



REGISTER ON UN BIODIVERSITY LAB

WELCOME!

[DATA CATALOGUE](#)[SUCCESS STORIES](#)[SUPPORT](#)[ABOUT](#)[MY PROJECTS](#)

World



UNBiodiversityLab - World English

Filter Views

Sort by Title Date Filter activated views

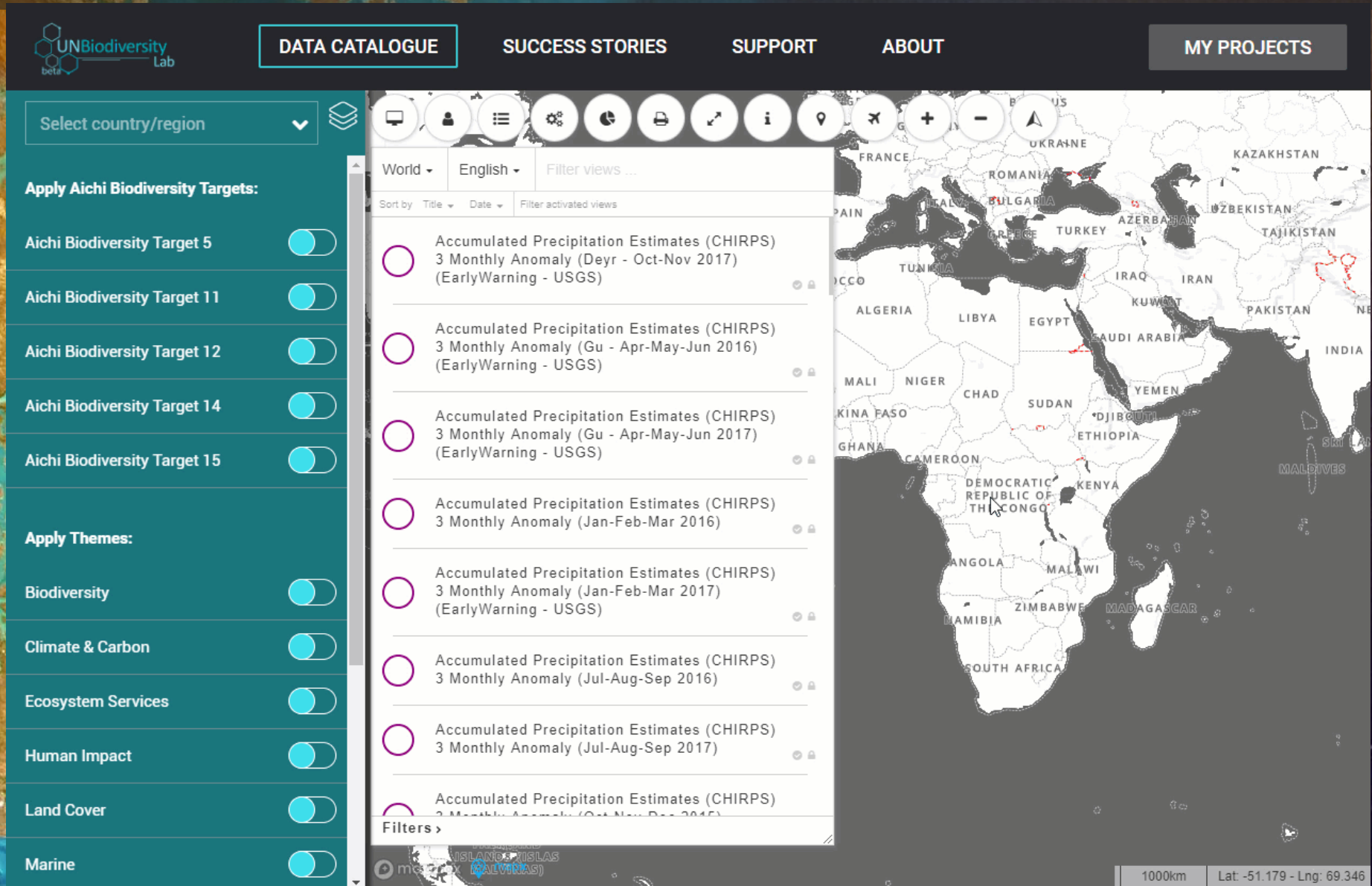
[Select a different project, category or country to display available data]

[Privacy Policy](#) [Terms of Use](#)

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LOGGING IN TO UN BIODIVERSITY LAB



The screenshot displays the UN Biodiversity Lab interface. The top navigation bar includes the UN Biodiversity Lab logo, a 'DATA CATALOGUE' button, and links for 'SUCCESS STORIES', 'SUPPORT', 'ABOUT', and 'MY PROJECTS'. On the left, a sidebar allows users to 'Select country/region' and 'Apply Aichi Biodiversity Targets' (Targets 5, 11, 12, 14, and 15) and 'Apply Themes' (Biodiversity, Climate & Carbon, Ecosystem Services, Human Impact, Land Cover, and Marine). The main content area features a map of Africa with a list of 'Accumulated Precipitation Estimates (CHIRPS) 3 Monthly Anomaly' data points. The data points are sorted by Title and Date, and the list is filtered to show 'Filter activated views'. The map shows the location of the data points, with a scale bar indicating 1000km and coordinates Lat: -51.179 - Lng: 69.346. The interface is powered by mapx.

UN Biodiversity Lab

DATA CATALOGUE SUCCESS STORIES SUPPORT ABOUT MY PROJECTS

Select country/region

Apply Aichi Biodiversity Targets:

- Aichi Biodiversity Target 5
- Aichi Biodiversity Target 11
- Aichi Biodiversity Target 12
- Aichi Biodiversity Target 14
- Aichi Biodiversity Target 15

Apply Themes:

- Biodiversity
- Climate & Carbon
- Ecosystem Services
- Human Impact
- Land Cover
- Marine

World English Filter views ...

Sort by Title Date Filter activated views

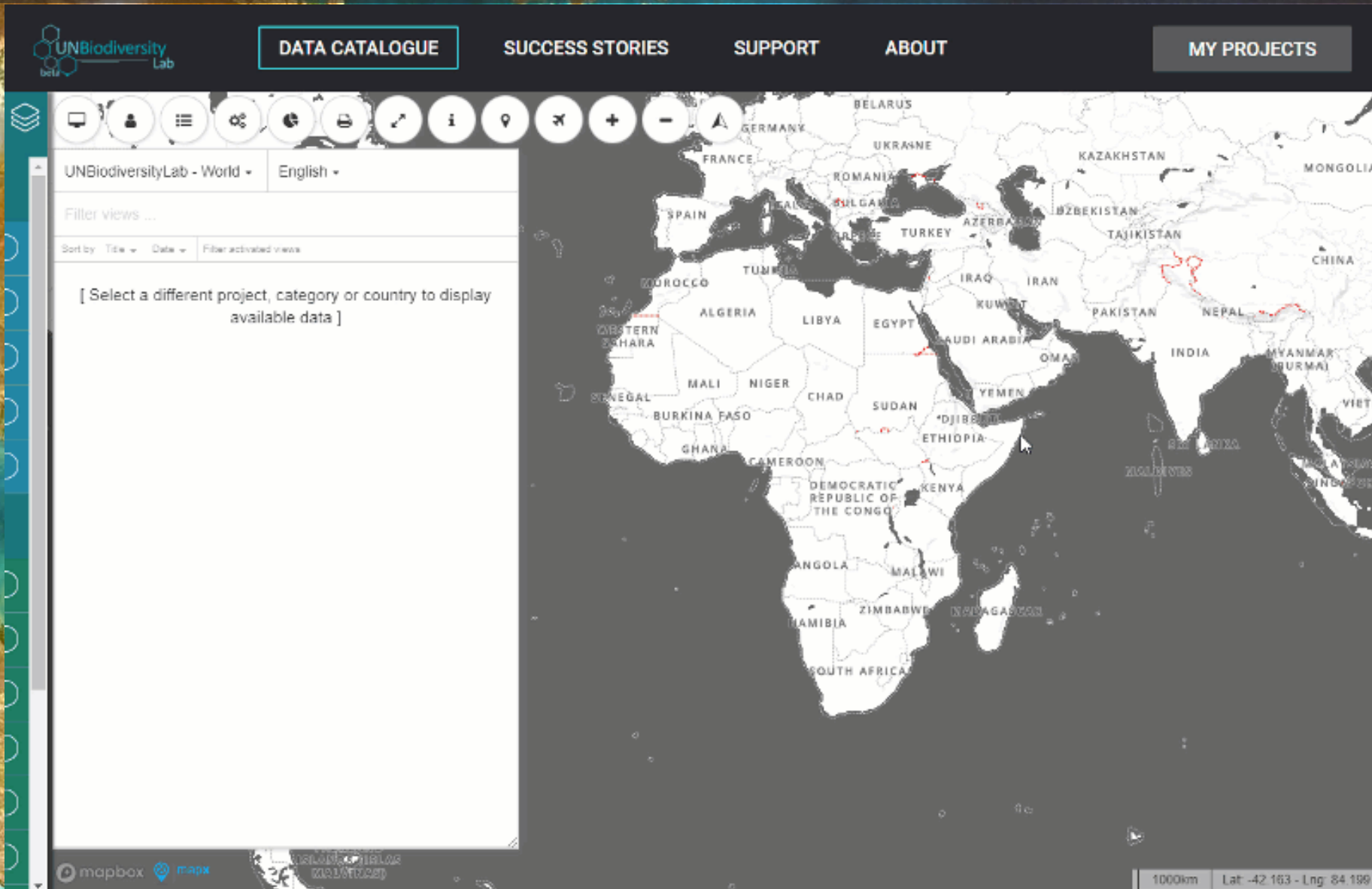
- Accumulated Precipitation Estimates (CHIRPS) 3 Monthly Anomaly (Deyr - Oct-Nov 2017) (EarlyWarning - USGS)
- Accumulated Precipitation Estimates (CHIRPS) 3 Monthly Anomaly (Gu - Apr-May-Jun 2016) (EarlyWarning - USGS)
- Accumulated Precipitation Estimates (CHIRPS) 3 Monthly Anomaly (Gu - Apr-May-Jun 2017) (EarlyWarning - USGS)
- Accumulated Precipitation Estimates (CHIRPS) 3 Monthly Anomaly (Jan-Feb-Mar 2016)
- Accumulated Precipitation Estimates (CHIRPS) 3 Monthly Anomaly (Jan-Feb-Mar 2017) (EarlyWarning - USGS)
- Accumulated Precipitation Estimates (CHIRPS) 3 Monthly Anomaly (Jul-Aug-Sep 2016)
- Accumulated Precipitation Estimates (CHIRPS) 3 Monthly Anomaly (Jul-Aug-Sep 2017)
- Accumulated Precipitation Estimates (CHIRPS) 3 Monthly Anomaly (Oct-Nov-Dec 2015)

