



Improved resource efficiency through better policies for construction & demolition waste

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WASTESERV
CREATING RESOURCES FROM WASTE

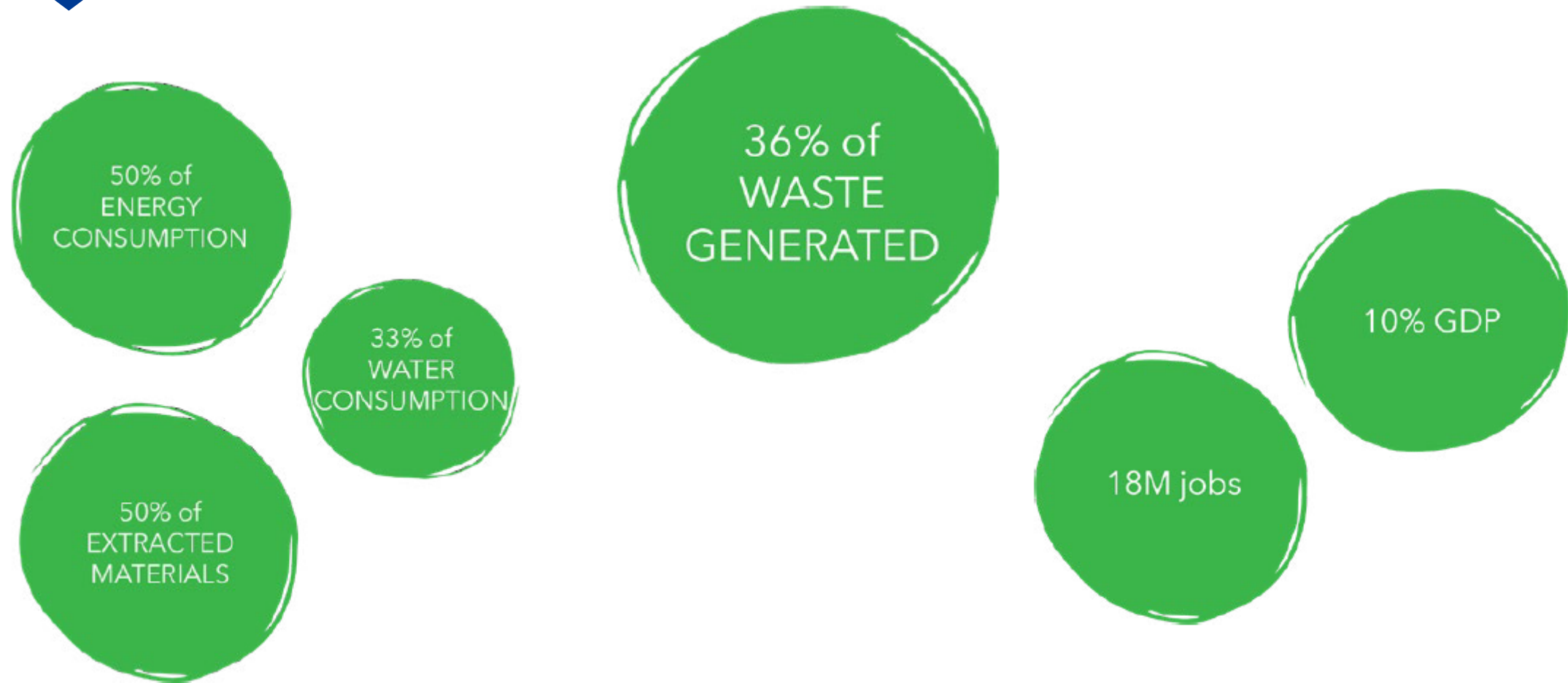

EPIRUS REGION


LISBOA
Câmara Municipal


Municipality of
Xylokastro - Evrostini
Corinthias

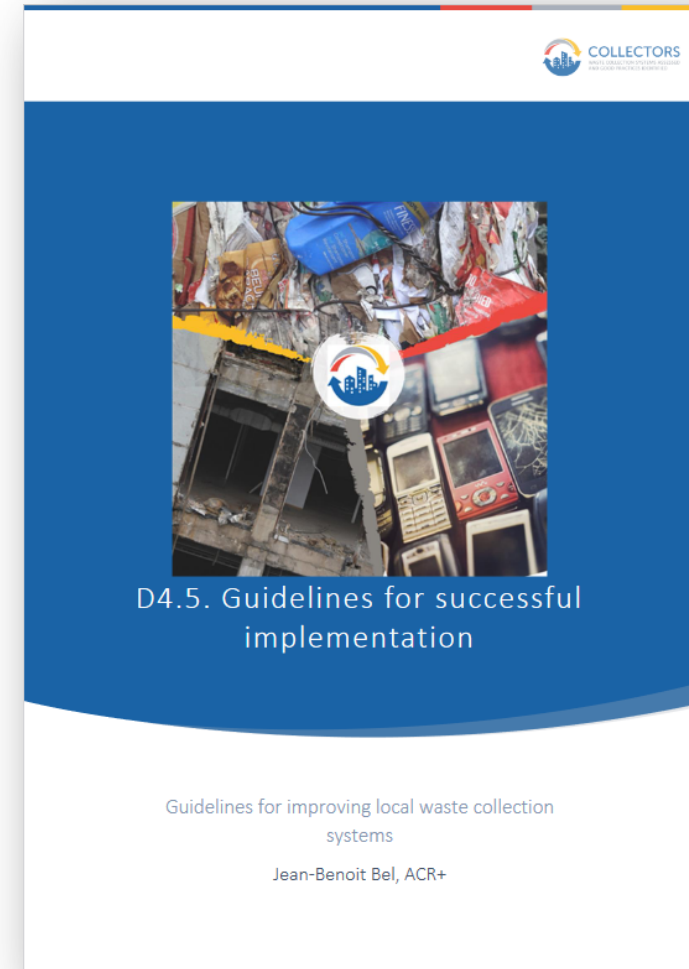

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Key figures of construction in Europe



Construction and demolition waste for cities

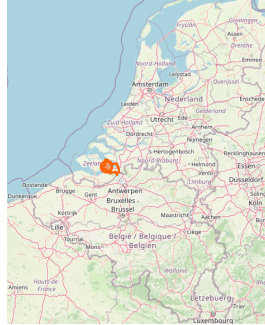
- Collection of data for about 30 municipal waste collection systems
- Most of them collect inert waste in civic amenity sites
- Usually limited quantities, only household waste, or only specific fractions (asbestos, rubbles)
- Larger quantities managed by private companies



COLLECTORS case studies

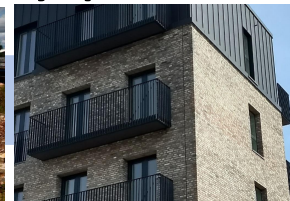
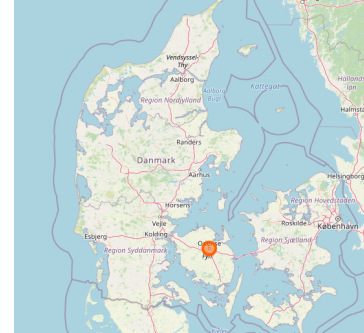
Reimerswaal (NL)

- Collection of clean gypsum waste in CAS
- Focus on quality for closed-loop recycling
- Driver: ban/tax on landfilling for gypsum
- Positive economic balance despite additional transport to recycling



