

The role of local governments in promoting lifecycle approaches

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**CIRCULAR
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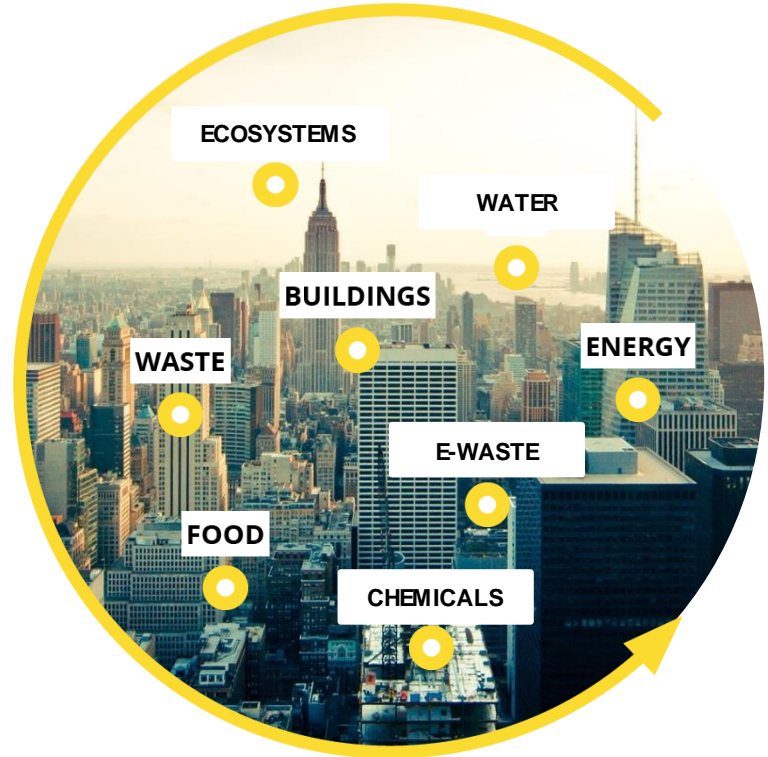
Cities and supply chains

Cities impact supply and value chains in complex ways
– not just in the last mile or at the end of the pipe:

- Cities as **demand hubs** for products and infrastructures
- Cities as **procurer** of products, works and services
- Cities as platform for **local value chains**

Through these different roles, cities have far-reaching environmental impacts and are responsible for **75% of global resource consumption**.

Yet too often, these complex sources of impacts are not acknowledged or measured solely if they take place **within cities' territorial or administrative boundaries**. Impacts monitoring also tends to focus on carbon emissions only.

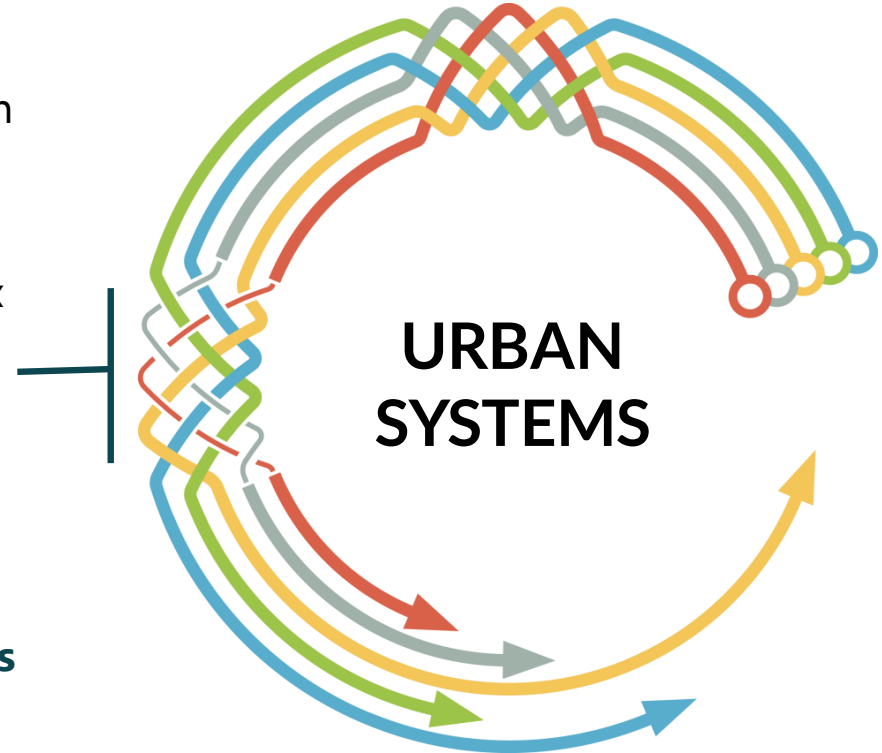


Analyze: Lifecycle tools for cities

Initially designed as a product-oriented approach, the scope of analysis of LCAs can now be applied to meso-levels such as cities and regions.

Lifecycle tools exist to capture the complex interactions between resource flows within urban systems, raise awareness among stakeholders and inform local policies:

- **Ecological footprints**
- **Environmentally extended input-output analysis**
- **Economy Wide Material Flows Analysis**
- **Territorial LCAs**



Action: Circular Public Procurements

Key criteria:

- Durability
- Resource efficiency
- Reuse and refurbish
- Recycling
- Buy recycled

Life-cycle costing

Also referred to as total costs of ownership, LCC aims at assessing **all costs associated with the life-cycle of a product or infrastructure** that are directly covered by one or more actors in the product life-cycle, with the inclusion of **externalities** that are expected to be internalised.

For more information: GLCN, Procura+



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