

Dialogue Forum Chemical Recycling

Significance of chemical recycling from  
the recycling industry point of view

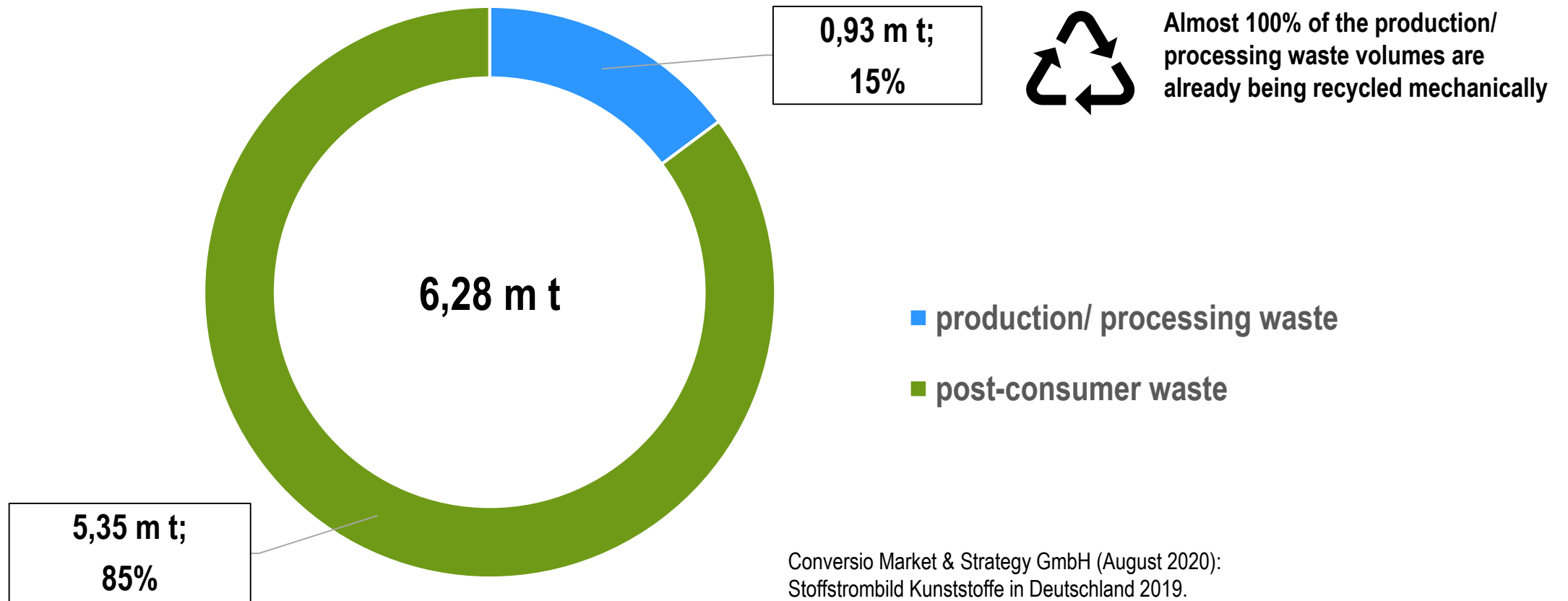
