

# Meteorological data with high temporal resolution (IMPETUS dataset ID = 125)

## General information

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Dataset name: Meteorological data with high temporal resolution (IMPETUS dataset ID = 125)  
Created on: 2006-09-20

### Contact(s)

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Priv.-doz. Dr. Burkhardt, Jürgen - Institut für Nutzpflanzenwissenschaften und Ressourcenschutz der Universität Bonn (INRES) - Bereich Pflanzenernährung - j.burkhardt@uni-bonn.de (PI or Lead scientist)

### Period

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Date begin (yyyy-mm-jj): 2002-08-17  
Date end (yyyy-mm-jj): 2002-09-26

### Project(s)

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IMPETUS

## Data description

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### Abstract

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Meteorological measurements with high temporal resolution, about 6m above a field of maize, 10 Hz measurements (10 values per second) during several days within the period, mostly during daytime. Parameter, Attribute list: air temperature, air relative humidity, vertical wind speed, water vapour density, eastward wind component, northward wind component, air specific humidity. Dataset created by IMPETUS subproject A3.

No information about Data Lineage; No information about Data Consistency; Data Completeness: some days missing; No information about Positional Accuracy; No information about Quantitative Attribute Accuracy

### Observing strategy

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Meteorological data for calculating turbulence parameters and energy exchange between atmosphere and surface

## Geographic information

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### Doguè

Location name: Doguè

### 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

### IMPETUS\_125

Location name: IMPETUS\_125

West bounding coordinate (°): 1.904

East bounding coordinate (°): 1.904

North bounding coordinate (°): 9.132

South bounding coordinate (°): 9.132

## Measured parameters

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### Air humidity

Parameter name: air humidity

Parameter keyword: Atmosphere > Atmospheric Water Vapor > Water Vapor Indicators > Humidity

### Microclimate

Parameter name: microclimate

### Boundary layer

Parameter name: boundary layer

### Wind Speed

Parameter name: Wind Speed

Parameter keyword: Atmosphere > Atmospheric Winds > Wind Speed

### Wind Direction

Parameter name: Wind Direction

Parameter keyword: Atmosphere > Atmospheric Winds > Wind Direction

## Vegetation stratification

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Parameter name: vegetation stratification  
Parameter keyword: Biosphere > Vegetation

## Air Temperature

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Parameter name: Air Temperature  
Parameter keyword: Atmosphere > Atmospheric Temperature > Surface Temperature > Air Temperature

## Meteorological measurements

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Parameter name: meteorological measurements

## 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): Text