

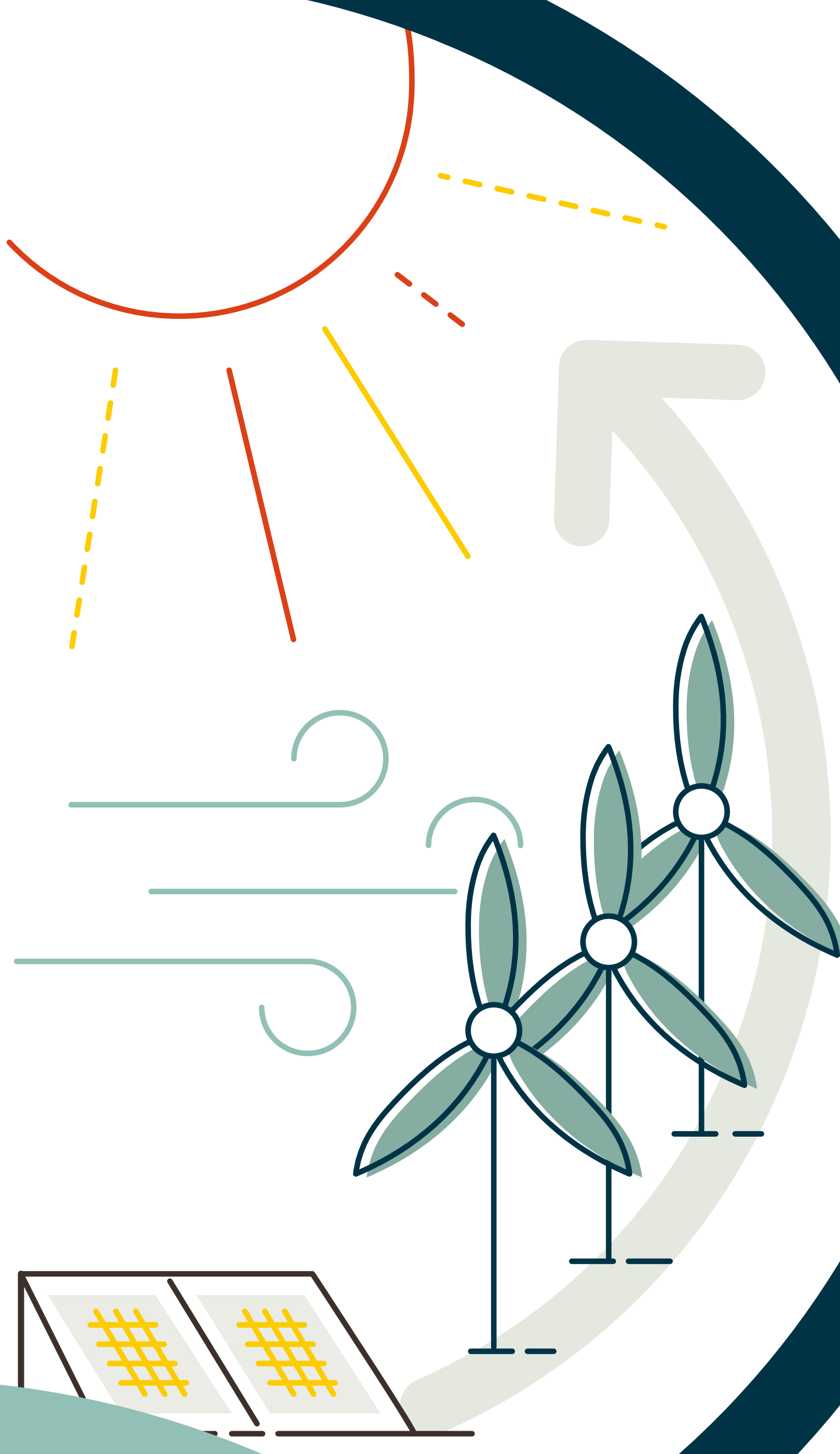


# Responsible Copper #Climate

ICA members are investing in climate-change mitigation.

