

An aerial photograph of a circular park. In the center is a dark blue fountain with a white, multi-tiered structure. The fountain is surrounded by a circular walkway with a light-colored border and a central area of small, reddish-brown plants. The park is surrounded by green grass and several trees with yellow and green foliage. A paved road with white parking lines is visible on the right side. The overall scene is captured from a high angle, looking down on the park.

Circular challenges in Denmark - and how we address them

Ditte Vesterager Christensen, senior advisor, Capital Region of Denmark
30 September 2021

Agenda

- Challenges in Denmark
- LIFE Project: Circular Economy Beyond Waste
 - Circular Public Procurement
 - Citizens' Assembly





© Unsplash

Circular challenges in Denmark

Material hotspots



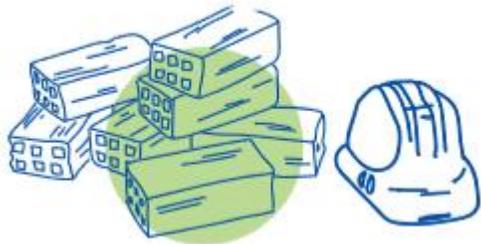
Food, water & nutrients



Electronics and ICT



Batteries & vehicles



Construction & buildings



Textiles



Plastics



Packaging

Material hotspots



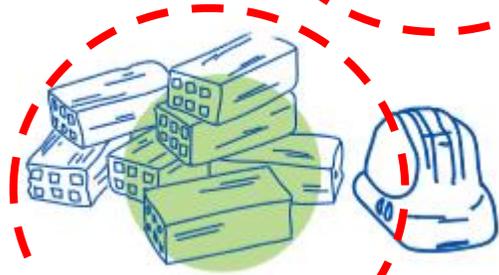
Food, water & nutrients



Electronics and ICT



Batteries & vehicles



Construction & buildings



Textiles



Plastics



Packaging

Material hotspots



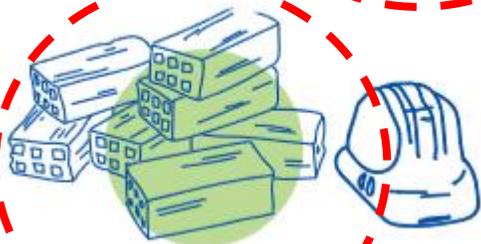
Food, water & nutrients



Electronics and ICT



Batteries & vehicles



Construction & buildings



Textiles



Plastics



Packaging

Among the top consumers in EU



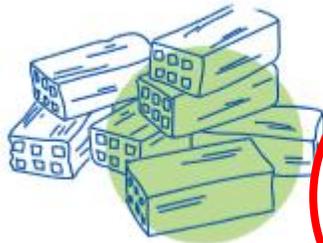
Food, water & nutrients



Electronics and ICT



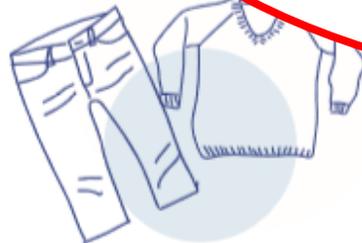
Textiles & vehicles



Construction & building

Material consumption 24 ton/capita/year
(EU average 13,3 ton)

Waste generation 816 kg/capita/year
(EU average 492 kg)



