

"Unlocking the flexible packaging dilemma"

KIDV CoP Technical Work Stream

Dominika Maruszak – Dankbaar

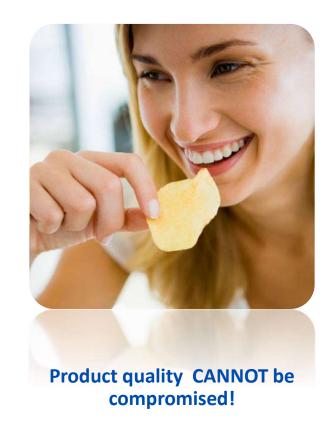
PepsiCo R&D

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CoP Technical Work Stream

The challenge:

- The current infrastructure focuses on **PE Flex**
- metPP is currently collected but not recycled
- Redesign led by Brand Owners is only the first step to closing the gap
- Establishing PP (or PO flex) stream is critical to realise our route towards 100% recyclability



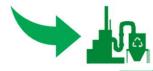
Plastic Waste in The Netherlands



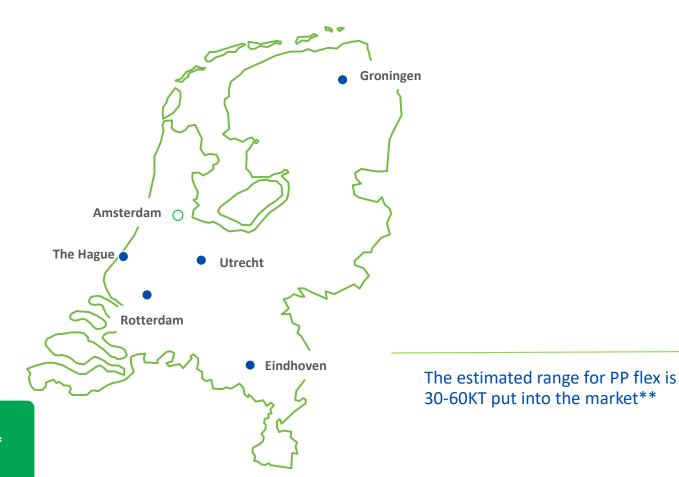
- In 2018 about
 523kT* plastic
 packaging was put
 into Dutch market
- The estimate is that 30-40% of it is film



About **359KT*** plastic packaging was **collected**



and **~299 kT*** recycled



*Afvalfonds data 2018

** variance in reports



Can we **sort it** out and use **metPP flex** as feedstock for **new applications?**









Technical Work Stream Trial





Trial Headlines

• **SCALE:** ~500kg of each

• **SOURCE:** KSI/Omrin

REGION: North Holland



CoP Technical Work Stream

- The trial showed that there is too much flex material loss in the sorting process
- The target PP flex portion in the PMD (light fraction) was about 1/3 of all flexibles
- Significantly more metPP was found in MSW
- In **redesign** PP (and PE) will be the main polymers used; we need to prepare the infrastructure for the future increase of **flex PP in the stream**
- The trial is just a first step and numbers are directional

WHAT's next?

A GREATER **ENGAGEMENT** OF THE VALUE CHAIN MEMBERS AND AUTHORITIES IS NEEDED TO TAKE THIS TRIAL FURTHER!

Thank you!

