

## Data quality standards for displaying maps of indigenous and community lands on LandMark

By LandMark Operations Team, 2017

LandMark aims to gather and display the highest quality data available on indigenous and community land rights into a single geographic platform. The community-level data and information displayed on LandMark are assembled from many different sources and providers. To ensure high quality and accurate information, the platform's Operations Team and Steering Group have instituted the following quality-control measures as a minimum standard for accepting and posting community-level data on LandMark (other quality-control standards apply to the national-level data and information; see LandMark Data tab).

### DATA

The following criteria represent the minimum standards for community-level data to be displayed on LandMark:

- **Digital:** The geographic information for indigenous and community lands contributed to LandMark must be in a georeferenced digital format (shapefiles, geodatabase, lat/long coordinates, etc.). Both polygon and point data are accepted. The Operations Team does not digitize paper, pdf or imaged map submissions.
- **Complete:** Datasets should ideally have a minimum set of attribute information in order to be displayed on the platform. The full list of attributes displayed on LandMark are shown in the table below. Core attributes are noted with a star (\*) and in bold. Data cannot be posted without these core attributes completed.

#### Attribute Table for Indigenous and Community Lands

Name	What is the name of the selected indigenous or community land?
<b>*Country</b>	<b>In what country is the indigenous/community land located?</b>
<b>*Identity</b>	<b>How does the community self-identify? As Indigenous Peoples or as non-indigenous community? <i>When unclear or unknown, the land is presented as community land.</i></b>
<b>*Recognition status</b>	<b>Is the indigenous or community land formally recognized by law or decree (e.g. recognized as the property or as lawfully occupied and used by indigenous peoples and/or communities)?</b>
<b>*Documentation status (Date)</b>	<p><b>What is the documentation status of the land (e.g. the stage of lawful ownership or occupation endowment process)?</b></p> <p>For traditional or customary land rights <b>acknowledged by the government</b>, there are two documentation status categories:</p> <ul style="list-style-type: none"> <li>- <b>Documented</b> (i.e., the land is formally documented/titled and registered)</li> <li>- <b>Not documented</b> (i.e., the land is either in the process of titling/documentation or does not require a formal document)</li> </ul>

## Attribute Table for Indigenous and Community Lands

For traditional or customary land rights **NOT acknowledged by the government**, there are two documentation status categories:

- **Held or used with formal land claim submitted** (i.e., a submission by the community of an application, claim, or other process to have the land formally recognized)
- **Held or used under customary tenure** (without formal land claim submitted)

**The date field displays the year that the land attained the specified documentation status (if known).**

Land type	What is the categorical name that the government gives to this type of indigenous or community land? (e.g., indigenous territories, tribal lands, village lands, communal lands, customary lands, etc.).
Law	Law, decree, or special instrument used for land recognition or land petition (e.g., Native Title Act, 1993 – Australia, Brazilian Constitution, 1988, art. 231, etc.)
Recognition process	Has the indigenous/community land been recognized through registration or through a general provision in a law or decree?
Land category	If documented entitlement has been granted, in what name is the entitlement held? (e.g., Community Land Title, Right of Occupancy, Territorial Title, Native Title, Certificate of Ancestral Domain Territory, Treaty Land, etc.).
Nature of recognition	What is the nature of the formal recognition of indigenous peoples and/or communities in relation to the land? They can be recognized as: <ul style="list-style-type: none"> <li>– Owner of the land;</li> <li>– Lawful occupant of the land in perpetuity; or</li> <li>– Lawful occupant of the land on specified term and/or other conditions.</li> </ul>
Ethnic groups	What are the names of the principal ethnic groups that reside on the indigenous or community land? <i>May include primary, secondary, and tertiary ethnic groups based on population size.</i>
Population (Source, Date)	How many people normally reside on the indigenous or community land? <i>Includes the source and date of the estimate or census.</i>
Land area, official and GIS	What is the official area of the indigenous or community land, as stated in the formal documents (only applies to formally recognized lands)? What is the area of the land as calculated in GIS? <i>All areas are in hectares.</i> If the community land is not officially mapped or with GIS information, please indicate the estimated size of the area, followed by (est.).
Acquisition scale	What is the scale at which the land data were collected or georeferenced?
Acquisition method	What was the method used to acquire the indigenous or community land data (e.g., hand-held GPS, transcribed from land title)?
<b>*Data source (Date)</b>	<b>Which individual or organization created the data that are shown on LandMark? <i>May or may not be the same as the contributing institution. Includes date that data were created or last edited.</i></b>
Data contributor	Which individual or organization provided the data to LandMark?
Date uploaded	The date that the data were posted on LandMark.
More info	One or more web links to more detailed information.

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## DATA PROVIDERS

The following criteria represent the minimum standards for data providers who request their data to be displayed on LandMark:

- **Representative:** Data providers must have the approval of the concerned Indigenous Peoples or communities before submitting information and maps of their land to LandMark.
- **Accessible:** Data providers must be willing to engage with the LandMark Operations Team to regularly review, maintain and update the data they contribute to the platform, as events and circumstances warrant.
- **Transparent:** Data providers should as much as possible detail the methods they used for data collection and generate complete metadata to ensure full transparency. When weaknesses are known in the data, they should be flagged and noted in the metadata.
- **Authoritative:** The data provider is considered an authoritative source of information for the indigenous or community land maps that they produce and/or provide to LandMark.
- **Removal of Data.** Data providers reserve the right to remove and recall their dataset at any time from the LandMark platform. Similarly, the LandMark Operations Team reserves the right to remove any dataset from the platform at any time if quality comes into question after posting on LandMark and/or there is a lack of accountability or responsiveness from the data provider in responding to questions of data accuracy/quality or other requests for information about the data.