

## Soil systems: Analytical methods for integrating the chemical, biophysical interface in soils

### Literature meeting III

**Course task: Assessment whether a soil system view is critical to own scientific work**

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**23<sup>rd</sup> of November, 9:00 – 12:00**

**zoom meeting:** <https://slu-se.zoom.us/j/63328043059>

**passcode:** 880713

### Importance of soil system sciences for ecosystem services – various scales

- Screen through the papers proposed in the literature list and summarize one of them (your own choice).
- Do you have any specific questions regarding the papers?

#### *Literature list*

Janzen, H.H, Janzen, D.W., Gregorich, E.G. 2021. The „soil health“ metaphor: Illuminating or illusory? *Soil Biology and Biochemistry* 159, 108167.

Keiluweit, M. et al. 2015. Mineral protection of soil carbon counteracted by root exudates. *Nature Climate Change* 5, 588–595.

Lehmann, J., Bossio, D.A., Kögel-Knabner, I., Rillig, M.C. 2020. The concept and future prospect of soil health. *Nature Reviews Earth and Environment* 1(10), 544-553.

Weng, Z. et al. 2021. Probing the nature of soil organic matter. *Critical Reviews in Environmental Science and Technology*.