



# Preparing for waste re-use: The context and the local experimentation

Eng. Rita Gamberini

Dott. Luca Galloni

Department of Sciences and Methods for Engineering

# The context - 1

- Directive 2008/98/EC on waste
  - ‘preparing for re-use’ means checking, cleaning or repairing recovery operations, by which products or components of products that have become waste are prepared so that they can be re-used without any other pre-processing;
  - The following waste hierarchy shall apply as a priority order in waste prevention and management legislation and policy:
    - (a) prevention;
    - (b) preparing for re-use;
    - (c) recycling;
    - (d) other recovery, e.g. energy recovery; and
    - (e) disposal.

# The context - 2

- Preparing for re-use is strictly connected with the meaning and the status of waste
- The promotion of preparing for reuse should be accompanied by the creation of re-use and repair networks, the use of economic instruments, procurement criteria, quantitative objectives or other measures.

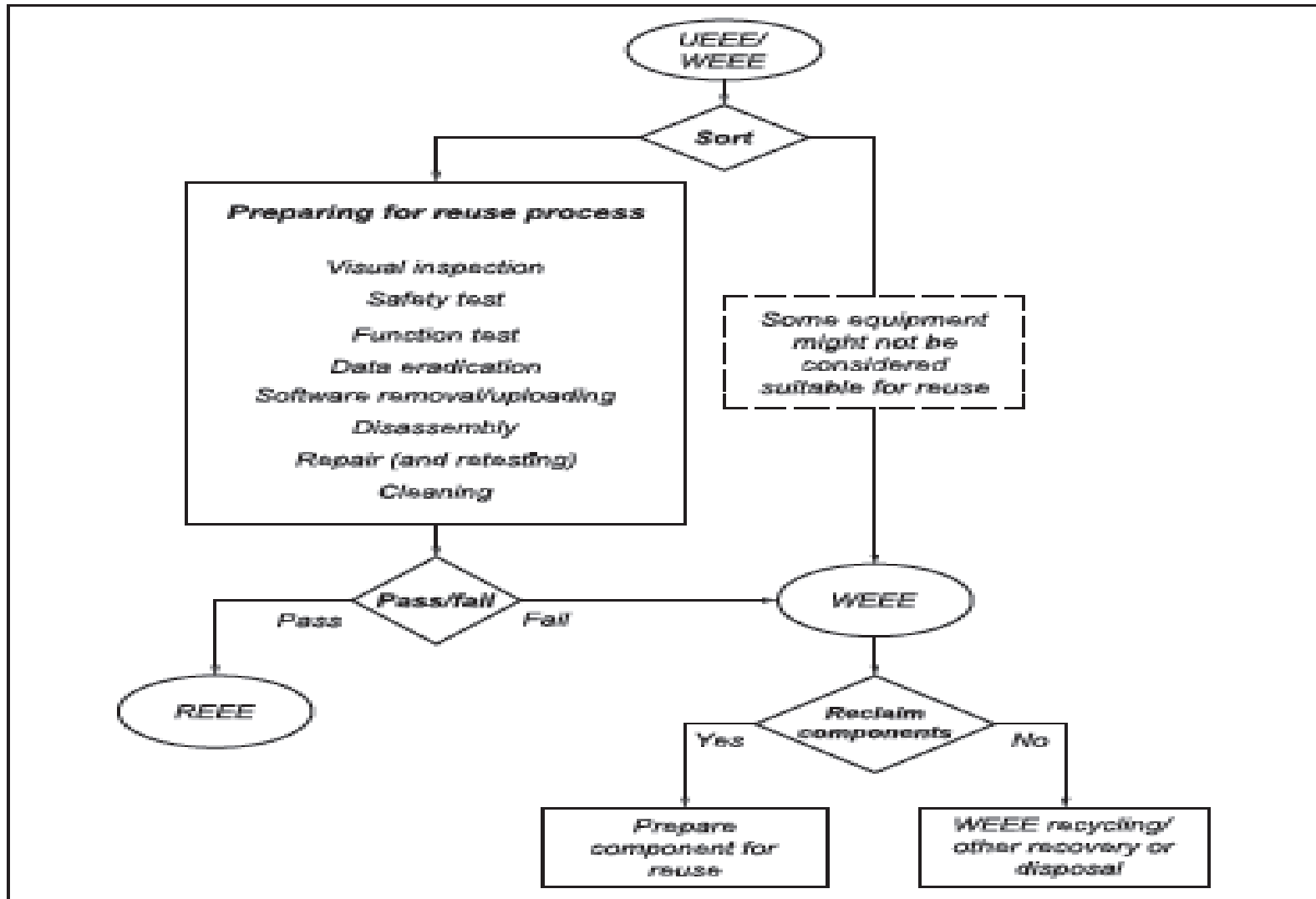
# SIFOR and the ‘Valorizator’