Textiles

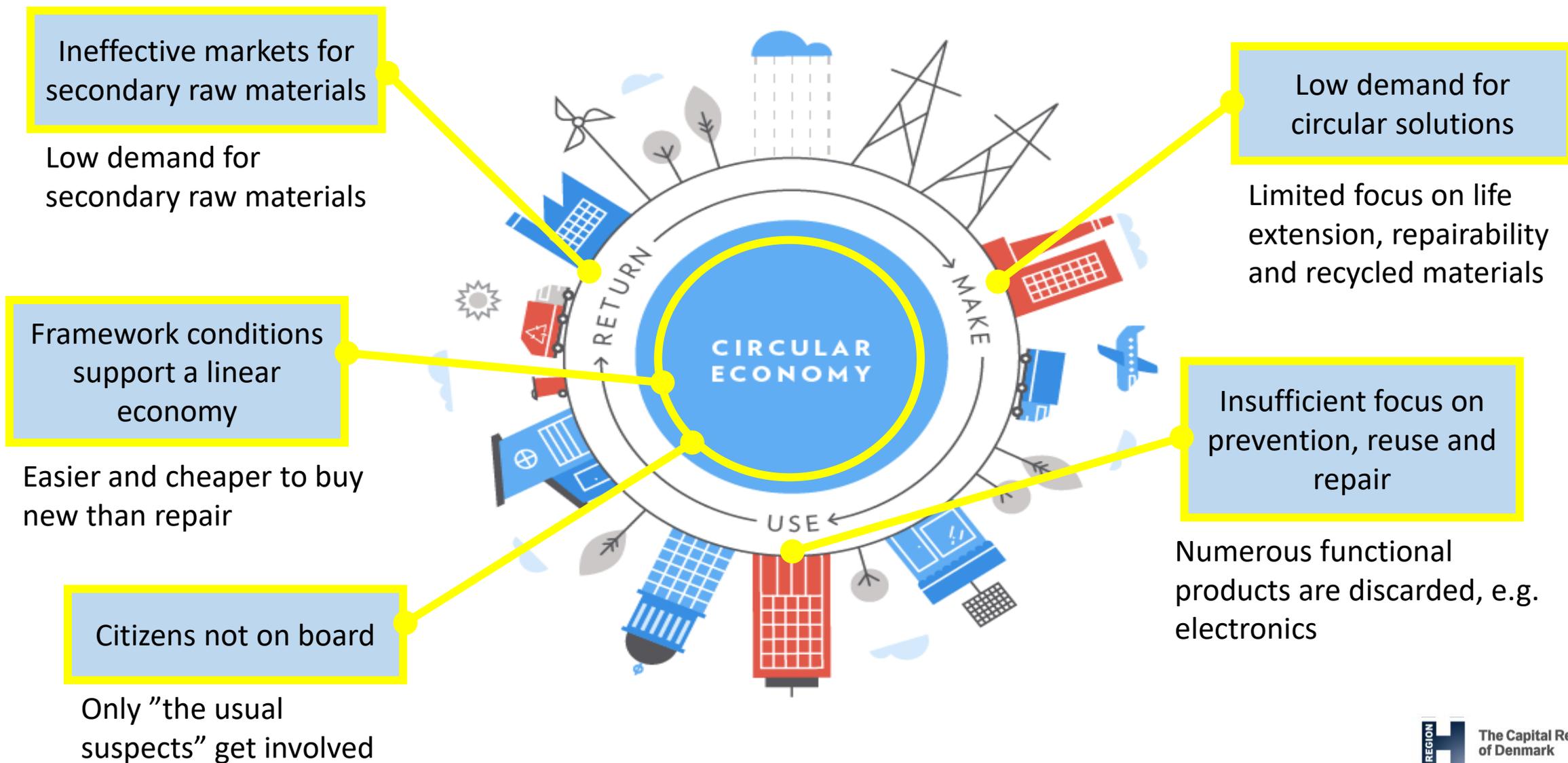


Plastics



Packaging

Systemic hotspots





© Unsplash

