

CE.Veget_Ncw - Vegetation parameters, Wankama catchment

General information

Dataset name: CE.Veget_Ncw - Vegetation parameters, Wankama catchment
Created on: 2006-01-09

Contact(s)

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Period

Date begin (yyyy-mm-jj): 2005-06-22
Date end (yyyy-mm-jj): 2006-10-23

Project(s)

AMMA > AMMA-EOP

Data description

Abstract

Characterize vegetation functioning (crop and fallow) in the Wankama catchment (Niger local site, Ncw). Obtain vegetation parameters to parameterize and validate the TREEGRASS vegetation model (Simioni 2001) to study the effect of vegetation on the hydrologic functioning of the Wankama catchment, by coupling of the TREEGRASS and r.water.fea models (Boulain 2004).

Observing strategy

Direct and indirect measure of vegetation cover characteristics. Direct measure of the physiological functioning of plants for each vegetation type (crop, fallow). System for LAI measurement by hemispheric photography.

Geographic information

WANKAMA

Location name: WANKAMA
West bounding coordinate (°): 1
East bounding coordinate (°): 3
North bounding coordinate (°): 13
South bounding coordinate (°): 12
Altitude min: 21100

Altitude max: 24400

Measured parameters

Aerial Biomass > Dead (mean)

Parameter name: Aerial Biomass > Dead (mean)
Parameter keyword: Biosphere > Vegetation
Date begin (yyyy-mm-jj): 2005-06-22
Date end (yyyy-mm-jj): 2006-10-23

Aerial Biomass > Green (standard deviation)

Parameter name: Aerial Biomass > Green (standard deviation)
Parameter keyword: Biosphere > Vegetation
Date begin (yyyy-mm-jj): 2005-06-22
Date end (yyyy-mm-jj): 2006-10-23

Aerial Biomass > Total (maximum)

Parameter name: Aerial Biomass > Total (maximum)
Parameter keyword: Biosphere > Vegetation
Date begin (yyyy-mm-jj): 2005-06-22
Date end (yyyy-mm-jj): 2006-10-23

Aerial Biomass > Dead (standard deviation)

Parameter name: Aerial Biomass > Dead (standard deviation)
Parameter keyword: Biosphere > Vegetation
Date begin (yyyy-mm-jj): 2005-06-22
Date end (yyyy-mm-jj): 2006-10-23

Vegetation Cover

Parameter name: Vegetation Cover
Parameter keyword: Biosphere > Vegetation > Vegetation Cover
Unit: no unit
Date begin (yyyy-mm-jj): 2005-06-22
Date end (yyyy-mm-jj): 2006-10-23

Aerial Biomass > Green (mean)

Parameter name: Aerial Biomass > Green (mean)
Parameter keyword: Biosphere > Vegetation
Date begin (yyyy-mm-jj): 2005-06-22
Date end (yyyy-mm-jj): 2006-10-23

Leaf Characteristics > Leaf Area Index

Parameter name:	Leaf Characteristics > Leaf Area Index
Parameter keyword:	Biosphere > Vegetation
Date begin (yyyy-mm-jj):	2005-06-22
Date end (yyyy-mm-jj):	2006-10-23

Aerial Biomass > Green (minimum)

Parameter name:	Aerial Biomass > Green (minimum)
Parameter keyword:	Biosphere > Vegetation
Date begin (yyyy-mm-jj):	2005-06-22
Date end (yyyy-mm-jj):	2006-10-23

Aerial Biomass > Dead (minimum)

Parameter name:	Aerial Biomass > Dead (minimum)
Parameter keyword:	Biosphere > Vegetation
Date begin (yyyy-mm-jj):	2005-06-22
Date end (yyyy-mm-jj):	2006-10-23

Aerial Biomass > Total (mean)

Parameter name:	Aerial Biomass > Total (mean)
Parameter keyword:	Biosphere > Vegetation
Date begin (yyyy-mm-jj):	2005-06-22
Date end (yyyy-mm-jj):	2006-10-23

Aerial Biomass > Total (minimum)

Parameter name:	Aerial Biomass > Total (minimum)
Parameter keyword:	Biosphere > Vegetation
Date begin (yyyy-mm-jj):	2005-06-22
Date end (yyyy-mm-jj):	2006-10-23

Aerial Biomass > Dead (maximum)

Parameter name:	Aerial Biomass > Dead (maximum)
Parameter keyword:	Biosphere > Vegetation
Date begin (yyyy-mm-jj):	2005-06-22
Date end (yyyy-mm-jj):	2006-10-23

Aerial Biomass > Green (maximum)

Parameter name:	Aerial Biomass > Green (maximum)
Parameter keyword:	Biosphere > Vegetation
Date begin (yyyy-mm-jj):	2005-06-22
Date end (yyyy-mm-jj):	2006-10-23

Aerial Biomass > Total (standard deviation)

Parameter name:	Aerial Biomass > Total (standard deviation)
Parameter keyword:	Biosphere > Vegetation
Date begin (yyyy-mm-jj):	2005-06-22
Date end (yyyy-mm-jj):	2006-10-23

Data use information

Use constraints: Permission is granted to use these data in research and publications when accompanied by the following statement: "The AMMA-CATCH regional observing system was set up thanks to an incentive funding of the French Ministry of Research that allowed pooling together various pre-existing small scale observing setups. The continuity and long term perenity of the measurements are made possible by an undisrupted IRD funding since 1990 and by a continuous CNRS-INSU funding since 2005."