

# Responsible consumption and the afterlife of products

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## A waste management approach...

### **Responsible consumption:**

“Buy less, choose well, make it last”

The use of ethical and environmental criteria when choosing, using and disposing of the products we own.

### **After life of products:**

“One man's trash is another man's treasure”

All possible uses of product (and materials) after they are no longer functional, needed or wanted.

To know is to see...

1<sup>st</sup>. What is the real cost of products and materials?

**The “true cost” of a T-shirt**

(imported, non-organically grown cotton)

2157 liters of water, (45% irrigation)

8 kw, 42 to 110 liters of fuel (land and sea)

travels 8850 to 15120 kilometers,

NO, SO<sub>2</sub>, CO, CO<sub>2</sub> emissions

pesticides (4 to 11 liters), toxic dyes

Import fee 0.60 to 1.03 USD

Labor 50 cents a day

Also 200 to 345 liters of fertilizer

# Opportunities for waste management...

2<sup>nd</sup>. What can we do to solve or mitigate the problem?

“Allow the life extension of products (and materials) by means of **reusing, repurposing, repairing, refurbishing, recycling, return as raw materials**, etc to keep them from ending up in landfills”



## Reusing



## Repurposing



## Refurbishing



## Recycling



## Raw Materials



## Organic waste



# Successful examples...

- from wasted fishing nets to carpets tiles
- from waste to energy, clean water and bricks
- from plastics to roads
- Refurbished Machinery (Caterpillar Reman)
- Food sharing app (Olio)

# Let's build solutions together...

**Government:** simplifying procedures to set up environmentally oriented companies, offering incentives and support

**Businessman and entrepreneurs:** Investing in waste management businesses

**Specialists:** such scientists, engineers, technician, etc contribute with your knowledge to build, acquire manage the technology necessary to maximize the efficiency of the projects

**Community:** volunteers, environmental and social organizations, people interested in working in such companies

**Educators:** helps us build a culture of responsible consumers who contribute with their actions to a better management of waste



# Less talking more action...

Let's join interests, opportunities, expertise to start solving

**step 1: Generate awareness/discuss**

**step 2: Create/expand community networks**

**step 3: Choose a project**

**step 4: Join a team**

**step 5: Cooperate and initiate**

# Thanks for your attention!

If you are interested in making part of a waste management project contact me on My email: [profearci@outlook.com](mailto:profearci@outlook.com)

If you want to learn more about “Circular Economy” visit:  
[https://vk.com/videos-128854208?section=album\\_9](https://vk.com/videos-128854208?section=album_9)