

Soil properties soil profiles HVO (IMPETUS dataset ID = 486)

General information

Dataset name: Soil properties soil profiles HVO (IMPETUS dataset ID = 486)
Dataset DOI: 10.1594/PANGAEA.832915
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Contact(s)

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Period

Date begin (yyyy-mm-jj): 2002-01-01
Date end (yyyy-mm-jj): 2004-12-31

Project(s)

IMPETUS

Data description

Abstract

Profile data of about 36 soil profiles studied by Claudia Hiepe and Luc Sintondji in the Upper Oueme catchment during the years 2002-2004. The Excel-file contains two Excel sheets, one with general characteristics of the profile and the sampling point, another one with a description of the properties of the soil horizons. Each profile refers to a soil type in the soil map of Benin (ORSTOM, 1:200.000). Parameter, Attribute list: soil texture, soil colour, nitrogen, magnesium, potassium, sodium, soil depth, organic carbon, calcium, CECpot, base saturation, gravel content. Dataset created by IMPETUS subproject A2.

No information about Data Lineage; No information about Data Consistency; No information about Data Completeness; No information about Positional Accuracy; Data Completeness: Lab data was checked; non-reliable values are underlined in yellow colour, The choice of an representative profile is always a compromise due to the high variability of soil properties in the catchment area

Observing strategy

All profiles together allow a parameterisation of the soil map for the whole Upper Oueme catchment. This is an important basis for hydrological and erosion modelling the this area. The profile data was used to parameterize the SWAT model.

Geographic information

Ouémé Upper Catchment (HVO)

Location name:	Ouémé Upper Catchment (HVO)
West bounding coordinate (°):	1.2056
East bounding coordinate (°):	3.0008
North bounding coordinate (°):	10.3814
South bounding coordinate (°):	8.6763

Térou

Location name:	Térou
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IMPETUS_486

Location name:	IMPETUS_486
West bounding coordinate (°):	1.36
East bounding coordinate (°):	2.81
North bounding coordinate (°):	10.13
South bounding coordinate (°):	8.95

Measured parameters

Soil texture

Parameter name:	soil texture
Parameter keyword:	Land Surface > Soils > Soil Texture

Soil analysis

Parameter name:	soil analysis
Parameter keyword:	Land Surface > Soils

Soil exchangers

Parameter name:	soil exchangers
Parameter keyword:	Land Surface > Soils

Soil organic matter

Parameter name:	soil organic matter
Parameter keyword:	Land Surface > Soils

Soil physics

Parameter name:	soil physics
Parameter keyword:	Land Surface > Soils

Soil chemistry

Parameter name: soil chemistry
Parameter keyword: Land Surface > Soils > Soil Chemistry

Soil classification

Parameter name: soil classification
Parameter keyword: Land Surface > Soils > Soil Classification

Data use information

Use constraints: Please inform the Point of Contact if you use the data for publication
Data policy: IMPETUS data policy
Database: IMPETUS
Original data format(s): Excel