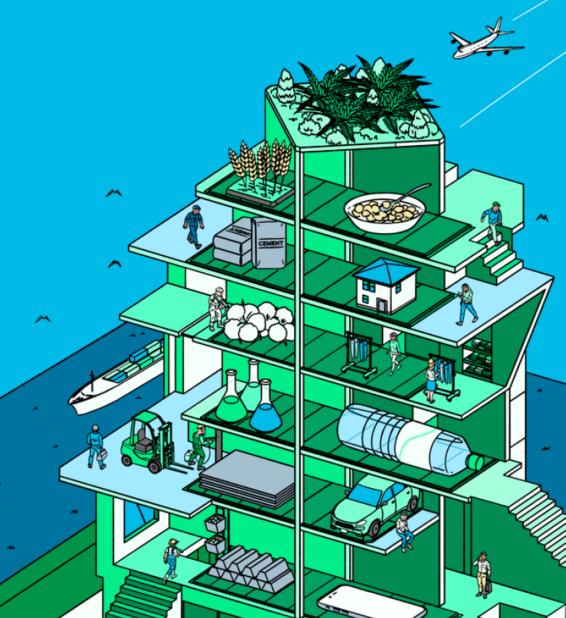


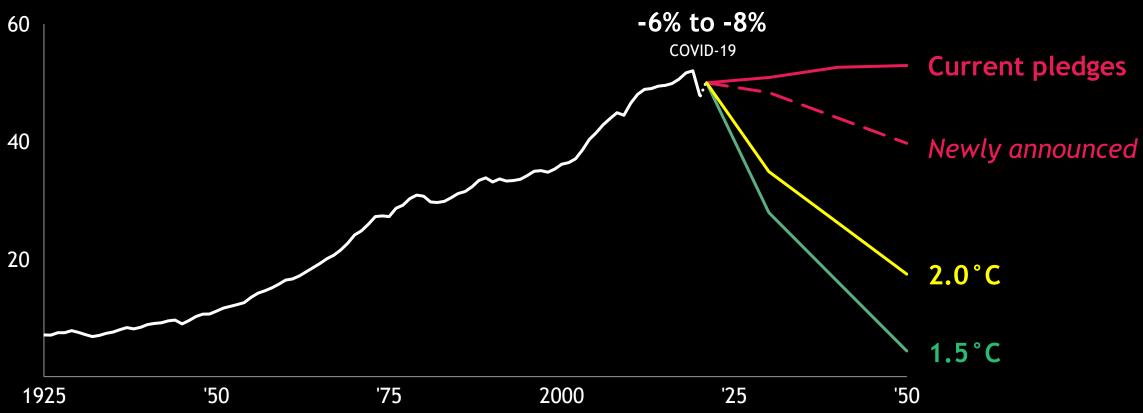


Net-Zero Challenge: The Supply Chain Opportunity



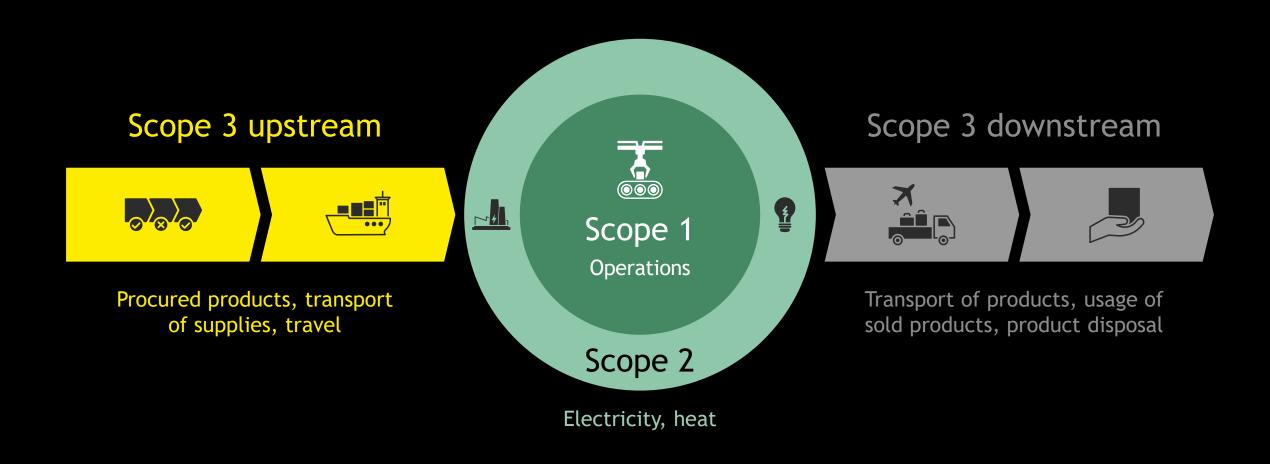
Post-COVID, the world needs accelerated climate action

