

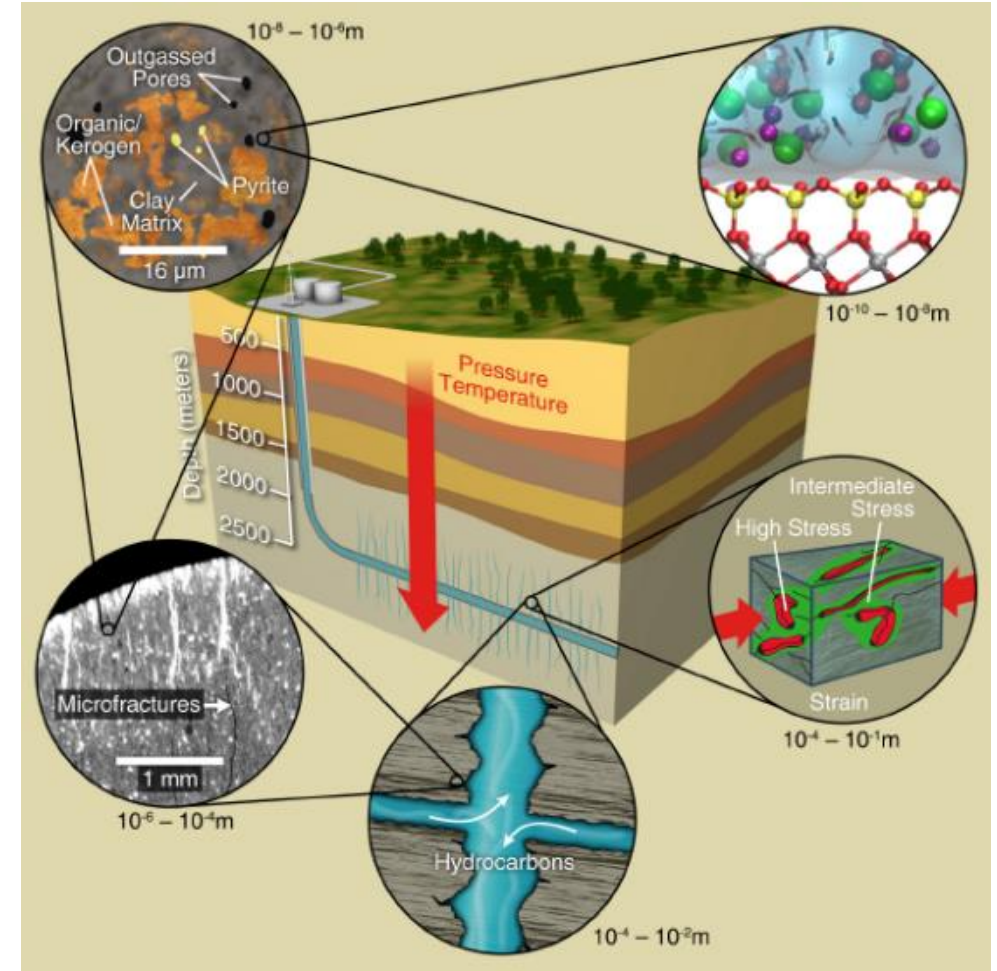
Center for Mechanistic Control of Unconventional Formations (CMC-UF)

Anthony R. Kovscek (Stanford University); Class: 2022-2024

MISSION: To garner cross-cutting geoscience knowledge to achieve mechanistic control over physical and geochemical processes in extreme geological environments collectively referred to as unconventional formations.

RESEARCH PLAN

The challenges presented by carbon management, large-scale energy storage, and improved natural gas production all require fundamental mechanistic understanding of unconventional formations, seals for storage and shales for natural gas production. With mechanistic understanding comes the potential ability to achieve control over the processes occurring in unconventional formations to improve & restore seal effectiveness and decrease negative environmental outcomes of natural gas.



<https://efrc-shale.stanford.edu/>



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