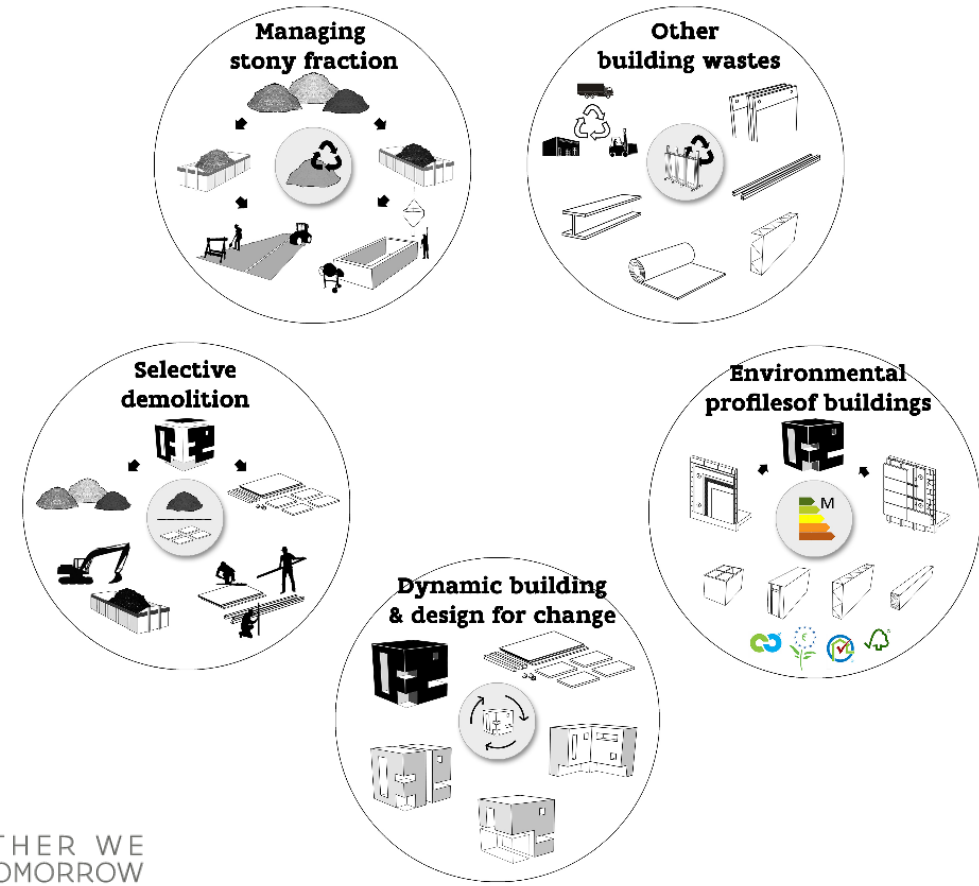
Odense (DK)

- Collection of bricks in CAS
- Recovered by a local company to make new bricks
- Economic balance positive due to proximity of the recycling unit, and high landfill costs
- Environmental balance very positive



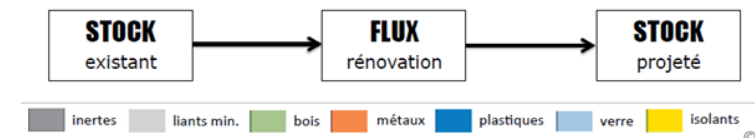
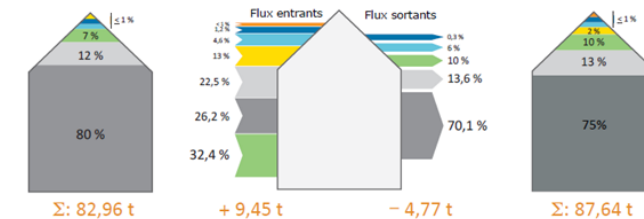
From waste management to circular economy: the example of Flanders

- "From clearing debris to producing raw materials"
- Various policy instruments:
 - Bans and taxes on incineration and landfilling
 - Investment in recycling infrastructure
 - EoW criteria and certifications for aggregates
 - Multi-actor governance
 - Pre-demolition audits
- Short and long-term vision: streamline selective demolition, optimal application of recycled/re-use materials, etc.

