Systemic Design Method:

delivering Circular Business Models for regions
RETRACE Interreg Europe Project

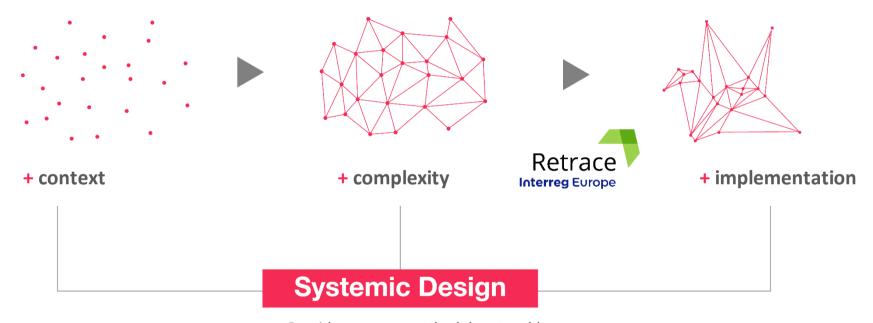
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Circular business models
Policy Learning Platform - Webinar
27th November 2018

+ Anticipatory Actions for Regions



+ Provides a proper methodology to address the complexity in decision making

+ RETRACE project 2016-2020





A Systemic Approach for REgions TRAnsitioning towards a Circular Economy

+ Goal

Aims at promoting systemic design as a method allowing local and regional policies move towards a circular economy when waste from one productive process becomes input in another, preventing waste being released into the environment.



Methodological tools for regions

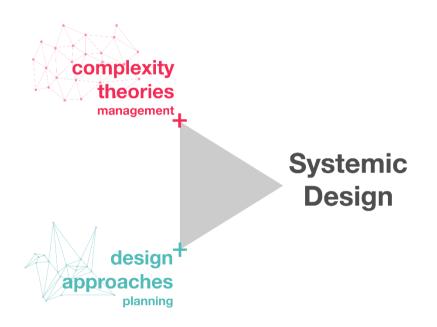


Exchange of Good Practices



Implement and Monitor 5 RAPs

+ Background Methodology





output > input

The outputs (wastes) of a system become the inputs (resources) of another one.



Relationships

The relationships developed within the system generate the open system itself.



Autopoiesis

The autopoietic open systems are selfsupported and reproduced, and they evolve together.



Act locally

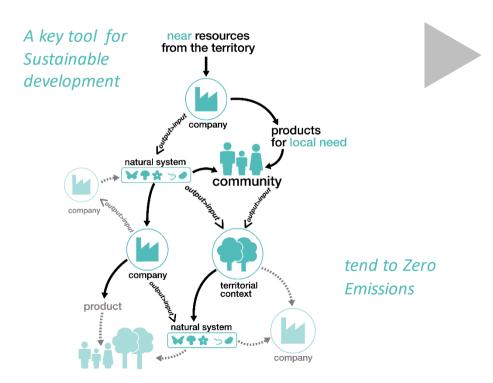
The operational context is prioritised.



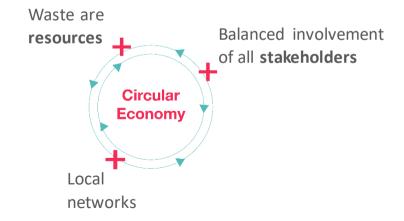
Man at the center

The relationship between man and context is the heart of the project.

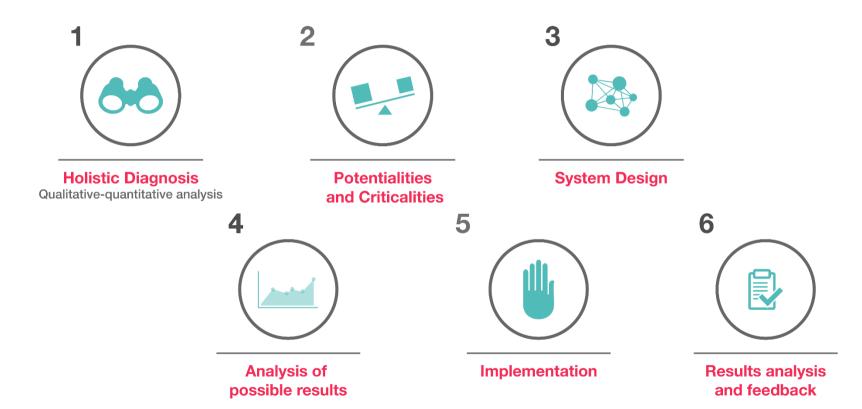
+ Systemic Design towards Circular Economy



The **Systemic Design** approach provides a **holistic overview** which supports the creation of strategies to enhance future productive systems on transitioning towards a **Circular Economy**.



