



Design of Recycling Systems

DESIGN OF LOCAL RECYCLING SYSTEMS WITH SOCIAL INCLUSION

KEY WORDS

MUNICIPAL
RECYCLING SYSTEMS,
WASTE RECOVERY,
SOCIAL AND LABOR
INCLUSION

DESCRIPTION

Capabilities for designing socially inclusive recycling systems (LRS) in small and medium-sized cities, based on two main principles: strengthening waste management systems through community involvement; and collaborating on social policies that promote employment by including waste pickers. The design encompasses all stages of the recycling system (environmental education and communication, collection systems, processing, waste valorization, and marketing), taking into account the limitations and potential of each region. Furthermore, based on waste valorization, we consider business models that promote the social inclusion of waste pickers and strengthen social policies for employment inclusion.

Through participatory techniques that promote collaboration between key actors (governments, public sector, recyclers and private actors), the traditional linear view of waste management is progressively overcome, moving towards a circular economy approach focused on the recycling of inorganic waste, such as plastics.

APPLICATIONS

- Technical and organizational consulting for public and private circular economy entities.
- Strengthening institutional capacities.
- Monitoring and evaluation of municipal and provincial public policies and/or integrated solid waste management systems.
- Environmental education.

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