Global net CO₂e emissions and pathways (Gigatons per year)



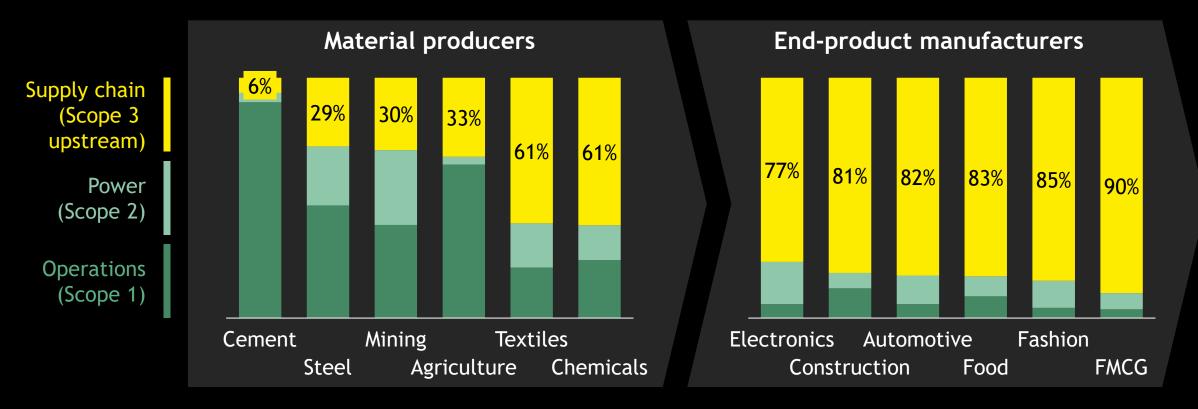
Note: Current pledges assume countries decarbonize further at same annual rate required to achieve NDCs between 2020 and 2030; Newly announced path reflects high-level net-zero ambitions communicated by China, EU, Japan, South Korea, Argentina; 2.0°C path and 1.5°C path based on emission reductions required by respective 2018 average IPCC scenarios Source: EEA, EDGAR 5.0, EC, IEA, FAO, PRIMAP-hist v2.1, Global Carbon Project, IPCC, UNEP Emissions Gap Report, WRI, Nature (May 2020), BCG

Tackling supply chain emissions could provide a solution



End-product manufacturers can have huge impact

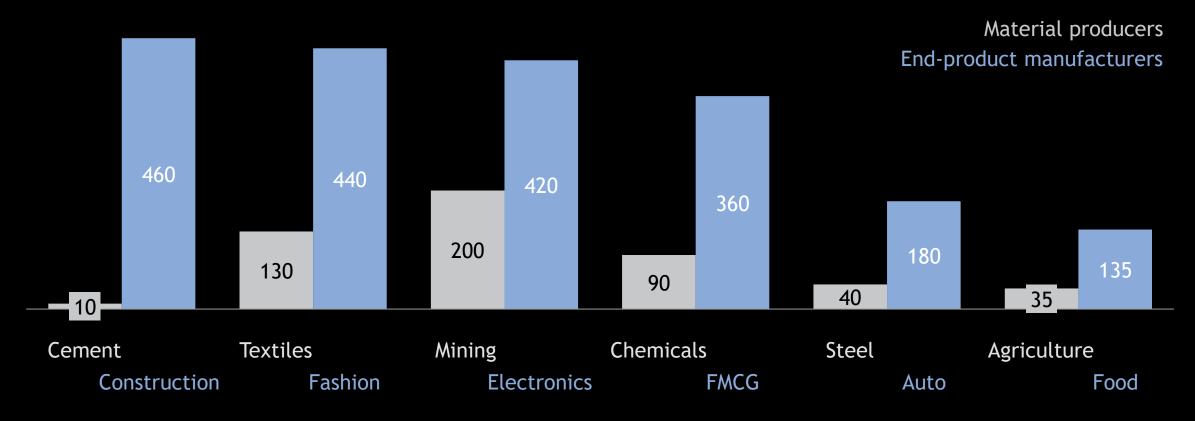
Emissions split (CO₂e, 2019)



Note: Companies selected based on no. of reported Scope 3 upstream categories; FMCG = Fast-moving consumer goods Source: CDP, BCG

