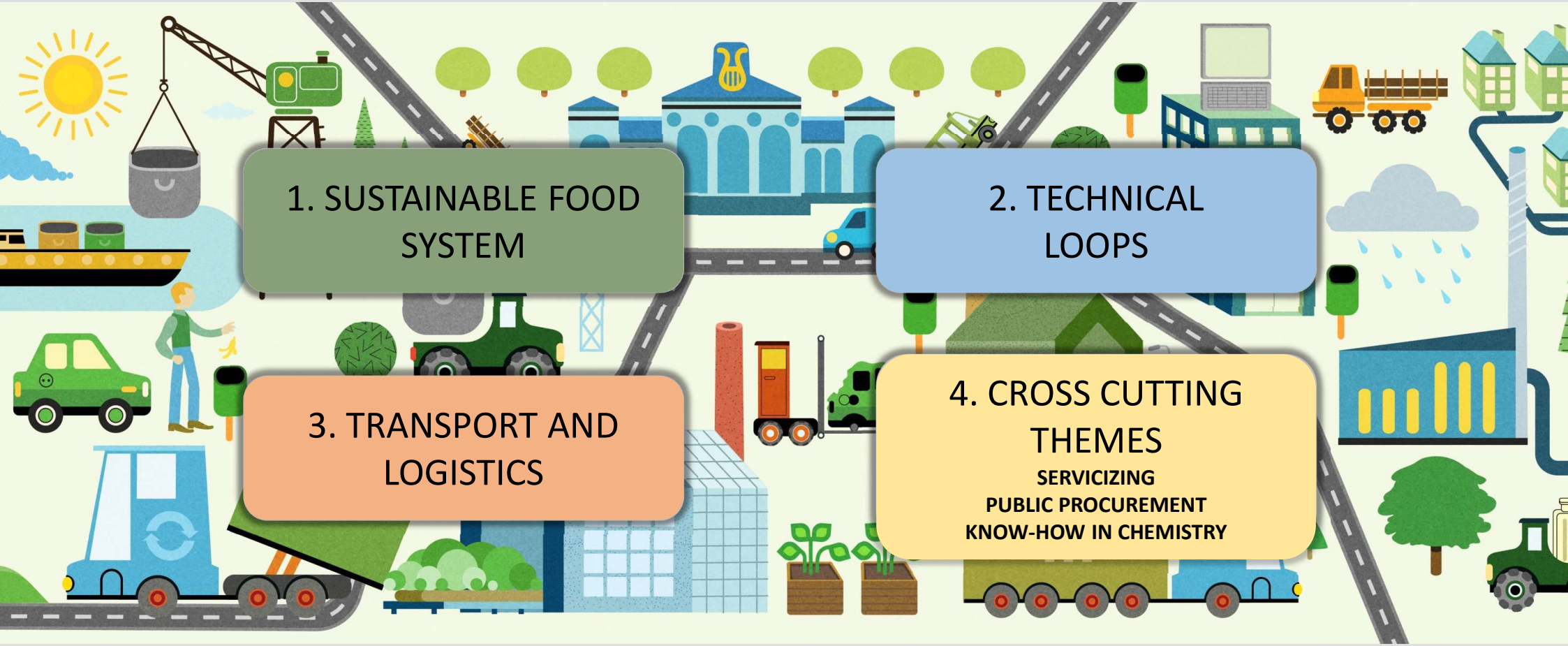
Why?

Circular economy can not be achieved without true cooperation.
You can not succeed on your own!

Southwest Finland

- The region is on the path to becoming carbon neutral
- The City of Turku aims to be carbon neutral by 2040
- An ongoing energy transition
- The positive restructuring in the region
- Smart mobility
- Strong clusters: Life Science and maritime technologies

