Textiles and Timber

# **Eurodelta Corridors**

## Circular Strategies for Resilient Living

### Topic

Europe's circular transition faces challenges from population growth and resource constraints. Despite policies like the WFD and Green Deal, barriers in scale, materials, and mindset persist. Construction alone generates 35% of EU waste, but better material efficiency could cut emissions by 80%. This study explores textiles and timber as sustainable solutions in the Eurodelta by though recycling gaps and funding remain hurdles. Circular infrastructure corridors. Sea-Rhine-Mediterranean connectivity, enhance corridor, and sustainable material use. innovation,

### Goals

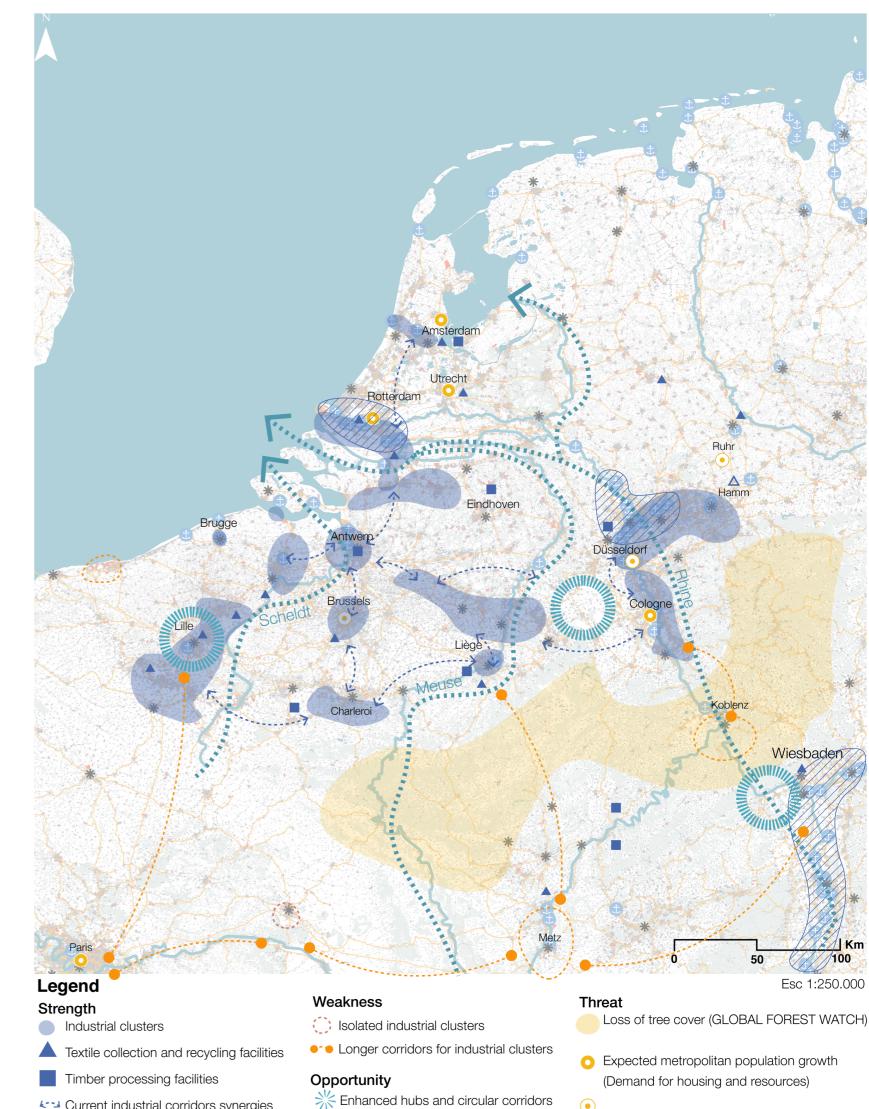
- Investigate textile waste flows into insulation and timber's role in sustainable construction through a literature review.
- Analyze spatial and logistical needs for textile recycling hubs and timber facilities in the Eurodelta.
- Develop strategies for a circular Eurodelta by 2050, combining literature, fieldwork, and expert insights.

