

kd_100km_log2_re.tif

Raster Dataset



Tags

Mesoamérica, Centroamérica, biodiversidad, esfuerzo de muestreo

Summary

Representación del esfuerzo de muestreo de biodiversidad en forma de la superficie categorica, para aplicaciones en analisis de biodiversidad.

Description

Densidad de esfuerzo de muestreo derivada de las observaciones den la base de datos GBiF, representada como la superficie categorica proporcional al esfuerzo, con la generalización de la unidades circulares con rodio de 100 km.

Credits

Viacheslav Shalikso, GBiF

Use limitations

datos de dominio público

Extent

West -107.100000 **East** -59.241667
North 23.683333 **South** 4.891667

Scale Range

Maximum (zoomed in) 1:500,000
Minimum (zoomed out) 1:50,000,000

ArcGIS Metadata ►

Topics and Keywords ►

THEMES OR CATEGORIES OF THE RESOURCE [biota](#)

CONTENT TYPE [Offline Data](#)

[EXPORT TO FGDC CSDGM XML FORMAT AS RESOURCE DESCRIPTION](#) [No](#)

PLACE KEYWORDS [Mesoamérica](#)

PLACE KEYWORDS [Centroamérica](#)

THEME KEYWORDS [Biodiversidad](#)

[Hide Topics and Keywords ▲](#)

Citation ►

* TITLE kd_100km_log2_re.tif
ALTERNATE TITLES Densidad de observaciones de biodiversidad
PUBLICATION DATE 2018-10-09 00:00:00

PRESENTATION FORMATS * digital map

[Hide Citation ▲](#)

Citation Contacts ►

RESPONSIBLE PARTY
ORGANIZATION'S NAME Universidad de Guadalajara
CONTACT'S ROLE author

CONTACT INFORMATION ►

PHONE
VOICE 00000000

ADDRESS

TYPE physical
DELIVERY POINT Av. Juarez 965
CITY Guadalajara
ADMINISTRATIVE AREA Jalisco
POSTAL CODE 44100
COUNTRY MX

[Hide Contact information ▲](#)

RESPONSIBLE PARTY
ORGANIZATION'S NAME Universidad de Guadalajara
CONTACT'S ROLE originator

[Hide Citation Contacts ▲](#)

Resource Details ►

DATASET LANGUAGES * Spanish; Castilian (SPAIN)
DATASET CHARACTER SET utf8 - 8 bit UCS Transfer Format

STATUS completed
SPATIAL REPRESENTATION TYPE * grid

SPATIAL RESOLUTION
DATASET'S SCALE
SCALE DENOMINATOR 30

* PROCESSING ENVIRONMENT Version 6.2 (Build 9200) ; Esri ArcGIS 10.5.1.7333

CREDITS
Viacheslav Shalikso, GBiF

ARCGIS ITEM PROPERTIES

* NAME kd_100km_log2_re.tif
* LOCATION
file:///C:/Users/vshal/GD/UdeG_Docencia/Metadatos/Practicas_2018B/Practica_06/Ins
umos/kd_100km_log2_re.tif
* ACCESS PROTOCOL Local Area Network

[Hide Resource Details ▲](#)

Extents ►

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching

* WEST LONGITUDE -107.100000

* EAST LONGITUDE -59.241667

* NORTH LATITUDE 23.683333

* SOUTH LATITUDE 4.891667

* EXTENT CONTAINS THE RESOURCE Yes

EXTENT

DESCRIPTION

Información sobre observaciones de biodiversidad del siglo 20

TEMPORAL EXTENT

BEGINNING DATE 2000-02-01 00:00:00

ENDING DATE 2018-10-09 00:00:00

EXTENT IN THE ITEM'S COORDINATE SYSTEM

* WEST LONGITUDE -107.100000

* EAST LONGITUDE -59.241667

* SOUTH LATITUDE 4.891667

* NORTH LATITUDE 23.683333

* EXTENT CONTAINS THE RESOURCE Yes

[Hide Extents ▲](#)

Resource Points of Contact ►

POINT OF CONTACT

ORGANIZATION'S NAME Universidad de Guadalajara

CONTACT'S ROLE author

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CONTACT'S ROLE originator

[Hide Resource Points of Contact ▲](#)

Resource Maintenance ►

RESOURCE MAINTENANCE

UPDATE FREQUENCY not planned

[Hide Resource Maintenance ▲](#)

