

# Erosion measurements in DoguÃ©, Serou, Awanla and USLE calculation for DoguÃ© (IMPETUS dataset ID = 483)

## General information

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Dataset name: Erosion measurements in DoguÃ©, Serou, Awanla and USLE calculation for DoguÃ© (IMPETUS dataset ID = 483)  
Created on: 2006-04-05

### Contact(s)

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### Period

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Date begin (yyyy-mm-jj): 2001-01-01  
Date end (yyyy-mm-jj): 2002-12-31

### Project(s)

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IMPETUS

## Data description

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### Abstract

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Results of erosion measurements performed by Birte Junge in the years 2001 and 2002 near three villages in the Upper Oueme catchment, notably DoguÃ©, Serou and Awanla. Three different measurements methods were used (erosion nails, erosion parcelles, sediment traps) and finally the potential (longterm) erosion was quantified according to the universal soil loss equation (USLE). Parameter, Attribute list: surface runoff, soil loss, potential soil loss, P factor, K factor (erodability), C factor, R factor, LS factor. 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: Details can be found in Junge (2004), The experimental setup for the the erosion parcelles showed several errors in the first year (2001), There only the results from the year 2002 should be used, Erosion measurements were performed only during one or two rainy season, Considering the hgih rainfall variability this is not enough to obtain reliable amounts of soil erosion, Nevetheless the measuements are very useful for comparisons of soil erosion between different cropping systems and the natural savannah

## Observing strategy

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The major objective of the study were to compare the soil loss amounts for different landuse and cropping systems in three villages in the Upper Oueme catchment and to estimate the potential erosion rate according to the Universal soil loss equation (USLE) for local conditions in the Aguima catchment.

## Geographic information

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### Aguima Catchment

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Location name:	Aguima Catchment
West bounding coordinate (°):	1.9124
East bounding coordinate (°):	1.9621
North bounding coordinate (°):	9.1342
South bounding coordinate (°):	9.1061

### Doguè

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Location name:	Doguè
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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

### Sérou

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Location name:	Sérou
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### Awanla

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Location name:	Awanla
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### IMPETUS\_483

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Location name:	IMPETUS_483
West bounding coordinate (°):	1.02
East bounding coordinate (°):	1.6
North bounding coordinate (°):	9.68
South bounding coordinate (°):	9.1

## Measured parameters

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### Erosion

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Parameter name: Erosion  
Parameter keyword: Land Surface > Erosion/Sedimentation > Erosion

### Soil physics

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

## 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, JPEG Image Format