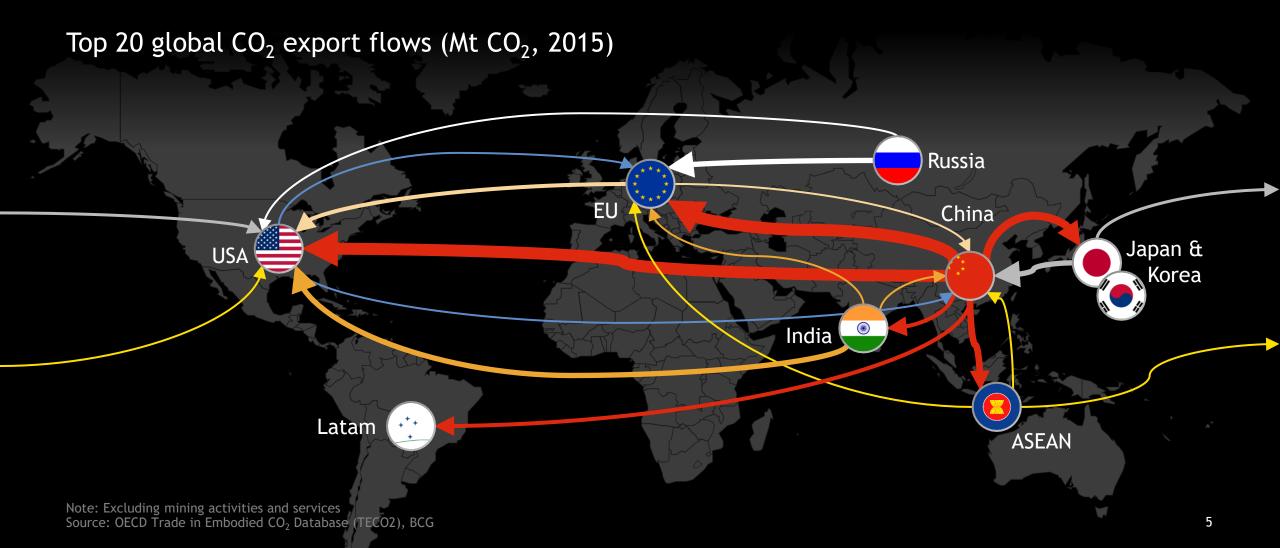
End-product manufacturers can pay more for abatement

Net income per ton of emissions (€/t CO₂e Scope 1+2+3 upstream, 2019)

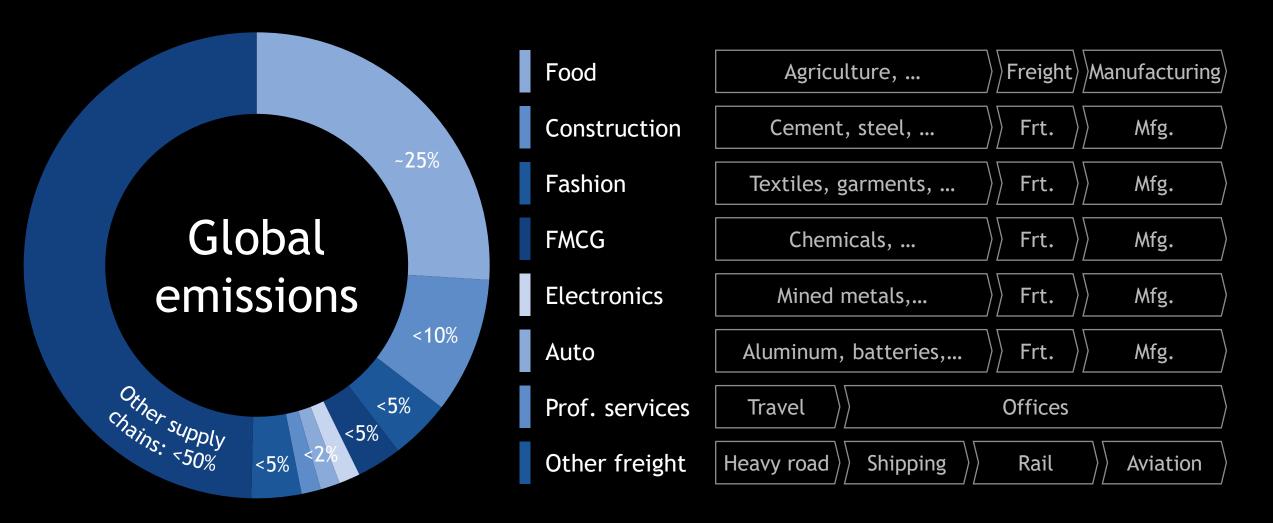


Note: Analysis based on companies selected on number of reported Scope 3 upstream categories and industry fit; FMCG = fast-moving consumer goods Source: CDP, BCG

Supply chain action also addresses 'imported emissions'