### Questions

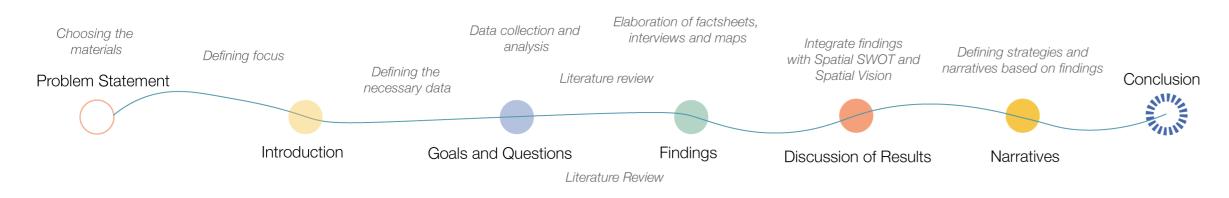
- How can textiles be effectively repurposed as insulation materials in timber-framed buildings to enhance energy efficiency and reduce waste?
- and logistical → What spatial is infrastructure required to align textile recycling and timber production within a circular built environment in the Eurodelta?
- What are the economic and technical challenges of integrating textile insulation with timber structures, and how can these be addressed?

# Import

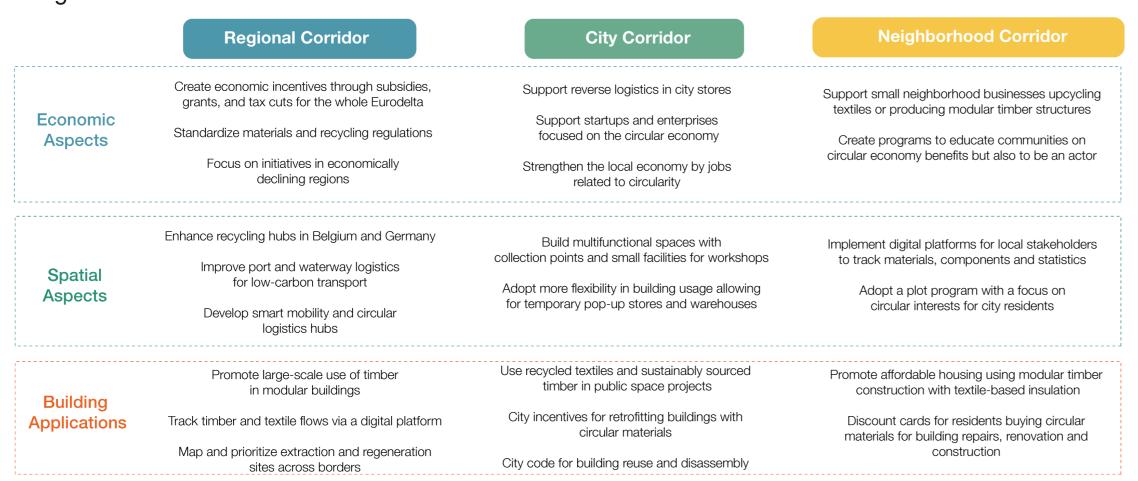
