



# Workshop TU Bingen

**May 16<sup>th</sup> 2022**

Ralf Malschofsky – hager group

▪ 04

# 01 Unser Problem

# World wide situation – Plastic waste

## Curent Status

MetaBallStudios (MBS)  
Created by: Alvaro Gracia Montoya  
United Kingdom - April 2020

Let us work together for a world with Less Plastic!

BeyondPlastic.net MetaBallStudios - Youtube Channel

▶ 2:26 / 2:40

⚠ PLASTIC WASTE in Perspective (3D Animation)  
349.808 Aufrufe • 09.05.2020

👍 15.423 🗨️ MAG ICH NICHT ➦ TEILEN ⚙️ SPEICHERN ...

**MBS** MetaBallStudios ●  
1,25 Mio. Abonnenten

Hello everyone, today I bring a very special collaboration with BeyondPlastic.net in which we can clearly see the problem of plastic in the world. Have you ever thought about how all the plastic in the world would look together in one place? I show you in this awesome animation.

MEHR ANSEHEN

MetaBallStudios (MBS)  
Created by: Alvaro Gracia Montoya  
United Kingdom - July 2019

WASTE (per capita) | 3D animation

168.348 Aufrufe • 09.08.2019

**MBS** MetaBallStudios ●  
1,25 Mio. Abonnenten

Amount of waste generated per person per year.

Country	Waste (kg per capita per year)
Bahrain	906.7
Canada	777.97
Comoros	813.3
Denmark	547.9
France	530
Germany	617
Ireland	586
Italy	451
Japan	352
Poland	297
Spain	356.3
Sweden	52
Switzerland	56.3
United Kingdom	52
USA	347.9
Argentina	341.4
Mexico	341.4

▪ 04

# 02 Situation bei :hager

# 100% sustainable packaging

By the end of year 2024

**Sustainable packaging is a packaging that is **necessary**, and **meets precise criteria**.**

*It's not only about replacing 100% non-recycled plastic by plastic containing a % of recycled or recyclable material.*

# Sustainable Packaging solutions

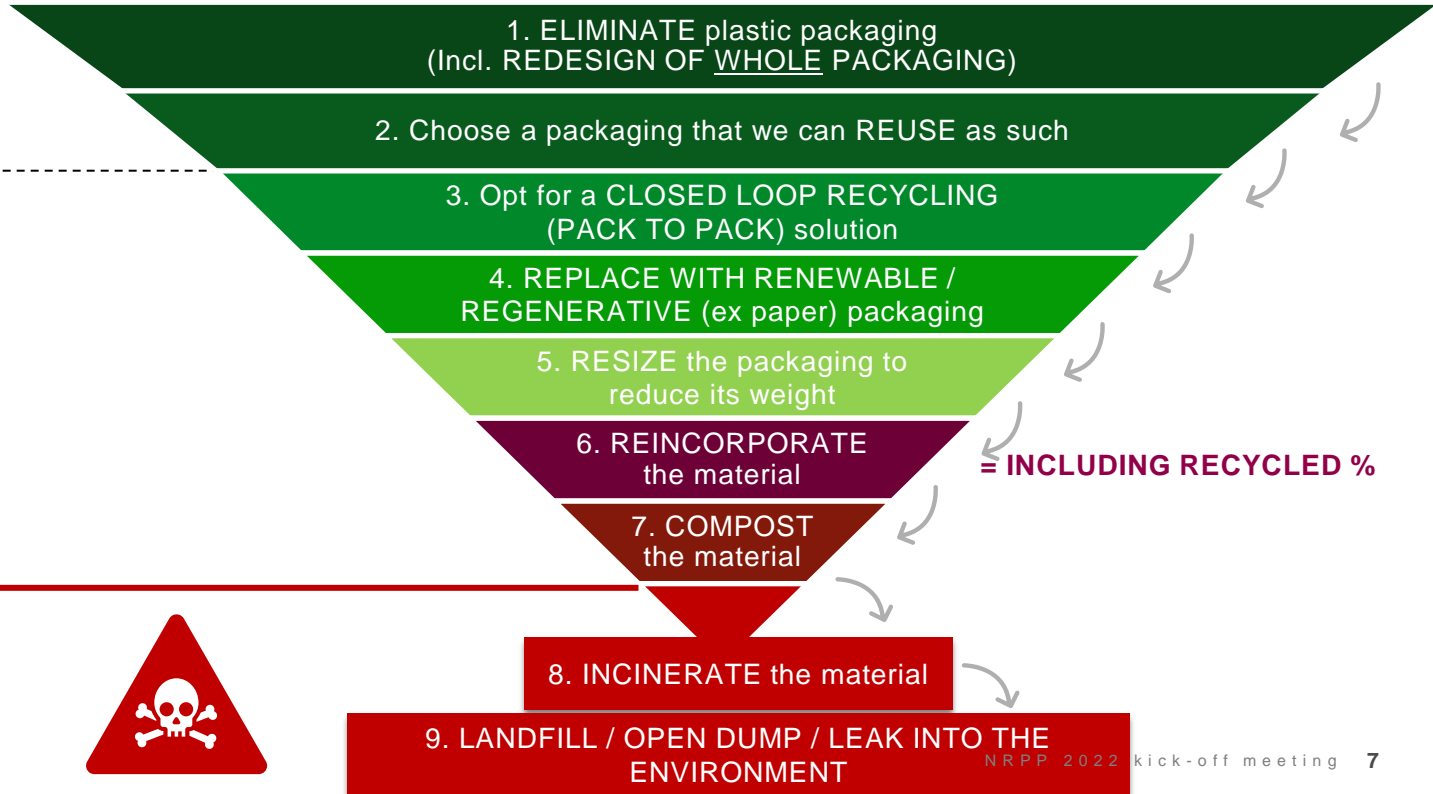
## Start with the top

*NB : this hierarchy depends upon packaging usage and lifetime, existing facilities of a given geography, and material*

NO WASTE GENERATION  
(= best solutions)

WASTE MANAGEMENT

WASTE POLLUTION



# For SDM : focus on CM & Enclosures

## Most consuming application centers

**Functions / Owners**  
of plastic packaging use in HG

PRODUCT PACKAGING &  
PRODUCTION

**Committed target**  
2022

**-20%**

**Focus on the most consuming**  
Application Centers



**Cable Mgmt**  
Rigid & corrugated pipes



**Enclosures**



Conclusion



Find solutions together

**hager**group

**Thank you  
for your attention!**

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