Focus areas

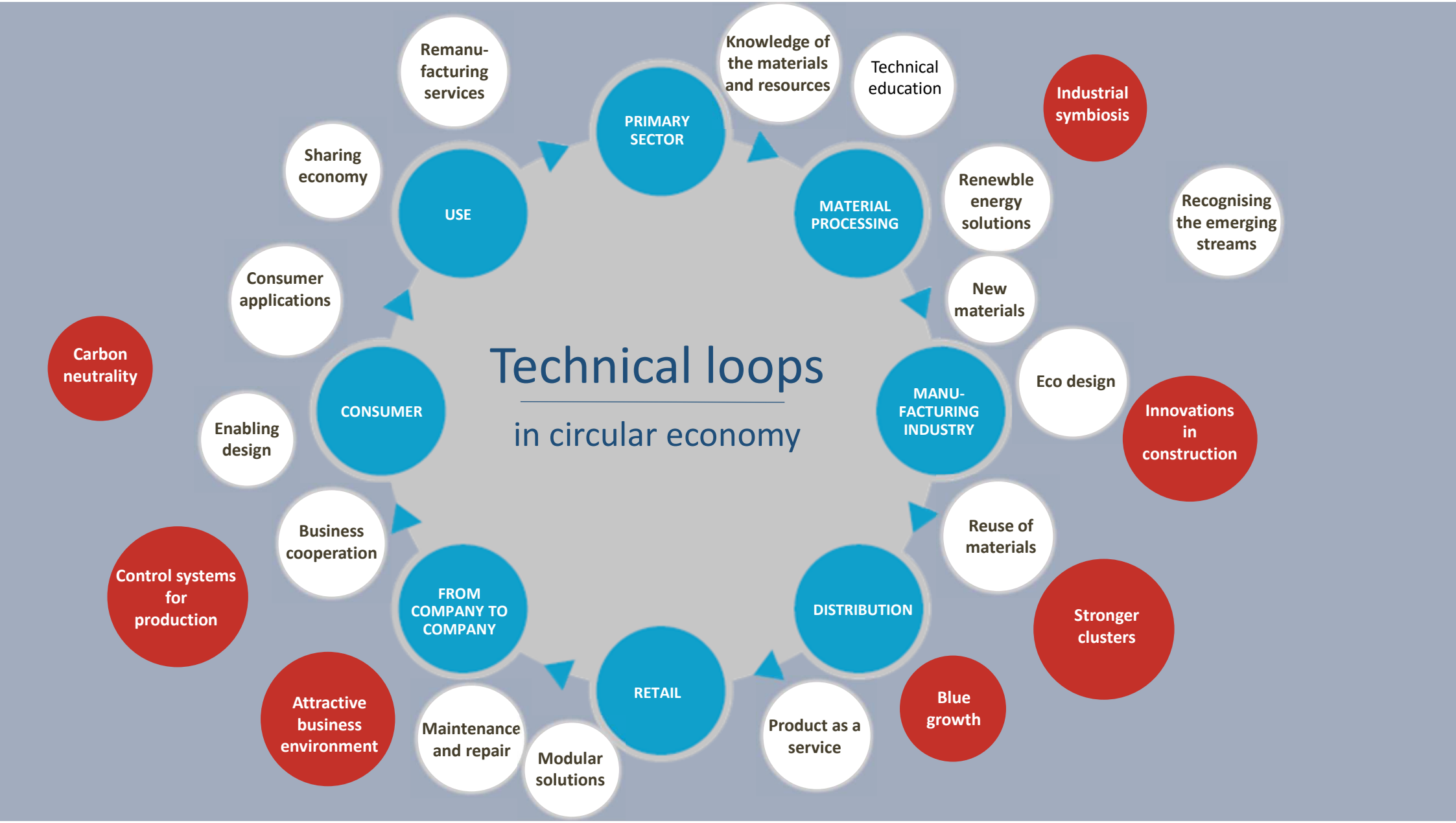

1. SUSTAINABLE FOOD SYSTEM
2. TECHNICAL LOOPS
3. TRANSPORT AND LOGISTICS
4. CROSS CUTTING THEMES
SERVICIZING
PUBLIC PROCUREMENT
KNOW-HOW IN CHEMISTRY

Sustainable food system
in circular economy
PRIMARY SECTOR
MATERIAL PROCESSING
MANU-FACTURING INDUSTRY
DISTRIBUTION
RETAIL
FROM COMPANY TO COMPANY
CONSUMER
USE
Production of recycled nutrients
Nutrient products
Biogas
Use of manure
Sustainable animal feed
New products
Local seasonal products
Understanding the value chain
Delivery platforms and services
Reduction of waste
Consumer service design
Use of biowaste
Nutrient neutrality
Reduction of environmental impacts
Attractiveness for tourists
Self suffiency
Functional food products
Sources of protein
Digital innovations

