



# Enabling Chemical Recycling in Germany— What feedstock can actually be used for Chemical Recycling

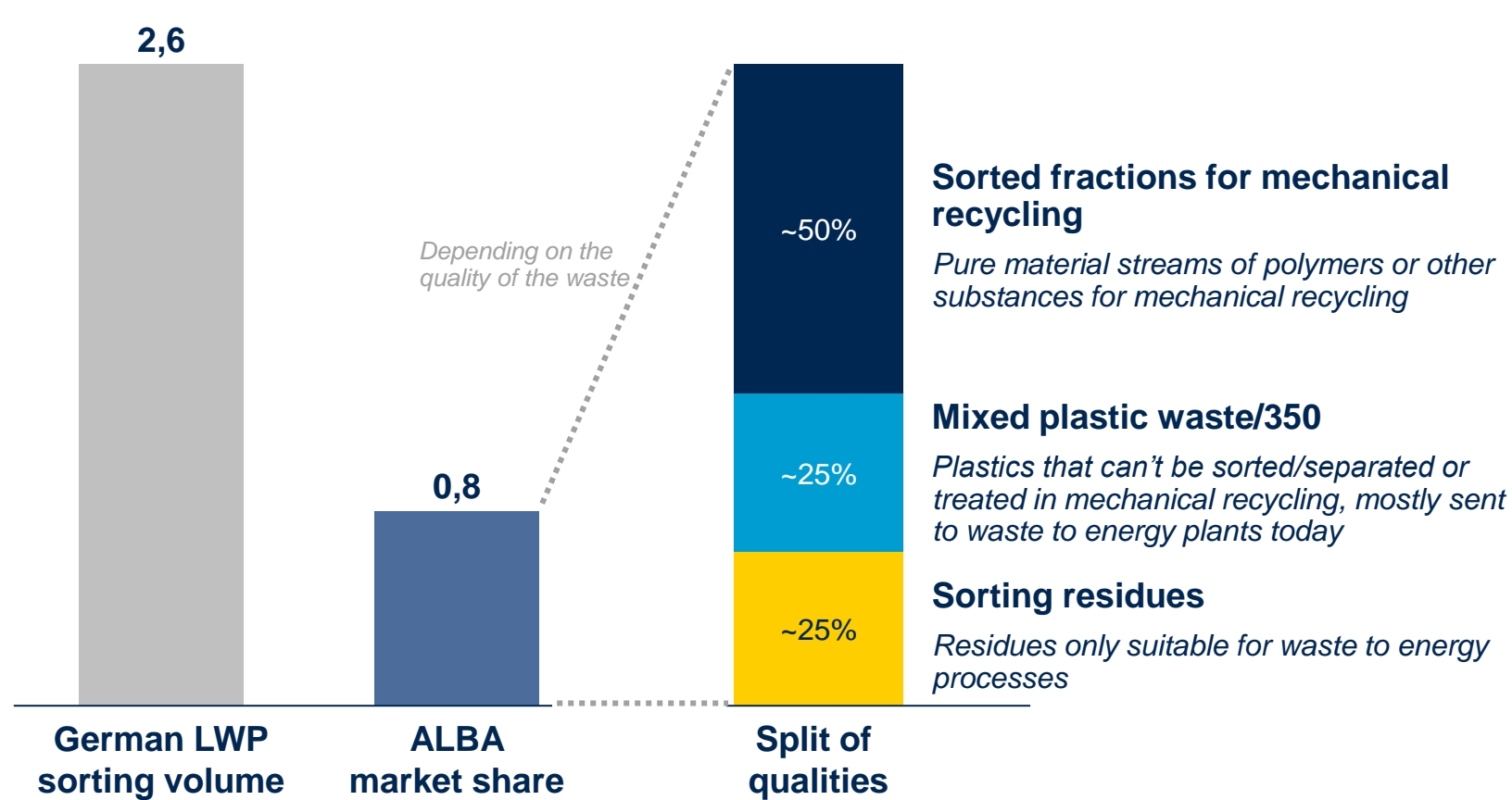
Advanced Recycling Conference

Dr. Richard von Goetze, Berlin 08/07/2022

# Feedstock: 30% of German LWP waste in Germany is sorted by ALBA – only ~50% can be recycled through sorted fractions

LWP waste in Germany [Mt/a]