Resource Constraints ►

CONSTRAINTS

LIMITATIONS OF USE

datos de dominio público

[Hide Resource Constraints ▲](#)

Spatial Reference ►

ARCGIS COORDINATE SYSTEM

* TYPE Geographic
* GEOGRAPHIC COORDINATE REFERENCE GCS_WGS_1984

* COORDINATE REFERENCE DETAILS

GEOGRAPHIC COORDINATE SYSTEM

WELL-KNOWN IDENTIFIER 4326
X ORIGIN -400
Y ORIGIN -400
XY SCALE 11258999068426.238
Z ORIGIN -100000
Z SCALE 10000
M ORIGIN -100000
M SCALE 10000
XY TOLERANCE 8.983152841195215e-009
Z TOLERANCE 0.001
M TOLERANCE 0.001
HIGH PRECISION true
LEFT LONGITUDE -180
LATEST WELL-KNOWN IDENTIFIER 4326
WELL-KNOWN TEXT
GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137.0,298.257223563]],PRIMEM["Greenwich",0.0],UNIT["Degree",0.0174532925199433],AUTHORITY["EPSG",4326]]

REFERENCE SYSTEM IDENTIFIER

* VALUE 4326

- * CODESPACE EPSG
- * VERSION 6.14(3.0.1)

[Hide Spatial Reference ▲](#)

Spatial Data Properties ►

GEORECTIFIED GRID ►

- * NUMBER OF DIMENSIONS 2

AXIS DIMENSIONS PROPERTIES

- DIMENSION TYPE column (x-axis)
- * DIMENSION SIZE 5743
- * RESOLUTION 0.008333 deg (degree)

AXIS DIMENSIONS PROPERTIES

- DIMENSION TYPE row (y-axis)
- * DIMENSION SIZE 2255
- * RESOLUTION 0.008333 deg (degree)

- * CELL GEOMETRY area
- * POINT IN PIXEL center

- * TRANSFORMATION PARAMETERS ARE AVAILABLE Yes

- * CHECK POINTS ARE AVAILABLE No

CORNER POINTS

- * POINT -107.100000 4.891667
- * POINT -107.100000 23.683333
- * POINT -59.241667 23.683333
- * POINT -59.241667 4.891667

- * CENTER POINT -83.170833 14.287500

[Hide Georectified Grid ▲](#)

ARCGIS RASTER PROPERTIES ►

GENERAL INFORMATION

- * PIXEL DEPTH 4
- * COMPRESSION TYPE LZW
- * NUMBER OF BANDS 1
- * RASTER FORMAT TIFF
- * SOURCE TYPE continuous
- * PIXEL TYPE unsigned integer
- * NO DATA VALUE 15
- * HAS COLORMAP No
- * HAS PYRAMIDS Yes

[Hide ArcGIS Raster Properties ▲](#)

[Hide Spatial Data Properties ▲](#)

Spatial Data Content ►

COVERAGE DESCRIPTION

TYPE OF INFORMATION thematic classification

ATTRIBUTE DESCRIBED BY CELL VALUES Densidad de observaciones de biodiversidad

[Hide Spatial Data Content ▲](#)

Lineage ►

LINEAGE STATEMENT

- 1) Descarga de registros de observaciones de biodiversidad de GBiF.org
- 2) Analisis de densidad de observaciones "Kernel Density" con la ventana de analisis circular ($r=100$ km), con la metrica "Conteo de observaciones"
- 3) Calculo del LOG2 de número de observaciones
- 4) Normalización a rango de 0 a 1
- 5) Clasificación en 5 clases con rango de 0.2 cada uno

SOURCE DATA ►

DESCRIPTION

Base de datos GBiF.org

SOURCE MEDIUM NAME online link

[Hide Source data ▲](#)

[Hide Lineage ▲](#)

Distribution ►

DISTRIBUTION FORMAT

* NAME Raster Dataset

SPECIFICATION GeoTIFF

FILE DECOMPRESSION TECHNIQUE LZW

[Hide Distribution ▲](#)

Fields ►

DETAILS FOR OBJECT kd_100km_log2_re.tif.vat ►

* TYPE Table

* ROW COUNT 5

DEFINITION

Categorias de densidad de observaciones

DEFINITION SOURCE

sin fuente de definición

FIELD OID ►

- * ALIAS OID
- * DATA TYPE OID
- * WIDTH 4
- * PRECISION 0
- * SCALE 0
- * FIELD DESCRIPTION
Internal feature number.