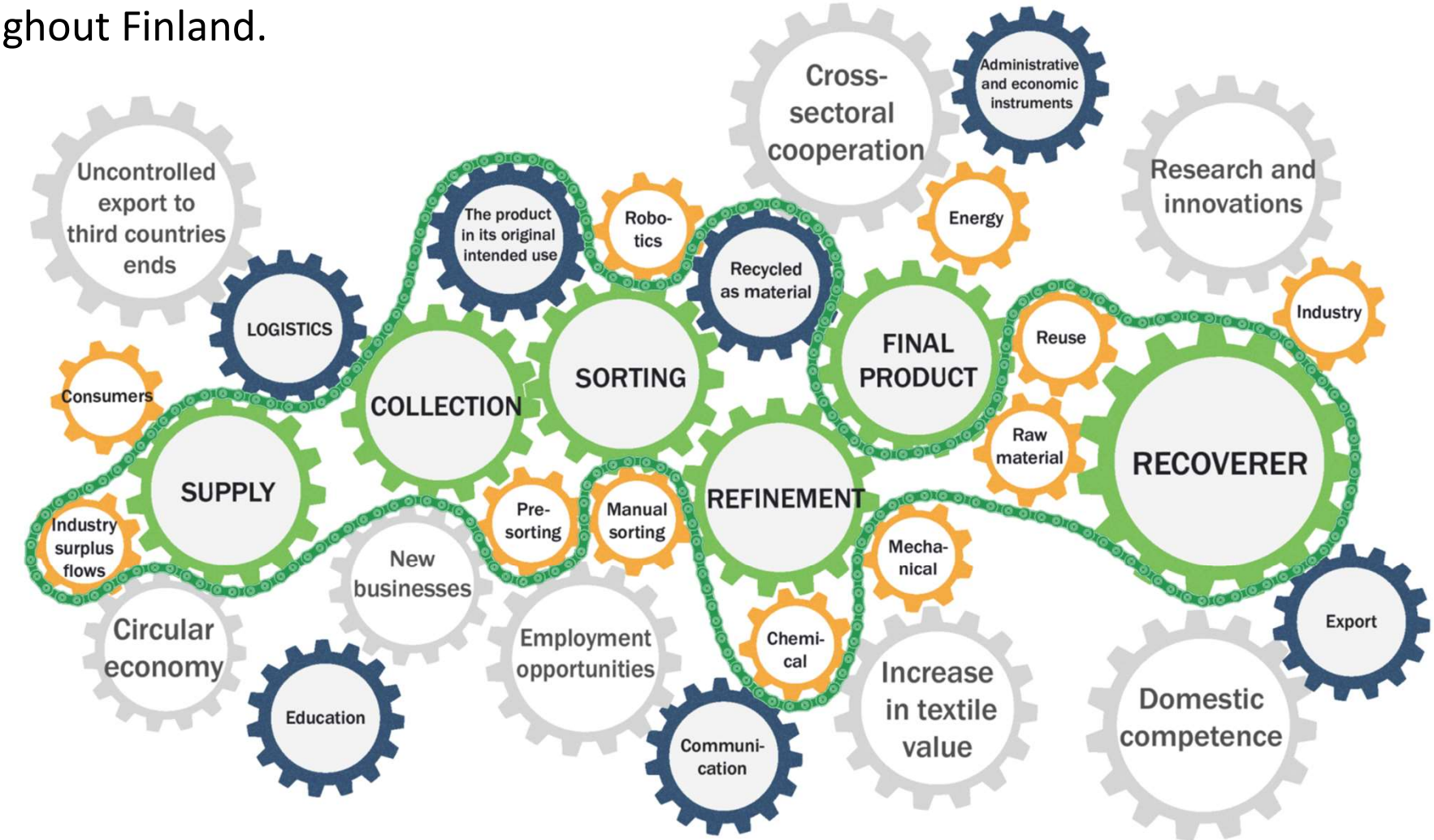
Examples

Sybimar

functional foods forum


Technical loops
in circular economy
PRIMARY SECTOR
MATERIAL PROCESSING
MANU-FACTURING INDUSTRY
DISTRIBUTION
RETAIL
FROM COMPANY TO COMPANY
CONSUMER
USE
Knowledge of the materials and resources
Technical education
Industrial symbiosis
Renewble energy solutions
Recognising the emerging streams
New materials
Eco design
Innovations in construction
Reuse of materials
Stronger clusters
Blue growth
Product as a service
Modular solutions
Maintenance and repair
Attractive business environment
Business cooperation
Control systems for production
Enabling design
Carbon neutrality
Consumer applications
Sharing economy
Remanu-facturing services

