

Marginality index for agricultural land use, West Africa, resolution: 0.05° (IMPETUS dataset ID = 633)

General information

Dataset name: Marginality index for agricultural land use, West Africa, resolution: 0.05°
(IMPETUS dataset ID = 633)

Created on: 2002-01-31

Contact(s)

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Period

Date begin (yyyy-mm-jj): 2001-01-01

Date end (yyyy-mm-jj): 2001-01-01

Project(s)

IMPETUS

Data description

Abstract

The index analysis several environmental factors (aridity, soil fertility, precipitation variability, slope) limiting agricultural production under low capital input. All input data sets are fuzzyficated and summed in one index. Parameter, Attribute list: marginality index. Dataset created by IMPETUS subproject A3.

No information about Data Lineage; No information about Data Consistency; No information about Data Completeness; No information about Positional Accuracy; No information about Quantitative Attribute Accuracy

Observing strategy

to determine the agricultural potential and to calculate the threat of environmental degradation due to agricultural land use for Western Africa. Beyond, we have analysed whether the approach by Cassel-Gintz et al. 1997 with very promising results on a global scale is feasible on a regional scale, too.

Geographic information

Westafrica

| | |
|--------------------------------|------------|
| Location name: | Westafrica |
| West bounding coordinate (°): | -20 |
| East bounding coordinate (°): | 20 |
| North bounding coordinate (°): | 37.85 |
| South bounding coordinate (°): | 4 |

Measured parameters

Agriculture

| | |
|--------------------|-------------|
| Parameter name: | agriculture |
| Parameter keyword: | Agriculture |

Marginality index

| | |
|-----------------|-------------------|
| Parameter name: | marginality index |
|-----------------|-------------------|

Agricultural production

| | |
|--------------------|-------------------------|
| Parameter name: | agricultural production |
| Parameter keyword: | Agriculture |

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): | ENVI Standard File, Georeferenced TIFF |