

Modeling of Soil Carbonation for sustainable soil subgrade stabilization. Andres F. Espinosa, Dr. Luis Zambrano-Cruzatty, Dr. Aaron Gallant Civil and Environmental Engineering, University of Maine



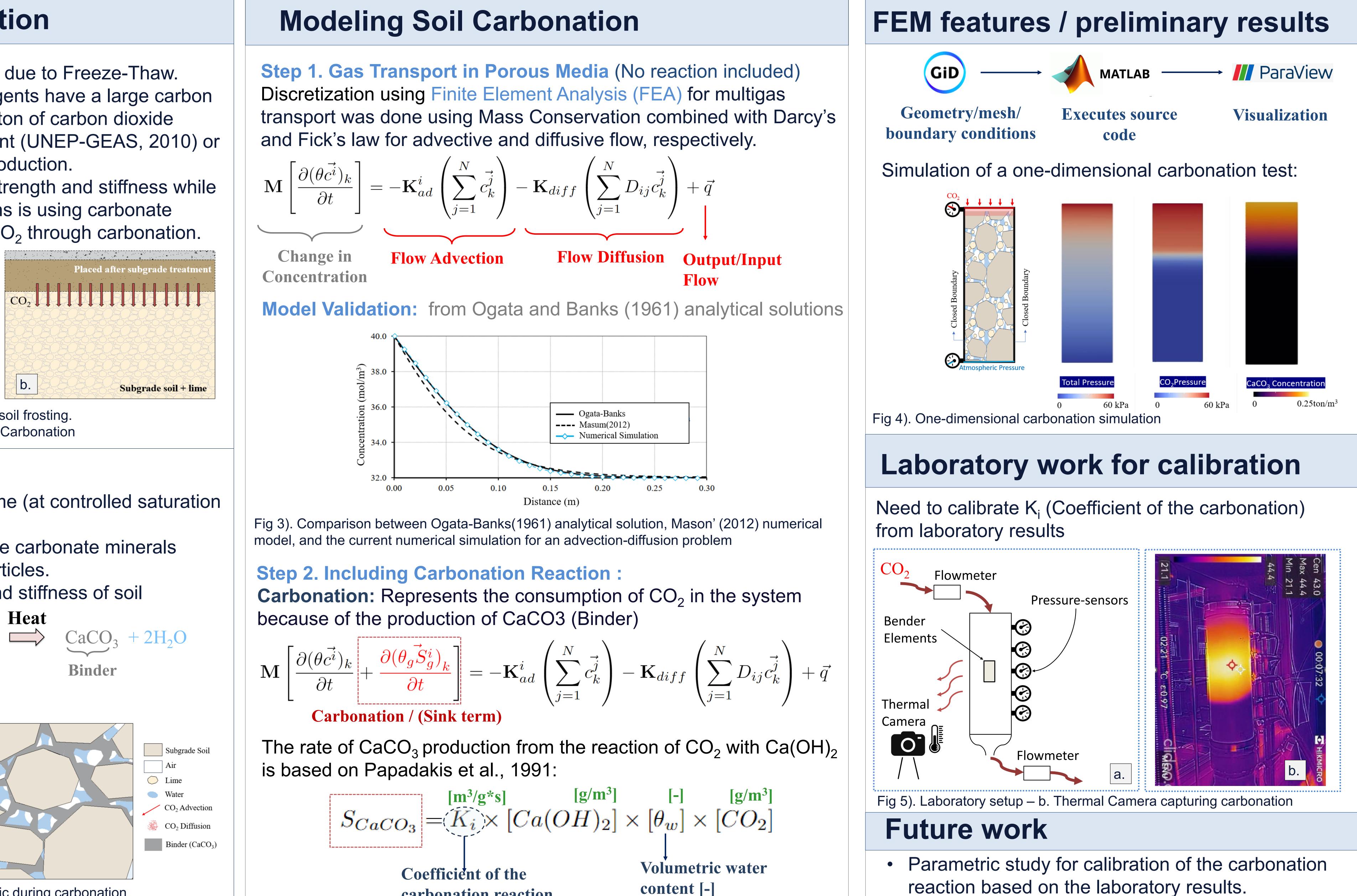


Fig. 1). a. Pavement damage due to soil frosting.

