

Deep Demonstration of a Circular, regenerative circular economy in Slovenia

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REPUBLIC OF SLOVENIA
GOVERNMENT OFFICE FOR DEVELOPMENT
AND EUROPEAN COHESION POLICY



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Climate-KIC

To resolve the climate crisis, innovation is essential. But not as we have been doing it.

We need innovation to catalyse **systemic change**.

Policy driven decision making...

...to trigger massive leaps in decarbonisation and resilience.

...across multiple levers of change

...acting simultaneously

4

Sensemaking and feedback loops

We will generate actionable intelligence to impact decision making for the national transition to a circular economy options.

3

Orchestrate a portfolio

We will manage a portfolio of connected innovations, designed to address multiple leverage points. These will combine production systems, education, behaviour, technology, citizen engagement, etc.

1

Establish intent and commitment

The Government of Slovenia have articulated their ambitious and inspiring aim to become the world's first fully circular national economy

2

Define the intervention strategy

We identified 3 pillars and 17 programs of works as systems of intervention across 6 value chains



Circularity in Slovenia - Context

The Slovenian Development Strategy 2030 (objective 8)

Slovenian Smart Specialisation Strategy (being updated)

National energy climate plan 2030

Long term Climate Strategy 2050

Slovenian Industrial Strategy 2021 - 2030

National Environmental Protection Plan 2021 - 2030

Programmes under various EU funds

Systems innovation in Slovenia: what it looks like on the ground

Centre for Smart and Circular Transition

Create circular communities



Circular schools



Circular learning & resources



Circular synergies

Foster circular development



Circular discovery process



Circular performance

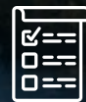


SME circular innovation support

Circular policy design



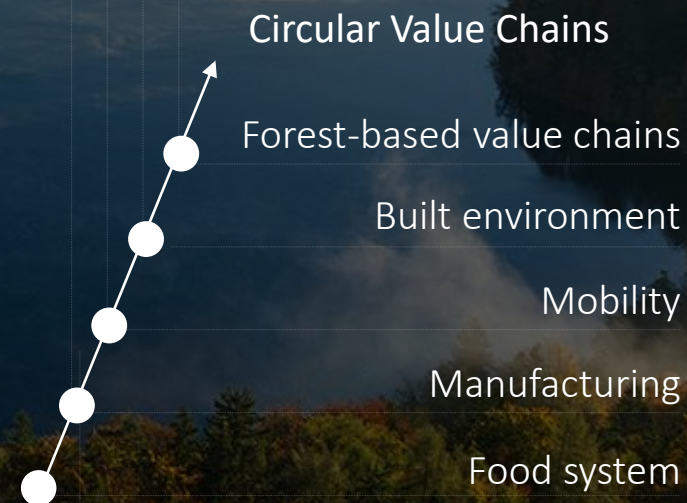
Transitions policy lab



Circular procurement



Circular higher education



Transformation Capital for Circular Economy

Create circular communities



Circular schools

Objective: expose students to circular economy concepts from a young age. Make them part of their country's transition.

Encourage them to work on real-life challenges and apply circular economy thinking.

Equip teachers.

Connect schools.



Circular learning & resources

Objective: Lab for learning, skills development and capacity-building.

Provides opportunities for exchange and skills development via a professional mobility programme, study visits and training opportunities.

As a one-stop-shop for insights generated in the course of the entire demonstration.



Circular synergies

Objective: establish communities of practice to enable learning, and empowerment of local/regional/city actors. Assist in designing comprehensive project ideas to facilitate the transition at regional/local/city level

Foster circular development



Circular
discovery
process



Circular
performance



SME circular
innovation
support

Objective: Source and support innovative start-ups through a streamlined and staged acceleration framework.

Start-ups will be integrated to the overall Slovenia Deep Demonstration activities.

Objective: develop and incorporate tools for circular economy measuring as well as indicators.

Measure how well the objectives of the overall Deep Demonstration for national transition are achieved.

Objective: technical assistance to SMEs. Create a pool of experts. Small grants available. Assigned experts support the identification of barriers to CE models adoption and support the design of appropriate solutions. Link to value chains.

Circular policy design



Transitions
policy lab



Circular
procurement



Circular higher
education

Objective: engage public authorities (national and local) and other relevant stakeholders towards identifying and removing policy barriers to a Circular Economy in Slovenia using the overall Slovenia Deep Demonstration programme as a test bed.

Objective: Source and support innovative framework and dimensions of circular procurement. Present best practices that can be adopted in Slovenia. Assist procurers. Enable suppliers to be fit for the advanced criteria. (Link to [Care4Climate](#))

Objective: support the circular transformation via teaching, research and policy interface. Initiate mainstreaming of CE principles into the HE, facilitate science-based policy/decision-making as well as policy-relevant scientific research. Help the teachers` and students` mobility. (Link to [Care4Climate](#))

Horizontal programmes

The Slovenian Center for Smart & Circular Transition

Objective: anchoring the entire project, engage community → serve as a HUB ((inter)national), living lab to foster innovation

Transformation Capital for Circular Economy

Objective: improved and coordinated use of existing funds (public, private), remove barriers and facilitate engaging investment capital for the transition

Value chains

Objective: support decarbonisation of value chains

Large-scale transformation across value chains

Forestry

Built environment

Mobility

Manufacturing

Food Systems

The objective is to design and implement a deep decarbonization across whole value chains.

