



**LOWaste**  
LOCAL WASTE MARKET  
*for second life products*

*Overview of LOWaste Project*  
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*March 6th, 2014*

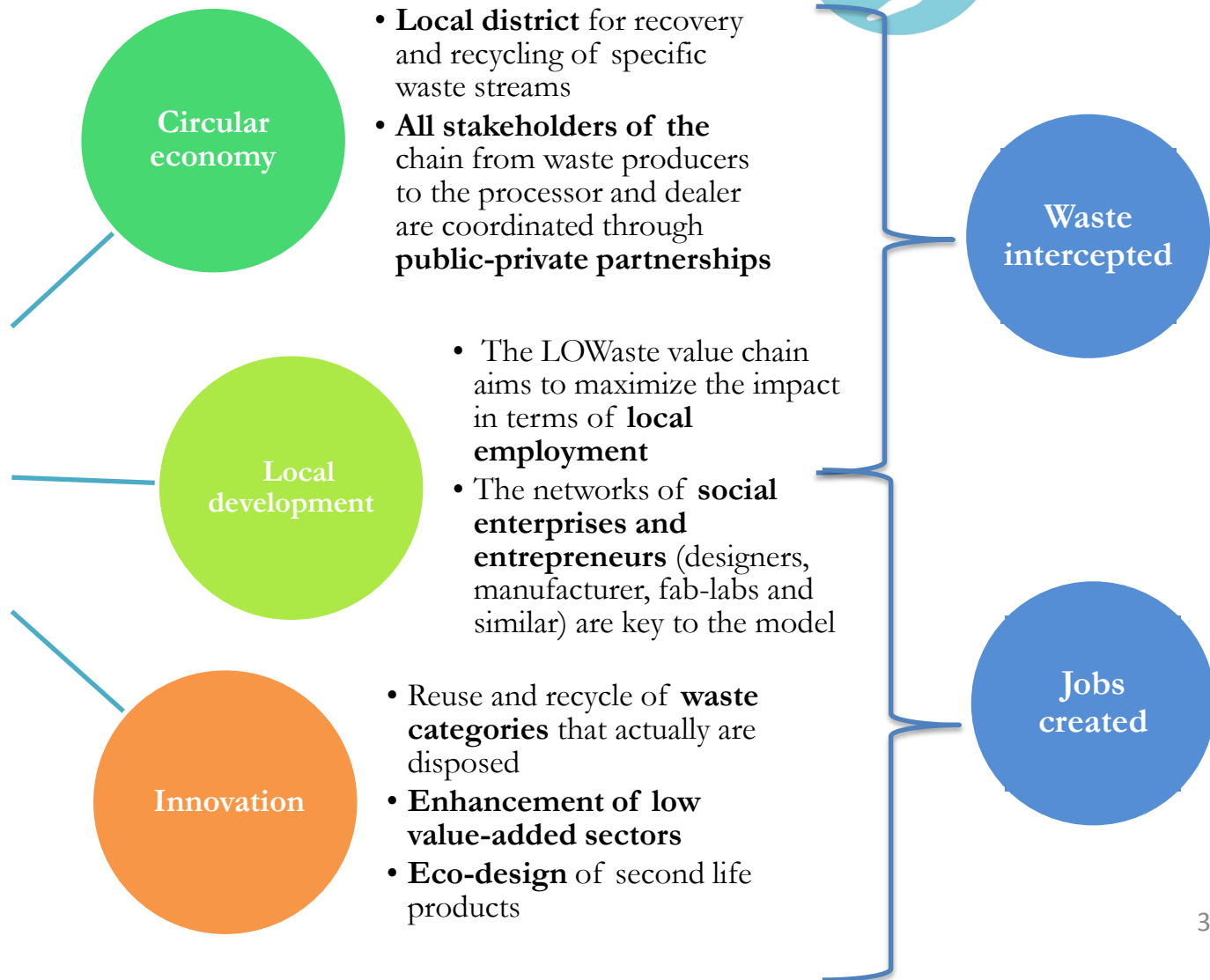


# The project Life+ LOWaste



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

# LOWaste drivers and outcomes



# 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

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

1

Investigation of the local market for recycled products

Collection of local, national and international best practices

2

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

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

3

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

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

4

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



## LEGAL COMPLIANCE

- End-of-waste
- Certified requirements for marketing

## RATE OF RECYCLING / REUSE

- Typology and % of recycled materials
- Typology and method of reuse

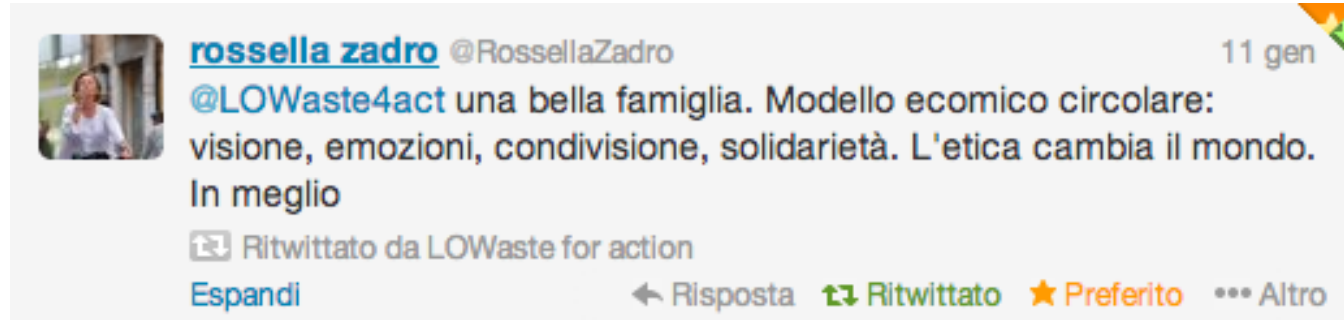
## Technical Requirements

### IMPACTS ON THE ENVIRONMENT

- Waste prevention (e.g. kg of waste intercepted)
- Resource saving (e.g. CO2 emissions avoided)

### SOCIAL IMPACTS

- Territorial scale (e.g. Km of transports)
- Employment benefits



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

**Thank you!**

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