- SIFOR aims to define the profile of the ‘Valorizator’, to create the operate conditions for experimenting it, to firstly implement its application
- Selected waste typologies: WEEE – Waste of Electrical and Electronic equipment, textile, bulky waste

# WEEE and PAS 141: 2011

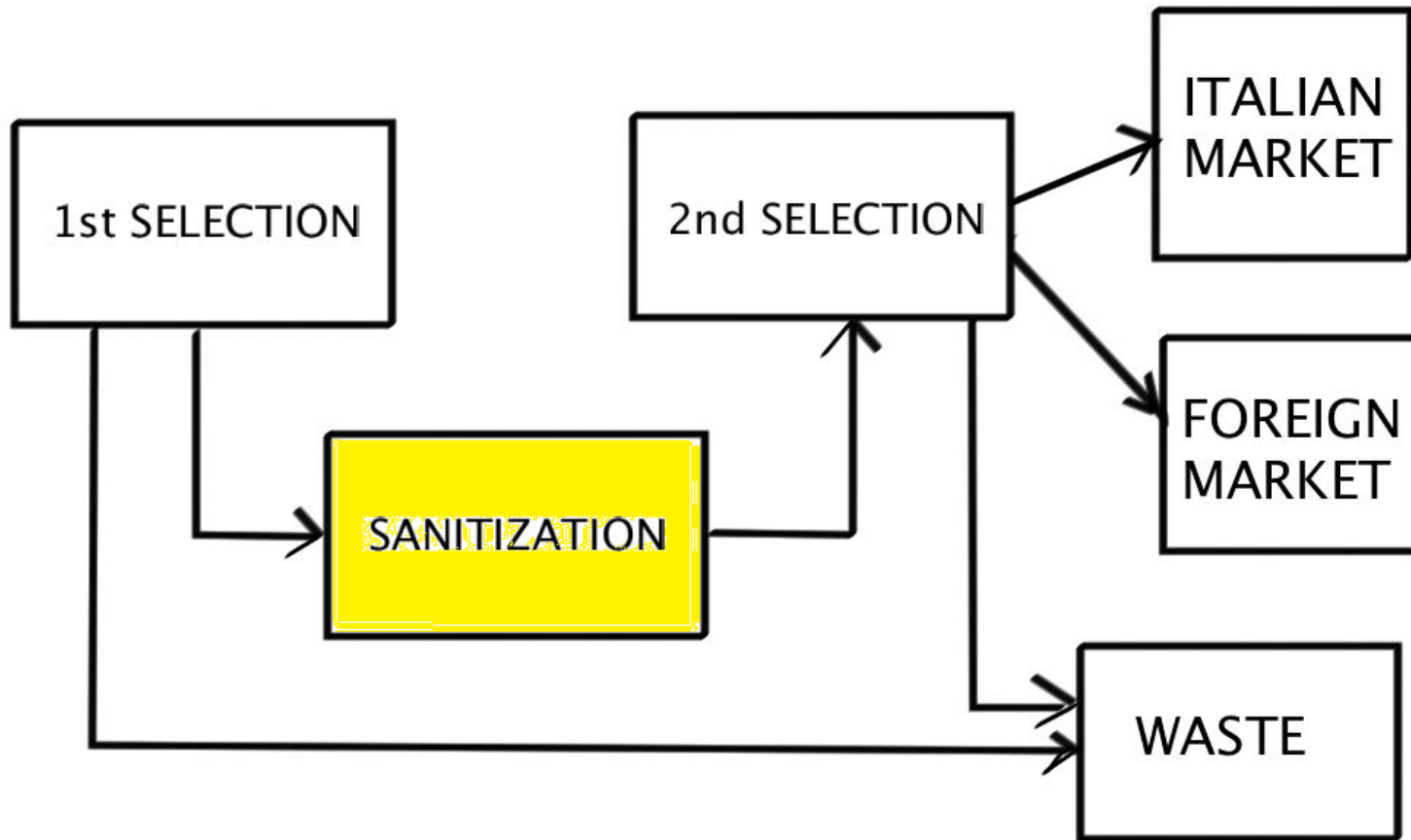
- In the experimentation will be learned and implemented the Publicly Available Specification PAS 141: 2011