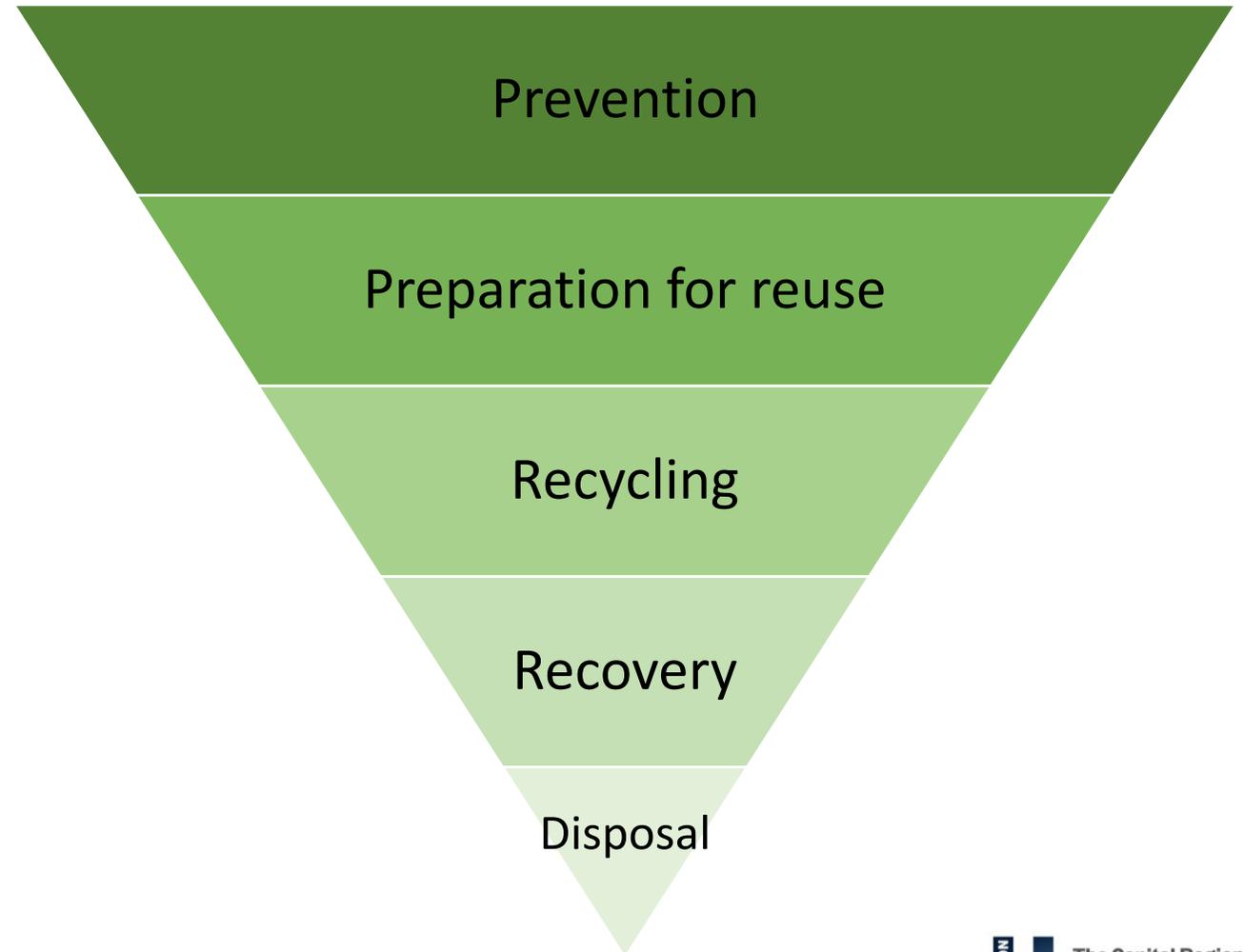
Circular Economy Beyond Waste

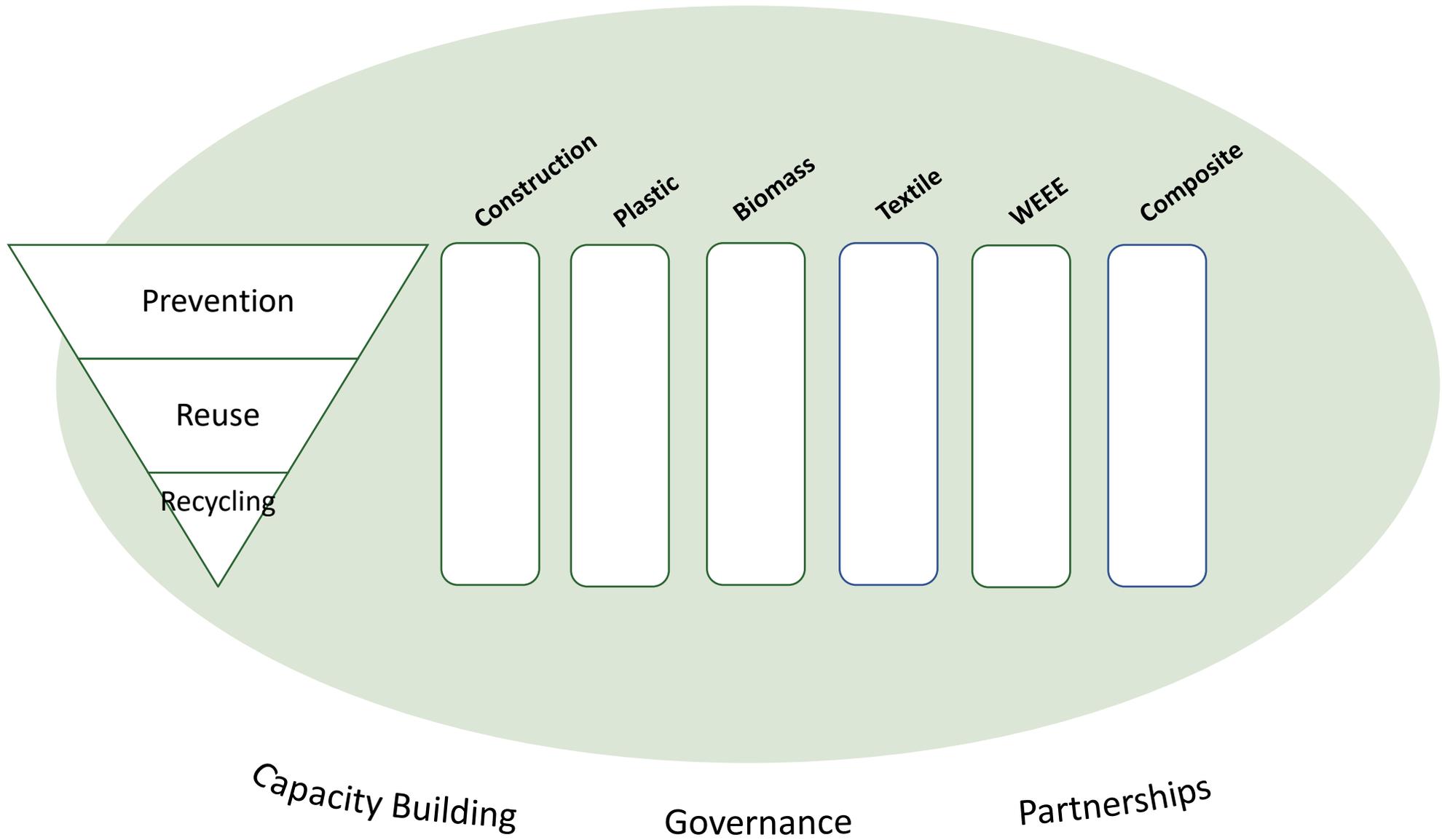
Circular Economy Beyond Waste

- LIFE Integrated Project
- 40 project partners
- 2022-2029
- Implementing the **national action plan for circular economy**