Filters

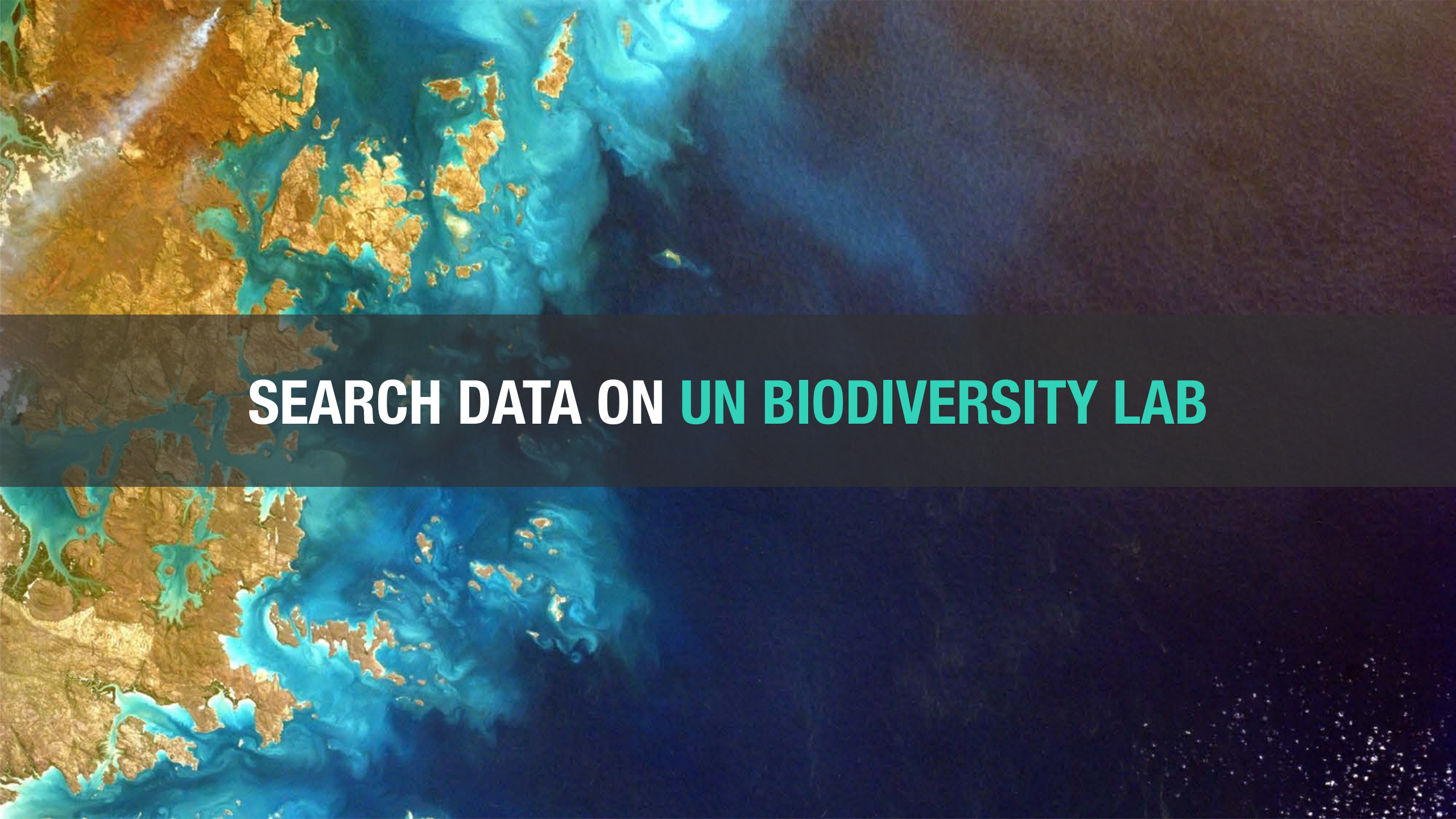
1000km Lat: -51.179 - Lng: 69.346

Powered by: mapx

A NOTE ON PRIVATE PROJECTS

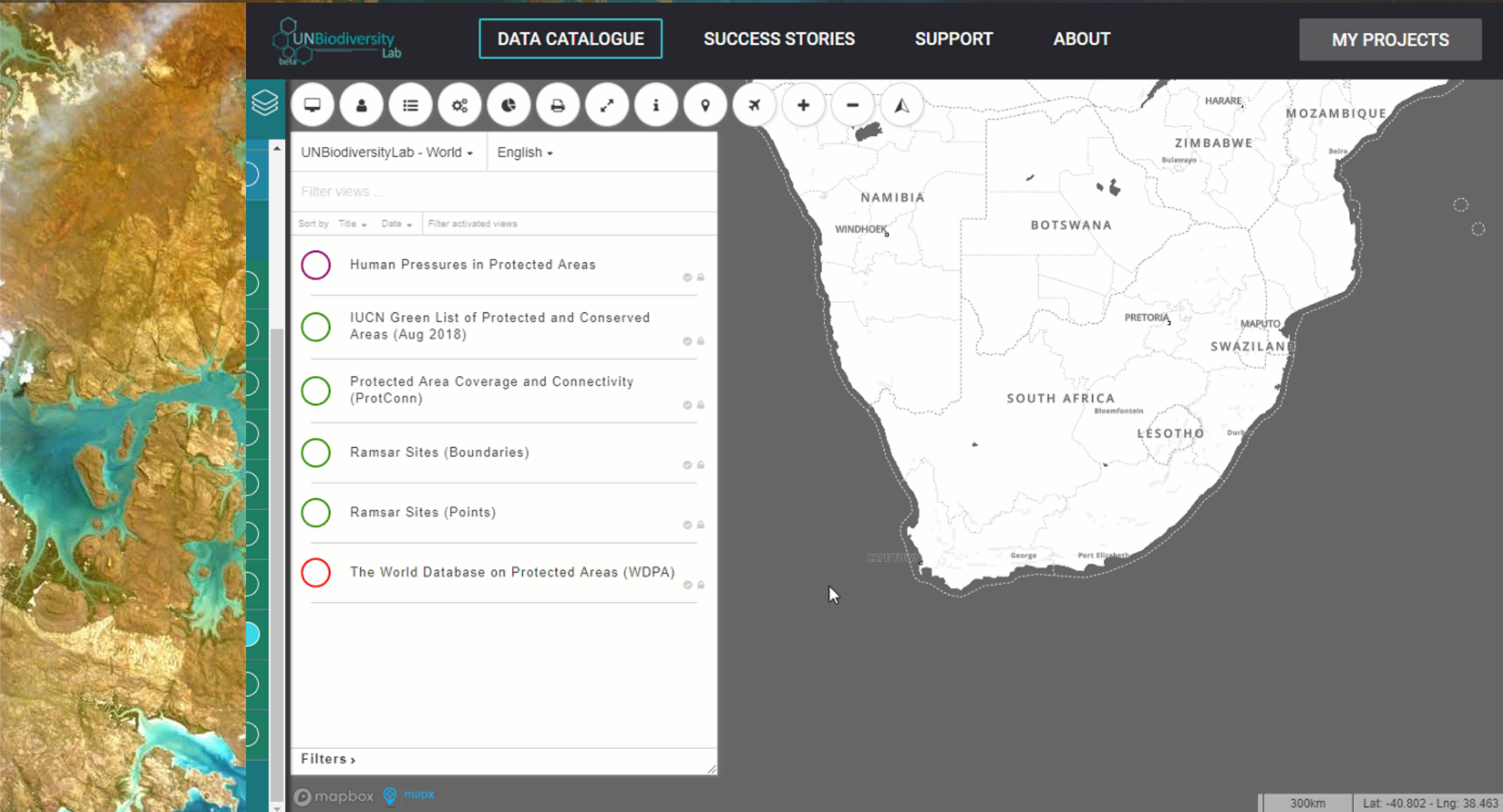


- Administrator List:
http://bit.ly/Administrators_UNBL



SEARCH DATA ON UN BIODIVERSITY LAB

DATA ON UN BIODIVERSITY LAB | VECTOR, RASTER, WMS



The screenshot displays the UN Biodiversity Lab Data Catalogue interface. The top navigation bar includes links for DATA CATALOGUE, SUCCESS STORIES, SUPPORT, ABOUT, and MY PROJECTS. The left sidebar contains a list of data layers with corresponding colored circles: Human Pressures in Protected Areas (purple), IUCN Green List of Protected and Conserved Areas (Aug 2018) (green), Protected Area Coverage and Connectivity (ProtConn) (green), Ramsar Sites (Boundaries) (green), Ramsar Sites (Points) (green), and The World Database on Protected Areas (WDPA) (red). The main map area shows a map of Southern Africa, including countries like Zimbabwe, Botswana, South Africa, Lesotho, and Swaziland, with major cities like Harare, Windhoek, Pretoria, Maputo, and Cape Town labeled. The map is powered by Mapbox, as indicated by the logo in the bottom right corner. The interface also includes a search bar, a filter view dropdown, and a sort by dropdown.

UNBiodiversityLab - World English

Filter views ...

Sort by Title Date Filter activated views

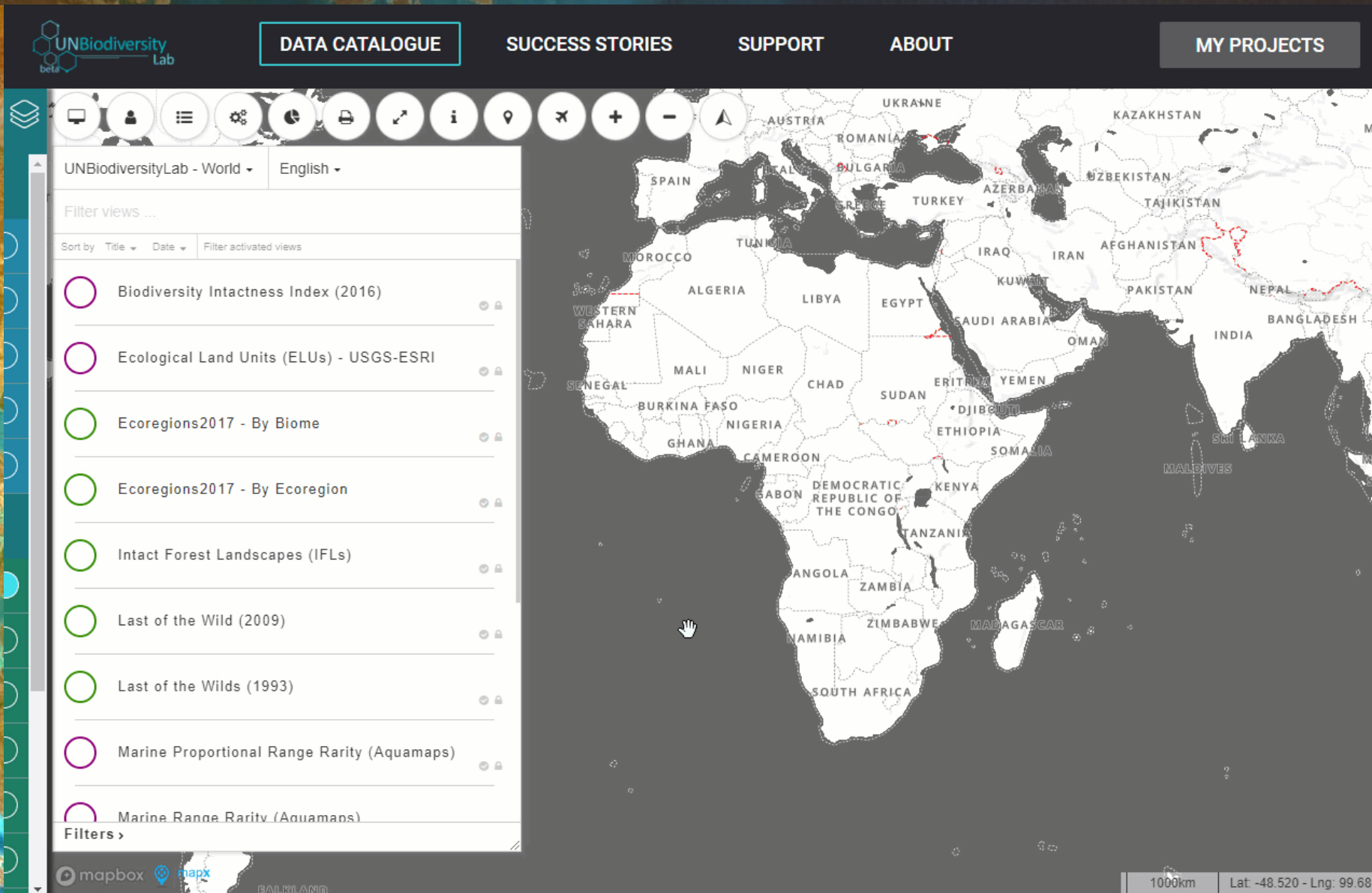
- ☒ Human Pressures in Protected Areas
- ☐ IUCN Green List of Protected and Conserved Areas (Aug 2018)
- ☐ Protected Area Coverage and Connectivity (ProtConn)
- ☐ Ramsar Sites (Boundaries)
- ☐ Ramsar Sites (Points)
- ☐ The World Database on Protected Areas (WDPA)