# WEEE WASTE



Unique identification number	Visual inspection		Function test	Data eradication	Software removal	Software upload	Repair	For repair			Data test completed	User information provided	Warranty provided	Organization transferred to
	Pass / Fail	Safety test						Replacement component(s)	Safety test	Function test				
	Pass / Fail / N/A							(please list)	Pass / Fail	Pass / Fail	Yes / No / N/A	(please specify format)	(days or months)	

# Textile and sanitization - 1

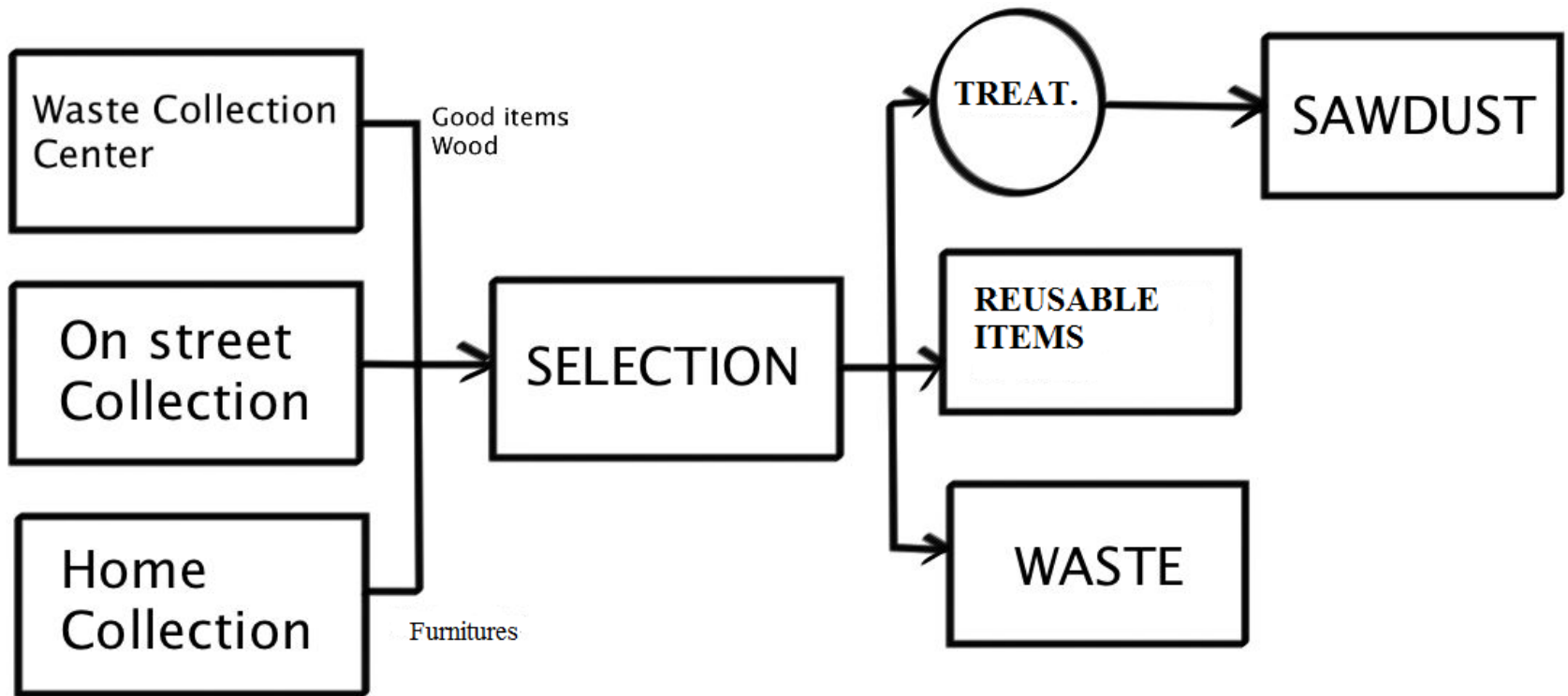




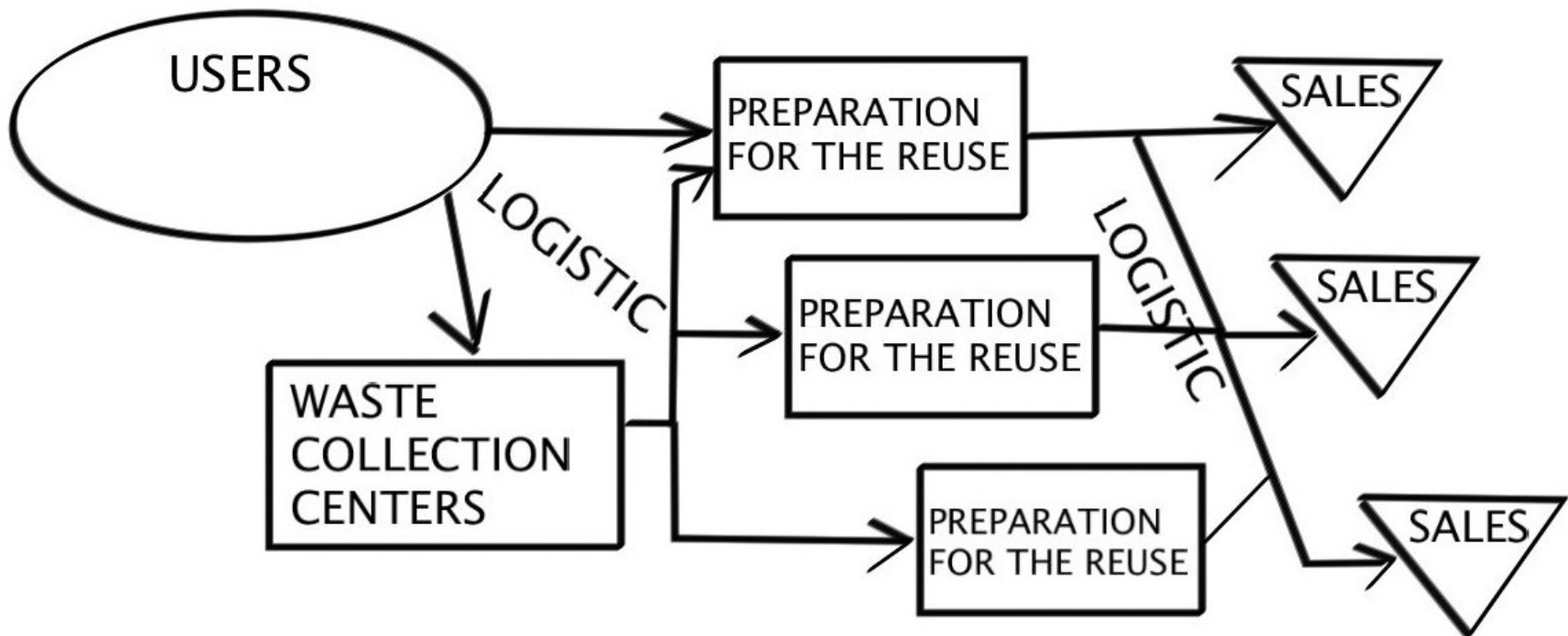
# Textile and sanitization - 2

- Absence of technical guidelines concerning sanitization, but only final objectives to be reached
- First results are addressing the following well performing process:
  - Visual inspection
  - Sanitization
- Further expected results: time of exposition, composition and concentration of sanitizers, steps of the process, duration of the effects

# Bulky waste



# The final objective: The Re-use network



# THANKS FOR THE ATTENTION ....

Eng. Rita Gamberini

[rita.gamberini@unimore.it](mailto:rita.gamberini@unimore.it)

Mobile: 328 9894373