Through a competitive process, value chain actors will be integrated into the overall programme activities, while benefiting from specific intervention and innovation support mechanisms.



Increased export
value for the
forestry sector

Market
expansion

More Co2
sequestration



Innovation boost for
related industries

Eco-design and
circular construction

Carbon capture
through wood in
construction



Congestion relief

Lower commute
times

Widespread use
of public
transportation



High quality materials
recirculation

Substitution of fossil-
based feedstocks

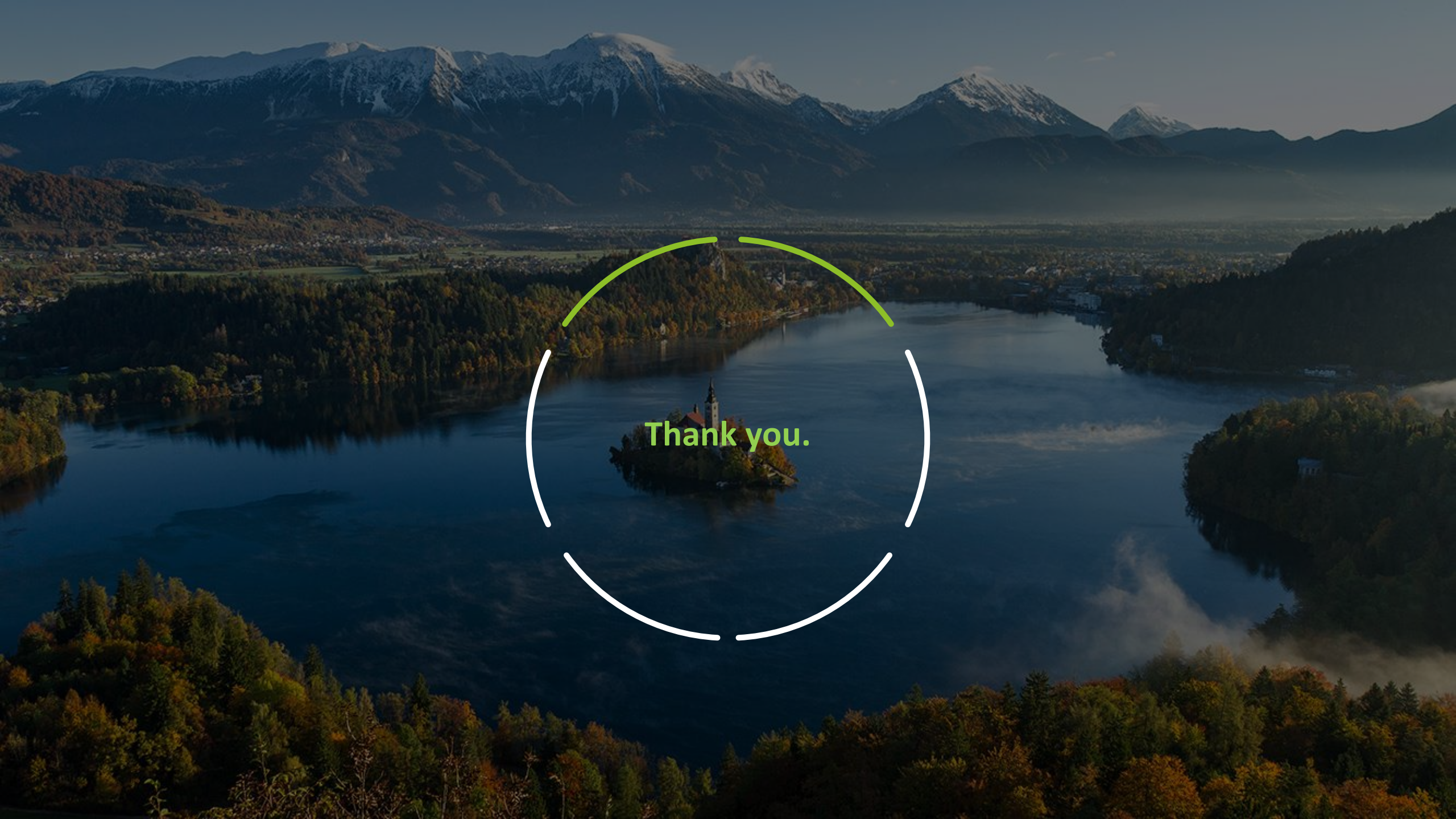
Reduction of primary
raw materials



Low-carbon food
production

Reduced
ingredient
production

Multi-benefit
food supply



Thank you.

Systems innovation in Slovenia: what it looks like in terms of impact

Outputs (2019-2024)

Targeting 5 key Slovenian economic systems

Through activation of:
200 Communities and 1000 Companies

Producing: **120 new products and services launched** on the market, 12 policy action plans, €25m leveraged by Slovenian circular start-ups

Impact:
Transformation
of Slovenian
Economy to
Circularity

Outcomes (2030)

Climate:

50% reduction of waste per capita (cf. 2017)

Avoided 10MT CO₂eq. emissions through industrial production

Economic:

€1bn of additional investment into the Slovenian Circular Economy

Social:

10,000 net new jobs created