

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



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I am a CNRS (national scientific research centre) researcher at Geoscience Environment Toulouse in Toulouse, France since 2021. Before leaving for the CNRS I was an assistant professor at Queen's University, Canada. I have postdoctoral experience in carbon mineralization, mineral weathering in the unsaturated zone, and environmental impacts of hydraulic fracturing at University College London (as a Marie Skłodowska Curie Fellow), CNRS, and Stanford University. I completed my PhD at the University of British Columbia, Canada on Carbon Mineralization in ultramafic mine wastes.

Technology or focus area

- Carbon mineralization
- Carbon Mineralization using waste materials
- Experimental, aqueous, and isotope geochemistry
- Reactive transport and geochemical modeling

Ideas, Interests, Concepts to be Explored

CO₂ mineralization for ex situ storage
Enhanced metals recovery/and harmful metal storage
CO₂ mineralization in mine wastes
Mineral weathering