Filters >

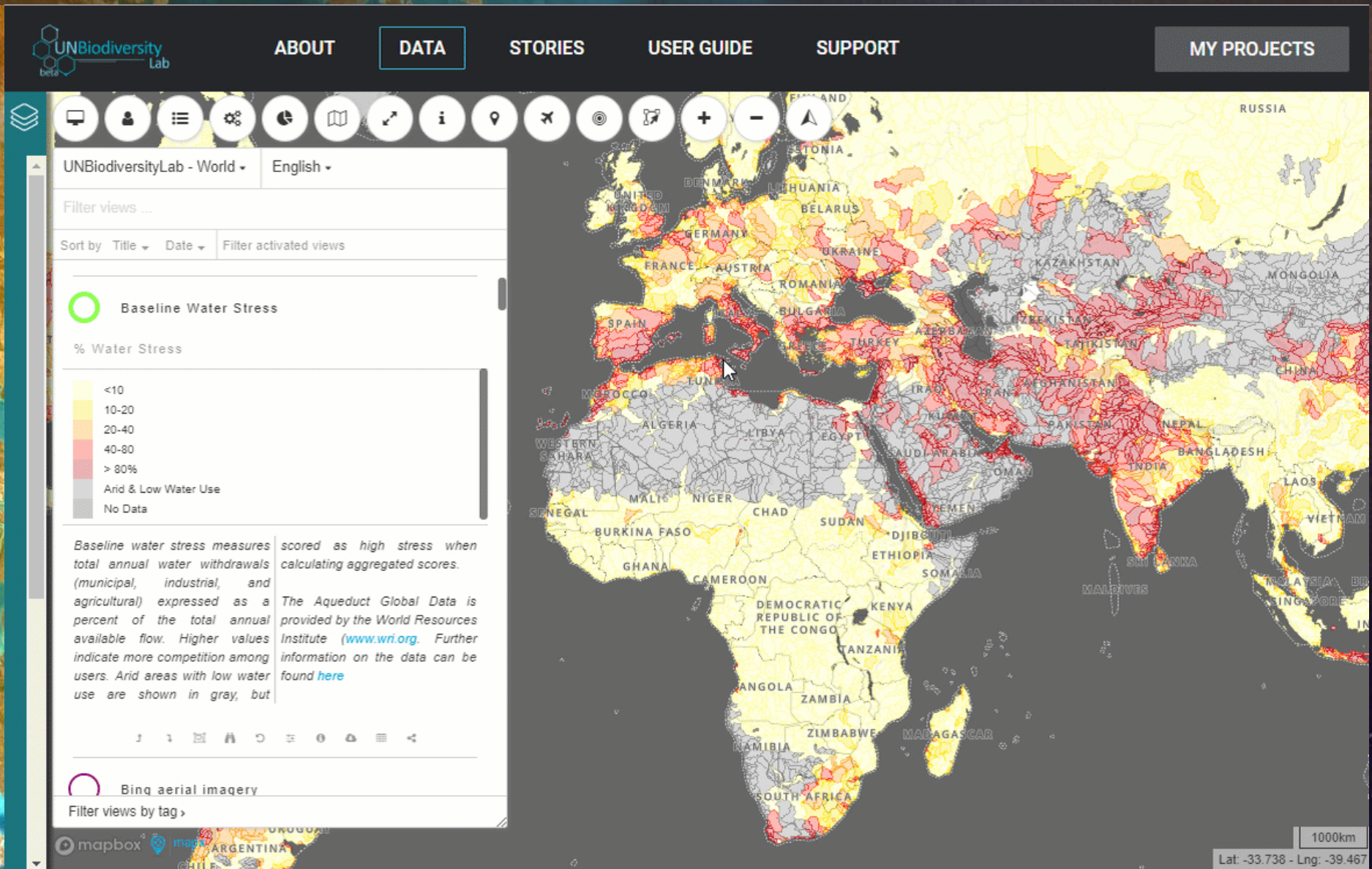
mapbox mapx

300km Lat: -40.802 - Lng: 38.463

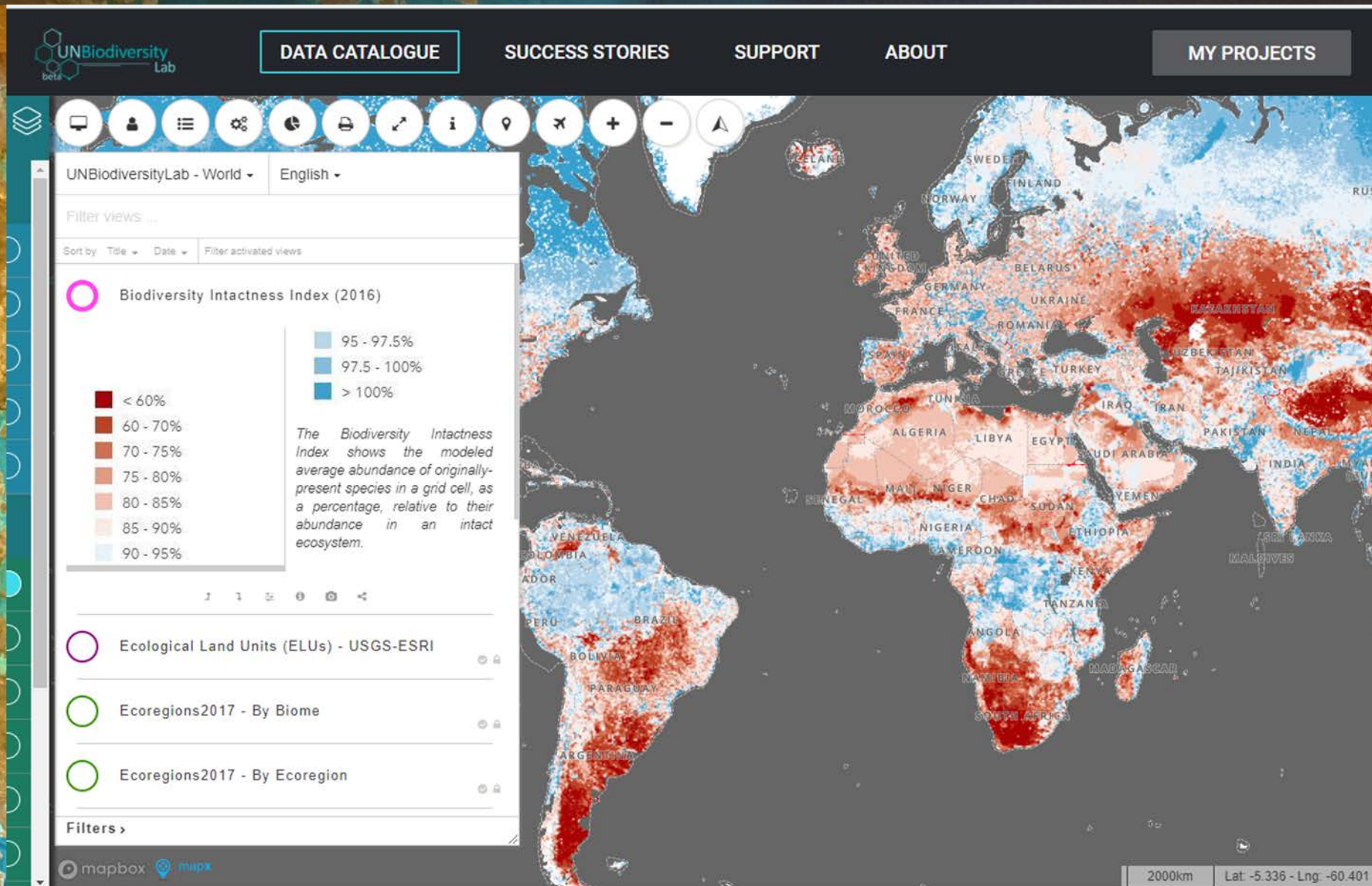
DATA ON UN BIODIVERSITY LAB | VECTOR



DATA | ATTRIBUTE TABLES FOR VECTOR DATA



DATA ON UN BIODIVERSITY LAB | RASTER



DATA ORGANIZATION ON UN BIODIVERSITY LAB

The screenshot displays the UN Biodiversity Lab web application interface. The top navigation bar includes the UN Biodiversity Lab logo, a 'DATA CATALOGUE' button, and links for 'SUCCESS STORIES', 'SUPPORT', 'ABOUT', and 'MY PROJECTS'. On the left, a sidebar contains a 'Select country/region' dropdown, a list of 'Apply Aichi Biodiversity Targets' (5, 11, 12, 14, 15) with toggle switches, and a section for 'Apply Themes' (Biodiversity, Climate & Carbon, Ecosystem Services, Human Impact, Land Cover, Marine) also with toggle switches. The main content area features a map of Africa and the Middle East, overlaid with a data catalog. The catalog includes a search bar, a language selector (English), a 'Filter views' section, and a list of data entries. A message in the catalog states: '[Select a different project, category or country to display available data]'. The map shows various countries and regions, with a scale bar indicating 1000km and coordinates (Lat -50.625 - Lng 81.299). The bottom of the interface contains a footer with 'Privacy Policy' and 'Terms of Use' links, a copyright notice for 2018 United Nations, and a 'Powered by mapx' logo.

UNBiodiversityLab

DATA CATALOGUE SUCCESS STORIES SUPPORT ABOUT MY PROJECTS

Select country/region

Apply Aichi Biodiversity Targets:

Aichi Biodiversity Target 5

Aichi Biodiversity Target 11

Aichi Biodiversity Target 12

Aichi Biodiversity Target 14

Aichi Biodiversity Target 15

Apply Themes:

Biodiversity

Climate & Carbon

Ecosystem Services

Human Impact

Land Cover

Marine

UNBiodiversityLab - World English

Filter views ...

Sort by Title Date Filter activated views

[Select a different project, category or country to display available data]

1000km Lat -50.625 - Lng 81.299

Powered by mapx

SEARCHING FOR DATA VIEWS

[ABOUT](#)

[DATA](#)

[STORIES](#)

[USER GUIDE](#)

[SUPPORT](#)

[MY PROJECTS](#)

Select country/region

Explore [18 biodiversity status maps](#) created for your country.

Apply Aichi Biodiversity Targets:

Aichi Biodiversity Target 5

☐

Aichi Biodiversity Target 11

☐

Aichi Biodiversity Target 12

☐

Aichi Biodiversity Target 14

☐

Aichi Biodiversity Target 15

☐

Apply Themes:

Biodiversity

☐

Climate & Carbon

☐

Ecosystem Services

☐

Human Impact

☐

Land Cover

☐

Marine

☐

UNBiodiversityLab - World

English

Filter views ...

