



Integrating circular economy to accelerate the deployment of climate technologies

**2021 CTCN ASIA-PACIFIC Forum on
Accelerating Climate Action through Climate Technology Transfer
7th July 2021**

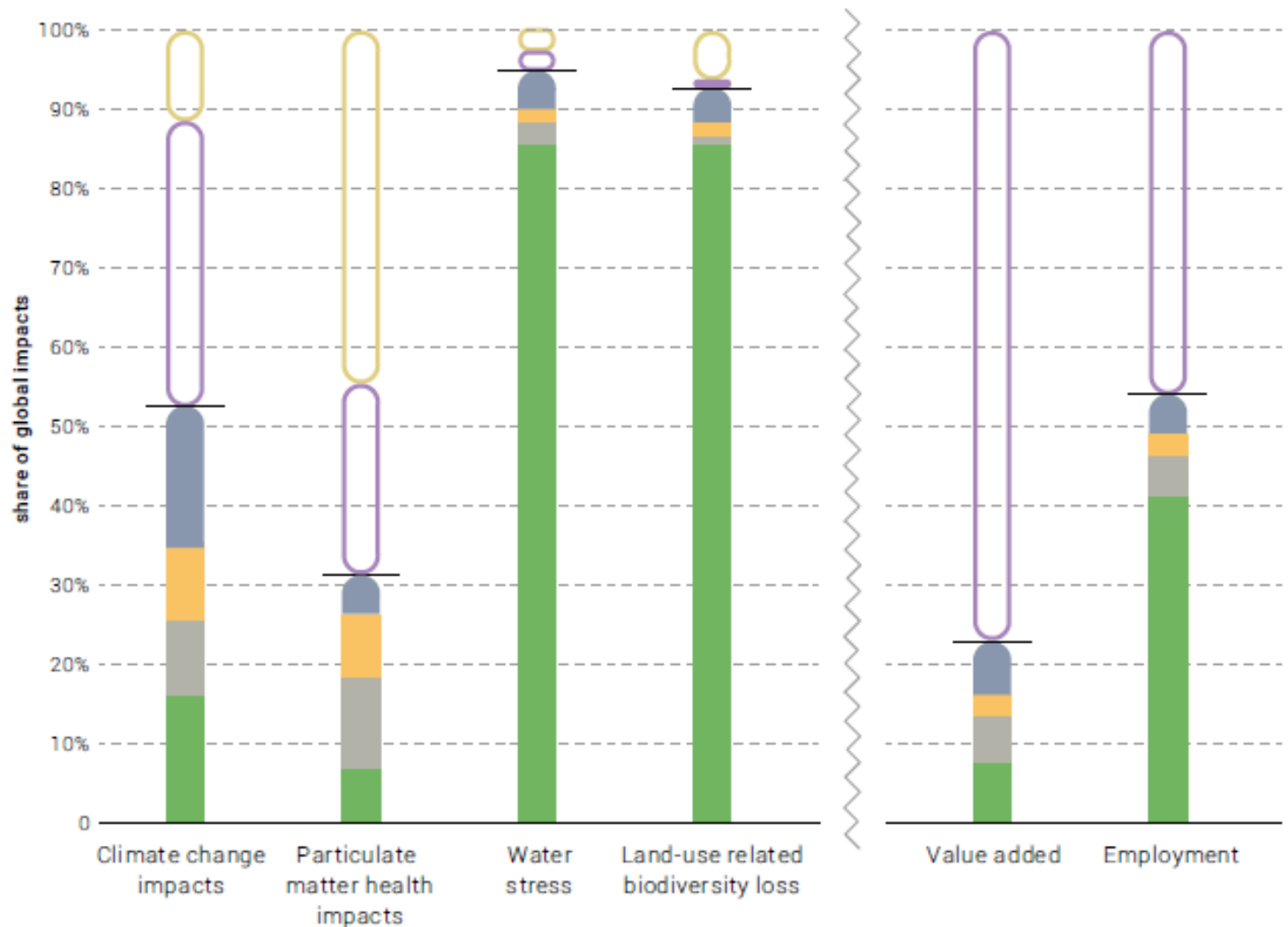
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Resource extraction and processing are key to climate action

- Resource extraction and processing make up about half of global GHG emissions
- Resource efficiency and SCP could slow growth in global resource use by 25%, grow global GDP 8%, and cut GHG emissions by 90% compared with BAU by 2060