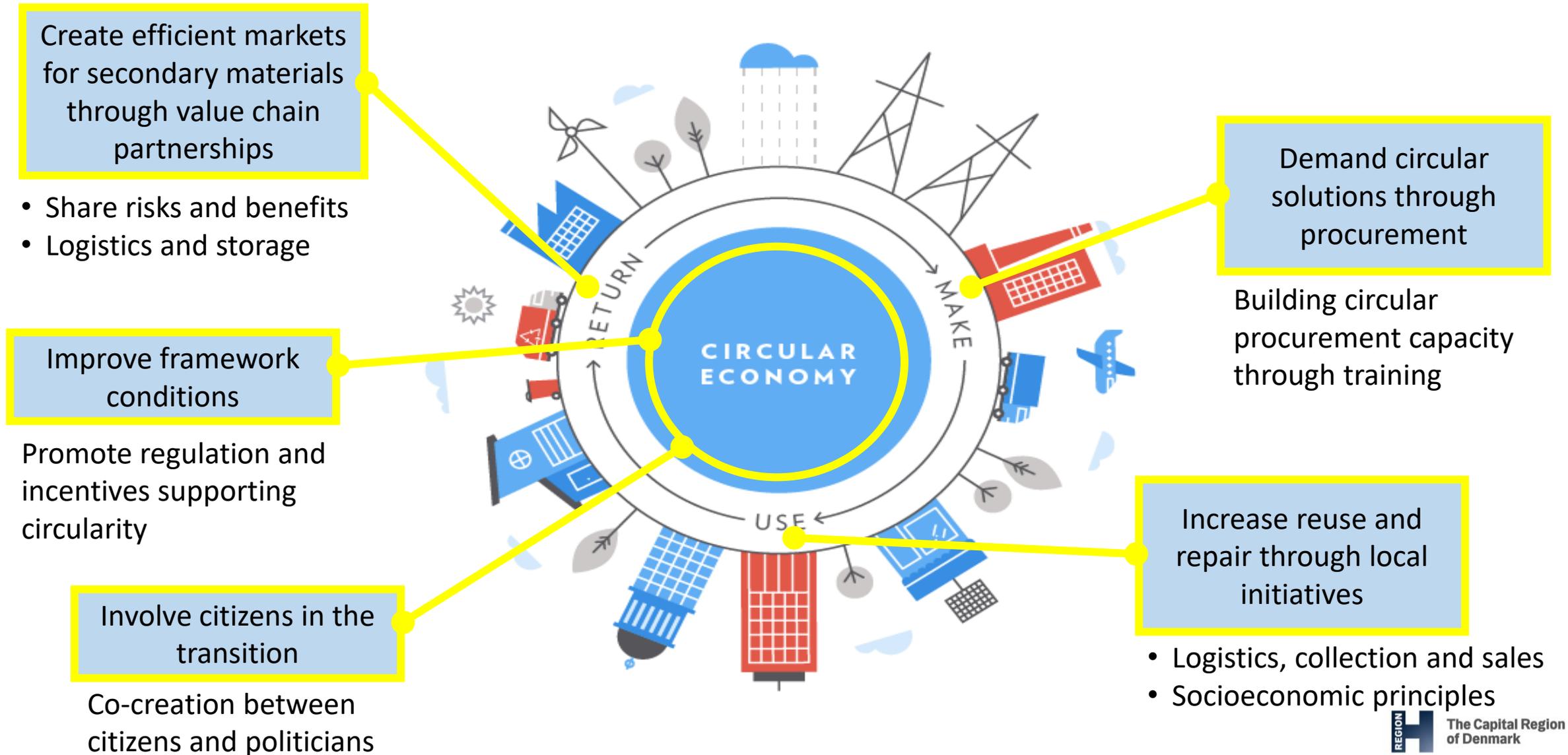
Objectives

1. Waste prevention
2. Circular waste management
3. Framework conditions





Enable regions and municipalities to...



Procuring for a circular economy in municipalities

Gentofte Municipality

Timeframe: 2022-2029

Objectives

- Upgrade municipal procurement departments in terms of circular economy understanding and circular public procurement (CPP)
- Enable them to integrate CPP in their daily practices, create awareness of CPP potentials and perform circular tenders
- Emphasis on environmental and economic benefits – how to estimate and communicate them



Hands-on tools and procedures



- Develop roadmap for CPP
- Develop hands-on tools, incl. TCO-calculations, LCA-databases, monitoring tools, etc. (aggregate existing knowledge to be functional)
- Facilitate strategic change management: Establish the political mandate, and cross-departmental cooperation
- Informing and training procurers and decision-makers through education modules

Citizen involvement: Challenges and opportunities

Challenges in Denmark

- Resource intensive consumption patterns
- While Danes find sustainability important, a majority oppose political measures that interfere with private consumption

Why deliberative processes?

