

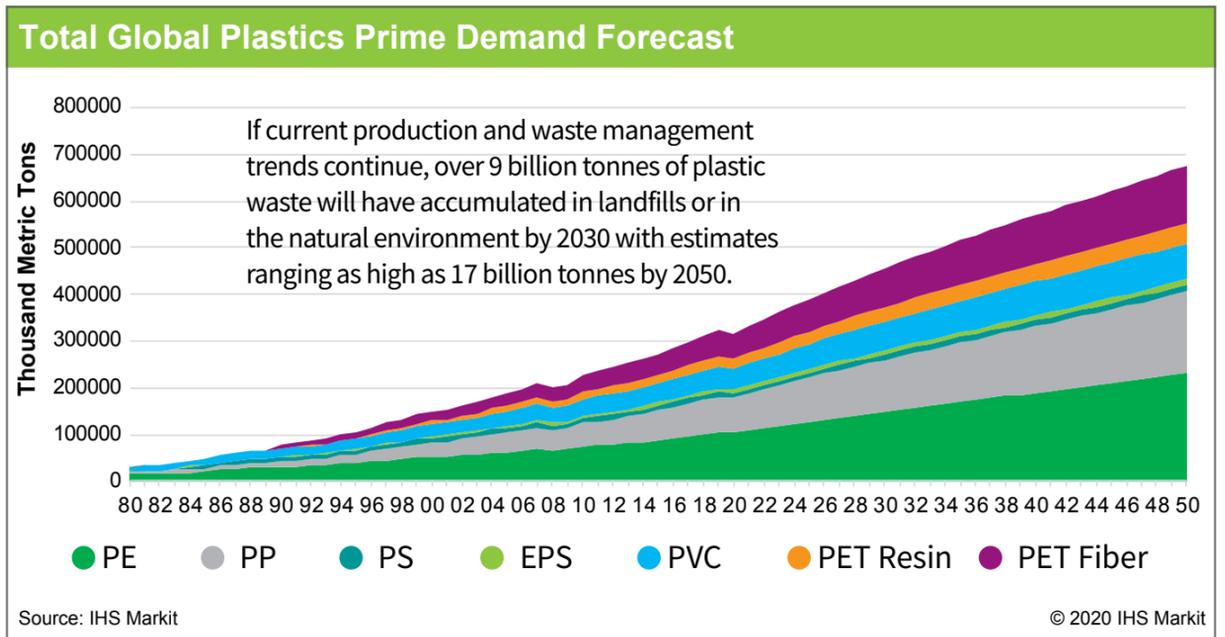
# Petrochemical industry adapting to a new normal

Plastics value chain transitions from a linear to circular economy structure



The global plastics market continues to grow, increasing risk for environmental impact.

Transition to circular plastics model becomes primary driver for petrochemicals



## Why now?

The transition to circularity remains a global priority even with new challenges



**Climate change is leading many oil companies to decarbonize their energy portfolios**

Accounting for greenhouse gas (GHG) emissions throughout the value chain is being demanded

**Disruptive forces could potentially reshape the consumption of plastics**

Plastics consumption impacts chemical industries, downstream manufacturing and supply chains

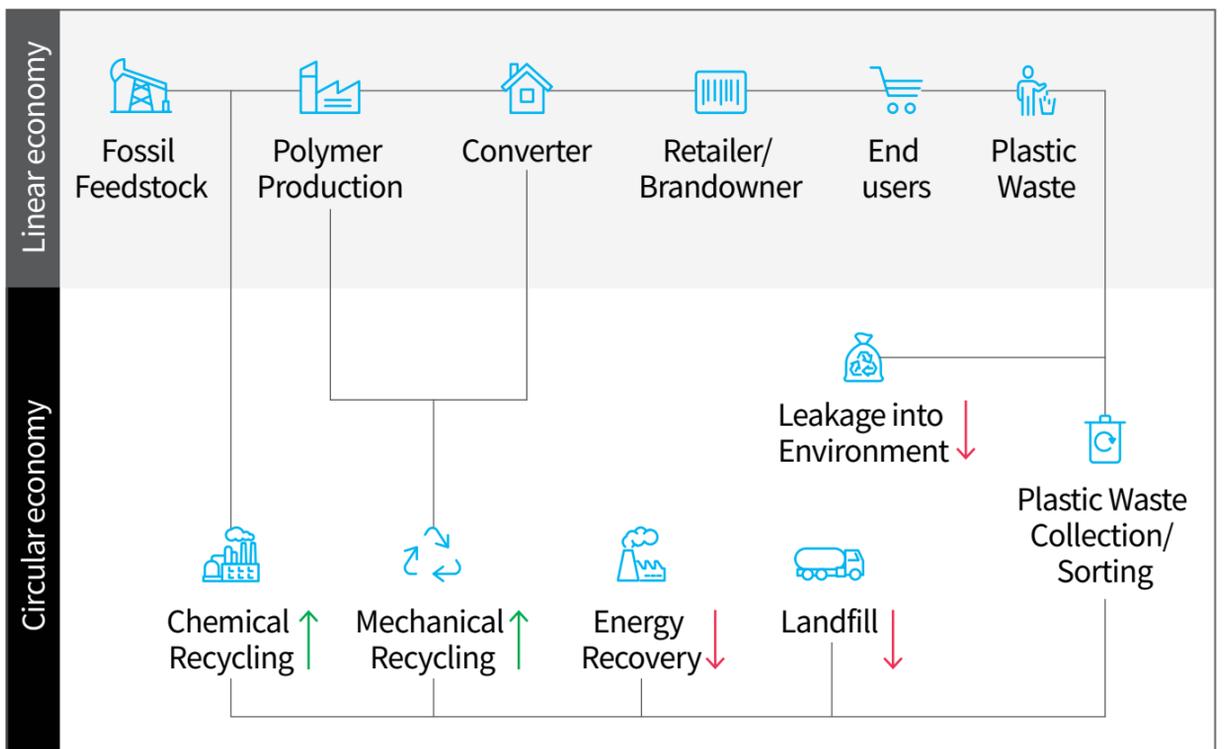
**Increasing disclosure of GHG emission data, targets and scenario stress testing**

Yet the petrochemical industry is not aligned on disclosure, metrics, or valuation

**Unmanaged plastics waste threatens the very “license to operate” for the chemical industry**

At a time oil companies looking to diversify via petrochemicals

Policy makers and stakeholders along the entire value chain are driving a transformation of the plastic economy from linear to circular; sub-scale technology, inadequate infrastructure and constrained logistics all impede progress



How will this transformation evolve and what is the impact on your business?

## New study

### IHS Markit Changing Course: Plastics, carbon and the transition to circularity

Reconfigure your strategy around the risk and opportunities as the plastics value chain transitions from a linear to circular infrastructure

- Develop a plan how to adapt different regions in the face of current and emerging legislation
- Determine what role carbon valuation have on your economics of production
- Define risk around primary resin demand
- Set expectations on recycled resin in terms of supply and fit for use

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