

CL.Ero_Nc - Soil erosion measurement network, Wankama and Torodi Kiboro basins

General information

Dataset name: CL.Ero_Nc - Soil erosion measurement network, Wankama and Torodi Kiboro basins
Created on: 2006-01-20

Contact(s)

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Period

Date begin (yyyy-mm-jj): 2005-01-01
Date end (yyyy-mm-jj): 2008-01-01

Project(s)

AMMA > AMMA-LOP

Data description

Abstract

Documentation of soil losses on different surface features related with rainfall (intensity, duration, frequency and previous soil water content) ; documentation of sediment discharge;

Observing strategy

the network includes 13 plots (12 of 10 m²) and one of 100 m² on 4 different surfaces: millet, fallow, erosion crust, boderma: 3 pots on each type; the 100 m² one is located in fallow in order to study scale effect (some 1 m² plots will be installed soon) ; runoff water volume is measured after each rainy event, samples allowing the determination of solid total transport; a sampling is made during the rain in two creeks;

Instrument information

Sensor

Instrument type: SOIL SAMPLER
Model: Plots sampling

Geographic information

Wankama and Torodi Kiboro basins

Location name: Wankama and Torodi Kiboro basins
Platform type: GROUND STATIONS

Measured parameters

Erosion

Parameter name: Erosion
Parameter keyword: Land Surface > Erosion/Sedimentation > Erosion
Unit: gramm per square meter - g.m-2
Date begin (yyyy-mm-jj): 2005-01-01
Date end (yyyy-mm-jj): 2008-01-01

Solid transport

Parameter name: Solid transport
Parameter keyword: Terrestrial Hydrosphere > Ground Water
Unit: gramm per liter - g.l-1
Date begin (yyyy-mm-jj): 2005-01-01
Date end (yyyy-mm-jj): 2008-01-01

Agricultural work

Parameter name: Agricultural work
Unit: no unit
Date begin (yyyy-mm-jj): 2005-01-01
Date end (yyyy-mm-jj): 2008-01-01

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."