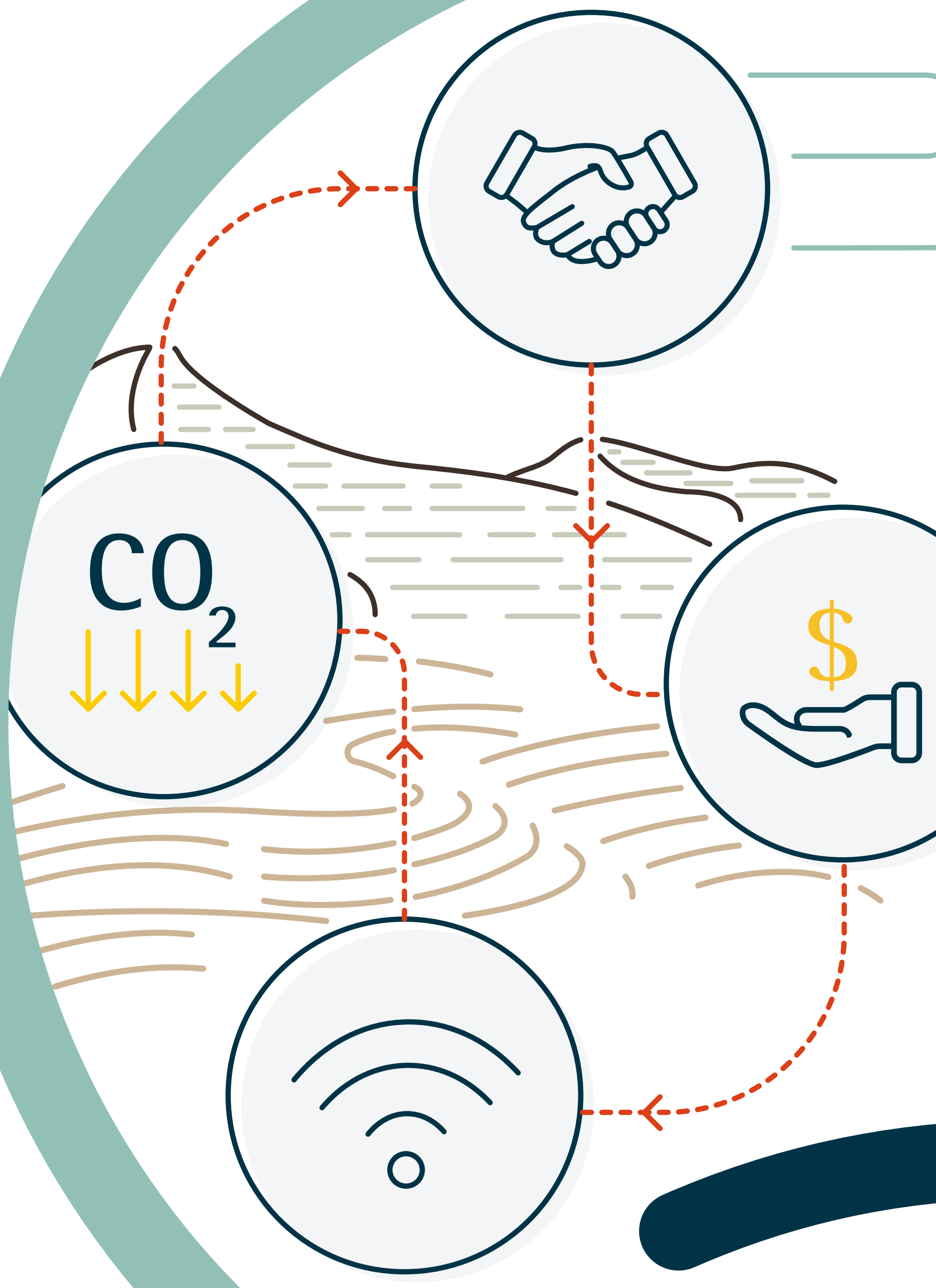
## Sustainable Development Indicators

Each year a subset of ICA members, representing 40 – 50% of copper production, share sustainability metrics with ICA. These members invest \$19b a year in sustainable-development activities. As a result, the industry has already reduced its per unit energy consumption by 60% since 1990.