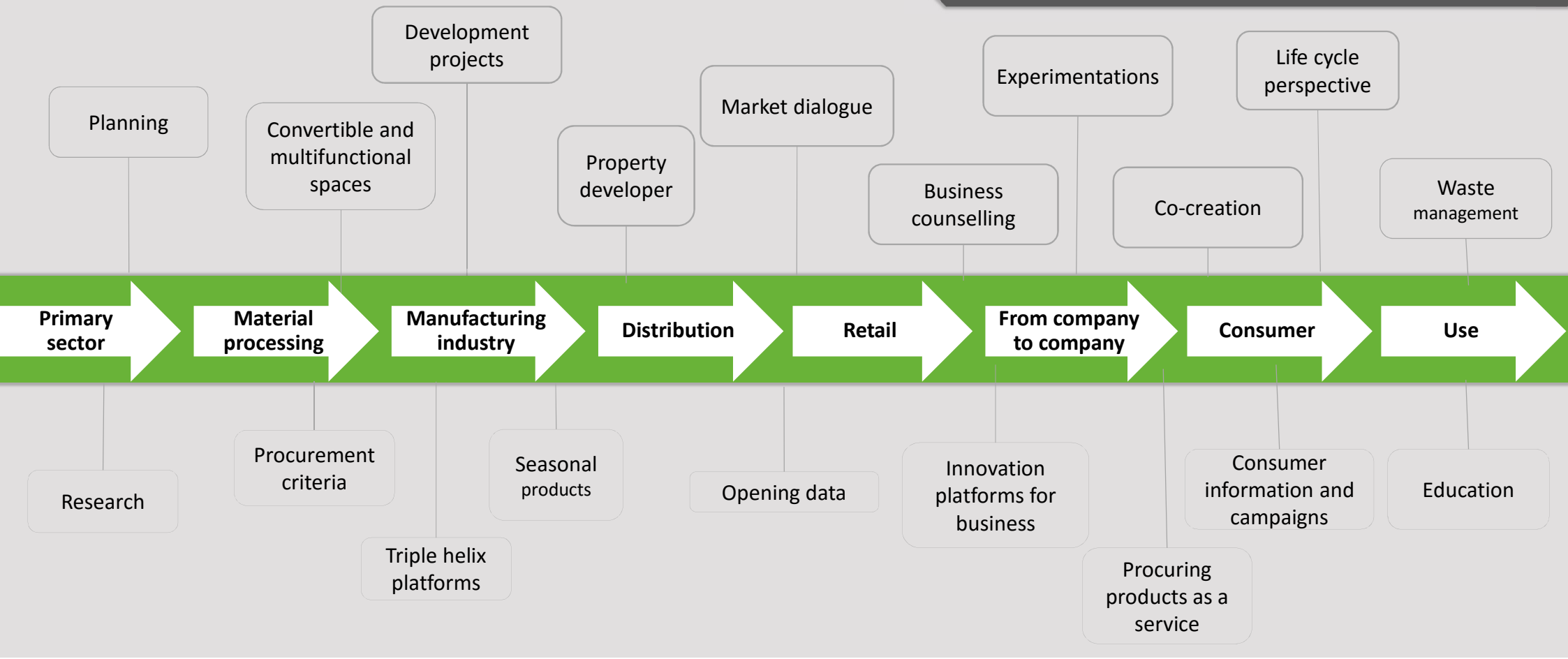
Telaketju is building a post-consumer textile collection and reuse system that extends throughout Finland.



Public sector

as an enabler in circular economy

”The **positive and enabling image** of the area created by public actors and acquisitions creates an attractive and interesting platform for developing enterprises to try their new solutions.”