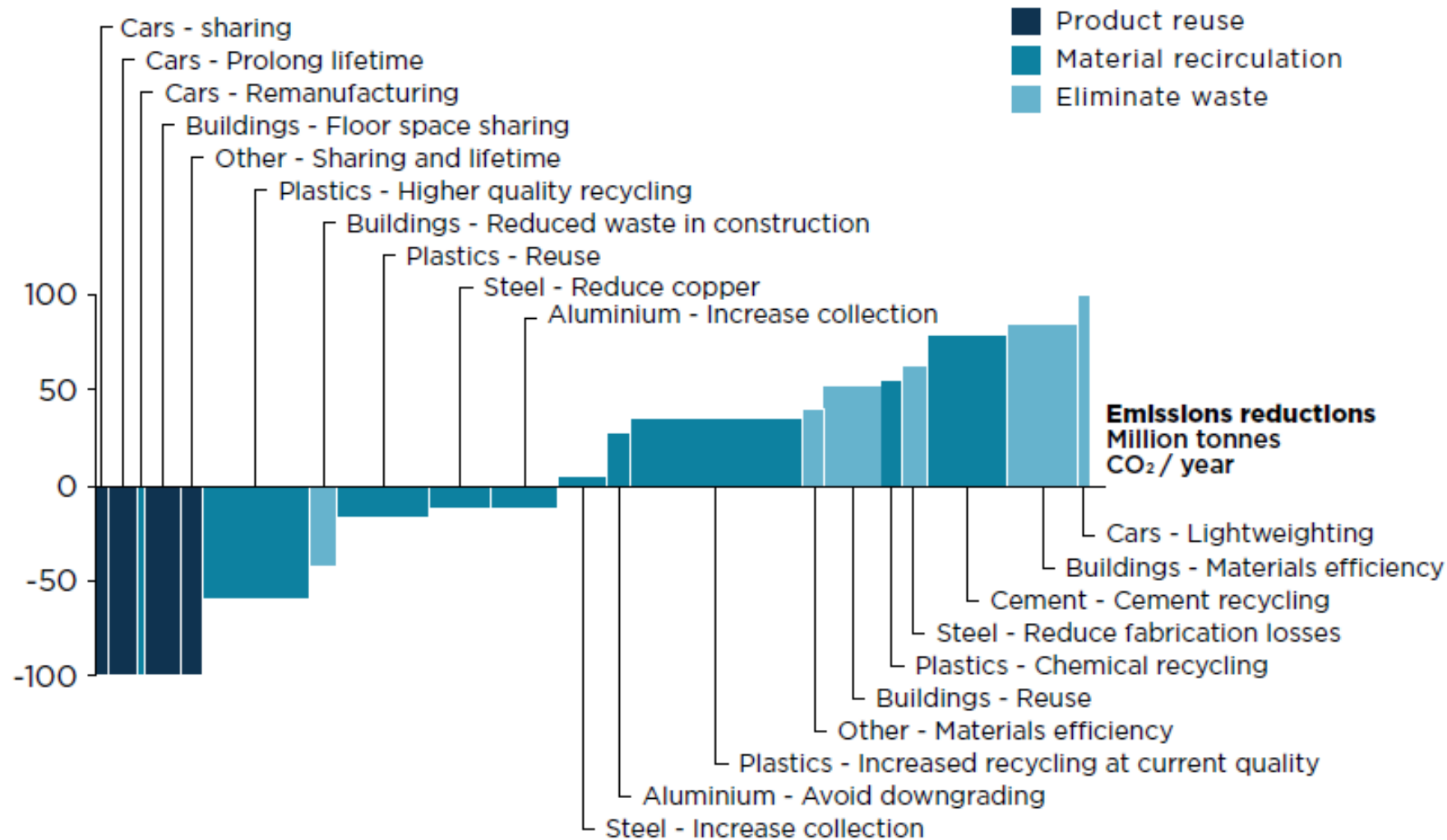
UNEP / IRP, Global Resource Outlook 2019