Filter activated views

Advanced filter (122 / 122)

☐

Aboveground Biomass Density of Vegetation (Mg/ha)

☐

☐

☐

Aboveground live woody carbon density change 2003-2014 (Baccini et al. 2017)

☐

☐

☐

Accessibility To Cities (2015)

☐

☐

☐

Administrative International Boundaries Level 0 - UNmap (2018)

☐

☐

☐

☐

Annual Water Recurrence (1984 - 2018) - Global Surface Water Explorer

☐

☐

☐

☐

Bare Ground Change 1982 - 2016

☐

☐

☐

Baseline Water Stress

☐

☐

☒

☐

Change in Terrestrial Ecoregion Protection 2016-2018

☐

☐

☒

☐

Biodiversity Intactness Index (2016)

☐

☐

☐

Change in Cumulative Human Impacts

☐

☐

500km

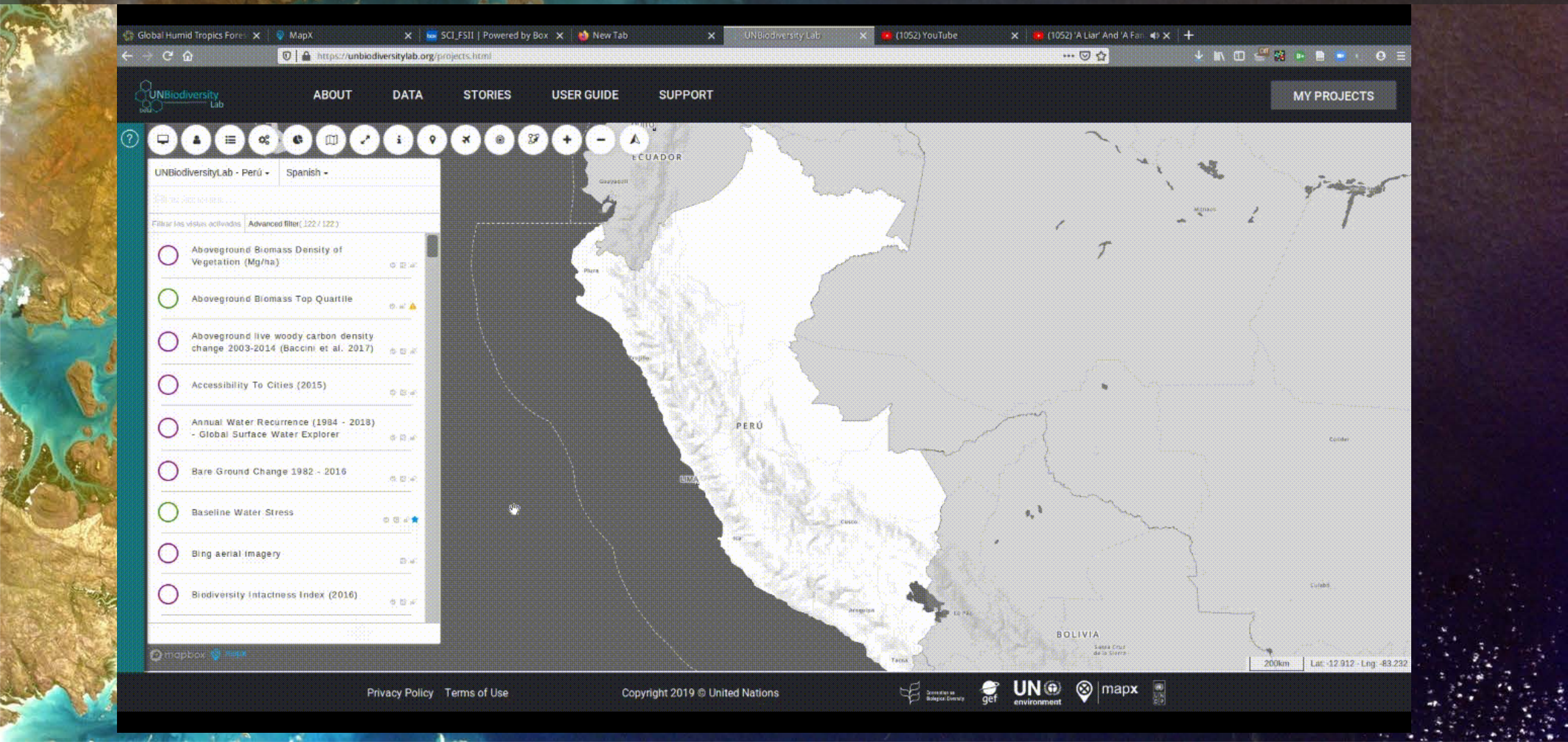
Lat: -15.047 - Lng: -21.823

Privacy Policy

Terms of Use

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FIND FOREST INTEGRITY PROJECT DATA





VISUALIZE DATA ON UN BIODIVERSITY LAB

VISUALIZING DATA



DATA CATALOGUE

SUCCESS STORIESSUPPORTABOUT

MY PROJECTS

Select country/region

Apply Aichi Biodiversity Targets:

Aichi Biodiversity Target 5

Aichi Biodiversity Target 11

Aichi Biodiversity Target 12

Aichi Biodiversity Target 14

Aichi Biodiversity Target 15

Apply Themes:

Biodiversity

Climate & Carbon

Ecosystem Services

Human Impact

Land Cover

Marine

UNBiodiversityLab - WorldEnglish

Filter views ...

Sort by TitleDateFilter activated views

[Select a different project, category or country to display available data]

mapboxmapx

1000kmLat: -36.982 - Lng: 41.033

FULL SCREEN MODE

[DATA CATALOGUE](#)[SUCCESS STORIES](#)[SUPPORT](#)[ABOUT](#)[MY PROJECTS](#)

Select country/region



Apply Aichi Biodiversity Targets:

Aichi Biodiversity Target 5



Aichi Biodiversity Target 11



Aichi Biodiversity Target 12



Aichi Biodiversity Target 14



Aichi Biodiversity Target 15



Apply Themes:

Biodiversity



Climate & Carbon



Ecosystem Services



Human Impact



Land Cover



Marine



UNBiodiversityLab - World

English

Filter views ...

Sort by Title Date Filter activated views

Biodiversity Intactness Index (2016)

Ecological Land Units (ELUs) - USGS-ESRI

Ecoregions2017 - By Biome

Ecoregions2017 - By Ecoregion

Intact Forest Landscapes (IFLs)

Last of the Wild (2009)

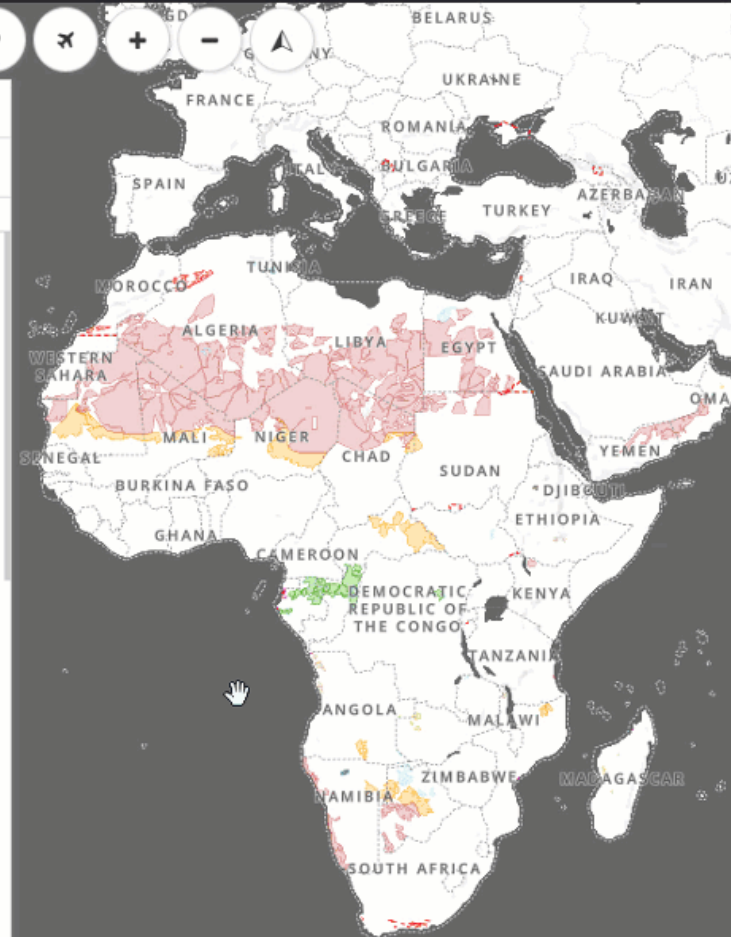
Biome Name

- Boreal forests taiga
- Deserts and xeric shrublands
- Flooded grasslands and sav...
- Mangrove
- Mediterranean forests wood...
- Montane grasslands and sa...
- Temperate broadleaf and mi...

This layer shows a regionally representative map of wilderness following the well-established 'Last of the Wild' methodology. It identifies the 10% area with the lowest human pressure within each of Earth's 60 biogeographic realms and

Filters >

mapbox



1000km Lat: -9.102 - Lng: 15.381

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LAYERING DATA VIEWS



ABOUTDATASTORIESUSER GUIDESUPPORTMY PROJECTS

Select country/region

Explore 18 biodiversity status maps created for your country.

Apply Aichi Biodiversity Targets:

Aichi Biodiversity Target 5

Aichi Biodiversity Target 11

Aichi Biodiversity Target 12

Aichi Biodiversity Target 14

Aichi Biodiversity Target 15

Apply Themes:

Biodiversity

Climate & Carbon

Ecosystem Services

Human Impact

Land Cover

Marine

UNBiodiversityLab - WorldEnglish

Filter views ...

Filter activated viewsAdvanced filter(2 / 122)

Range Rarity

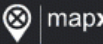
Last of the Wilds (1993)



1000kmLat: 8.663 - Lng: -3.914

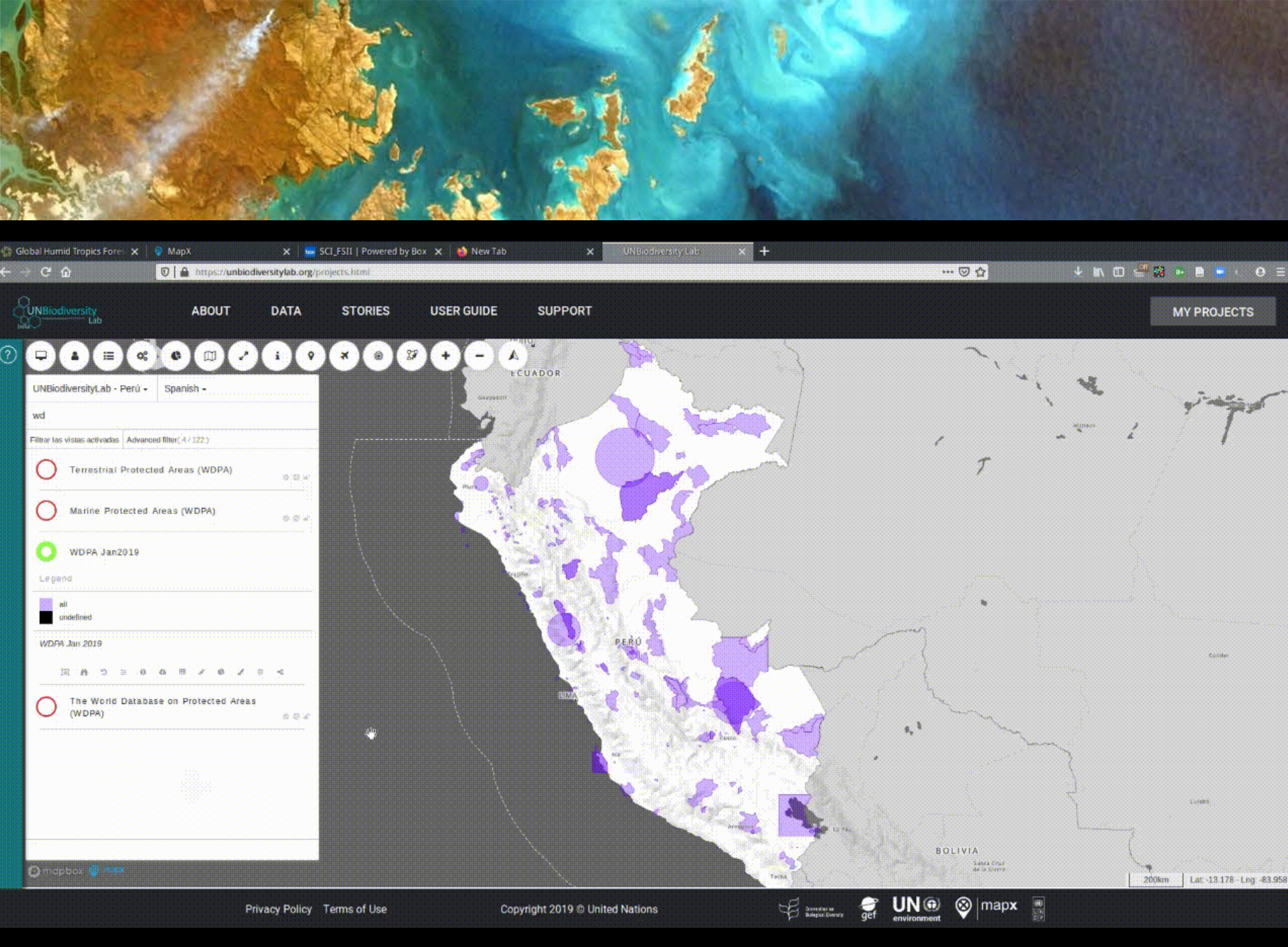
Privacy PolicyTerms of Use

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4. RUN BASIC ANALYSES & DOWNLOAD MAPS



