



Overview of LOWaste Project



The project Life+ LOWaste



<i>Name</i>	LOcal Waste Market for second life products
<i>Beneficiary</i>	Municipality of Ferrara
<i>Partners</i>	Social cooperative la Città Verde Hera Ferrara Impronta Etica RRE-Use
<i>Duration</i>	September 2011 – June 2014
<i>Total budget</i>	1.109.000 €
<i>UE Co-financing</i>	554.500 €

LOWaste drivers and outcomes



Circular economy

- **Local district** of waste operators, designers, makers, social enterprises, SMEs engaged in manufacturing with locally recycled materials
- **All stakeholders of the chain** from waste producers to the processor and dealer are coordinated through **public-private partnerships**

Local development

- The LOWaste value chain aims to maximize the impact in terms of **local employment**
- The networks of **social enterprises and entrepreneurs** (designers, manufacturer, fab-labs and similar) are key to the model

Innovation

- Reuse and recycle of **waste categories** that actually are disposed
- **Enhancement of low value-added sectors**
- **Eco-design** of second life products

Waste intercepted

Jobs created

The governance model



Virtuous model of **public-private partnership**:

- **Synergies and collaboration** between individuals with divergent visions
- **Integration** between an industrial approach to waste management and local initiatives for innovation
- **Exchange of know-how and technical expertise** alongside the creation of a stable relational assets

LOWaste at a glance



THE PROJECT IN 4 STEPS

1

Life-cycle analysis of various sorts of waste and a selection of four promising waste streams

Investigation of the local market for recycled products

2

Collection of local, national and international best practices

Analyses of the different legal frameworks to identify how to optimize waste management and recycling activities

3

Training to improve the operators' skills and the quality of materials

Create partnership and code of conducts to integrate products into the local market through a smart use of GPP and "green" purchasing.

4

Give the "new" products visibility and make sure they can access the local market

Awareness raising campaign to promote the project at local, national and international level

LOWaste for action!



The community of makers



200 subscriptions
60 candidates
40 selected participants
to the co-design phase

7 scalable projects

- prefabricated panels with recycled inert from building
- engineering prefabricated panels for floors/facade
- semi-finished textiles
- fab-lab low-tech
- training and awareness program
- exhibition design for the marketplace
- ...

13 products projects

- carpets
- bags carrier
- first aid cabinets
- curtains for windows/showers
- pocket medical tool bag
- camping kit
- footwear and accessories
- accessories for children
-

LOWaste pilot projects



WASTE
STREAMS
SELECTION



PRODUCTS
IDENTIFICATION



SECOND LIFE
PRODUCTS
PROTOTYPES



MARKET



TEXTILE FROM HOSPITALS



OIL AND FOOD WASTE



AGGREGATES FROM DEMOLITION



STREET FURNITURE AND
PLAYGROUND EQUIPMENT



REUSE CENTER

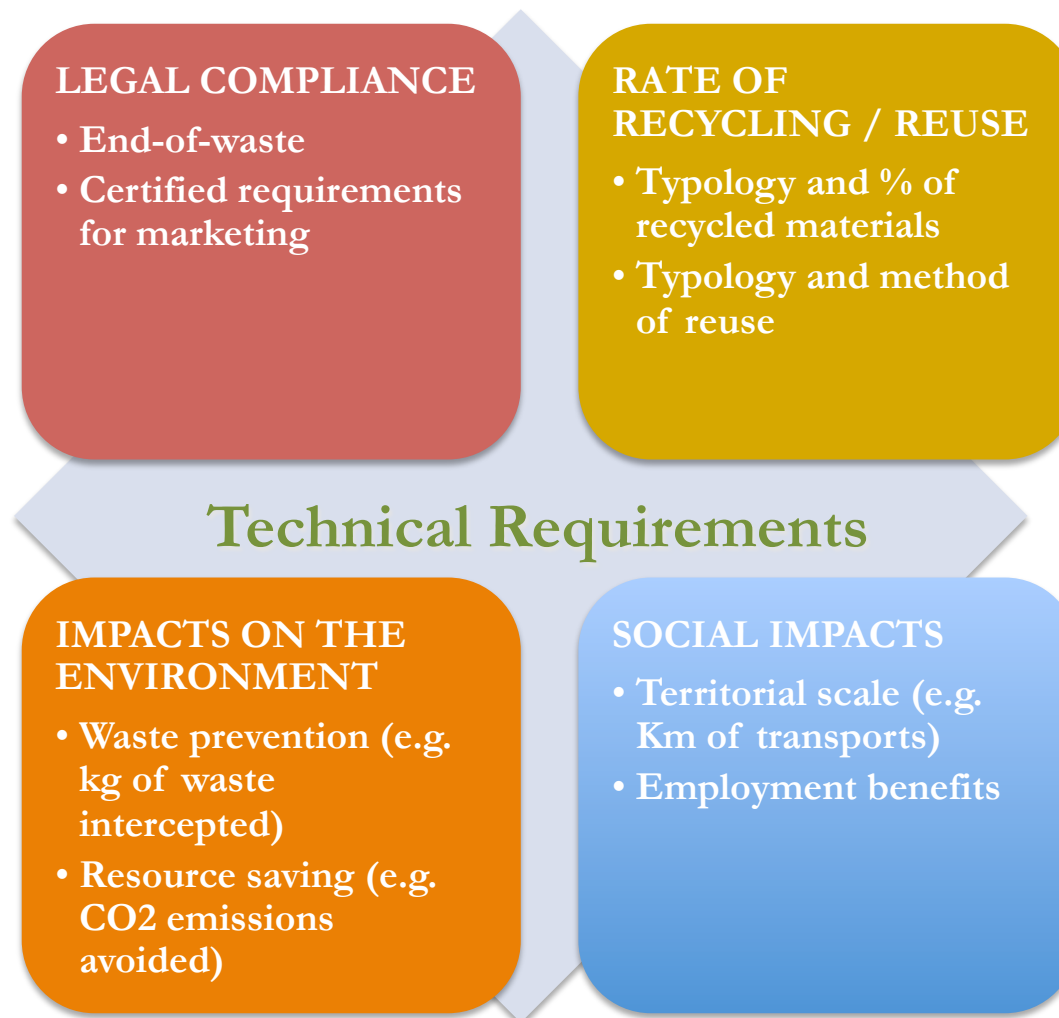
An example of pilot: hospital textile



An example of pilot: aggregates from demolition



LOWaste requirements





@LOWaste4act a beautiful family. Circular economic model: vision, emotions, sharing, solidarity. The ethics changes the world. In better



Thank you!

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