- Profound and rapid behavioral changes are needed
- Behavioral sciences: Requires changes in societal structures that shape consumption
- Evidence shows: Deliberative processes lead to political decisions that are bolder, more well-informed and have higher democratic legitimacy

Objectives

- To develop and demonstrate **”next generation citizen empowerment”**
- Citizens become co-creators of the framework for behavior and consumption

Citizens' Assembly on responsible consumption

Timeframe: 2022-2025

Partners

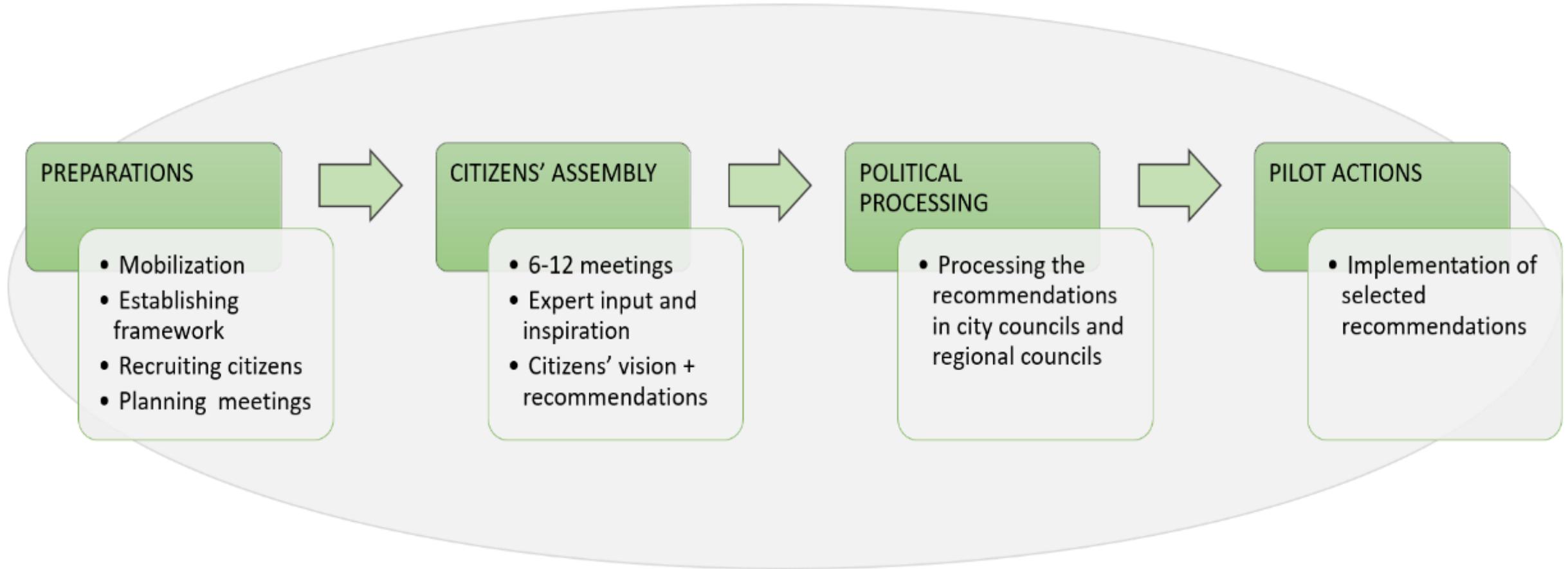
- Capital Region (lead), Region of Southern Denmark
- 4 municipalities
- We Do Democracy