1. AREA CALCULATION WDPA

2. INTERSECTION QUICK VIEW

IUCN Green List, Key Biodiversity Areas & Last of the Wilds

3. CLICK-TO-CREATE POLYGONS

Project area of interest,
new PA, IPLC territory
Point, line, polygon

The screenshot displays the UNBiodiversityLab web application. The top navigation bar includes links for ABOUT, DATA (highlighted), STORIES, USER GUIDE, SUPPORT, and MY PROJECTS. Below the navigation bar is a toolbar with various map interaction icons. The main interface is divided into a left sidebar and a right map area. The sidebar contains a dropdown menu for 'UNBiodiversityLab - Angola' and 'English'. Below this is a 'Filter views ...' section with a 'Sort by' dropdown (set to 'Title') and a 'Filter activated views' section. A list of data layers is shown, each with a circular selection button and a list of icons: 'Aboveground Biomass Density of Vegetation (Mg/ha)', 'Aboveground live woody carbon density change 2003-2014 (Baccini et al. 2017)', 'Accessibility To Cities (2015)', 'Annual Water Recurrence (1984 - 2015) - Global Surface Water Explorer', 'Bare Ground Change 1982 - 2016', 'Baseline Water Stress' (which is selected and highlighted in green), 'Bing aerial imagery', and 'Biodiversity Intactness Index (2016)'. At the bottom of the sidebar is a 'Filter views by tag' dropdown and a 'mapbox' logo. The map area on the right shows a map of Angola with labels for various locations: Calulo, Quibala, Waku-Kungo, Kuito, Huambo, Caconda, Saurimo, Luena, Cangamba, Menongue, and Cuito Cuanavale. A scale bar at the bottom right indicates 100km, and the coordinates 'Lat: -12.278 - Lng: 21.772' are displayed. The bottom footer contains links for 'Privacy Policy' and 'Terms of Use', the copyright notice 'Copyright 2019 © United Nations', and logos for the Convention on Biological Diversity, gef, UN environment, mapx, and UNDP.

UNBiodiversityLab

ABOUT DATA STORIES USER GUIDE SUPPORT MY PROJECTS

UNBiodiversityLab - Angola English

Filter views ...

Sort by Title Date Filter activated views

- ☐ Aboveground Biomass Density of Vegetation (Mg/ha)
- ☐ Aboveground live woody carbon density change 2003-2014 (Baccini et al. 2017)
- ☐ Accessibility To Cities (2015)
- ☐ Annual Water Recurrence (1984 - 2015) - Global Surface Water Explorer
- ☐ Bare Ground Change 1982 - 2016
- ☒ Baseline Water Stress
- ☐ Bing aerial imagery
- ☐ Biodiversity Intactness Index (2016)

Filter views by tag

mapbox

ANGOLA

Calulo Quibala Waku-Kungo Kuito Huambo Caconda Saurimo Luena Cangamba Menongue Cuito Cuanavale

100km

Lat: -12.278 - Lng: 21.772

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Convention on Biological Diversity gef UN environment mapx UNDP

3. CLICK-TO-CREATE POLYGONS

Project area of interest,
new PA, IPLC territory

Download

The screenshot displays the UNBiodiversityLab web application. The top navigation bar includes links for ABOUT, DATA (highlighted), STORIES, USER GUIDE, SUPPORT, and MY PROJECTS. Below the navigation bar is a toolbar with various icons for map interaction. The main map area shows a map of Angola with two pink polygons drawn over it, one near Kuito and another near Menongue. The left sidebar contains a list of data layers, each with a colored circle icon and a title. The first layer, 'mx_draw_s4p5v.geojson', is highlighted with an orange circle. The other layers are: 'Aboveground Biomass Density of Vegetation (Mg/ha)', 'Aboveground live woody carbon density change 2003-2014 (Baccini et al. 2017)', 'Accessibility To Cities (2015)', 'Annual Water Recurrence (1984 - 2015) - Global Surface Water Explorer', 'Bare Ground Change 1982 - 2016', and 'Baseline Water Stress'. The bottom of the interface features a footer with links for Privacy Policy and Terms of Use, a copyright notice for 2019 United Nations, and logos for the Convention on Biological Diversity, gef, UN environment, mapx, and UNDP. The map includes a scale bar for 100km and coordinates (Lat: -10.295 - Lng: 12.940).

UNBiodiversityLab

ABOUT DATA STORIES USER GUIDE SUPPORT MY PROJECTS

UNBiodiversityLab - Angola English

Filter views ...

Sort by Title Date Filter activated views

- ☒ mx_draw_s4p5v.geojson
mx_draw_s4p5v.geojson
- ☐ Aboveground Biomass Density of Vegetation (Mg/ha)
- ☐ Aboveground live woody carbon density change 2003-2014 (Baccini et al. 2017)
- ☐ Accessibility To Cities (2015)
- ☐ Annual Water Recurrence (1984 - 2015) - Global Surface Water Explorer
- ☐ Bare Ground Change 1982 - 2016
- ☐ Baseline Water Stress

Filter views by tag

mapbox mapx

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Convention on Biological Diversity gef UN environment mapx UNDP

100km Lat: -10.295 - Lng: 12.940

4. CREATE & DOWNLOAD MAPS

Ecoregions (by biome)
& City Water Intake
Visualize data views

The screenshot displays the UNBiodiversityLab web application. The top navigation bar includes links for ABOUT, DATA (highlighted), STORIES, USER GUIDE, SUPPORT, and MY PROJECTS. Below the navigation bar is a toolbar with various map interaction icons. The main interface is split into a sidebar on the left and a map on the right. The sidebar shows a list of data layers with radio buttons for selection. The map on the right shows the Caribbean region, including Haiti, Santo Domingo, and Puerto Rico, with a 100km scale bar and coordinates (Lat: 17.144 - Lng: -72.354) at the bottom right. The footer contains links for Privacy Policy and Terms of Use, copyright information (Copyright 2019 © United Nations), and logos for the Convention on Biological Diversity, gef, UN environment, mapx, and UNDP.

UNBiodiversityLab

ABOUT DATA STORIES USER GUIDE SUPPORT MY PROJECTS

UNBiodiversityLab - World English

Filter views ...

Sort by Title Date Filter activated views

- ☐ Aboveground Biomass Density of Vegetation (Mg/ha)
- ☐ Aboveground live woody carbon density change 2003-2014 (Baccini et al. 2017)
- ☐ Accessibility To Cities (2015)
- ☐ Annual Water Recurrence (1984 - 2015) - Global Surface Water Explorer
- ☐ Bare Ground Change 1982 - 2016
- ☐ Bing aerial imagery
- ☐ Biodiversity Intactness Index (2016)
- ☐ Change in Cumulative Human Impact to Marine Ecosystems (2008-2013)

Filter views by tag

mapbox mapx

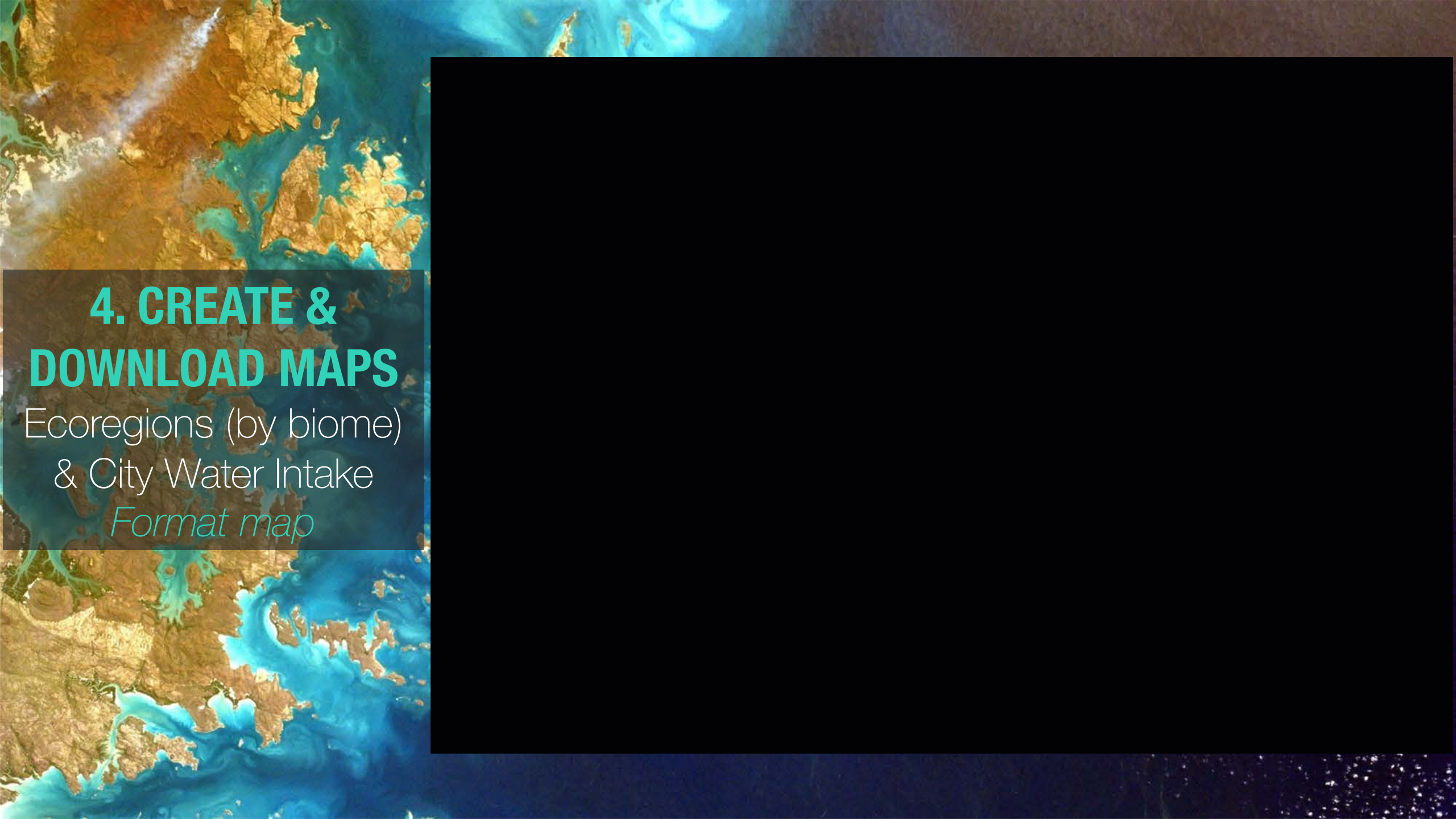
100km

Lat: 17.144 - Lng: -72.354

Privacy Policy Terms of Use

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Convention on Biological Diversity gef UN environment mapx UNDP

A satellite map of the Amazon basin, showing the intricate network of rivers and the vast expanse of the rainforest. The colors are vibrant, with deep blues for the water and various shades of green and brown for the land.

