

# Research topics relating Utopia Mineral Carbonation 2026

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## Research at the following locations:

Chair of Process Engineering for Industrial Environmental Protection/ Technical University of Leoben: <https://www.vtiu-unileoben.at/en> or <https://www.vtiu-unileoben.at/en/research>

AEE – Institute for Sustainable Technologies: <https://www.aee-intec.at/en/>

Institute for Materials Testing and Building Materials Technology/ Graz University of Technology <https://www.tugraz.at/institute/imbt-tvfa/home>

## About the project:

Carbonation describes the reaction of calcium- and magnesium-containing minerals with CO<sub>2</sub>, which allows the CO<sub>2</sub> to be sequestered over the long term. As a result, many industrial residues have the potential to become CO<sub>2</sub> sinks. At the same time, carbonated materials can be used as novel building materials, thereby transforming industrial residues into valuable CO<sub>2</sub> reservoirs and sustainable products, and closing the material cycle.