Global impacts split by resource type, remaining economy and households



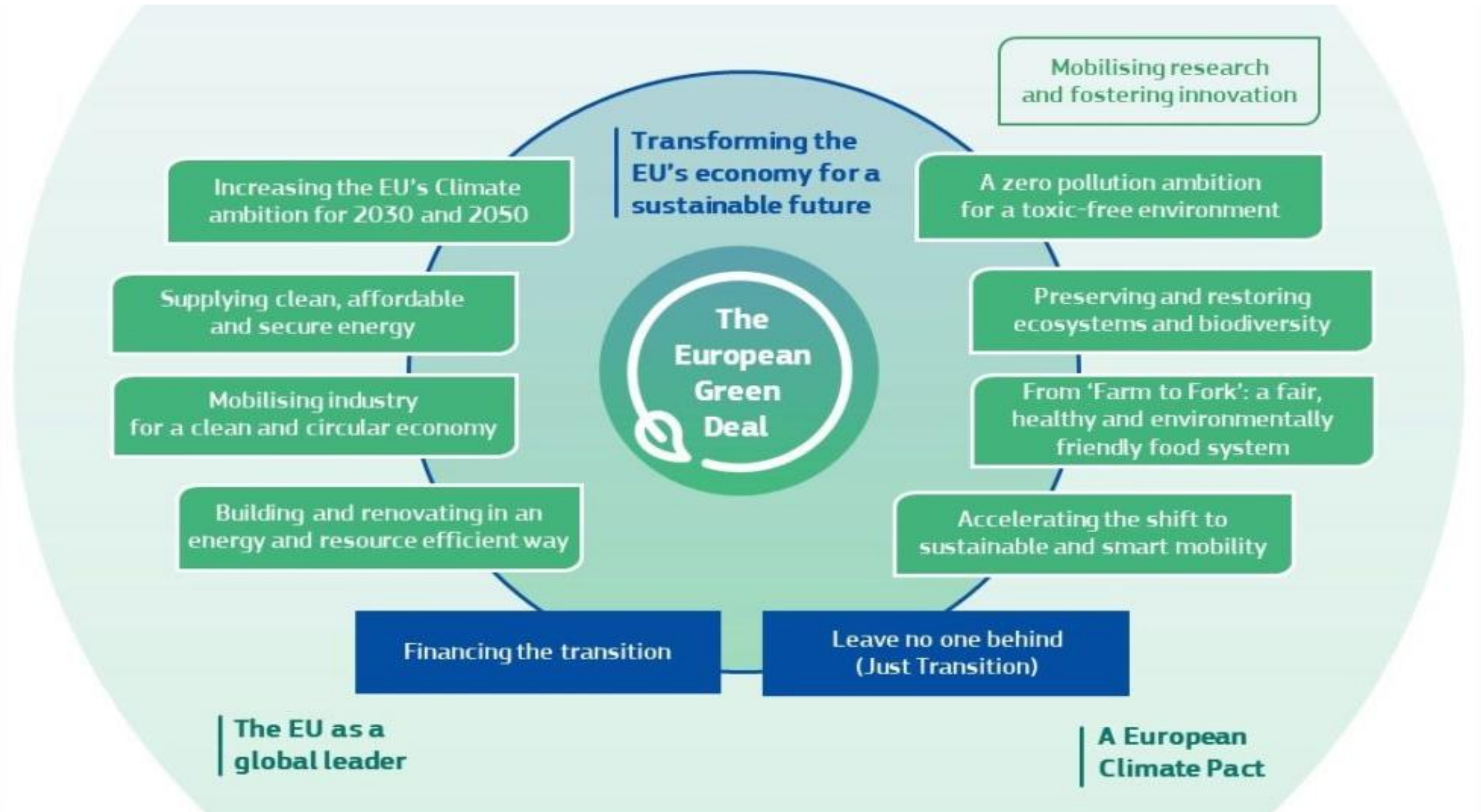
Emissions reduction potential from Circular Economy Business Models

Cost of emissions reductions
EUR / tonne CO₂



Source: Material Economics, "The Circular Economy – A Powerful Force for Climate Mitigation" (2018). In Circle Economy 2019: Completing the Picture: How the Circular Economy Tackles Climate Change

EU's approach: A common framework for Circular Economy and Climate action



EU Circular Economy Action Plan: Key Priorities

Circular Economy Action Plan

The European
Green Deal

Sustainable Product Policy Framework

- Design sustainable products
- Empower consumers
- Circularity in production processes

Key Product Value Chains

- Electronics / ICT
- Batteries / Vehicles
- Packaging
- Plastics
- Textiles
- Construction / Buildings
- Food, water

Less Waste, More Value

- Waste reduction and circularity
- Reduce the use of hazardous substances
- Secondary raw materials market
- Addressing waste exports

Circular Economy for People, Regions, Cities

- Support skills development
- Support CE through cohesion policy, Just Transition Mechanism and urban initiatives

Global Level

- Outreach
- External Action programmes
- Trade agreements
- Global agreements (plastics)
- Global Alliance

Cross- Cutting

- Circularity as a prerequisite for **climate neutrality**: Analyse impacts of circular economy on climate mitigation
- **Research, innovation and digitalisation**: support to private innovation, development of indicators and data on new production and recycling technologies, skills development, architecture and governance for digital applications (product passport...)

Application to EU international cooperation on circular economy

Inspiring and Learning	
Enabling	
Financing	
Implementing	

switchasia
GRANTS PROGRAMME



Funded by the European Union

IMPACT SHEET: Asian Cleantech MSME Financing Network (ACMFN)

Promoting Sustainable Cleaner Development



Building and leveraging a cleantech financing eco-system to spark improved access to finance for Asian cleantech enterprises and enhanced sustainable consumption and production patterns in Asia

Biomass Gasification Technology - Sustainable Energy for Agri-Food Processing and Waste Management



IMPACT SHEET: METABUILD

Creating a resource-efficient SME supply chain for metal products in the building sector in South Asia



Resource-efficient metal products SMEs