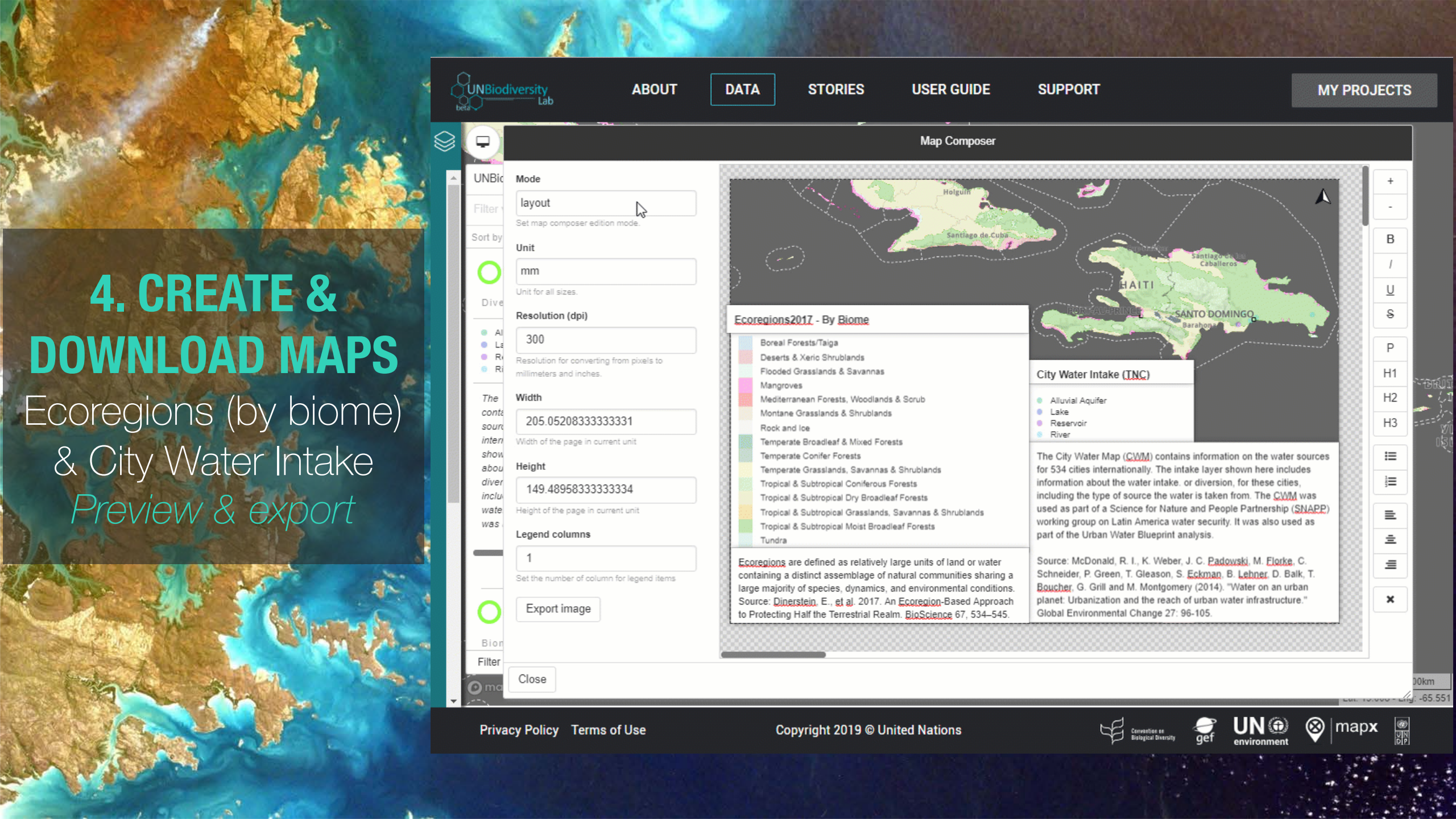
4. CREATE & DOWNLOAD MAPS

Ecoregions (by biome)
& City Water Intake
Format map

A world map is visible in the background, showing the continents in a light brown/tan color against a dark blue ocean. The map is slightly faded and serves as a backdrop for the text.

Ecoregions (by biome) & City Water Intake

Preview & export





Exclusive Economic Zone (200NM) (2018)

Legend

 EEZ (200NM)

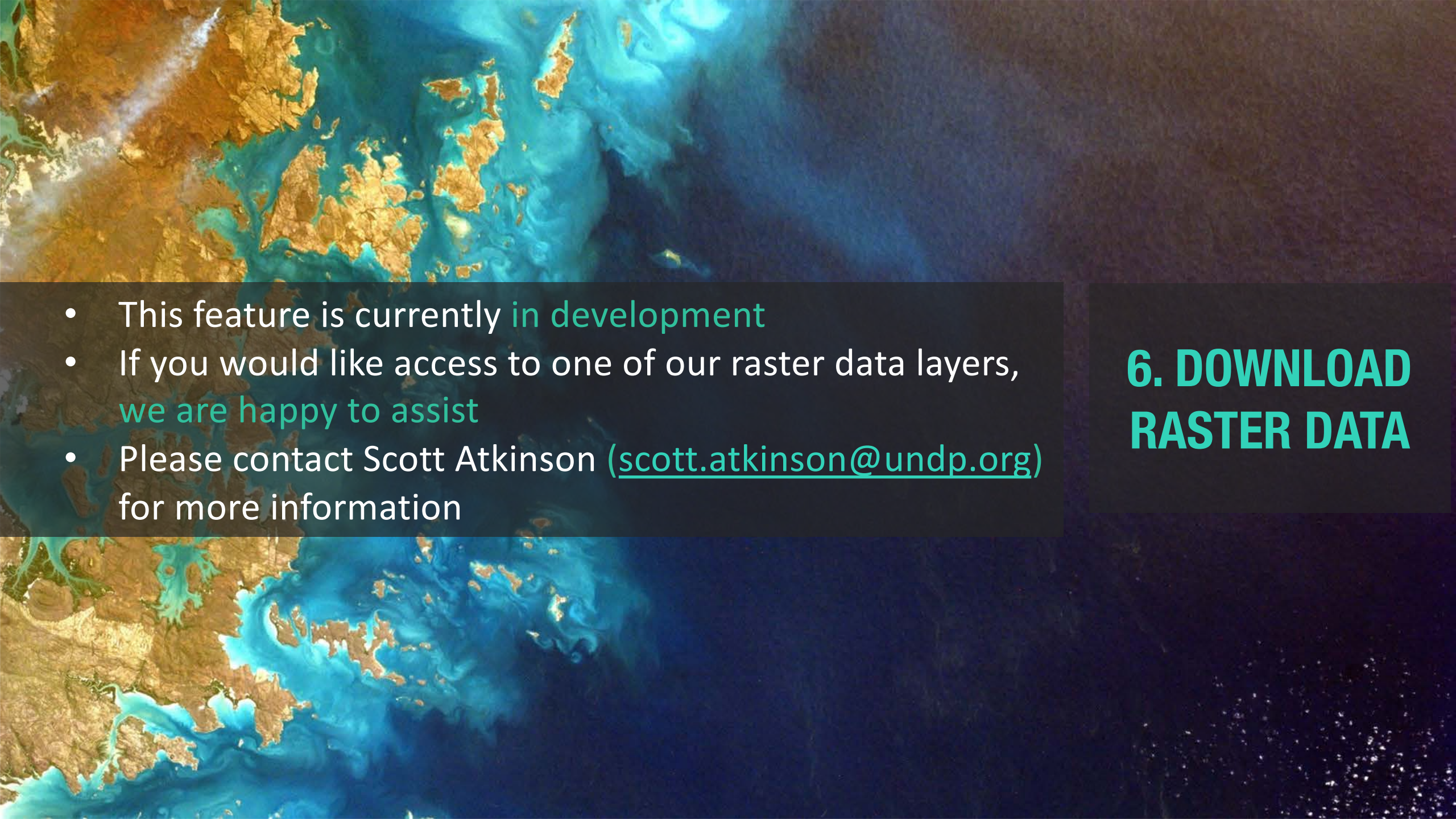
The Exclusive Economics Zone (EEZ) v10 dataset builds on previous versions of the world's EEZ, and indicates the 200 nautical mile outer limit maritime boundary. This dataset also contains digital information about treaties, joint regime, and

disputed boundaries.

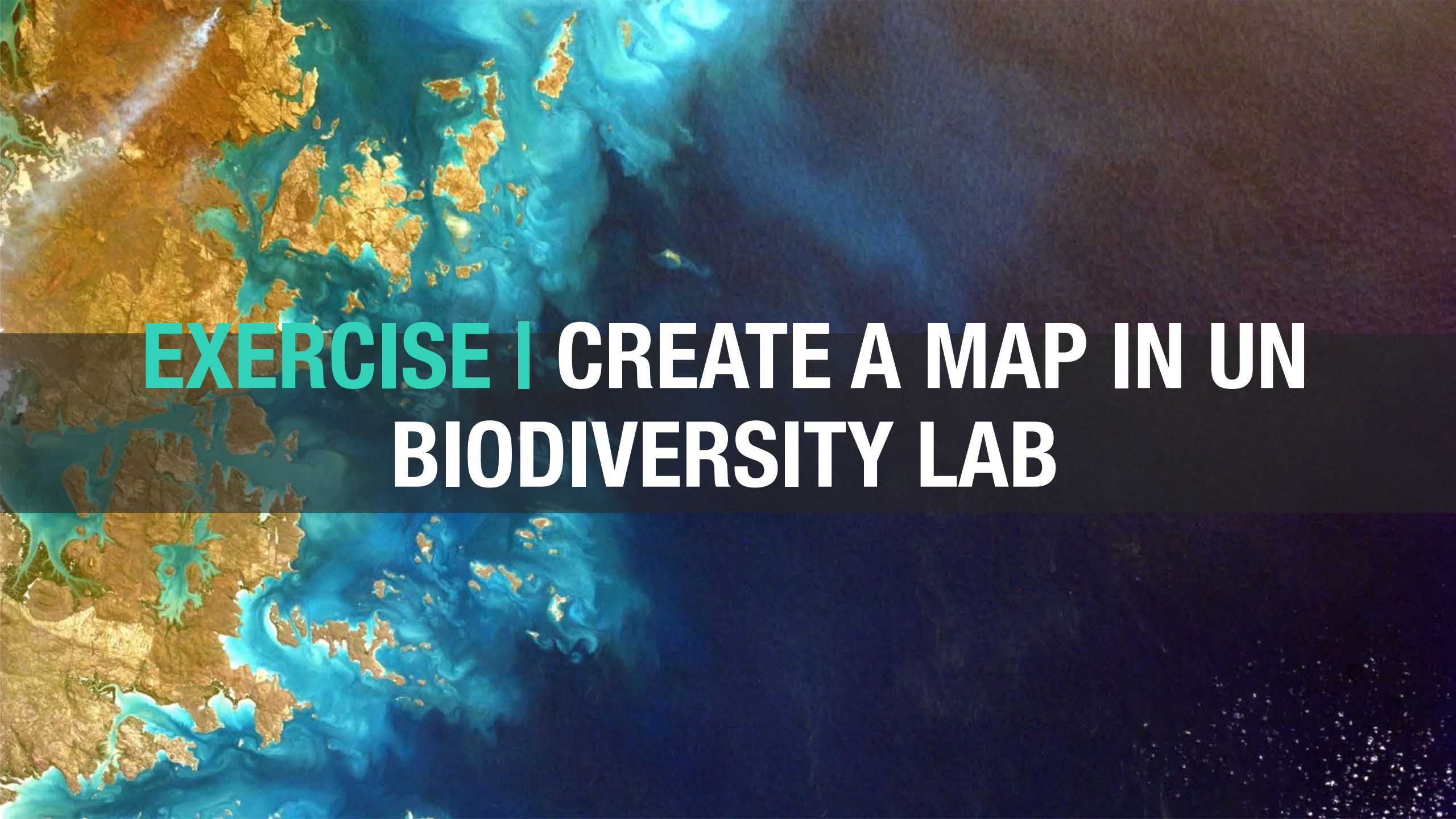
For further information see: Flanders Marine Institute (2018). Maritime Boundaries Geodatabase: Maritime Boundaries and Exclusive Economic Zones (200NM), version 10.

