West Africa Coastal Vulnerability Mapping: 
Subset of Global Mammal and Amphibian Richness Grids, 2015 Release

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DESCRIPTION

This data set was used as an indicator in the analysis presented in the report, "Mapping the Exposure of Socioeconomic and Natural Systems of West Africa to Coastal Climate Stressors" (de Sherbinin et al., 2014; de Sherbinin et al., 2015). The table below provides information about the indicator as it was used in the analysis, including a description of the input data (where relevant) and of the processing completed to produce the indicator.

| Title: Threatened Species Richness |
| Indicator Code: THREAT |
| Component: Exposed Systems |
| Rationale: Areas with higher species richness are at greater risk to climate stressors. |
| Data Set: CIESIN has gridded the entire collection of IUCN Red List species distribution maps for amphibians, birds and mammals. However, due to restrictions on redistribution of the bird data, only data for mammals and amphibians are available as part of the Gridded Species Distribution collection at http://sedac.ciesin.columbia.edu/data/collection/species. For the purposes of the |
West Africa coastal vulnerability analysis, all threatened species by threat status (vulnerable, endangered, and critically endangered) and by class (including birds) were added to create a threatened species density map for this indicator. The individual rasters of threatened amphibians and threatened mammals are included in the Subset of Global Mammal and Amphibian Richness Grids, 2015 Release data set.


Input data source citations:


### Units:

Number of threatened species (vulnerable, endangered, and critically endangered) per 1 km grid cell

### Limitations:


### Spatial Extent:

The spatial extent of the Subset of Global Mammal and Amphibian Richness Grids, 2015 Release rasters is the 200 km coastal zone of the ten Guinea Current countries of coastal West Africa: Guinea-Bissau, Guinea, Sierra Leone, Liberia, Cote d’Ivoire, Ghana, Togo, Benin, Nigeria, Cameroon.

### Spatial Resolution:

30 arc-second (~1 km)

### Time Period:

IUCN data downloaded in April 2013.

### Additional Notes:
ACCESSING THE DATA


Permanent URL: https://doi.org/10.7927/H4125QK5.

The data are available as compressed zipfiles of GeoTIFFs or shapefiles. Downloaded files need to be uncompressed in a single folder using either WinZip (Windows file compression utility) or similar application before they can be accessed by your GIS software package. Users should expect an increase in the size of downloaded data after decompression.

The data are stored in geographic coordinates of decimal degrees based on the World Geodetic System spheroid of 1984 (WGS84).

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RECOMMENDED CITATION(S)

Data set:

REFERENCES


