





# **Global Soil Nutrient and Nutrient Budgets maps (GSNmap) Phase I Technical Manual**

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# Abbreviations and acronyms

**BD** Bulk density

**CEC** Cation exchange capacity

**CRAN** Comprehensive R archive network

**DSM** Digital soil mapping

**GEE** Google Earth Engine

**GSP** Global Soil Partnership

**INSII** International Network of Soil Information Institutions

**ITPS** Intergovernmental Technical Panel on Soils

**ME** Mean error

**MAE** Mean absolute error

**MEC** Modelling efficiency coefficient

**NDVI** Normalized difference in vegetation index

**QA/QC** Quality assurance/quality check

**RMSE** Root mean squared error

**SOC** Soil organic carbon

**SOM** Soil organic matter

# **Contributors and reviewers**

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The Global Soil Partnership (GSP) is a globally recognized mechanism established in 2012. Our mission is to position soils in the Global Agenda through collective action. Our key objectives are to promote Sustainable Soil Management (SSM) and improve soil governance to guarantee healthy and productive soils, and support the provision of essential ecosystem services towards food security and improved nutrition, climate change adaptation and mitigation, and sustainable development.



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