Available online at [/www.marineregions.org](http://www.marineregions.org)

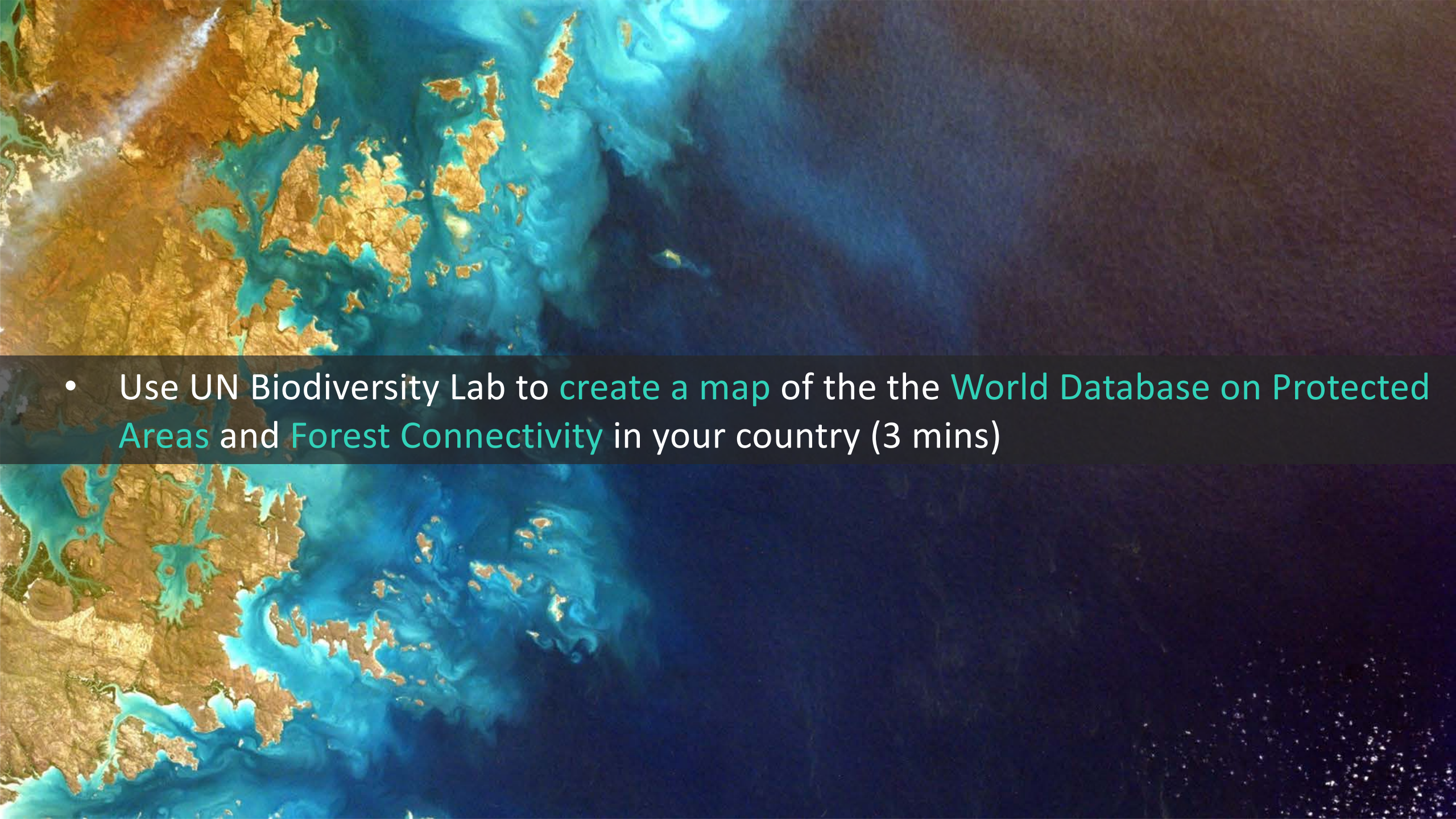
**5. DOWNLOAD
VECTOR DATA**

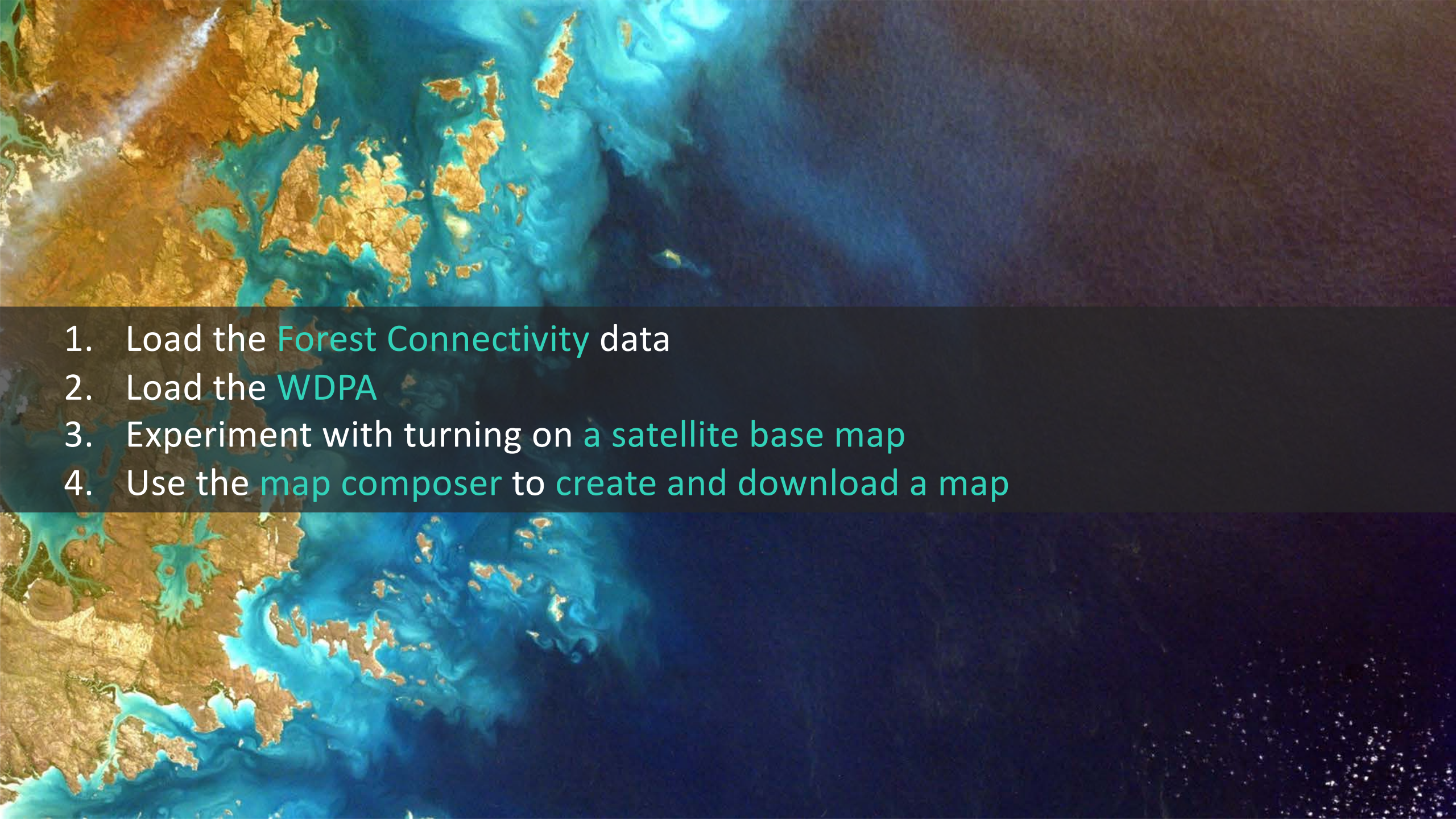
- 
- This feature is currently **in development**
 - If you would like access to one of our raster data layers, **we are happy to assist**
 - Please contact Scott Atkinson (scott.atkinson@undp.org) for more information

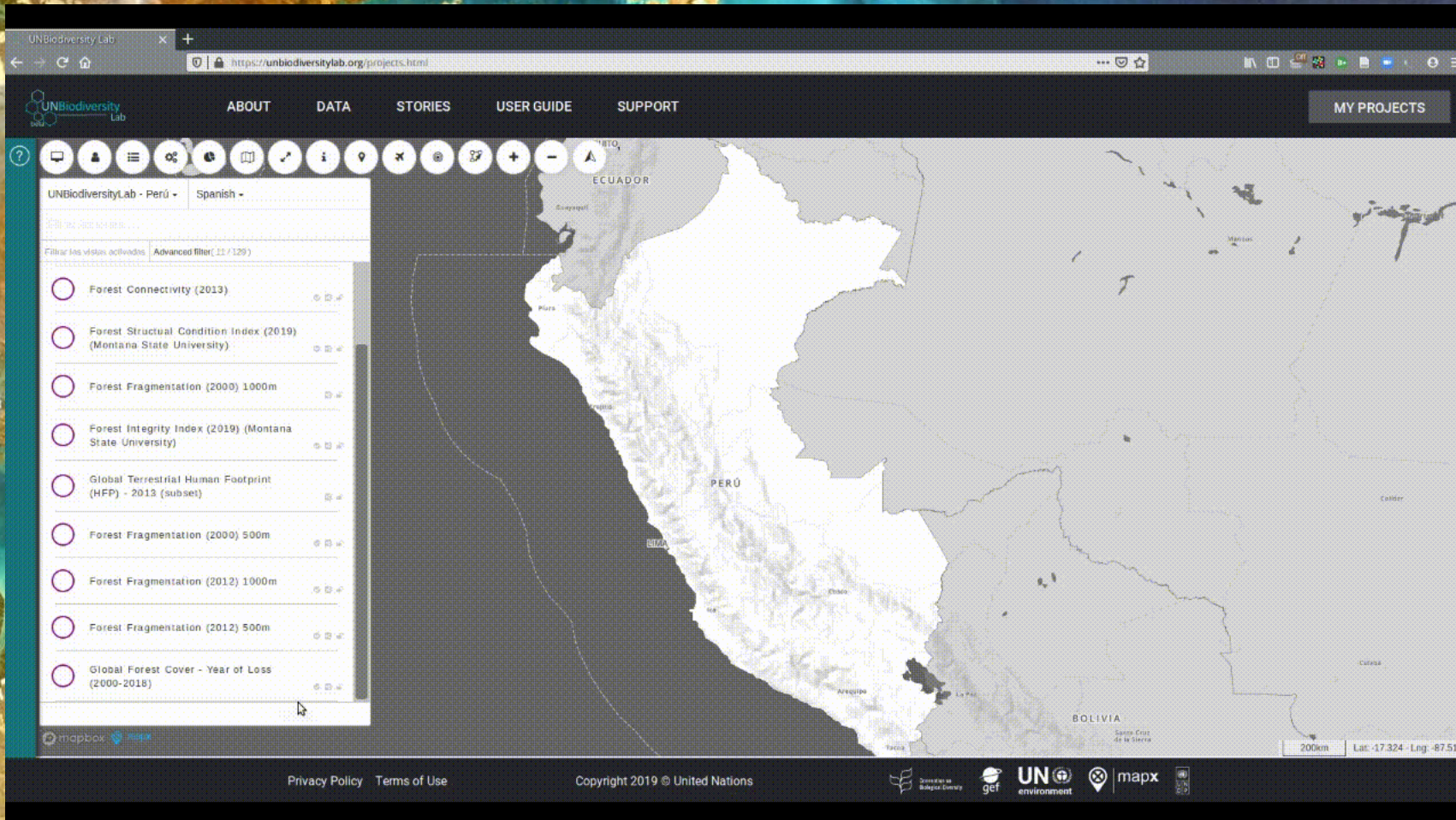
6. DOWNLOAD RASTER DATA



EXERCISE I CREATE A MAP IN UN BIODIVERSITY LAB

- 
- Use UN Biodiversity Lab to [create a map](#) of the the [World Database on Protected Areas](#) and [Forest Connectivity](#) in your country (3 mins)

