



URBANREC policy brief

Bulky waste in Europe

Bulky waste is “(mixed) waste from households and similar waste from companies, that do not fit (because of size, shape or weight) in the regular receptacle used for the collection of household wastes.”

- Includes in particular furniture, mattresses, upholstery, garden and outdoor or other large fixtures and fittings
- Various materials: plastics, textiles, wood, PU foam, metals, etc.
- Bulky waste generation in EU: **19 Mt/year**
- More than **60%** is currently **landfilled** in EU

URBANREC's objectives

Eco-innovative and integral bulky waste management system (enhancing prevention and reuse, improving logistics and allowing new waste treatments to obtain high added value recycled products) and demonstrate its effectiveness in different regions.

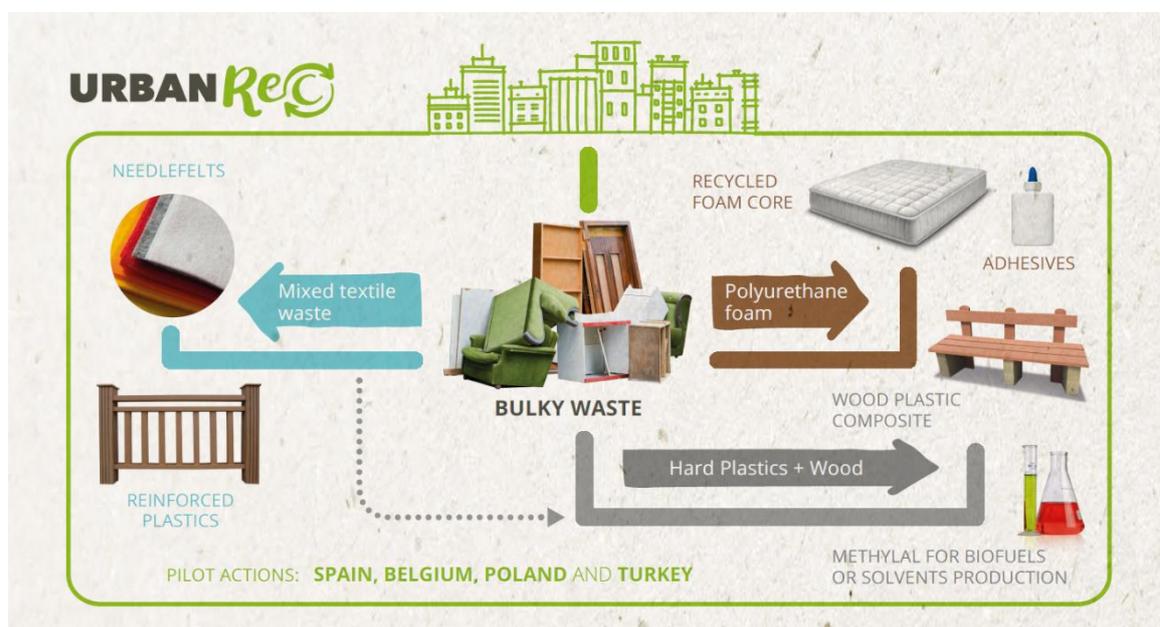
URBANREC demonstrators

- **Supporting re-use:** In-house dismantling service; App and 'customer portal' service; network of re-use centres; improvement of civic amenity sites in cooperation with re-use actors;
- **Bulky waste separation and recovery:** Separation protocol; Fragmentation technology for bulky waste; Optimization of CHGP technology for bulky waste;
- **Diverse valorisation routes** for material fractions recovered from bulky waste (PU foam, mixed textiles, hard plastic fractions and wood).

URBANREC territories



URBANREC's valorisation routes



Main legislation addressed by URBANREC

Waste Framework Directive (Directive (EU) 2018/851)	Landfill Directive (Directive (EU) 2018/850)	REACH Regulation (Regulation (EC) 1907/2006)	Ecodesign Directive (Directive (EU) 2009/125/EC)	Consumer Sales and Guarantees Directive (Directive (EU) 1999/44/EC)
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Policy & Legal recommendations

General framework:

- Harmonised definition;
- Promoting preserving collection.

Quantitative targets:

- Separate target for preparing for reuse;
- Minimum recycled content.

Designing sustainable bulky items:

- Extending Ecodesign Directive;
- Addressing hazardous substances.

Quality standards, certification, information and warranty:

- Extended warranty for products;
- Mandatory information;
- Standards and certification;
- Extending EU Ecolabel.

Collection and handling of bulky waste by reuse professionals:

- Access to reusable items;
- Exemption to environmental permitting.

Public procurement and other economic instruments:

- Support to GPP criteria for bulky items;
- Social clauses in tenders;
- Using VAT.



List of public summaries of URBANREC deliverables

- [D1.1 Definition of the starting situation in URBANREC](#)
- [D1.2 Report of new in-house dismantling service](#)
- [D2.1 Report with the separation protocol set in CONSORCIO](#)
- [D2.2 Report of the implementation of the fragmentation technology for bulky waste](#)
- [D2.3 Valorisation routes of raw materials obtained from urban bulky waste case studies](#)
- [D2.4 Implementation and optimization of the CHGP technology for bulky waste](#)
- [D2.5 Definition of final URBANREC demonstrators](#)
- [D3.1 Adhesives and foams obtained from 2nd polyols](#)
- [D3.3 Fibre reinforced PP materials from recycled textiles](#)
- [D3.4 Wood plastic composites from recycled hard plastics and wood](#)
- [D4.2 Statement of ETV verification and eco-labels definition](#)
- [D5.4 App and website 'customer portal' development in Harelbeke-Flanders region](#)

Find out more

www.urbanrec-project.eu