Citizens' Assembly

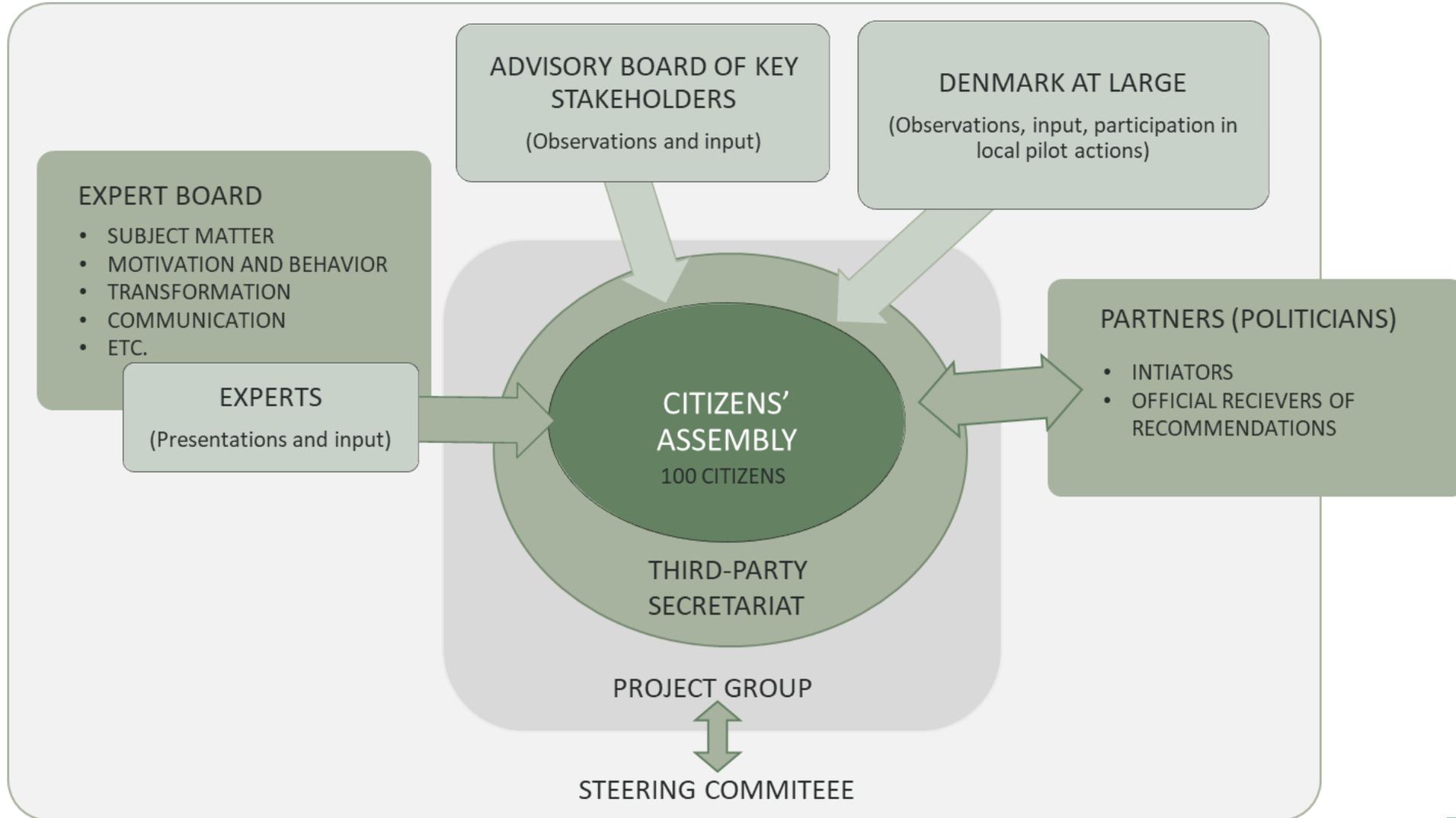
- 100 citizens from across Denmark who will meet 6-12 times
- **Develop a vision** of a meaningful life with responsible consumption
- **...and recommendations** for political actions that support the realization of the vision
- The **recommendations will be processed** in 6 city and regional councils
- Selected recommendations will be **implemented in practice** in the municipalities and regions



Process



Organisational setup





Thank you for listening

Questions?

dvc@RegionH.dk