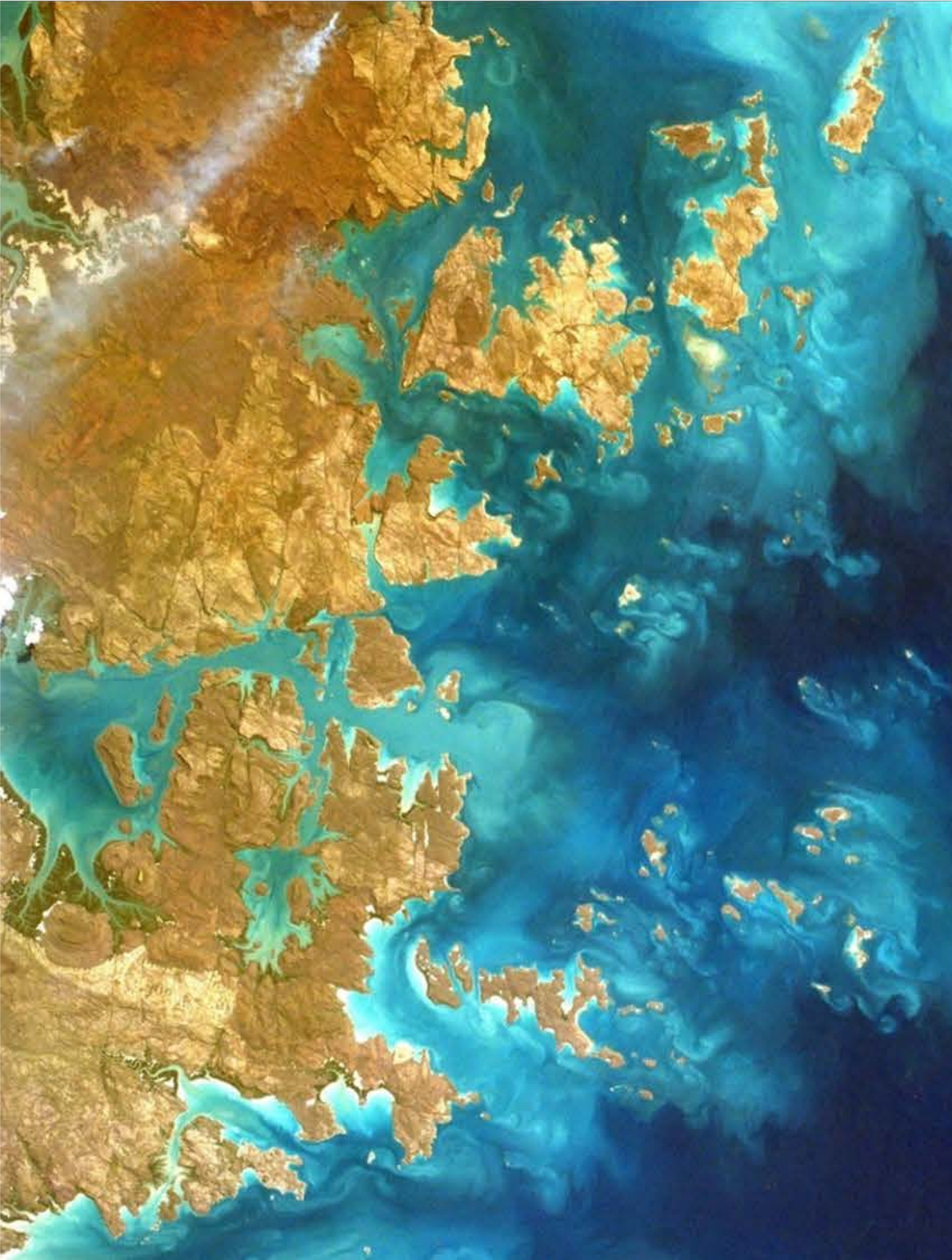
- 
- A satellite map of a coastal region, likely the Gulf of Mexico or Caribbean Sea, showing brown landmasses and blue water. The water has a textured, swirling appearance, possibly indicating ocean currents or sediment. The landmasses are irregular and fragmented, with some smaller islands visible. The overall scene is a high-resolution satellite image.
1. Load the **Forest Connectivity** data
 2. Load the **WDPA**
 3. Experiment with turning on a **satellite base map**
 4. Use the **map composer** to create and download a map



- This GIF takes you through the process step by step

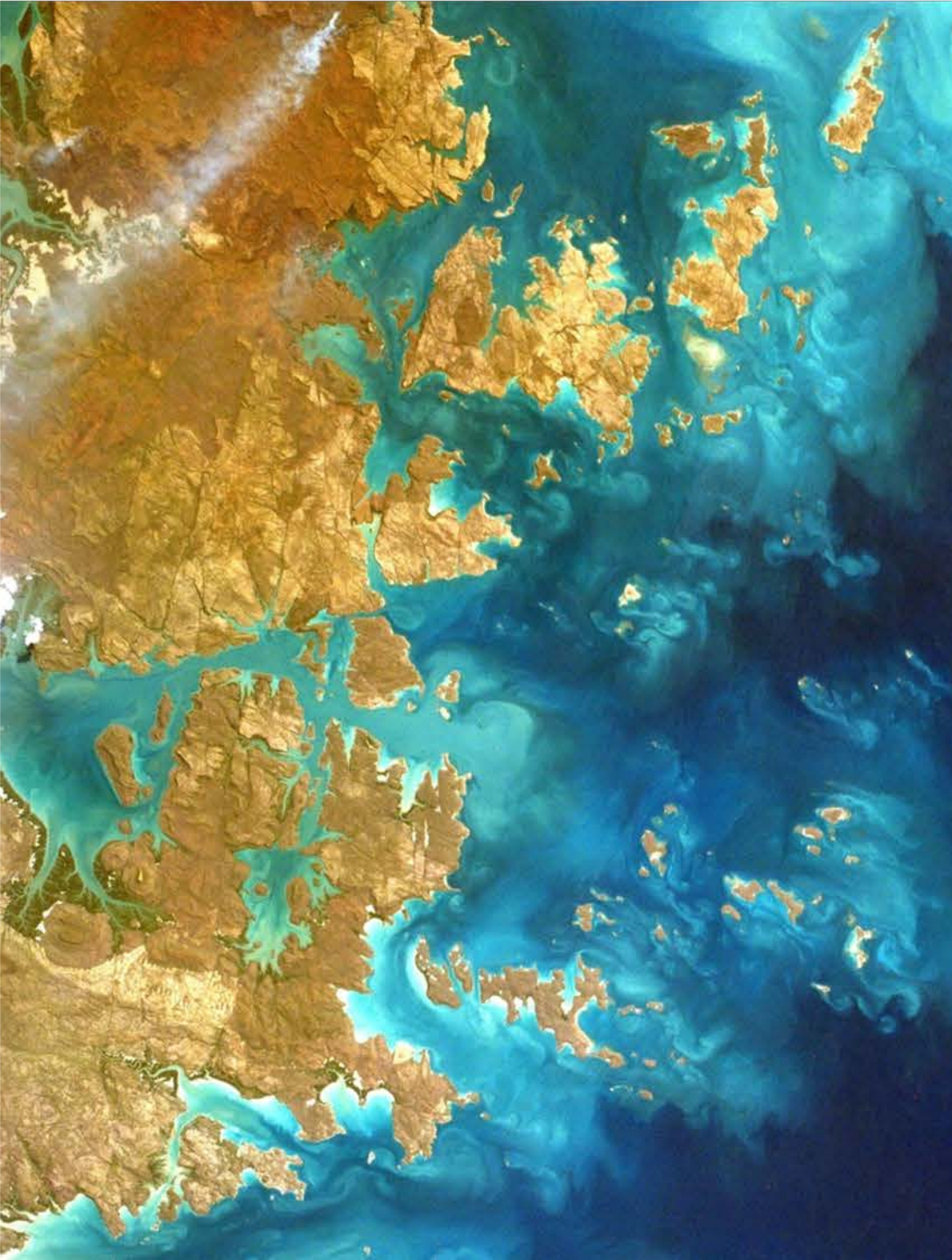
A satellite image of the North Atlantic Ocean, showing the eastern coast of North America on the left and the western coast of Europe on the right. The ocean is a deep blue, with some lighter blue areas indicating shallower depths or ice. A dark blue horizontal band runs across the center of the image, serving as a background for the text.

5. CONCLUSIONS



HOW CAN UN BIODIVERSITY LAB SUPPORT YOUR WORK?

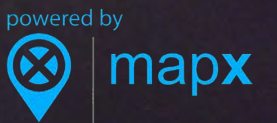
- Access [over 100 data layers](#) relevant to biodiversity, protected areas, climate, and ecosystem service.
- Visualize [NASA Forest Integrity Project data](#) to share with diverse stakeholders
- Perform basic analyses ([click-t-to-create polygon](#), [area calculation](#), [intersection previews](#))
- [Contact our team](#) to explore your data needs or to set up a training for you!



Convention on
Biological Diversity



Empowered lives.
Resilient nations.



UNDP NATURE FOR DEVELOPMENT TEAM



Jamison Ervin
UNDP



Scott Atkinson
UNDP



Christina Supples
UNDP



Diego Ochoa
UNDP



Annie Virnig
UNDP



Marion Marigo
UNDP



Prudence Raine
UNDP

A satellite image of Earth showing the Western Hemisphere, including North and South America, the Atlantic Ocean, and parts of Europe and Africa. The image is used as a background for the slide.

THANK YOU!

Scott Atkinson | scott.atkinson@undp.org
Annie Virnig | anne.virnig@undp.org

WWW.UNBIODIVERSITYLAB.ORG

Contacts

- ARSET Land Management & Wildfire Contacts
 - Amber McCullum: AmberJean.Mccullum@nasa.gov
 - Juan Torres-Pérez: juan.l.torresperez@nasa.gov
- General ARSET Inquiries
 - Ana Prados: aprados@umbc.edu
- ARSET Website:
 - <http://arset.gsfc.nasa.gov>



Final Session: How are Countries Using Spatial Data to Support Conservation of Nature?

Amber McCullum, Juan Torres-Pérez, Marion Marigo, Diego Ochoa, **ADD COUNTRY PRESENTERS**

March 31, 2020



Questions

- Please enter your questions into the Q&A box
- We will post the questions and answers to the training website following the conclusion of the course





Thank You!

