



# WASTE MANAGEMENT

## About waste briefly



# WHAT IS WASTE MANAGEMENT?

- The waste management hierarchy includes the following steps:
  - waste prevention,
  - reuse,
  - recycling,
  - material/energy recovery,
  - incineration,
  - landfilling.



# WHAT IS WASTE MANAGEMENT?

- However, today's economic model often generates waste that can not be recycled.
- This is, for example, because of additives that are supposed to change the material and improve the properties.
- We can say that consumers behavior generates a significant proportion of waste that cannot be recycled.

Why?

Because we buy nicer things.



**RECYCLING IS THE PROCESS OF  
RECOVERING MATERIALS THAT HAVE  
BEEN USED ONCE AND BECOME WASTE.**



# RECYCLING

- If the waste cannot be recycled materially, we can use its energy and recycle it energetically.
- We reduce the volume of waste, which is important for the volume of waste that is generated daily.
- Waste energy recovery facilities help the circular economy in the process of change.



# RECYCLING

- Countries with a developed waste management system, expressed by a high recycling rate, are characterized by the highest share of energy recovery from waste and the lowest share of landfills.



- The demands for electricity and cooling products increase sharply with the development of society, which causes the increasing consumption of nonrenewable fossil energy and aggravates environmental pollution.
- The amount of MSW as fuel combustion to generate power is a better way to treat MSW and non-recyclable waste properly.
- This way we can reduce the consumption of fossil fuels and reduce emissions.



- When you want to help the environment, you can choose to not generate waste at all.
- You should always remember that you will still generate waste even when you live a zero waste lifestyle.
- There are examples, the doctor visit, use of transport infrastructure, light in your house, you generate emissions even when you walk!
- Unfortunately the zero waste lifestyle is not the solution that will help the world.





# OK, SO WHAT IS THE SOLUTION THEN?

- We have to start thinking of waste as the source of materials and energy. And we have to use it. Waste becomes the new renewable source.
- The most important is the eco-design of the products that generate tons of waste annually.
- Of course, this is the process, we still have tons of waste needed to be treated properly.
- We still have old environmental loads, that become the biggest threats to our health.



# OK, SO WHAT IS THE SOLUTION THEN?

And yet, there are still people that do not sort.

We will not leave the planet as we now her for our next generation.

But we still have a chance to do as much as is needed.