How does it work?

- conditions)
- (binder) that attach the particles.
- Increase in the strength and stiffness of soil

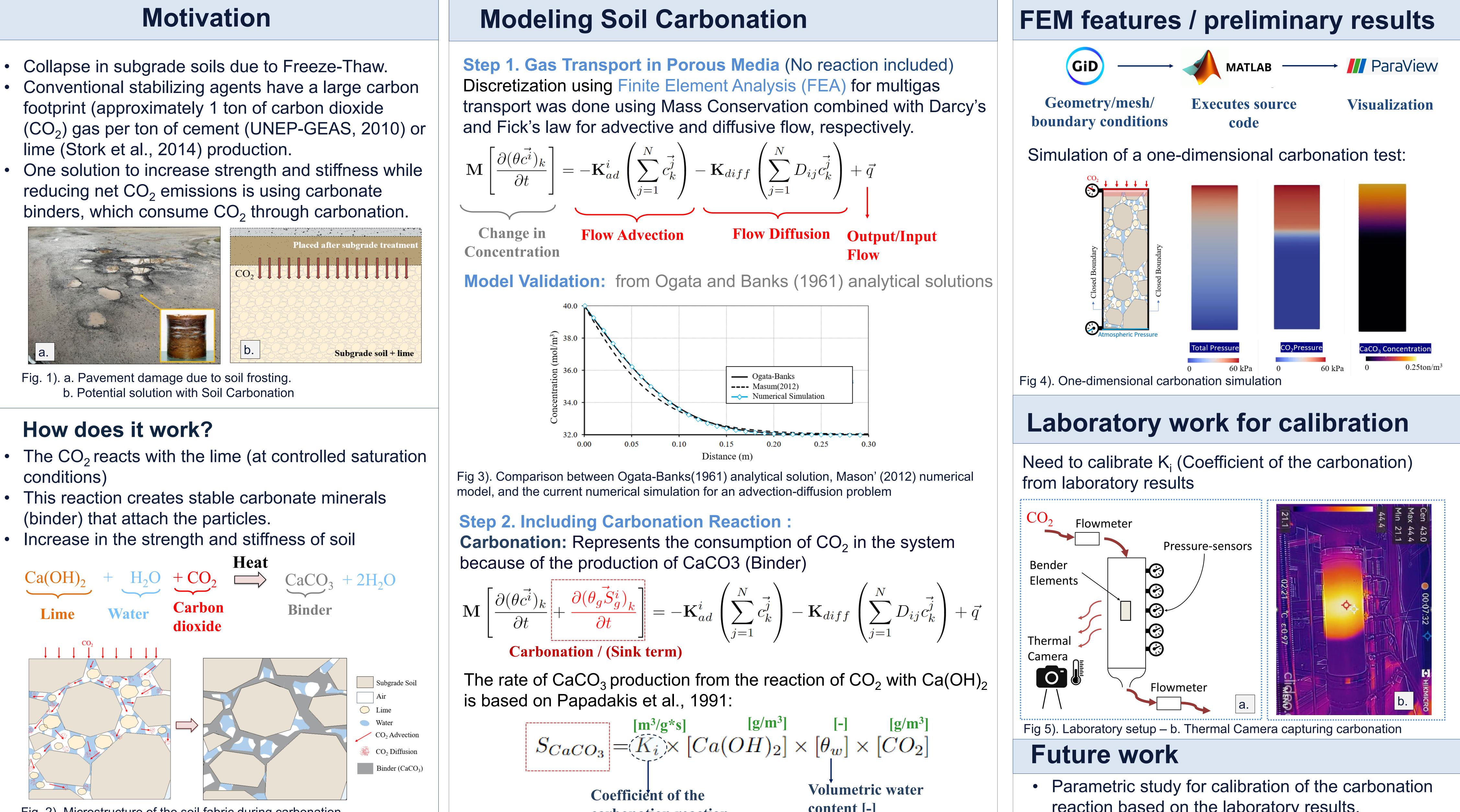


Fig. 2). Microstructure of the soil fabric during carbonation



carbonation reaction

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