

Coral Triangle Atlas- Attribute Structure for Climate Change Adaptation (CCA) Policies Database

The Coral Triangle Atlas

The [Coral Triangle Atlas](#) (CT Atlas) was created with the objective of giving researchers and managers working in the Coral Triangle Region access to spatial information, while encouraging them to share their data to complete gaps, therefore reducing duplicate data collection efforts and providing the most complete and current data available to improve the efficiency of management and conservation planning in the region. For more information on the CT Atlas, please refer to [Cros et al \(2014a\)](#).

The CT Atlas holds the **CTI-CFF's Monitoring & Evaluation System's database**, which has been established for tracking the progress towards attaining the goals set in the [regional plan of action](#).

Climate Change Adaptation (MA) Database

The Coral Triangle Initiative for Coral Reefs, Fisheries, and Food Security (CTI-CFF) has set as goal 4 of its Regional Plan of Action the following: Climate Change Adaptation Measures Achieved. The CTI-CFF has set a Climate Change Adaptation (CCA) Roadmap which establishes regional priorities of the Coral Triangle countries for the years 2013 through 2019. As part of this roadmap, and in order to measure the progress towards Goal 4 of the RPOA, indicators have been set. The CCA database holds the information necessary to measure these indicators.

Data Collection:

The CTI-CFF Monitoring and Evaluation System [Operations Manual](#) describes the pathway which data should follow from the field and into its M&E database. The M&E system starts at the national level where the data for the indicator is collected and measured by a national body or a partner such as an NGO or a university. The data is then compiled by the national coordinating committee, which will input the data into the CCA database hosted at the Coral Triangle Atlas directly, or will send the data to the CCA technical Working Group. The TWG will designate a representative to enter the data into the database hosted at the CT Atlas. The NCC/TWG representatives have a password to **log into the system directly and update the CCA data**. See below on how to contribute data.

Data Storage:

The regional and national CCA policy data is stored in a “Master Database” (see Attribute Schema in table 1). These datasets are not spatial, although they are displayed in the interactive map within the country Exclusive Economic Zones.

The local governments which have incorporated CCA into their local governance are stored in a database as well (see Attribute Schema in table 2), nonetheless a polygon shapefile with the boundaries of the administrative unit is also provided.

Data Documentation:

Each data record will have information on the **source** (person/organization who provided the data). Furthermore, a copy for the documents describing the policies should also be available.

Data Access and sharing:

Coral Triangle regional, national and local datasets on CCA policies are openly available through the online interface of the CT Atlas (ctatlas.reefbase.org/) as a spreadsheet (the local governments which have incorporated CCA into their governance are shared as a polygon shapefile as well).

All these information can be viewed in the CT Atlas interactive map section. The database can be accessed either for the CT6, or for each country separately.

Contributing and editing Data:

The CCA datasets will be edited online (edits or creating new records). This task has to be appointed by each National Coordinating Committee's (NCCs) to one or more key resource persons.

To edit existing records, or add new records, a password has to be obtained from the NCC and the CT atlas, in order to have the rights to do it online on the CT Atlas. All the attributes should be entered in the data entry form, and the polygon shapefile representing the boundaries of the Managed Areas should be sent to the CT Atlas (reefbase@cgiar.org).

Further instructions on how to update the MPA database can be found at the [end of this document](#).

Attributes

Table 1. Data Attributes for regional and national CCA policies

Attribute Name	Accepted Values	Explanatory notes
CT Atlas ID #		Generated automatically when a new record is entered.
Country/Region	<ul style="list-style-type: none"> – Indonesia – Malaysia – Papua New Guinea – Philippines – Solomon Islands – Timor-Leste – Coral Triangle 	Select whether the policy is for the region, or for a given country.
Policy Name		Title of agreement, framework, program, plan law or regulation endorsed, by the CTI-CFF Senior Officials.
Description		Description of regional agreement, framework, program or plan; e.g. significance to climate change, policy type, etc.
Status	<ul style="list-style-type: none"> – Endorsed – Proposed 	If the policy has been endorsed at a Seniors Official Meeting, then the status is endorsed. Otherwise the policy exists by has not been endorsed by the CTI-CFFs senior officials.
Date endorsed	dd/mm/yyyy	Date endorsed by the SOM
Agency		Government or non government office which developed the policy.
Documents		Electronic copy of the document should be provided

Table 2. Data Attributes for local governments which have incorporated CCA into their governance.

