InterPore2021 Online

13th Annual Meeting
31 May - 4 June 2021

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Contribution ID: **685**　　　　　　　　　　　　　　　Type: **Oral Presentation**

Reconstructing contaminant release function in a sandbox experiment

Thursday, 3 June 2021 11:00 (15 minutes)

The ensemble smoother with multiple data assimilation is used to reconstruct the release of a contaminant into a sandbox using concentration observations downgradient from the release point. The algorithm is tested first with some synthetic experiments mimicking the sandbox and then applied to two experiments with different release functions. The frequency of the sampling, the density of the observations, and the magnitude of the observation error play important roles in the proper reconstruction of the source function.

Time Block Preference

Time Block A (09:00-12:00 CET)

References

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Newsletter

Student Poster Award

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Session Classification: MS18

Track Classification: (MS18) Innovative Methods for Characterization, Monitoring, and In-Situ Remediation of Contaminated Soils and Aquifers