October 13<sup>th</sup> 2020

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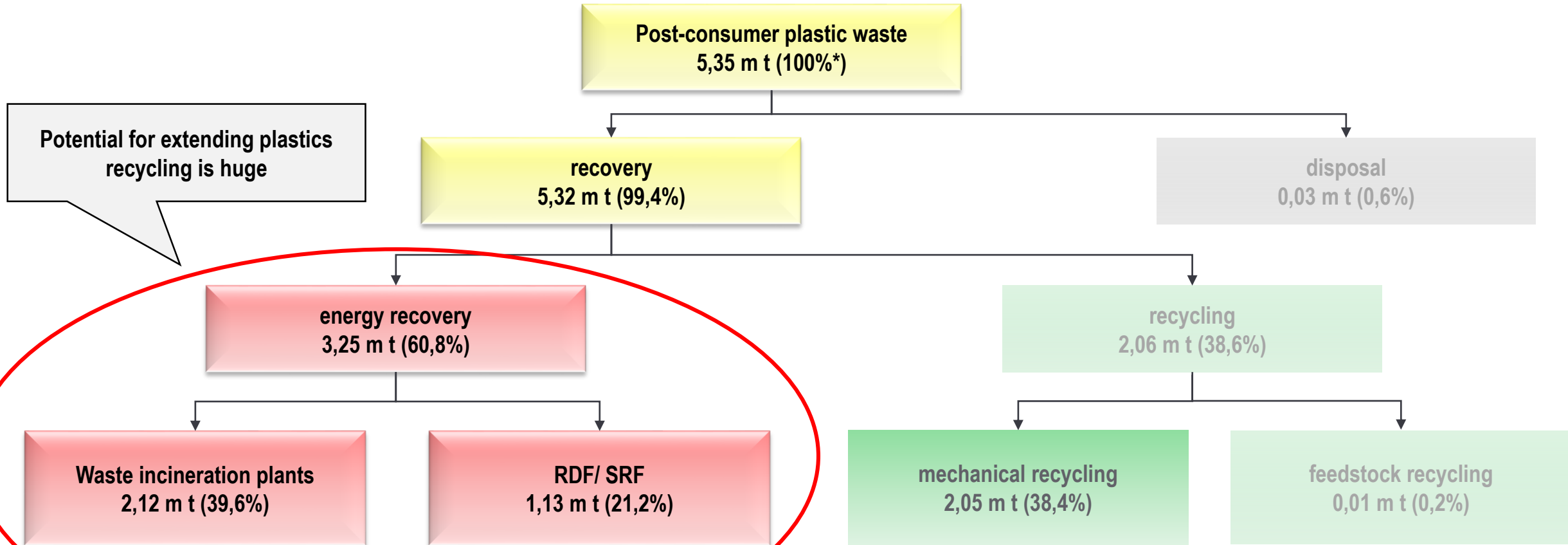
# Description of the current situation