Attribute Name (Field name in Shapefile)	Accepted Values	Explanatory notes
CT Atlas ID # (ID)		Generated automatically when a new records is entered.
Country	<ul style="list-style-type: none"> – Indonesia – Malaysia – Papua New Guinea – Philippines – Solomon Islands – Timor-Leste 	
Local Government (LOCAL_GOV)		Official name of coastal local government
Local Government Type (L_GOV_Type)		Province, district, sate, town/municipalities, cities, sucos.
Total number of coastal local governments (L_gov_no)		The total number of coastal local governments in a country most relevant to planning and implementing adaptation actions. Indonesia (360- 34 Provinces an 236 districts), Malaysia (13 states), PNG (14 Provinces), PHL (892 - 832 towns/municipalities and 61 cities), SLB (9 provinces), TLS (75 coastal Sucos)
Longitude		Longitudinal coordinates in decimal degrees
Latitude		Latitudinal coordinates in decimal degrees
CCA Level Achieved	<ul style="list-style-type: none"> – Pre level 1 – Level 1 – Level 2 – Level 3 	As per the CCA roadmap and the CTI-CFFs Monitoring and Evaluation System Operations Manual.
Source		Name of the person or organization who shared the data.
Notes		
Documents		Electronic copy of the document should be provided

UPDATING THE CCA DATABASE

1. To update an existing record

a) **Attribute & Point data** (interactive map will display any update of the latitude-longitude on the fly)

- CCA Database page <http://ctatlas.reefbase.org/nrpolicies.aspx?t=r>
- Log in with user account using the username and password as provided
- Select the country and the country table will be displayed

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#	Region/Country	Policy Name	
Edit Delete	Indonesia	Act 32/2009 regarding Environmental protection and management	
Edit Delete	Indonesia	Act No. 17 of 2007 concerning Long-term Development Plan 2005-2025	
Edit Delete	Indonesia	Act No. 26 tahun 2007 regarding national spatial planning	
Edit Delete	Indonesia	Act No.31/2009 concerning Meteorology, Climatology Geophysic	
Edit Delete	Indonesia	Act Number 27/2007 on Coastal and Small Islands Management	
Edit Delete	Indonesia	Directorate General Decree of Marine, Coastal and Small Islands Nomor 44/KP3K/XII/2008 regarding Guideline for Disaster Resilience House in Coastal Area	
Edit Delete	Indonesia	Indonesia Climate Change Trust Fund	
Edit Delete	Indonesia	National Action Plan for Climate Change Adaptation	
Edit Delete	Indonesia	Presidential Decree No. 121/2012 regarding coastal and small islands rehabilitation	
Edit Delete	Indonesia	Presidential Decree No. 64/2010 regarding Disaster Mitigation for coastal and Small Islands	

- The 'Edit' hyperlink is shown at the first column of each record
- Click the 'Edit' to show the Edit Form. Type in the information in the attributes as required. Click 'Update' once done. The "Update" is at the bottom right corner of the form

Edit Form

ID: 6

Region/Country: Indonesia

Policy Name: Act 32/2009 regarding Environmental protection and management

Description: Requires national and local government to consider climate change impacts in formulating policy/program, Environmental protection and management plan

Status:

Endorsement Date:

Source: CTI-CFF secretariat

Agency: Ministry of Environment (MOA)

Policy Documents: Update Cancel

Link / Upload Policy Documents

Link: Add Link

Upload:

For the local governments database, follow the same procedure and the shapefile will be updated by the CT Atlas.

2. To add new record

- CCA Database page <http://ctatlas.reefbase.org/nrpolicies.aspx?t=r>
- Log in with user account using the username and password as provided.

a) Point data

- Click 'Create New Policy' button at the top of the table. This will display the Edit form

- Fill in the Edit form for new Policy










Click 'Update' once done. The system will assign the new auto-generated number of "ID".

3. To exclude a record

a) Attribute & Point data (interactive map will display any update of the latitude-longitude on the fly)

- CCA Database page <http://ctatlas.reefbase.org/nrpolicies.aspx?t=r>
- Log in with user account using the username and password as provided
- Select the country and the country table will be displayed.
- Delete the record with the icon at the left of each record.

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