



ENERGY TRANSFORMATION & INNOVATION

Works in Collaboration with



Climate-KIC

Climate-KIC is supported by the
EIT, a body of the European Union



Our Vision

Climate-KIC Australia is a Knowledge and Innovation Community dedicated to creating a climate resilient, liveable and thriving Australia for all with a zero carbon, circular economy.



New Pathways to transition are already available

- Energy Transition Commission - Mission Possible
- Climateworks – Decarbonisation Futures
- Decaprio, UTS, UOM, DLR – One Earth Climate Model
- A2EP - Value Chain Research

Transformative Change is Required

Continuing to work through gradual, incremental changes will not be enough. What is needed now is a fundamental transformation of economic, social and financial systems that will trigger exponential change in decarbonisation rates and strengthen climate resilience.

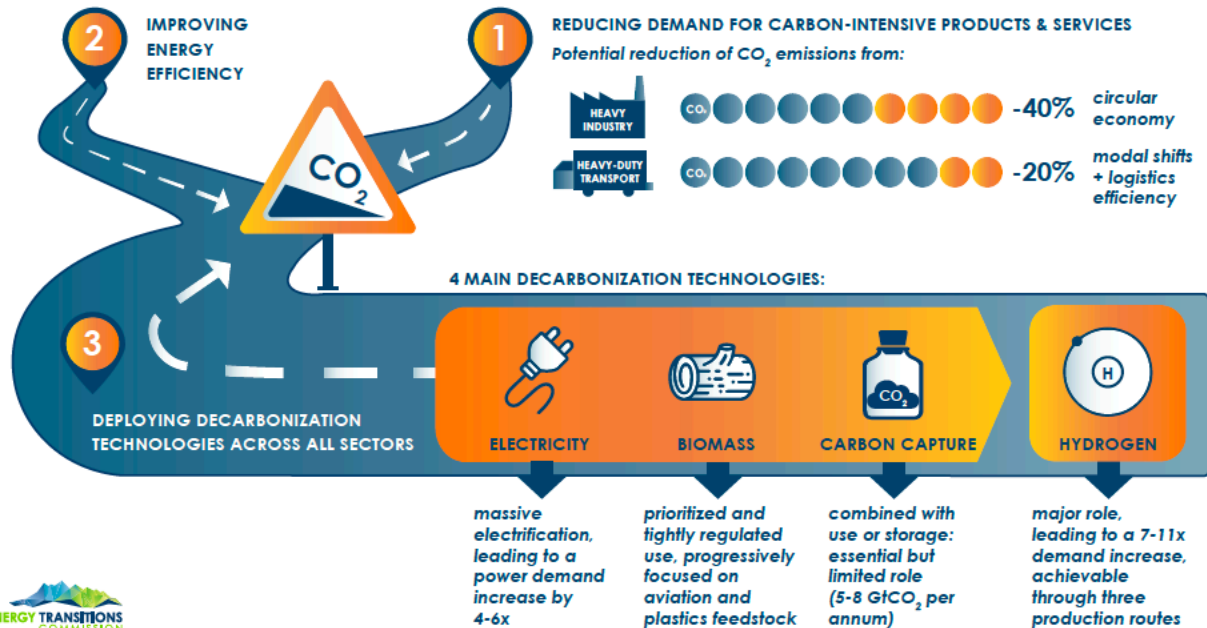
Need to abate the hard things as well!



REACHING NET-ZERO CO₂ EMISSIONS FROM HARDER-TO-ABATE SECTORS BY MID-CENTURY IS POSSIBLE



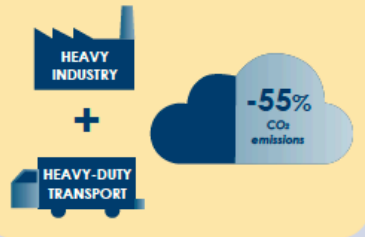
THERE ARE THREE MAIN ROUTES TO DECARBONIZATION



WHY ENERGY EFFICIENCY AND DEMAND MANAGEMENT MATTER

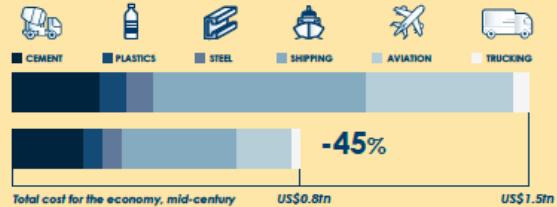
IN THE HARDER-TO-ABATE SECTORS, ENERGY EFFICIENCY IMPROVEMENTS AND DEMAND MANAGEMENT CAN:

REDUCE CO₂ EMISSIONS

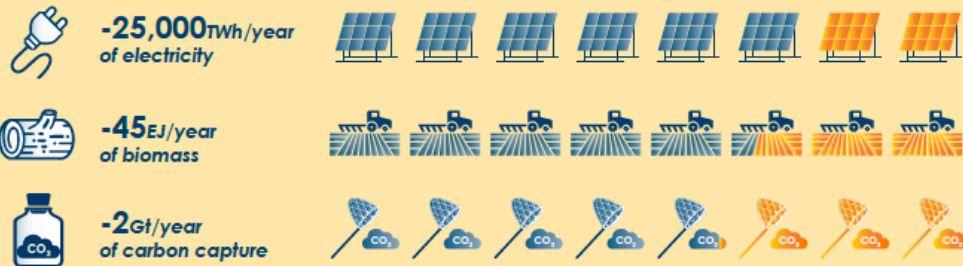


REDUCE COST

of decarbonizing harder-to-abate sectors:



REDUCE THE SCALE AT WHICH DECARBONIZATION TECHNOLOGIES NEED TO BE DEPLOYED

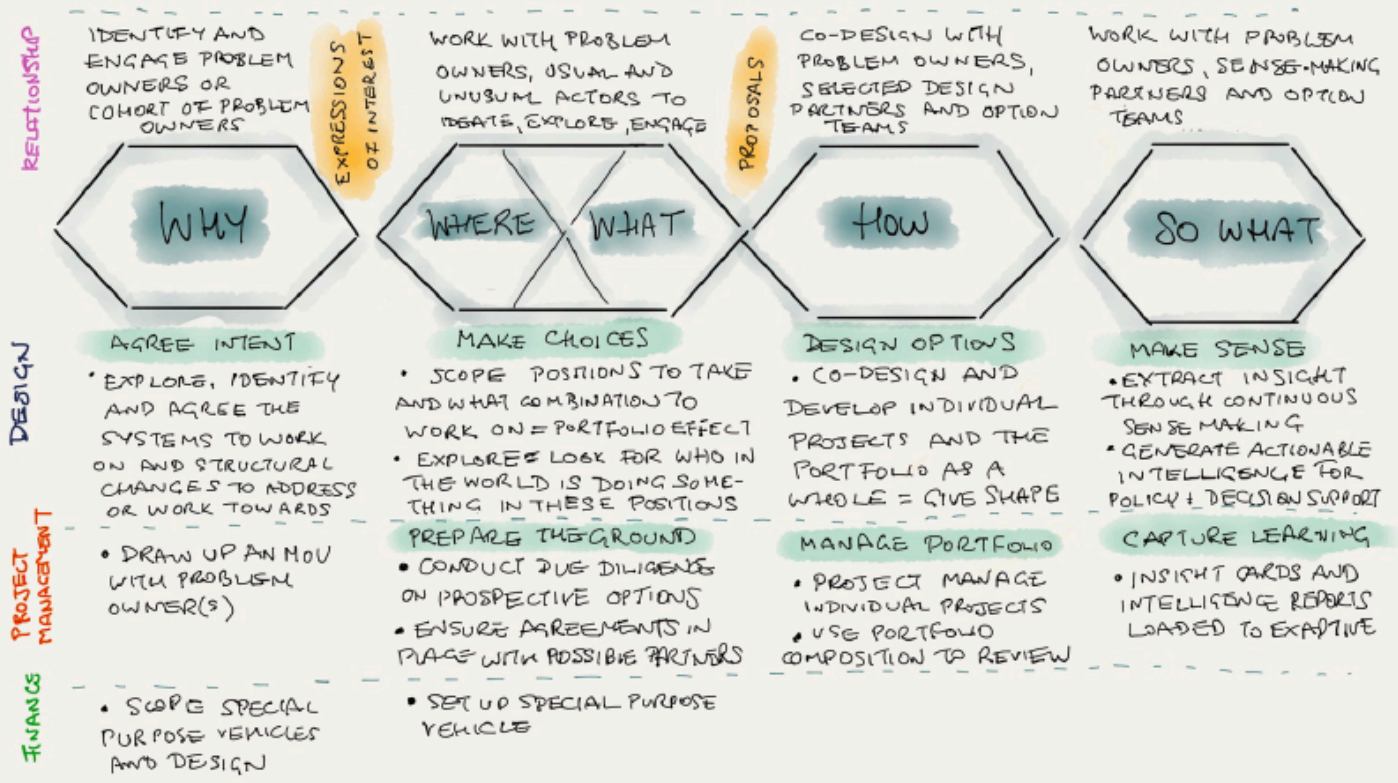


EIT Climate-KIC

Deep Demonstration Projects

- Deep Demonstrations of Just Transition for Europe's Heavy Industrial and Coal Regions
- Healthy Cities; Maritime Hubs; Circular Economy; Finance; Carbon Sinks; Resilient Regions.
 - Demand Led
 - Systems innovation Approaches – matching demand with innovation communities and tackling multiple levers of change
 - Identify the fastest pathways to change.

DEEP DEMONSTRATIONS DESIGN PROCESS



FIVE STEPS TO INNOVATION



Bring key
players together



Identify
needs



Find
ideas



Turn ideas into
viable solutions



Connect solutions
with investors



A blue-tinted landscape of mountains and clouds. The scene shows multiple layers of mountain ranges receding into the distance, with soft, white clouds filling the valleys and clinging to the lower slopes. The overall atmosphere is serene and expansive.

Thank you