- * DESCRIPTION SOURCE
Esri

- * DESCRIPTION OF VALUES
Sequential unique whole numbers that are automatically generated.

Hide Field OID ▲

FIELD Value ►

- * ALIAS Value
- * DATA TYPE Integer
- * WIDTH 10
- * PRECISION 10
- * SCALE 0

FIELD DESCRIPTION

Categorías de densidad de observaciones

DESCRIPTION SOURCE

sin fuente de definición

RANGE OF VALUES

MINIMUM VALUE 0
MAXIMUM VALUE 5

Hide Field Value ▲

FIELD Count ►

- * ALIAS Count
- * DATA TYPE Double
- * WIDTH 19
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Número de elementos pixeles en categoría

DESCRIPTION SOURCE

son fuente de definición

RANGE OF VALUES
MINIMUM VALUE 0
MAXIMUM VALUE 65000

[Hide Field Count ▲](#)

[Hide Details for object kd_100km_log2_re.tif.vat ▲](#)

[Hide Fields ▲](#)

Metadata Details ►

* METADATA LANGUAGE Spanish; Castilian (SPAIN)
* METADATA CHARACTER SET utf8 - 8 bit UCS Transfer Format

METADATA IDENTIFIER 0E232D5A-27DA-4A39-B4F6-FF6290727F67

SCOPE OF THE DATA DESCRIBED BY THE METADATA * dataset

SCOPE NAME * dataset

* LAST UPDATE 2018-10-09

ARCGIS METADATA PROPERTIES

METADATA FORMAT ArcGIS 1.0
METADATA STYLE FGDC CSDGM Metadata
STANDARD OR PROFILE USED TO EDIT METADATA FGDC

CREATED IN ARCGIS FOR THE ITEM 2018-10-09 15:26:35
LAST MODIFIED IN ARCGIS FOR THE ITEM 2018-10-09 17:00:02

AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes
LAST UPDATE 2018-10-09 16:12:19

[Hide Metadata Details ▲](#)

Metadata Contacts ►

METADATA CONTACT

INDIVIDUAL'S NAME Viacheslav Shalisko
CONTACT'S POSITION Profesor de Asignatura B
CONTACT'S ROLE originator

CONTACT INFORMATION ►

PHONE
VOICE 00000000

ADDRESS

TYPE physical
CITY Guadalajara
ADMINISTRATIVE AREA Jalisco

POSTAL CODE 44100

COUNTRY MX

[Hide Contact information ▲](#)

[Hide Metadata Contacts ▲](#)

Metadata Maintenance ►

MAINTENANCE

UPDATE FREQUENCY not planned

[Hide Metadata Maintenance ▲](#)

Metadata Constraints ►

CONSTRAINTS

LIMITATIONS OF USE

Sin limitaciones de uso

[Hide Metadata Constraints ▲](#)

Thumbnail and Enclosures ►

THUMBNAIL

THUMBNAIL TYPE JPG

[Hide Thumbnail and Enclosures ▲](#)

FGDC Metadata (read-only) ▼

DETAILED DESCRIPTION

ENTITY TYPE

ENTITY TYPE LABEL kd_100km_log2_re.tif.vat

ENTITY TYPE DEFINITION

Categorías de densidad de observaciones

ENTITY TYPE DEFINITION SOURCE sin fuente de definición

ATTRIBUTE

ATTRIBUTE LABEL OID

ATTRIBUTE DEFINITION

Internal feature number.

ATTRIBUTE DEFINITION SOURCE Esri

ATTRIBUTE DOMAIN VALUES

UNREPRESENTABLE DOMAIN

Sequential unique whole numbers that are automatically generated.

ATTRIBUTE

ATTRIBUTE LABEL Value

ATTRIBUTE DEFINITION

Categorías de densidad de observaciones

ATTRIBUTE DEFINITION SOURCE sin fuente de definición

ATTRIBUTE DOMAIN VALUES
RANGE DOMAIN
RANGE DOMAIN MINIMUM 0
RANGE DOMAIN MAXIMUM 5

ATTRIBUTE
ATTRIBUTE LABEL Count
ATTRIBUTE DEFINITION
Número de elementos pixeles en categoría
ATTRIBUTE DEFINITION SOURCE son fuente de definición
ATTRIBUTE DOMAIN VALUES
RANGE DOMAIN
RANGE DOMAIN MINIMUM 0
RANGE DOMAIN MAXIMUM 65000

[Hide Entities and Attributes ▲](#)