ICLEI - Local Governments for Sustainability is a global network of more than 1,750 local and regional governments committed to sustainable urban development.

Active in 100+ countries, we influence sustainability policy and drive local action for low emission, nature-based, equitable, resilient and circular development.

Our Members and team of experts work together through peer exchange, partnerships and capacity building to create systemic change for urban sustainability.
ICLEI AROUND THE WORLD

Serving our network from 22 offices around the world
The FIVE ICLEI PATHWAYS reflect ICLEI’s approach to achieving a sustainable city as well as local contributions to implementing the goals laid out in international frameworks such as the Sustainable Development Goals. Any of our individual projects or initiatives can be oriented along one or more specific pathways. We also look at how the pathways connect to bring about change in an INTEGRATED way. For example, we consider how nature-based development contributes to resilience, or how to bring equity into low emission development.
CIRCULAR DEVELOPMENT PATHWAY

THE 5 PATHWAYS: HOW THEY ADVANCE THE SUSTAINABLE DEVELOPMENT GOALS

LOW EMISSION DEVELOPMENT
3 7 8 9 10 11
12 13 17

NATURE-BASED DEVELOPMENT
1 2 3 8 10 11
12 13 14

CIRCULAR DEVELOPMENT
6 10 11 12 13 14 17

RESILIENT DEVELOPMENT
1 2 7 9 10 11
13 14 15 17

EQUITABLE AND PEOPLE-CENTERED DEVELOPMENT
1 2 3 5 6 10
11 12 13 14 15 17
Material extraction has fueled economic growth since the industrial revolution...

Absolute decoupling not evident – what now?

Source: UNEP (2011) after Krausmann et al. 2009, adapted by Circle Economy
DECOUPLING EFFECTS

How to achieve resource- and impact decoupling?

End of the pipe technologies and increased innovation and technology -> limited decoupling impact

Holistic, systemic solutions!

Materials serve societal needs
Understanding these needs and the associated resource flows is crucial for a socio-ecologically centred CE

CITIES ARE KEY

1.2% of the earth's surface
55% of global population
75% of energy consumption and CO2 Emissions

60% of global material use
100 of the largest cities =
30% of the global GDP
ICLEI’S VISION FOR CIRCULAR CITIES

- **A city of circular integration:** where circular principles are applied across all city functions.

- **A city that generates and retains value:** where innovative design and production methods, service-based business models and consumption behaviour prioritise maintaining the value and utility of assets.

- **A city of closed loops:** where products and materials are kept in use, and waste and harmful resource use is minimised.

- **A liveable city:** of low-emissions, regenerated natural systems and improved human health and wellbeing.
LOCAL GOVERNMENT LEVERS

- **VISION** – common vision through roadmaps or strategies that give direction to the local circular transition.

- **ENGAGEMENT** – local governments have a privileged role as facilitator between public, private and civic leaders, which can be used to convene and partner with others in co-creation of the shared system change.

- **URBAN MANAGEMENT** – Under the mandate of urban management, cities can enshrine circularity in urban planning and asset management, and can also leverage their own public procurement.

- **ECONOMIC INCENTIVES** – To accelerate implementation, local governments should use economic incentives including financial support such as grants, subsidies, or public-private partnerships to shape the market in favour of circularity.

- **REGULATION** – should enshrine the political commitment and enabling conditions for a circular economy. Cities should inform and work with national and international institutions to support this effort (multi-level governance).
City Loops (H2020)

EU funded five-year project (H2020 Innovation action), 28 partners, from 8 EU countries, starting in October 2019, pilot cities: Apeldoorn (NL), Bodø (NOR), Hoje Taastrup (DK), Mikkelø (FI), Porto (PT), Roskilde (DK), Seville (ES)

Objective: To develop, implement, and replicate a series of innovative urban planning approaches and instruments, aimed at facilitating closing the loops of urban material and resource flows and promoting the transition to a circular economy (CE), thereby reducing the environmental footprint, increasing regenerative capacities, and stimulating new business opportunities and job creation in European cities.

The City Loops project will deliver (key outcomes):

- A series of demonstrated public authority tools, procedures, and processes designed to promote circularity for construction & demolition waste (CDW)/soil and organic waste (OW) – accompanied by implementation and evaluation reports
- Replication plans for the measures in further cities
- An urban circularity assessment methodology, and decision support dashboard
- A circular procurement handbook
- CE recommendations for European and national policy makers
GREEN CIRCULAR CITIES COALITION

THETMATIC WORKING GROUPS

CITIES

SOLUTION PROVIDERS

KNOWLEDGE PARTNERS

STEERING COMMITTEE

COALITION SECRETARIAT

URBAN SPATIAL PLANNING AND GOVERNANCE

GREEN/CIRCULAR PUBLIC PROCUREMENT AND GREEN SUPPLY CHAIN

CIRCULAR INDUSTRIAL PARK (INDUSTRIAL SYMBIOSIS)

MUNICIPAL RESOURCE MANAGEMENT

BUILDINGS AND CONSTRUCTION

WATER-FOOD-ENERGY NEXUS
Circular Turku

“In Turku we are committed to a circular, resource wise future with zero emissions, zero waste, a low ecological footprint and the sustainable use of natural resources” (Minna Arve, Mayor of Turku)

- **Strategic set-up:** City strategy; SECAP; Master Plan 2029; Energy Efficiency Agreement; Land-use, Transport and Housing Agreement; Southwest Finland Waste Management Policy Programme
- **Objectives:** Reduce environmental impacts; influence local, national and EU governance; achieve socio-economic impacts; level of action of related initiative, scaling-up accross the region and the country
- **Focus:** Food value chain and nutrient cycle, energy systems, buildings & construction, water cycles
- **Vision:**
  - Ambition: Strong leadership for an all-encompassing CE transition
  - Integration: CE as enabler of broader sustainability goals
  - Collaboration: bottom-up approach seeking support from all actors in the region
  - Inclusion: placing social inclusion at the center of the CE transition
“Amsterdam...thriving and equitable city, ensuring a good life for everyone within the Earth’s natural boundaries, where prosperity and wellbeing for everyone come first.”

- **Strategic set-up:** 4 components (Doughnut, strategy, implementation plan & monitor)
- **Objectives:** End to waste, more is less, climate neutrality, preserving value, opportunities for front runners, global support and dynamic between green and social
- **Focus:** value chains: Food & organic waste streams, consumer goods & built environment
- **Ambition**
  - Short food chains provide a robust sustainable food system
  - Healthy and sustainable food for Amsterdam
  - High quality processing of organic waste streams
  - The City sets the right example by reducing its consumption
  - Caring for our natural resources together
  - Amsterdam makes the most of discarded products
  - The transition to circular development requires a joint effort
  - The City sets the right example by formulating circular criteria
  - A circular approach to the existing city
CLOSING

1. ENVIRONMENTAL
   a. self-sufficiency for raw materials
   b. waste generation
   c. recycling rates
   d. contribution of recycled materials to raw materials demand
   e. reduced emissions
   f. land use

2. ECONOMIC
   a. trade in recyclable raw materials
   b. private investments
   c. jobs
   d. gross value added
   e. green public procurement

3. SOCIAL
   a. skills & training opportunities
   b. capacity building
   c. gender equality
   d. community benefits
   e. stakeholder engagement

Circular processing ladder:
- Refuse
- Rethink
- Reduce
- Reuse
- Repair
- Refurbish
- Remanufacture
- Repurpose
- Recycle
- Recover
CONTACTS

ICLEI EUROPE

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