## Volume of plastic waste in Germany 2019



# Description of the current situation

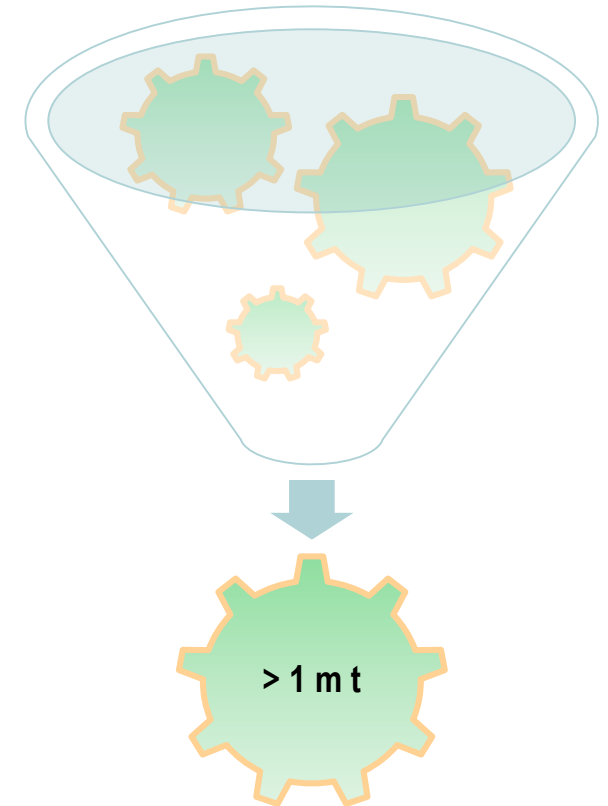
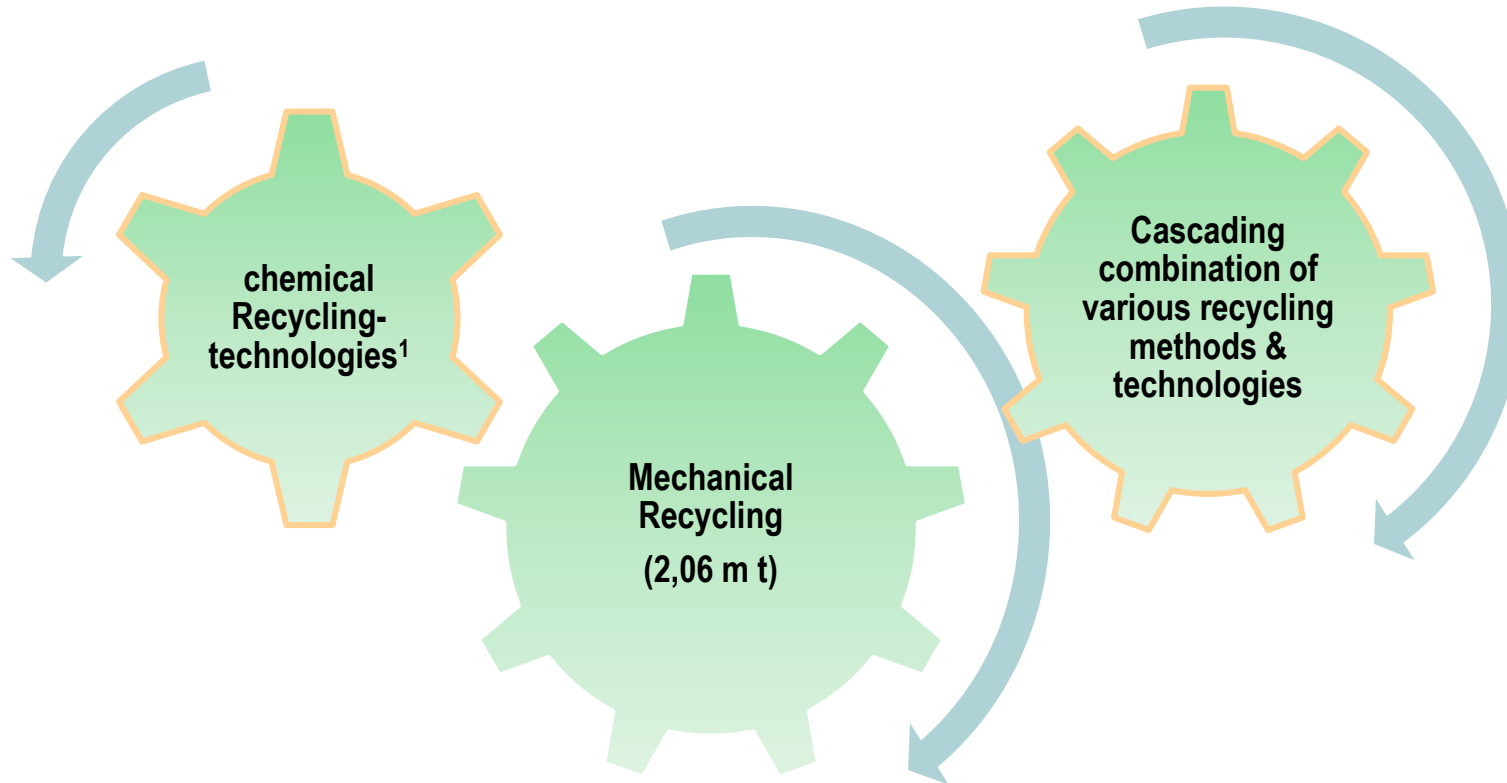
## Recovery of post-consumer plastic waste



\* slight rounding inaccuracies are unavoidable here

Conversio Market & Strategy GmbH (August 2020):  
Stoffstrombild Kunststoffe in Deutschland 2019.

