

CO₂ Mineralization for *in situ* Storage and *ex situ* Enhanced Metals Recovery



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From education Physics.

Always involved in novel technologies (amongst others worlds deepest chemical reactor: 1200 meter deep).

For more than a decade involved in mineralization. Developing a process to increase the reaction rate between Olivine and CO₂.

And currently scaling up the process and focusing at the beneficial use of the products.

Making world first “climate positive paper”

Next step concrete (currently researched with RWTH & HeidelbergCement)

Technology or focus area

- Mineralisation, both Ambient, but mainly accelerated
- Both academic and business wise

Ideas, Interests, Concepts to be Explored

Sequestering CO₂, but more importantly making and using

- “synthetic” carbonates.
- amorphous silica
- metal recovery.

Business wise the focus should be on a combination of CO₂ sequestration and making and using the formed reaction products.

Solely sequestering CO₂ isn't very sustainable, nor economic