+ RETRACE project methodology



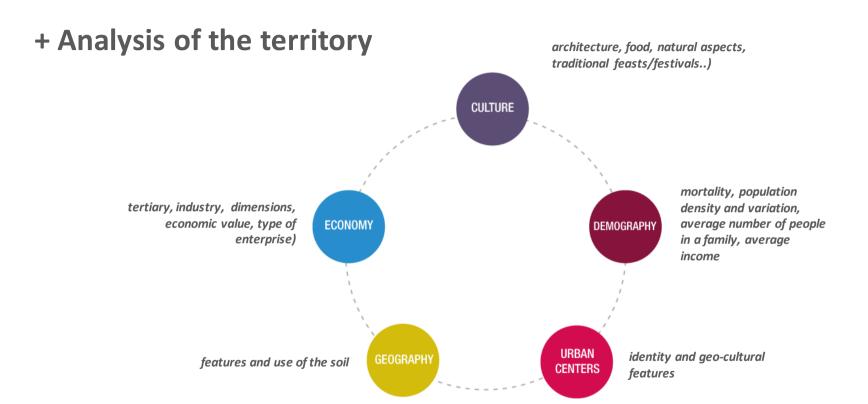
+ Holistic diagnosis

The aim of the Holistic Diagnosis is to assess the regional framework conditions in order to identify policy gaps and potential opportunities upon which to build supportive policies.

Potential connections will be assessed at two different levels:

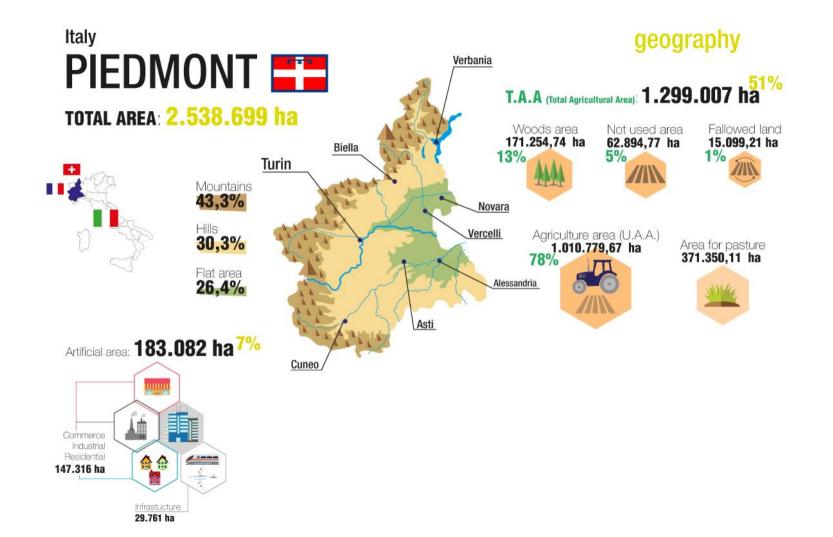
- Territory: water management, urban waste, energy and environment
- Economy/Industrial sectors: each region will select 3 sectors to assess the
 potential synergies at the systemic level with other sectors or processes at
 regional/interregional level.