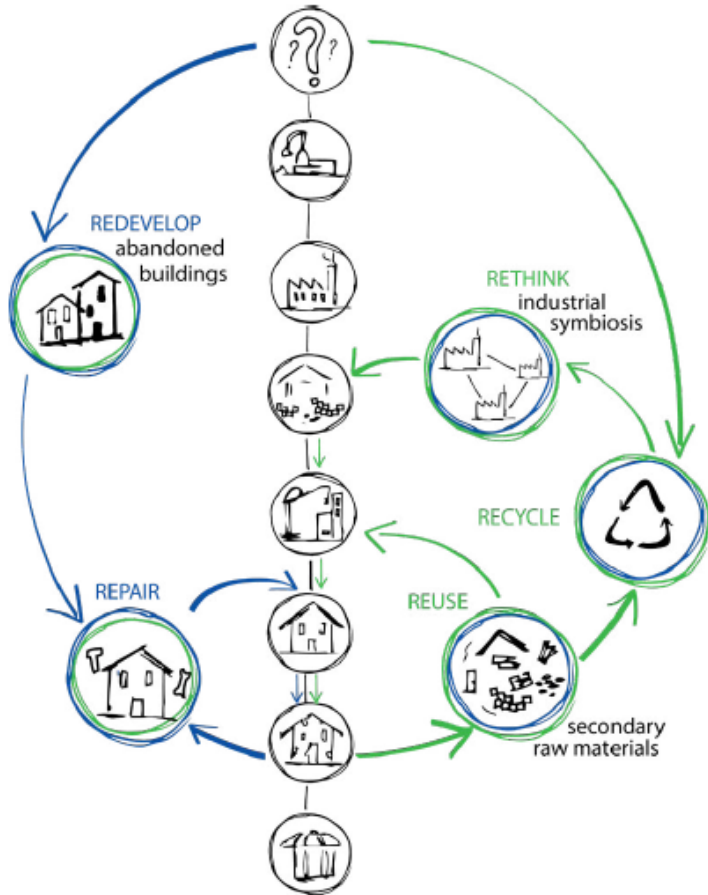


Promoting re-use in the Brussels Region

- No CD production or recycling in the Region
- Re-use: potential to improve self-sufficiency and job creation
- Creation of a re-use platform for the different stakeholders
- Support to selective deconstruction, guides, call for projects
- Material exchange platforms and companies



Going toward circular construction

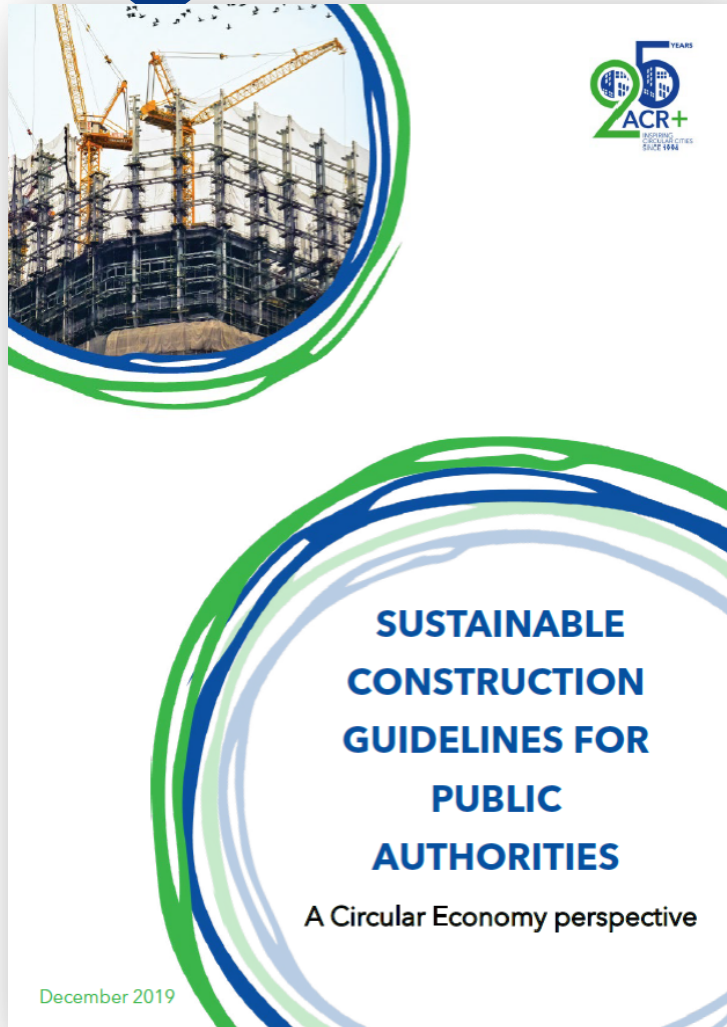


- Tools to identify empty buildings/space
- Mandatory pre-audits focusing on waste arising and composition
- Mandatory use of recycled concrete in Zurich for public buildings
- Cradle to cradle approach: eco-designed buildings and furnitures that can be dismantled in Venlo (NL)

An EPR system for CDW

- Decided by the French Law against waste and for circular economy
- Several objectives:
 - Implement a dense network of collection points
 - Propose a free take-back system
 - Reduce illegal disposal
 - Increase re-use and recycling
- To be implemented in 2023
- Creation of Producer Responsibility Organisations
- Sorting obligations for several fractions, with different options / support to municipal collection points
- CDW management plans at regional and local level:
 - Density of collection points
 - Hazardous waste accepted
 - Design of capacity according to local waste generation
- Instruments to promote re-use to be determined

ACR+' Sustainable construction guidelines



- Targeting local and regional authorities
- Focus on material efficiency
- Different elements:
 - Clarifying the concepts and regulation
 - Cross-cutting themes and strategies
 - List of possible intervention along the value-chain and building's life-cycle
- Illustrations with good practices and projects



Jean-Benoit Bel

jbb@acrplus.org

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