Sorted LWP can be split in three qualities



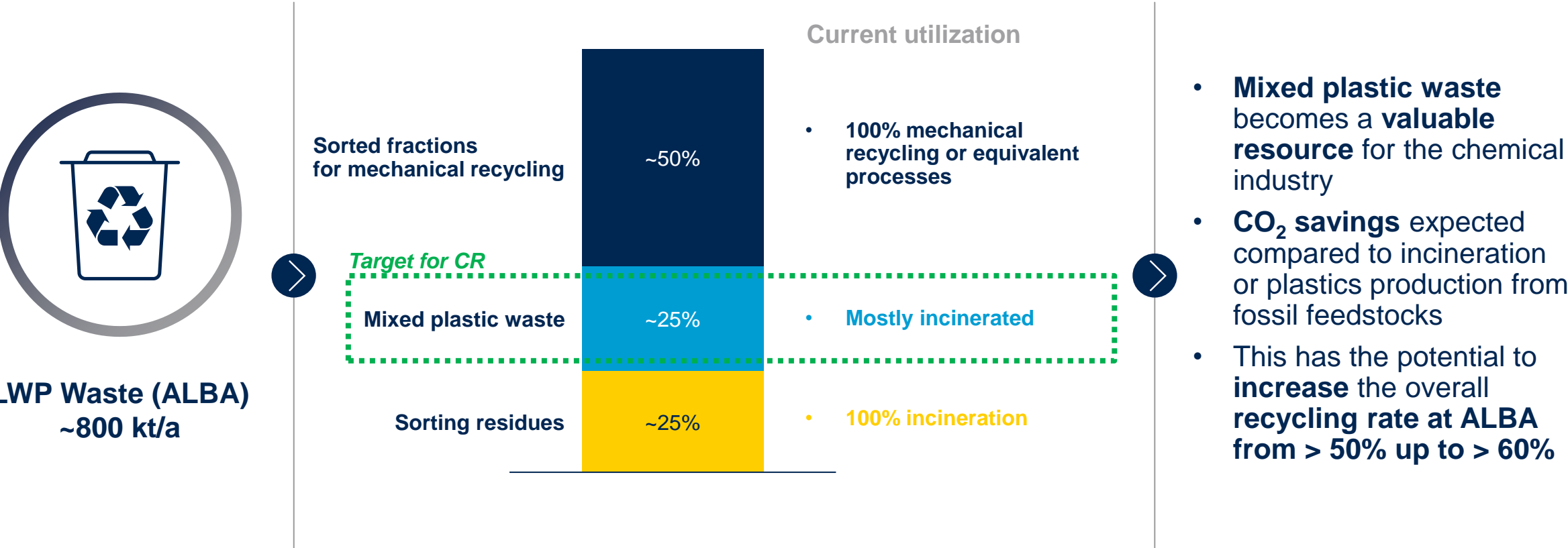
- **Potential** of mechanical recycling in Germany **almost exhausted**
- **Solution** for recycling of **mixed plastic waste required** to avoid incineration

Notes: LWP: Light weight packaging

Sources: ALBA Group

# Large volumes of mixed plastic waste are the targeted feedstock for Chemical Recycling – no competition to Mechanical Recycling

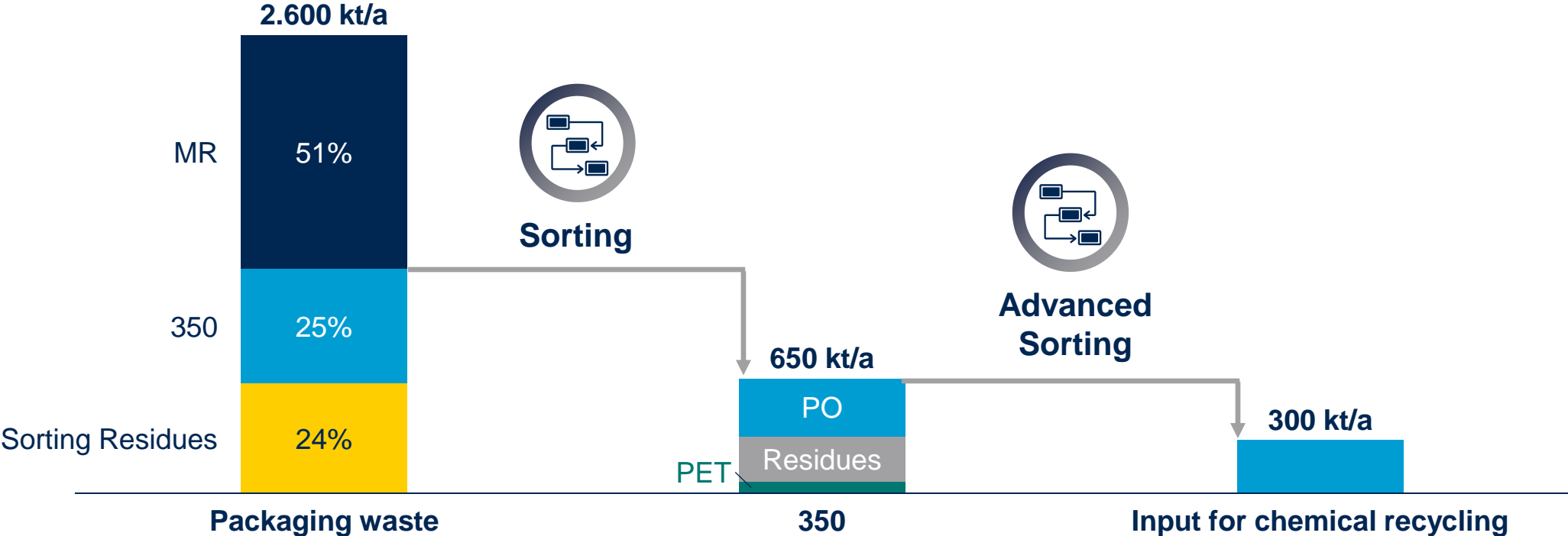
Existing and potential future recovery routes of LWP waste



Notes: LWP: Light weight packaging  
Sources: ALBA Group

# ALBA estimation: only 300 kt/a of suitable input for recycling via pyrolysis are available in Germany

In case Input does not compete with MR and currently ends up in incineration



Notes: 350: Mixed Plastic Waste  
Sources: Based on ALBA research

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