### Spatial SWOT



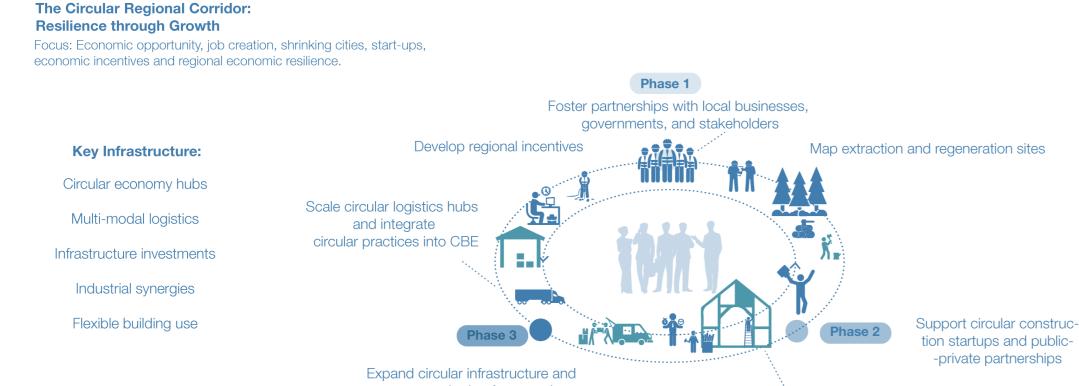
Methodology



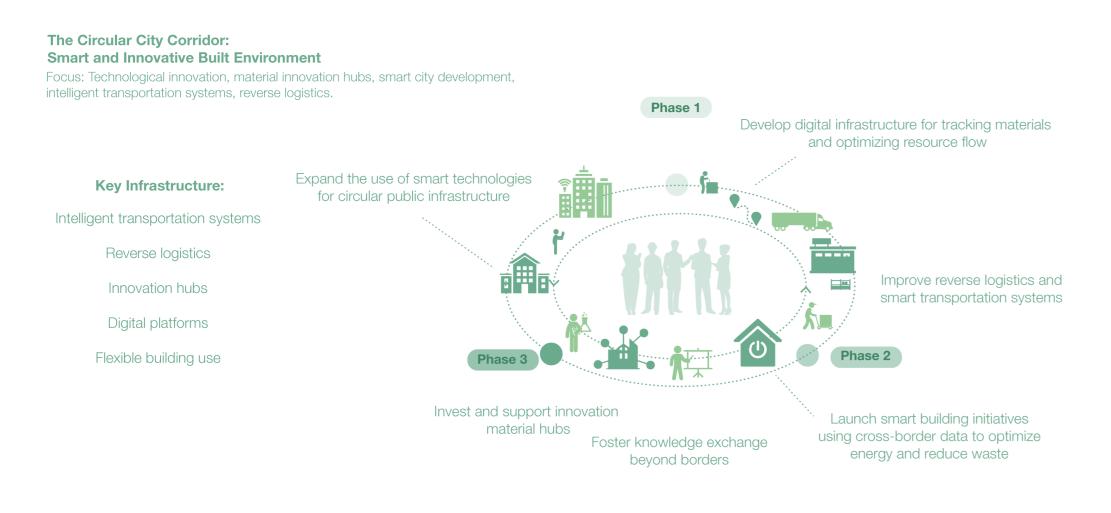
### Strategies



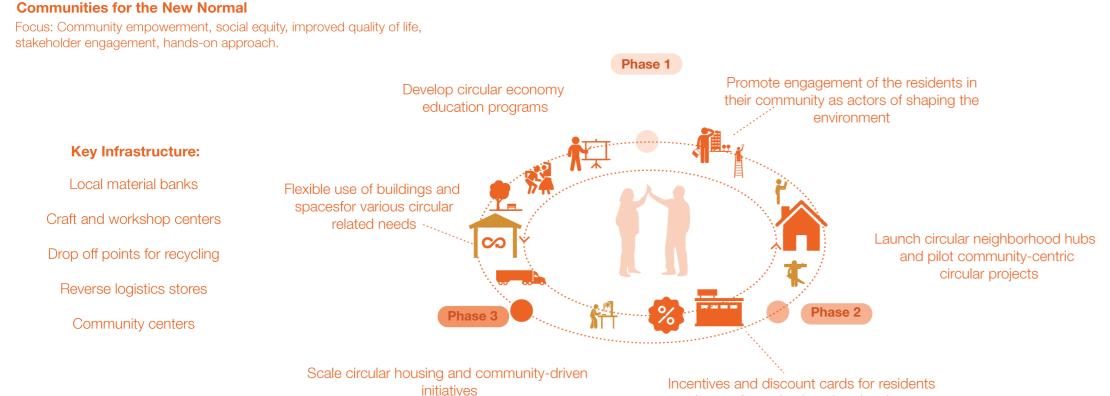
### **Narratives**



resource-sharing frameworks Launch textile and timber recycling hubs and pilot construction projects





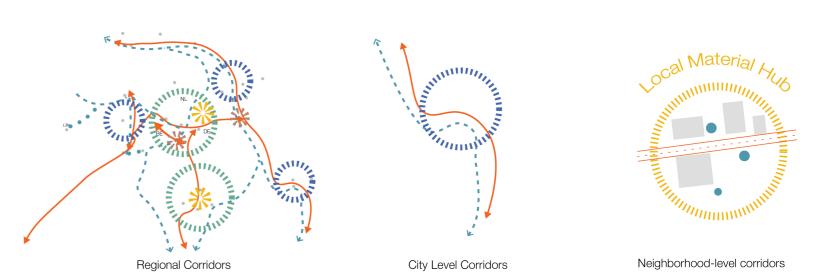


that perform circular related actions

### **Spatial Vision**

Ports clusters

Current industrial corridors synergies



Enhanced water-based circular corridor

Expected metropolitan population loss

(Shrinkage of cities, economic decline)

