## (M)"Convert carbon dioxide (CO<sub>2</sub>) to calcium carbonate"



- Carbon Capture and Utilization (CCU) technology, which converts CO<sub>2</sub> into valuable products for utilization, is attracting attention as a measure against climate change.
- Among CCU technologies, the mineral carbonation technology, that converts CO<sub>2</sub> into carbonate minerals such as calcium carbonate, has characteristics such as not requiring carbon-free hydrogen, and the market size for the obtained carbonates is relatively large.
- In this class, the technology of mineral carbonation technology can be learned through lectures, group work, presentation, and experiments

Instructor : OProf. Atsushi lizuka(TEL 022-795-7386 atsushi.iizuka.e4@tohoku.ac.jp) Asst. Prof. Hsing-Jung Ho(TEL 022-795-7408 hsing-jung.ho.b2@tohoku.ac.jp)