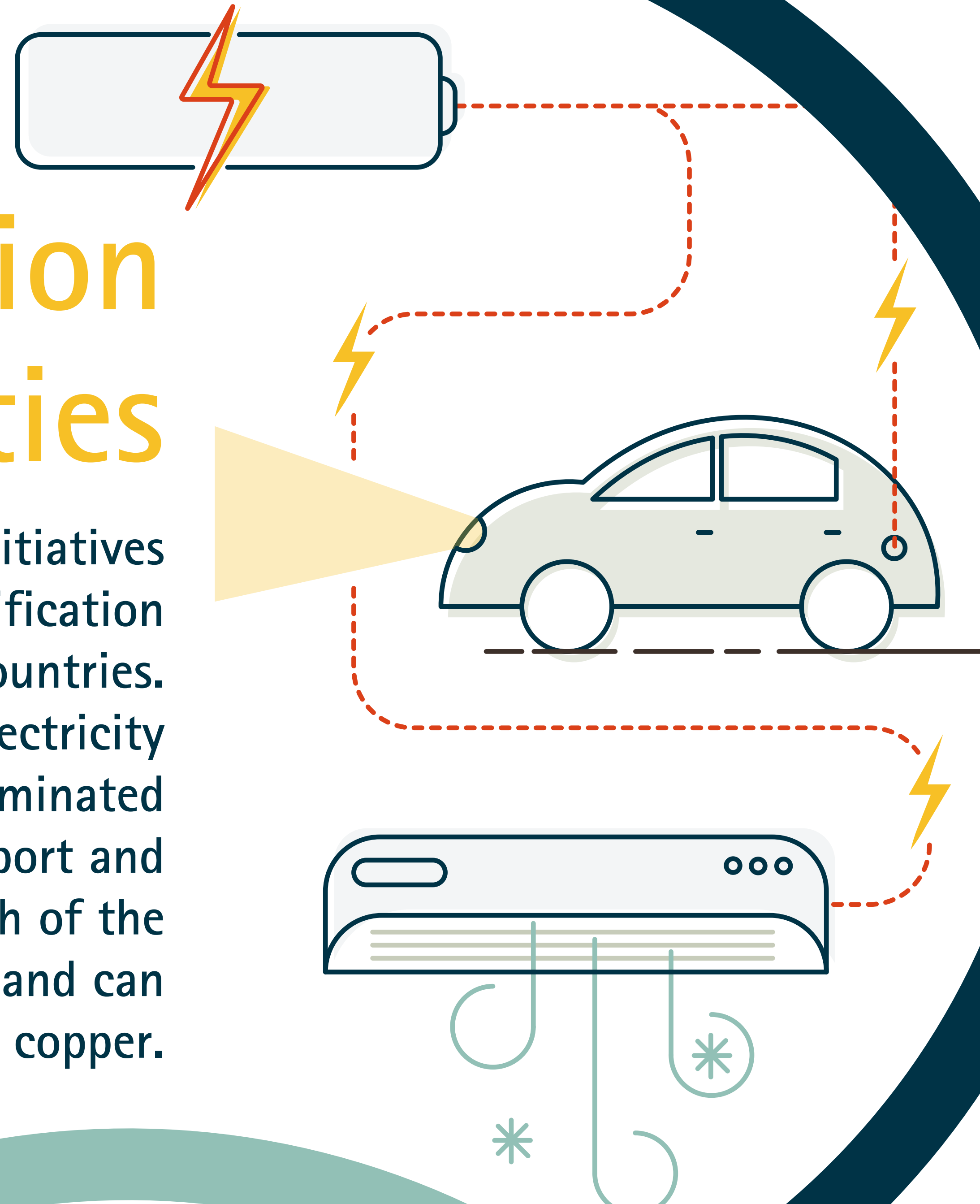
## Rio Tinto and Anglo American

Rio Tinto and Anglo American, along with the German government, are the founding donors of the Climate Smart Mining initiative. The program aims to minimize the environmental impact and climate footprint from the extraction and processing of minerals and metals used in clean energy technologies.



