



# Networking and Brokerage Event Horizon Europe MSCA Staff Exchanges Call 2026

- **Chemistry**

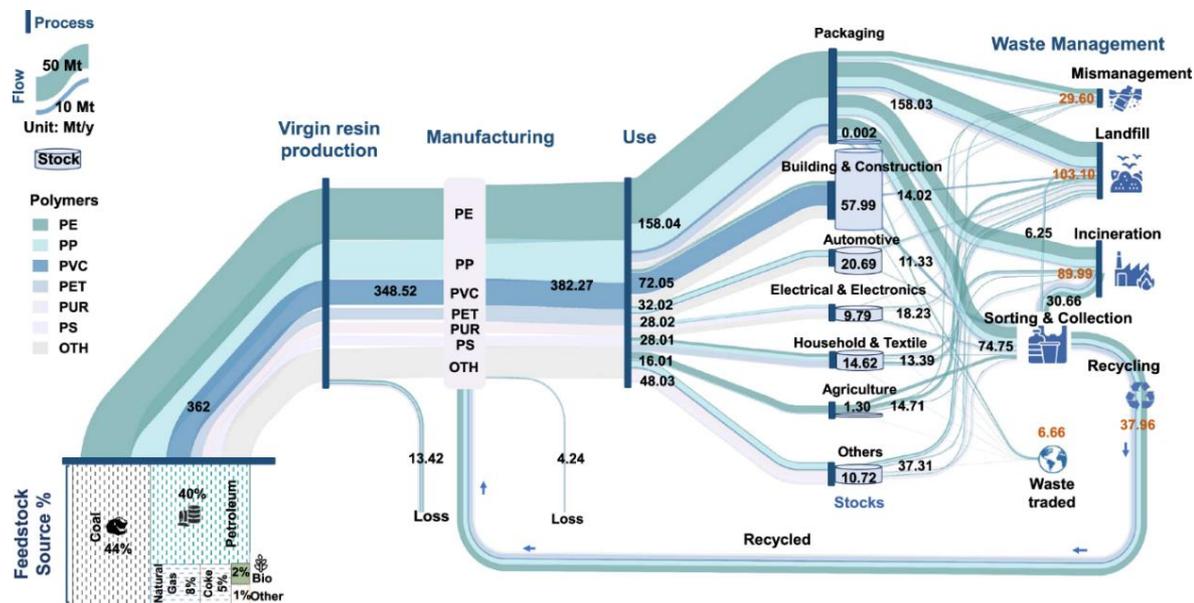
16 February 2026

- Waste polyethylene deconstruction
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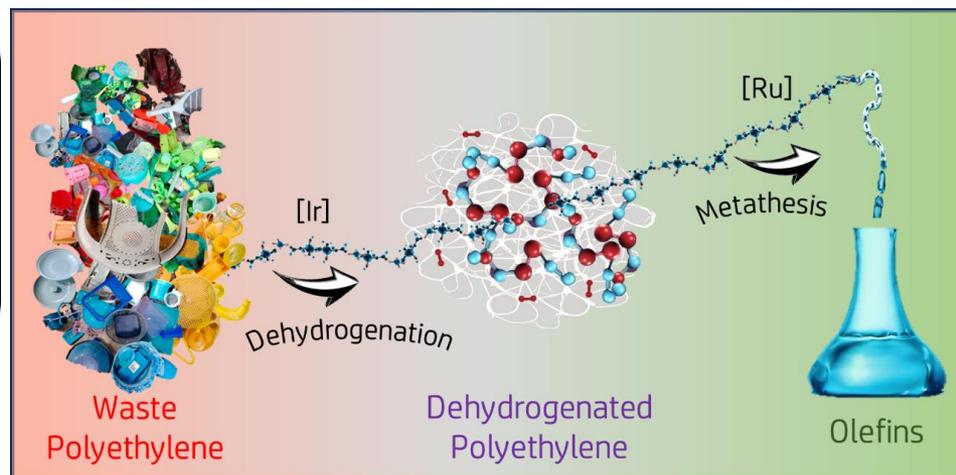
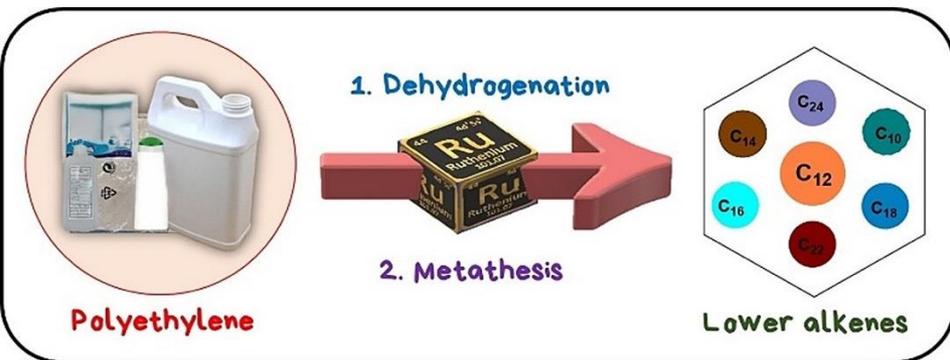
# Waste polyethylene deconstruction

## Waste polyethylene

- Polyethylene is the largest volume plastic produced globally
- PE takes about 1200-2000 years to degrade



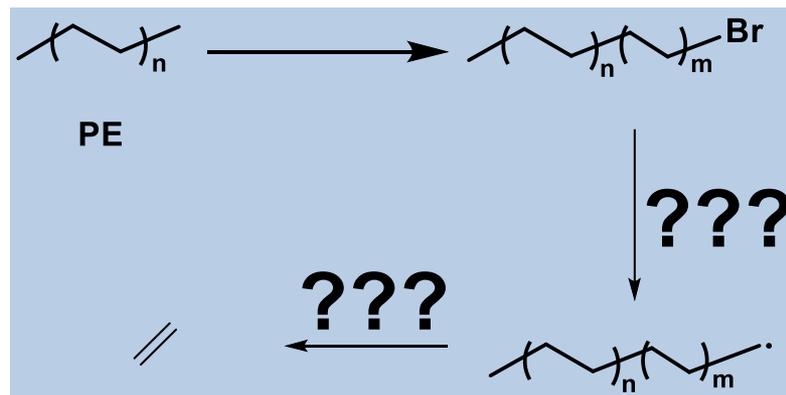
## State-of-the-art: Our contribution



# Waste polyethylene deconstruction

## Proposal

- Can we deconstruct PE to its monomer, i. e. ethylene and how?
- PE deconstruction to value added products



## Chemical-catalytic

- Not contacted
- Prof. Rinaldo Poli
- Institut Polytechnique, National  
Toulouse, France

## Electro-chemical

- Not contacted
- Prof. Lutz Ackerman
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