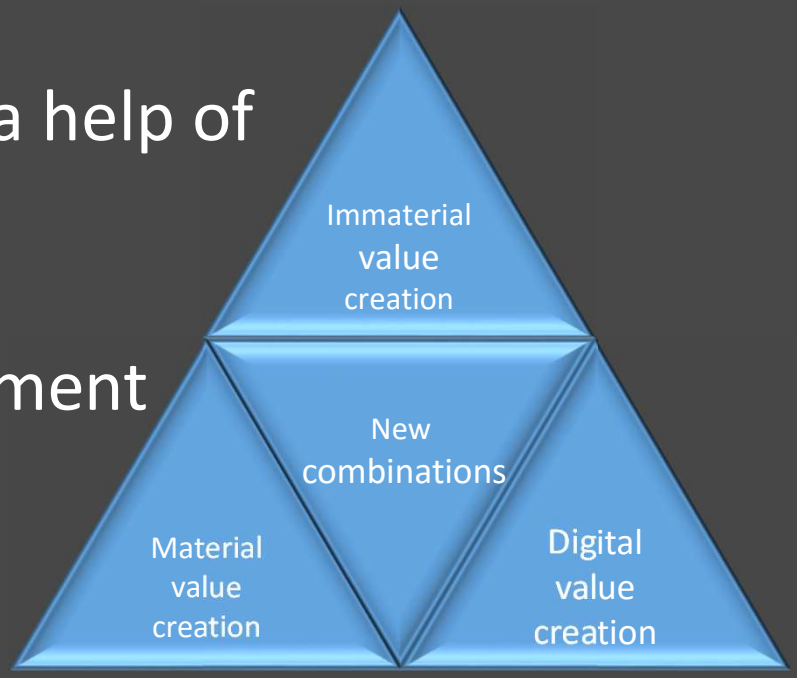


BASTU Turku

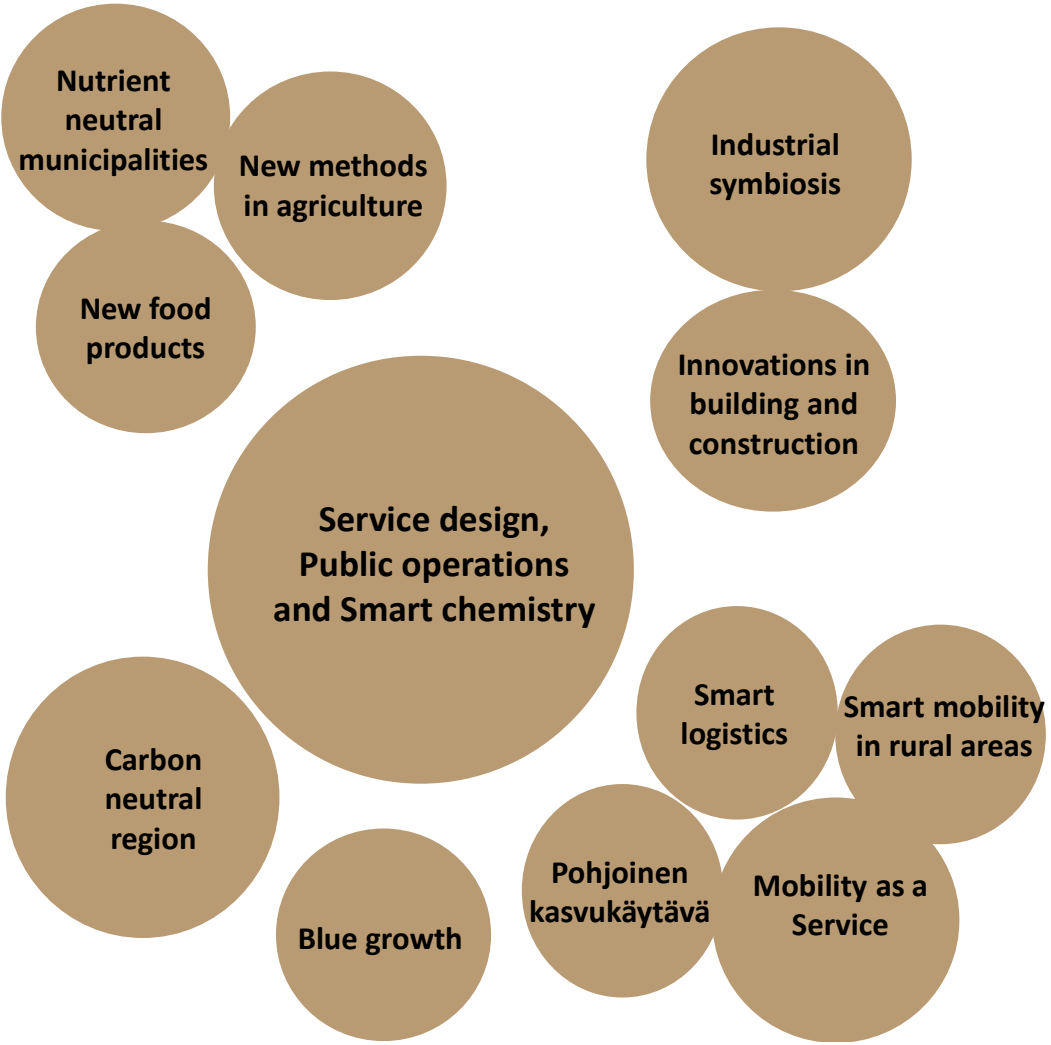
Sixth-wave Business Accelerator

The aiming point of Bastu is in the future:
to search for a series of good decisions with a help of futurologists.

Target-oriented business ecosystem development



And now?



Implementation through stakeholder cooperation

- Identify gaps and bottlenecks
- Activate stakeholders
- Create new partnerships
- Seek for new projects and operations

LIFE15 IPE FI 004

In cooperation:

VALONIA
VARSINAIS-SUOMEN KESTÄVÄN KEHITYKSEN JA ENERGIA-ASIOIDEN PALVELUKESKUS

VARSINAIS-SUOMEN LIITTO
EGENTLIGA FINLANDS FÖRBUND
REGIONAL COUNCIL OF SOUTHWEST FINLAND

TURKU
ÅBO

SITRA