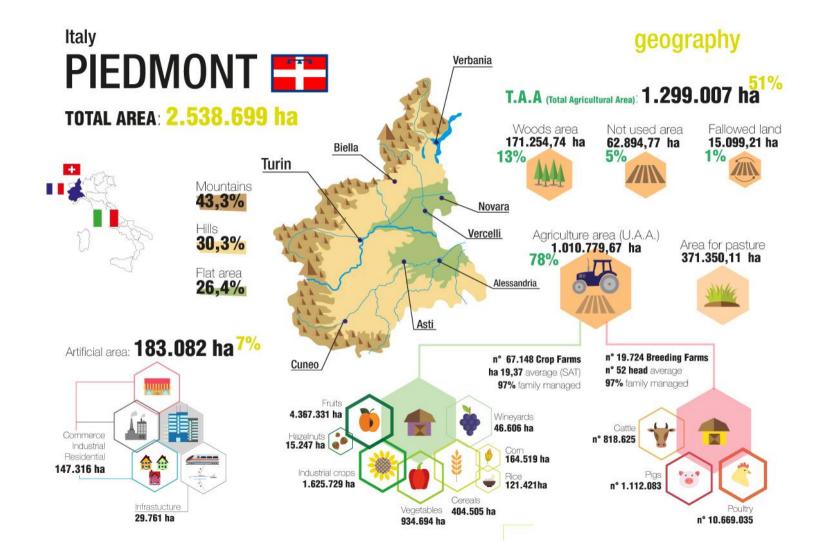
The Holistic Diagnosis should allow each region to better target the **nature and scope** of good practices of interest to the region.



Italy PIEDMONT === Verbania TOTAL AREA: 2.538.699 ha Biella Turin Mountains Novara Hills 30,3% Vercelli Flat area **26,4%** Alessandria Asti Cuneo

geography

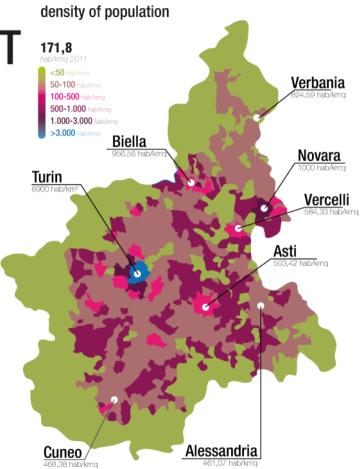




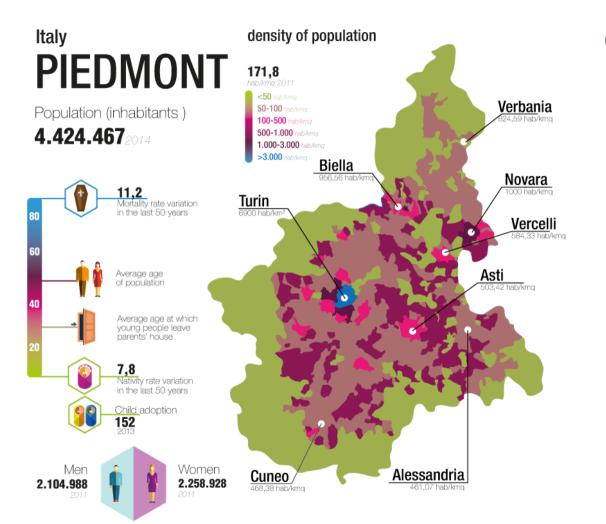
PIEDMONT

Population (inhabitants)

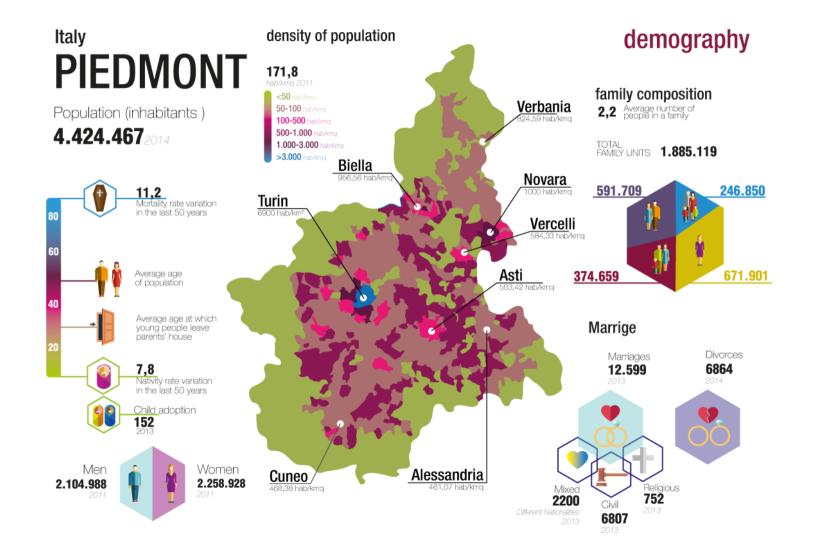
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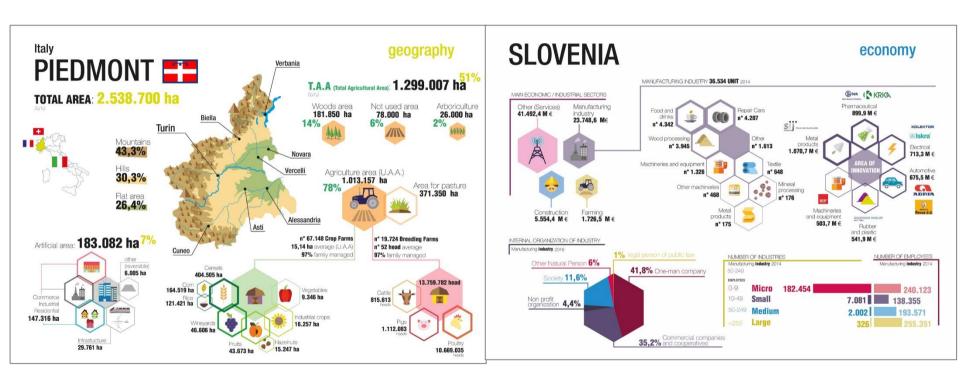