8 supply chains are responsible for >50% of global emissions

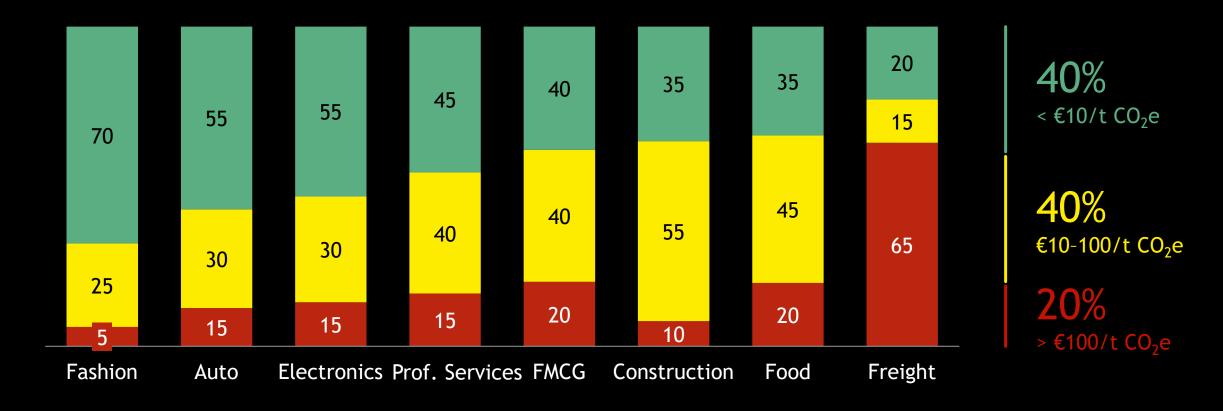


Eight levers to implement across supply chains

	Average costs	Maturity
Circularity/recycling		
Material & process efficiency	< €10/t CO ₂ e	
Renewable power		
Renewable heat		
New processes (e.g., H ₂ for steel)	€10-100/t CO ₂ e	
Nature-based solutions		
Fuel switch	> €100/t CO ₂ e	
Carbon capture		

We can abate ~40% emissions at very low cost

Share of abatement lever cost by value chain (%)



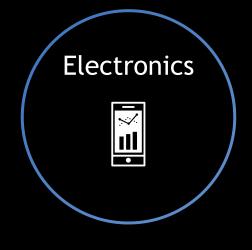
Full decarbonization has low impact on end price











<€500

<2% avg. cost increase on a €40 pair of jeans

<4% avg. cost

increase on a

€20 shopping basket

<3% avg. cost increase on a €150k home

<1% avg. cost increase on a €400 smartphone

increase on a €30k car

<2% avg. cost

Note: Prices are indicative for each product/ basket

CREATE TRANSPARENCY

Build emissions baseline, share data with suppliers

Re-design products for sustainability

Re-design products for sustainability

Set targets on Scopes 1-3 and report progress

CREATE FOR CO₂

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CREATE SUPPLIERS

PUSH THE ECOSYSTEM

Join 'buying groups' to scale green demand

Work with suppliers to address their emissions

Engage with peers, gov't investors & customers

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Tesla re-designed cars to save weight and extend battery reach

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Maersk advocates for ambitious sector-level target at International Maritime Organization (IMO)

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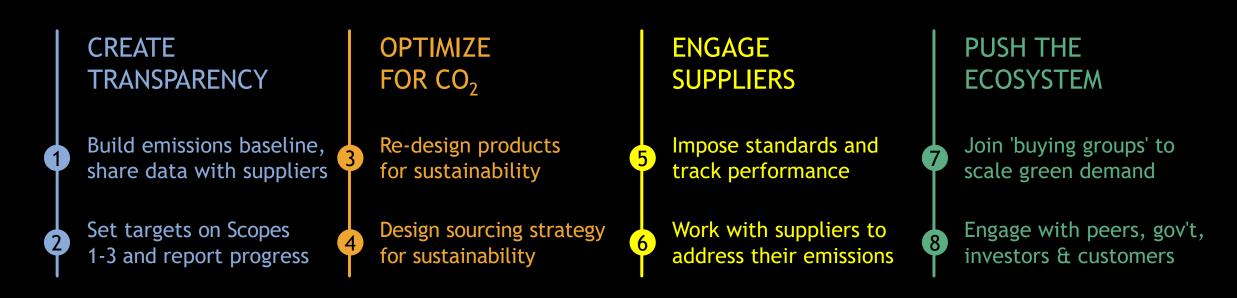
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Thank you

See here to download the full report:



www.weforum.org/reports/ net-zero-challengethe-supply-chainopportunity

