Rinder, Thomas; Hagke, Christoph von (2021): The influence of particle size on the potential of enhanced basalt weathering for carbon dioxide removal - Insights from a regional assessment

"It has been shown that enhanced weathering is principally feasible on a global scale, but there is still uncertainty with respect to the predicted drawdown in a given timeframe. This information is however vital to evaluate, if enhanced weathering should be further considered as a factor to alleviate the impact of the climate crisis. With this in mind, this article reviews of the current state of research and estimates the CO₂ drawdown for scenarios using basalt powders of different particle size distribution (