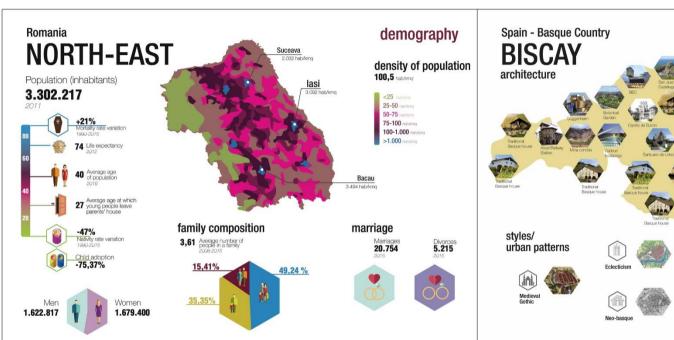
demography



demography









+ Success factors



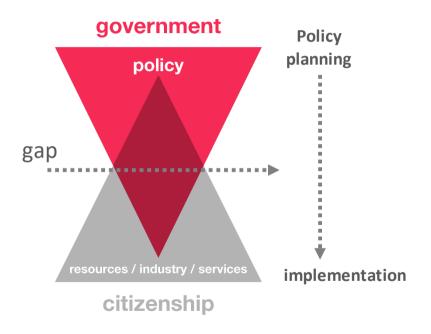
Value chains

For regions

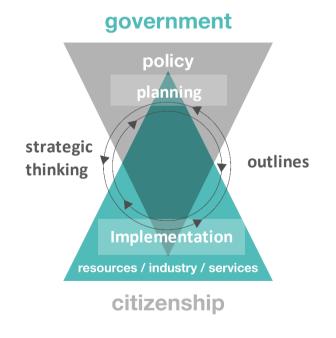
- Accelerates the realization of Systemic Design projects towards an Circular Economy in Europe
- Increases the exchange of Good Practices
- Encourages theoretical and practical debate on Systemic Design and Circular Economy between universities, businesses and public bodies

+ Success Factors

+ Classic top-down approach



+ Policy Design Bottom-up approach



+ Limitations of the Approach

- 1. Cultural / Lenguage barriers (english vs native lenguage)
- 2. Data accesability
- 3. Policy Barriers
- 4. Vertical Governance approach
- 5. Traditional business structure
- 6. Lack Knowledge concerning Circular Economy

+ Advantages for main actors

+ For Policymakers

Delivers a

tool for better

development.

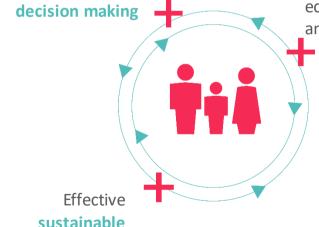
New scenarios of economic profit and cooperation.

Territorial thinking part of pan-European policy towards circular regions.

+ EU level

Supporting key policy instruments for the EU Commission such as the Cohesion Policy.

Model for policymakers in other regions with common **Policy Gaps** towards a CE.



Thank you! Follow #RETRACE www.interregeurope.eu/RETRACE/

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