

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

## General information

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Dataset name: Soil properties soil profiles HVO (IMPETUS dataset ID = 486)  
Dataset DOI: 10.1594/PANGAEA.832915  
Created on: 2007-10-01

### Contact(s)

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### Period

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

### Project(s)

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IMPETUS

## Data description

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### Abstract

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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

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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

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### Ouémé Upper Catchment (HVO)

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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

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Location name:	Térou
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### IMPETUS\_486

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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

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### Soil texture

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

### Soil analysis

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

### Soil exchangers

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

### Soil organic matter

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

### Soil physics

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

## Soil chemistry

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

## Soil classification

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

## Data use information

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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