

# EFFECTIVE BIOECONOMY PRACTICE IN SERBIA



# HOW TO RECYCLE CIGARETTE BUTTS

- .In Serbia there are more than 2,6 milion smokers
- .In the last four years Serbia got more than 490 000 new smokers
- .About 38% of serbian population are smokers
- .In Serbia people can smoke in restorans, cafes, offices...everywere
- . How do we extract something positive from this negative fenomena?
- .Recycling

# Cigarettes composed...

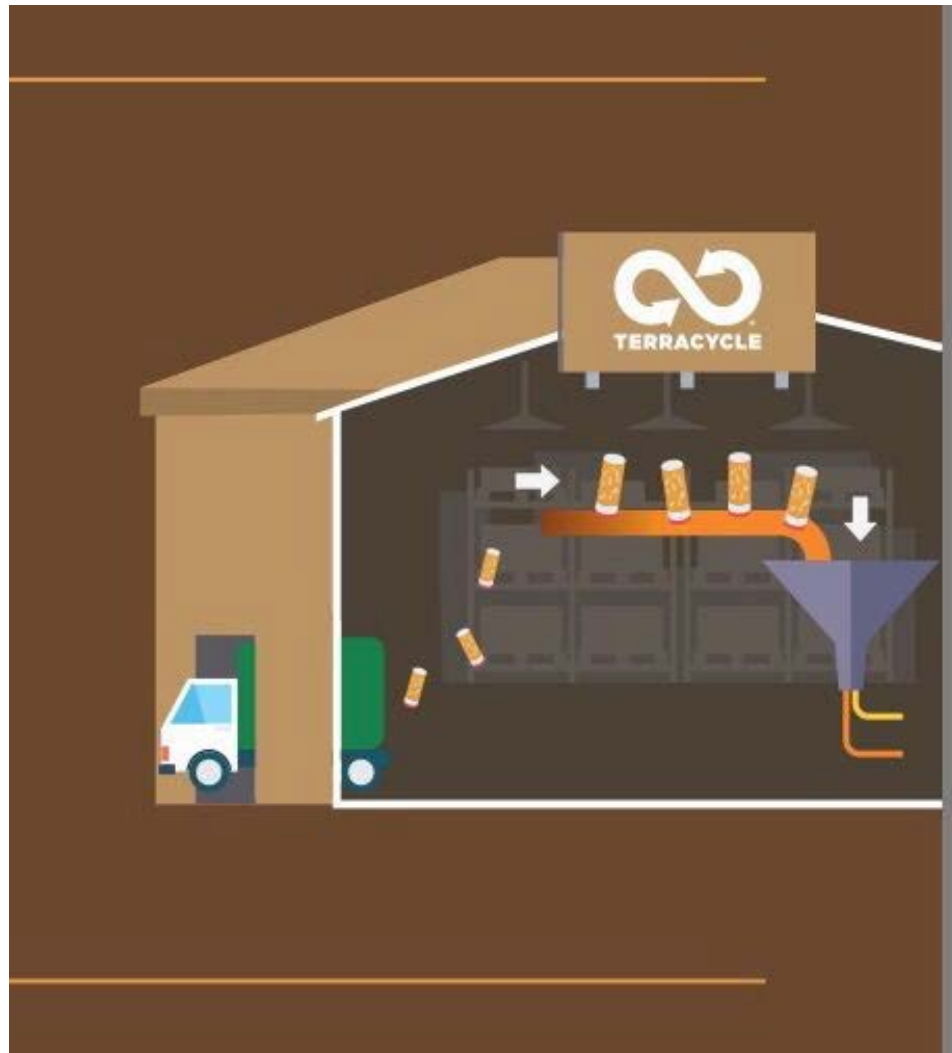


## Cigarettes composed...

- Cigarettes are composed of multiple components – and require a unique process for recycling
- Cigarettes butts could be collected and shipped to the plant for recycling
- All people could collect butts and organizations may collect butts in their warehouses – especially restaurants, cafes-because they have most of this waste
- We can introduce compensation – for example governmental institutions could offer some money for assumption this waste – proposal 1 EUR for 1kg/butts

# Processing

- .Cigarettes butts are comprised of residual tobacco, paper and a filter
- .The residual tobacco and paper are separated out and composed
- .The filter -which is made of a white syntetic fiber called cellulose acetate is throughly cleaned, melted and pelletized using extraction



# Conversion

.The cellulose acetate pallets are than combined with other plastic, such as polyethylene or polypropylene, and used for a new plastic products such a shipping pallets, plastic lumber, ashtrays etc.

## .Benefits

- .-reduced environmental pollution
- .-the possibillity for additional earnings
- .-using waste to produce a new products
- .- monetary motivation for collecting a waste
- .-raising awareness of the population

# Disadvantages

- Low turnout population and institutions
- Unprofitability in case insufficient quantity
- Not enough money for the maintenance of the whole system
- Problem with warehouses, storage and transport from customers to the recycling plant
- Indifference of the state and governmental institutions for the financing of this project – Serbia is poor country



# Thank you for your attention

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