

Land cover, land use classification year 1991, resolution 28,5 m (IMPETUS dataset ID = 332)

General information

Dataset name: Land cover, land use classification year 1991, resolution 28,5 m (IMPETUS dataset ID = 332)
Created on: 2004-03-25

Contact(s)

Dr. Judex, Michael - Geographisches Institut der Universität Bonn, RSRG Fernerkundung - Center for Remote Sensing Applications of Land Surfaces (ZFL) - m.judex@geographie.uni-bonn.de (PI or Lead scientist)

Period

Date begin (yyyy-mm-jj): 1991-12-13
Date end (yyyy-mm-jj): 1991-12-13

Project(s)

IMPETUS

Data description

Abstract

land use / land cover classification derived from LANDSAT TM (13.12.1991). Method: Maximum-Likelihood-Classification. Parameter, Attribute list: burned areas, savanne boisee, savanne arboree, savanne arbustive, savanne saxicole, savanne herbeuse, water, bas fond (humide), settlement dense, fields, vegetationsfree (inselberg), foret dense, foret claire, settlement loose, no information (inselberg shadow), heavy degraded vegetation. Dataset created by IMPETUS subproject A3.

Data Lineage: LANDSAT Satellite data delivered by USGS; SRTM-3 data from NASA; No information about Data Consistency; No information about Data Completeness; Positional Accuracy: under 50 m; Data Completeness: Because of no ground truth available for 1991, the training areas are collected with expert knowledge of spectral and spatial behaviour of the target classes, Therefore a standard accuracy assessment is not possible, Classes with some errors are "field", "settlement", and seperation between savannah types

Observing strategy

show land use / land cover in the year 1991

Geographic information

Ouémé Upper Catchment (HVO)

Location name:	Ouémé Upper Catchment (HVO)
West bounding coordinate (°):	1.3609
East bounding coordinate (°):	3.4616
North bounding coordinate (°):	10.9774
South bounding coordinate (°):	8.9183

Measured parameters

Land use

Parameter name:	land use
Parameter keyword:	Land Surface > Land Use/Land Cover

Land cover classification

Parameter name:	land cover classification
Parameter keyword:	Land Surface > Land Use/Land Cover

Data use information

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):	ERDAS IMAGINE, Georeferenced TIFF