

TARGET STAKEHOLDERS





COMMENTARY

This paper is responding to an article published in the European Journal of Soil Science by Berthelin et al. (2022)



NEW FINDINGS...

Berthelin et al. (2022) claim that, for the first time, they closely examine the short-term breakdown process of fresh organic materials added to soil, which they believe has been mentioned in past literature but not studied extensively



... OR OLD NEWS?

Angers and colleagues disagree and argue that we've already known for nearly a century that when organic carbon is added to the soil, most of it doesn't stay there forever. A significant part is lost to the atmosphere in form of greenhouse gases





AUTHORS Angers Denis, Dominique Arrouays, ... Johan Six (2022)

A WELL-ESTABLISHED FACT: **CARBON TURNOVER IN SOIL IS NOT A ONE-WAY STREET**



Part of the carbon cycle

When organic matter is introduced to soils, a part of its carbon is stored whereas another part is respirated by microbes and lost to the athmosphere.

EJP SOIL INNOVATION HIGHLIGHTS

TOWARDS CLIMATE-SMART SUSTAINABLE MANAGEMENT OF AGRICULTURAL SOILS

EJP SOIL is a European Joint Programme on Agricultural Soil Management addressing key societal challenges including climate change and future food supply. https://ejpsoil.eu/

The goal is to improve the understanding of agricultural soil management by finding synergies in research, strengthening research communities and raising public awareness.

1100+ experts, 24 countries, addressing multiple aspects of soil management across different European agroecosystems.

EJP SOIL FRAMEWORK PROGRAMME

This project has received funding by EU H2020 European Joint programme EJP SOIL (grant agreement no. 869625).

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TARGET EJP SOIL EXPECTED IMPACT AND EU MISSION SOIL OBJECTIVES Understanding how soil-carbon sequestration can contribute to climate change mitigation at the regional level and accounting for carbon. Mission SOIL: conserve soil organic carbon stocks

HIGHLIGHT FACTS FROM: EJP SOIL framework programme



Applicability: all climatic zones according to Metzger et al. (2005) https://doi.org/10.1111 j.1466-822X.2005.00190.x

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