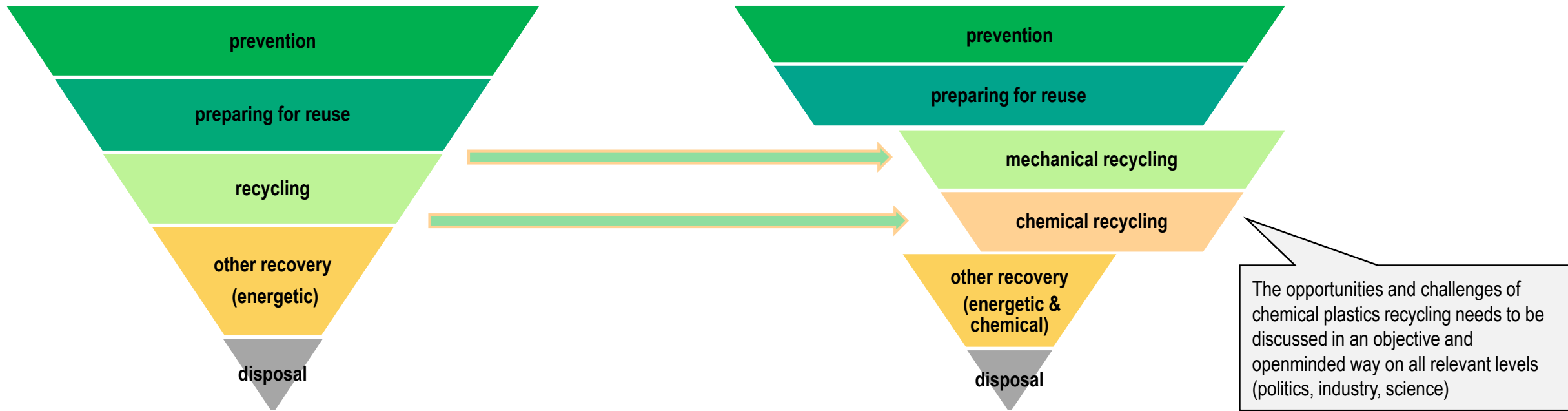
## How to make usage of the huge potential?!



**Potential for chemical recycling in middle-term**

<sup>1</sup> Thermochemical recycling technologies (gasification, pyrolysis), depolymerisation, solvolysis, solvent-based recycling technologies

# Recommendation for a waste hierarchy derived and in harmonisation with the EU WFD



## Conclusion

**The significance of chemical plastics recycling for the recycling industry is**

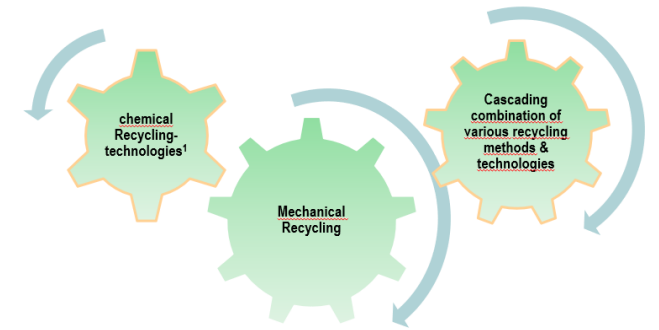
- manifold, branched and complex:

**From an technical & ecological point of view we aiming for**

- to use material flows more sensibly and environmentally consciously
- to keep carbon in circulation for as long as possible

**From an economic and holistic point of view we aiming for**

- to expand the customer relationships in the chemical, mineral oil and packaging industrie by adding a further chapter
- to offer a meaningful solution along the whole value chain of plastics recycling
  - developing chemical recycling complementary to the mechanical plastics recycling
  - closing additional (raw) material life cycles





# Thank you very much for your attention!

