

MODELS ARE VITAL TO PREDICT SOC DYNAMICS

Stringent validation of prediction models is needed at all scales based on time-series data.



NEED FOR UPDATED DATASET

Efforts to maintain datasets are imperative for accurate SOC projections and predictions.



DIVERSITY IS A VALUE ALSO IN MODELLING

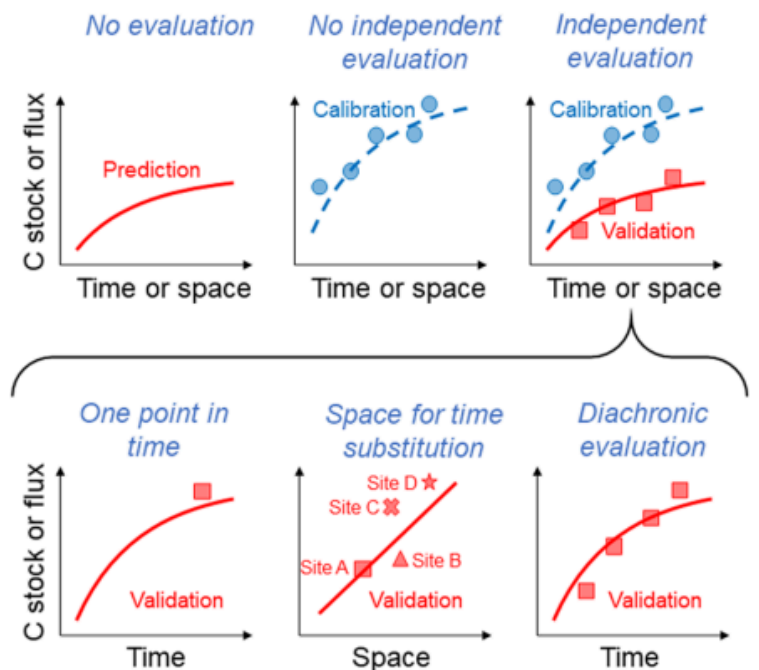
Predictive models can be conceptually evaluated by comparing them to models designed for other goals.



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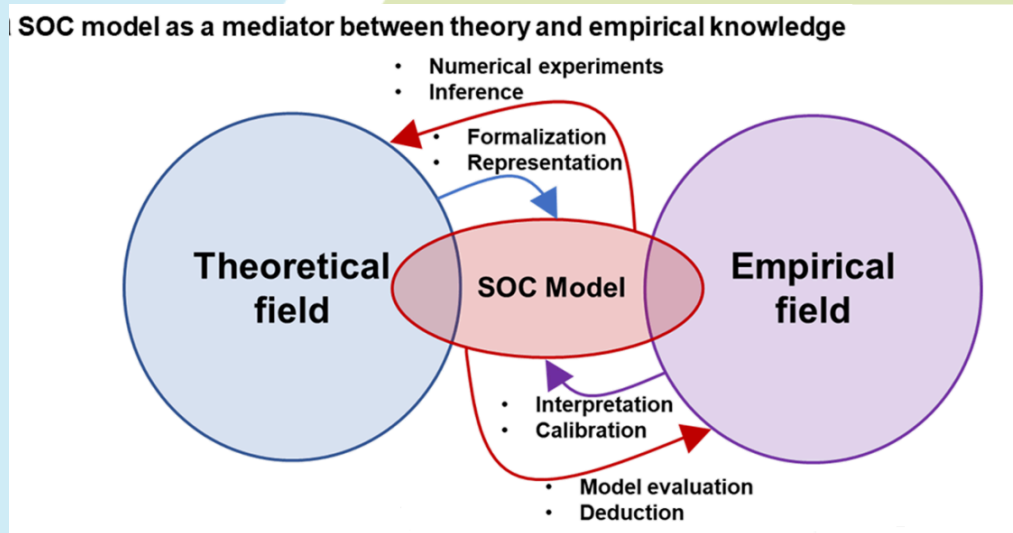
SOIL ORGANIC CARBON (SOC) MODELS NEED INDEPENDENT TIME-SERIES VALIDATION FOR RELIABLE PREDICTION



Validation

Most validations are based on field or laboratory experiments and only 23% are independent diachronic validated, which gives more accuracy to the model.

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 been supported by EU H2020 European Joint programme EJP SOIL (grant agreement no. 869625).

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TARGET EJP SOIL EXPECTED IMPACT AND SOIL MISSION OBJECTIVES

Supporting harmonised European soil information

understanding soil carbon sequestration and its contribution to climate change mitigation

Mission SOIL: Conserve soil organic carbon stocks

HIGHLIGHT FACTS FROM:

EJP SOIL
framework programme



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