

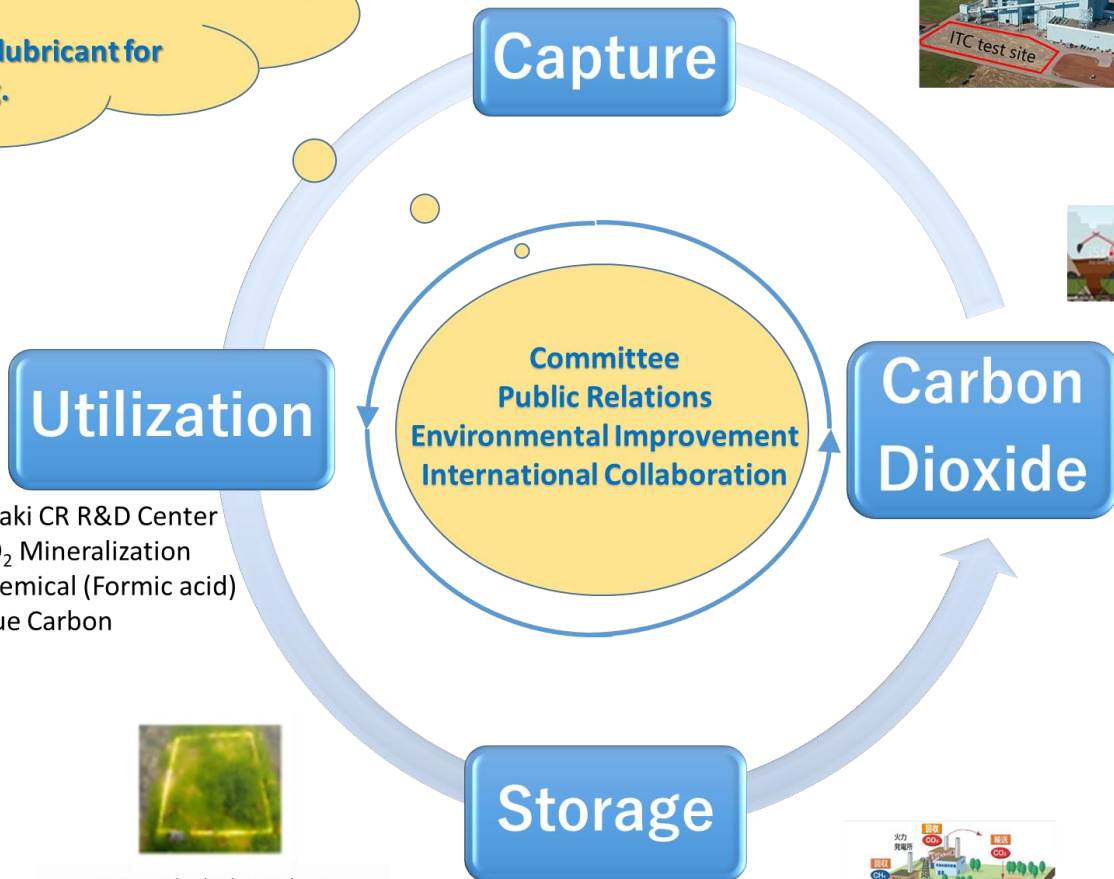
JCOAL Carbon Recycling Activities

◆ **CO₂ is precious resources.**
Carbon Recycling and Storage is important.
 ◆ **JCOAL act as the lubricant for Carbon Recycling.**

- Dry-Amine CO₂ Capture in Wyoming ITC (MOE/USA)
- Chemical Looping Combustion (NEDO/Japan)



Source: Osaki CoolGen Corporation
 Establishment of the CO₂ Utilization research base (NEDO/JAPAN)



Coal Mine



Power Plant, etc.

Domestic

- Coal Mine,
- Power Plant, Steel Plant
- Cement Factory,
- Chemical Facility

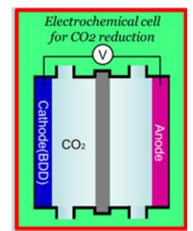
Overseas

- Coal producing countries



- Osaki CR R&D Center
- CO₂ Mineralization
- Chemical (Formic acid)
- Blue Carbon

CO₂ Mineralization and utilization by coal ash and biomass ash (NEDO/JAPAN)



Production of Formic acid using diamond electrodes (NEDO/JAPAN)



Seagrass bed (Blue Carbon)

- Large scale CO₂ Storage
- CO₂ Mineralization (Pacific Ocean)
- EOR/ECBM
- CO₂ Free Hydrogen / Ammonia with CCS