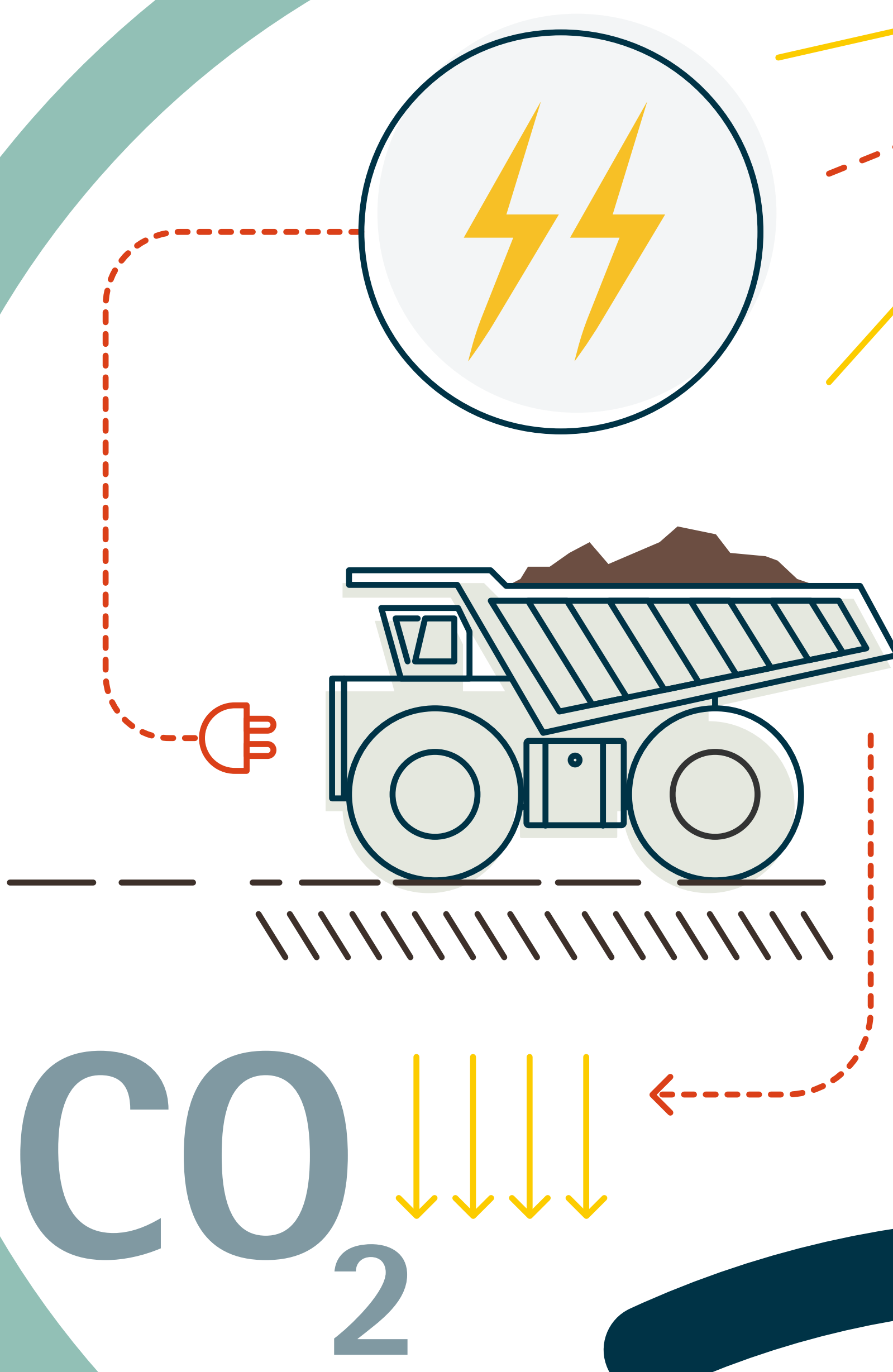
## Electrification Activities

ICA members monitor investment initiatives to finance on-the-ground electrification activities in developing countries. Expanding electrification means electricity is moving into sectors previously dominated by fossil fuels, such as transport and heating and cooling systems. Much of the relevant technology already exists and can be powered by copper.



## Boliden

Together, Boliden, Caterpillar, ABB and Eitech are piloting a clean tech initiative using electric trucks at mines in Sweden to move material more efficiently. After the trucks become fully operational, electricity will further accelerate GHG reductions up to 80 percent. The first electric truck went online in September 2018.



## KGHM

KGHM (Poland) modernized its copper production line with the world's largest flash furnace and electric furnace installation at the Głogów Copper Smelter/Refinery in Poland. This unique technology allows KGHM to recover valuable metals from its own deposits of copper ore.

