



**NET-ZERO  
INDUSTRIES**  
MISSION



**CARBON DIOXIDE  
REMOVAL**  
MISSION

The background features a hand holding a magnifying glass over a glowing green CO2 cloud. Surrounding this central image are several white icons: a target with an arrow, a globe held by two hands, a hand holding a plant, a recycling symbol, a factory with smoke, and wind turbines. The overall theme is industrial sustainability and carbon management.

**>> BEYOND CAPTURE: CO<sub>2</sub>  
MINERALIZATION AND CARBON  
CIRCULARITY FOR A NET-ZERO INDUSTRY**

**Online Webinar via MS Teams**



April 21, 2026



10:00am-11:30am CEST



6:00pm-7:30pm AEST

**NIM INDUSTRY INSIGHTS WEBINAR SERIES**

# Net-Zero Industries Mission (NIM)

## The challenge

- Energy-intensive industries (steel, cement, chemicals, and users of high temperature heat) are responsible for around **25 % of GHG emissions worldwide**
- Energy-intensive industry is **the most expensive sector to decarbonize**
- Some low carbon **technologies are not yet available at commercial scale**

## Mission Goals



- ✓ Support the global implementation of at least **50 large-scale demonstration projects** by 2030.



- ✓ Fast-track the development of **breakthrough low-emission technologies to TRL 8.**



- ✓ **Reduce capital expenditure** on low-emission innovative technologies **by over 15%.**

# Agenda

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## **Welcome**

by the Net-Zero Industries and Carbon Dioxide Removal Mission

## **Keynote: Mineral carbonation as the missing link between capture and circularity**

Sophia Hamblin-Wang, MCI Carbon

## **The Jizan Carbon Mineralization Pilot**

Professor Hussein Hoteit, KAUST

## **Carbfix: Turning CO<sub>2</sub> into stone since 2012**

Angeliki Kapatza, Carbfix

## **Riding the Flux: CO<sub>2</sub> Utilisation in Diverse Operating Environments**

Dr Kun Viviana Tian, MEH Italy

## **Research Progress on Carbon Dioxide Mineralization Utilization Technology**

Professor Tao Wang, Zhejiang University

**Panel Discussion (25 min)**, moderated by Dr Alan Monaghan

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