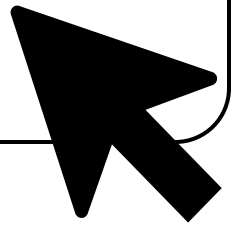


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Regional Center Copernicus for America Latin America and the Caribbean

Storage, processing and distribution of satellite data
of the Program Copernicus

Image: Tabasco, Mexico >



Land cover and
land use

Direct access >



Urban Atlas

Direct access >



Coastal
monitoring

Direct access >



Sentinel image
repository

Direct access >



Private cloud

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Upcoming events



Land cover and
land use

Direct access >



Urban Atlas

Direct access >



Coastal
monitoring

Direct access >



Sentinel image
repository

Direct access >



Private cloud

Direct access >

coming events



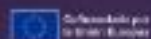
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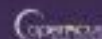
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Caracterización de



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Coastal monitoring

CopernicusLAC Chile will use Copernicus Marine Services to transform its global services into regional services for Latin America and the Caribbean.

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Inicio › en › nuestros servicios › monitoreo de costas

What is it?

Marine and coastal observation platform that integrates satellite and in situ data to monitor ocean and coastal conditions in Latin America and the Caribbean, ensuring accuracy and regional relevance.

Objective

Strengthen the management of the ocean and coastal areas through validated information on temperature, water salinity, sea surface height, current speed, sea ice, nutrients, carbon, transparency, turbidity and sea surface waves, among other essential parameters for scientific research and adaptation to climate change.

Methodology

We added terrain data and refined machine learning models to give these services a more precise and regionally validated character. Based on the Copernicus Marine Services, this system adapts global models to the LAC regional scale by incorporating field observations for calibration and validation. It uses mathematical models and machine learning to improve accuracy, resolution, and local applicability, providing key tools for coastal and marine decision-making.



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CMM
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CHILE

Copernicus Regional Centre for Latin America and the Caribbean

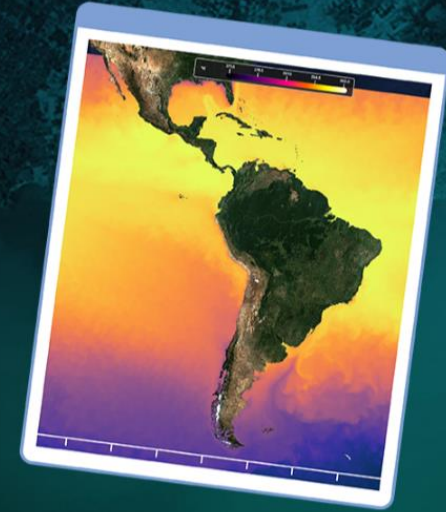
Av. Beauchef 851, North Building, Sixth floor
Santiago, Chile
+562 2978 4728



Coastal monitoring

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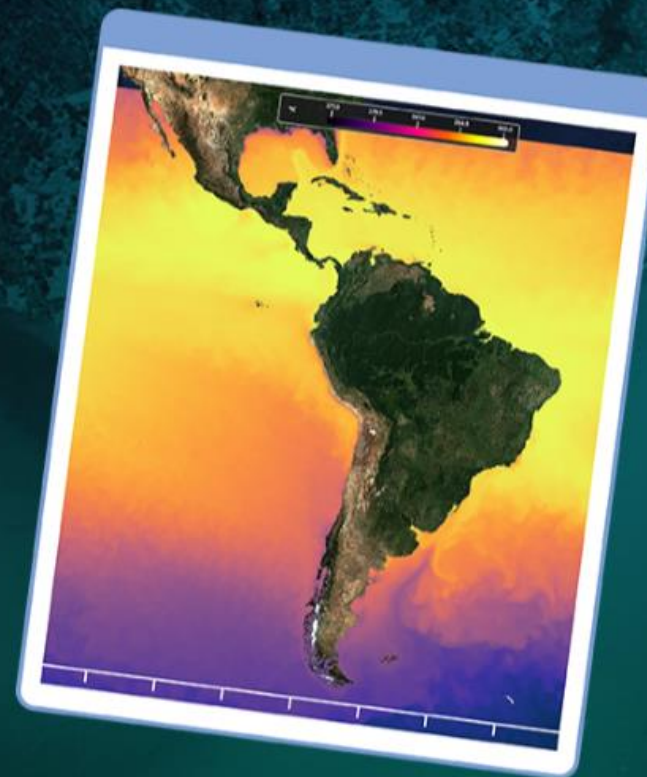
Methodology

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Coastal monitoring

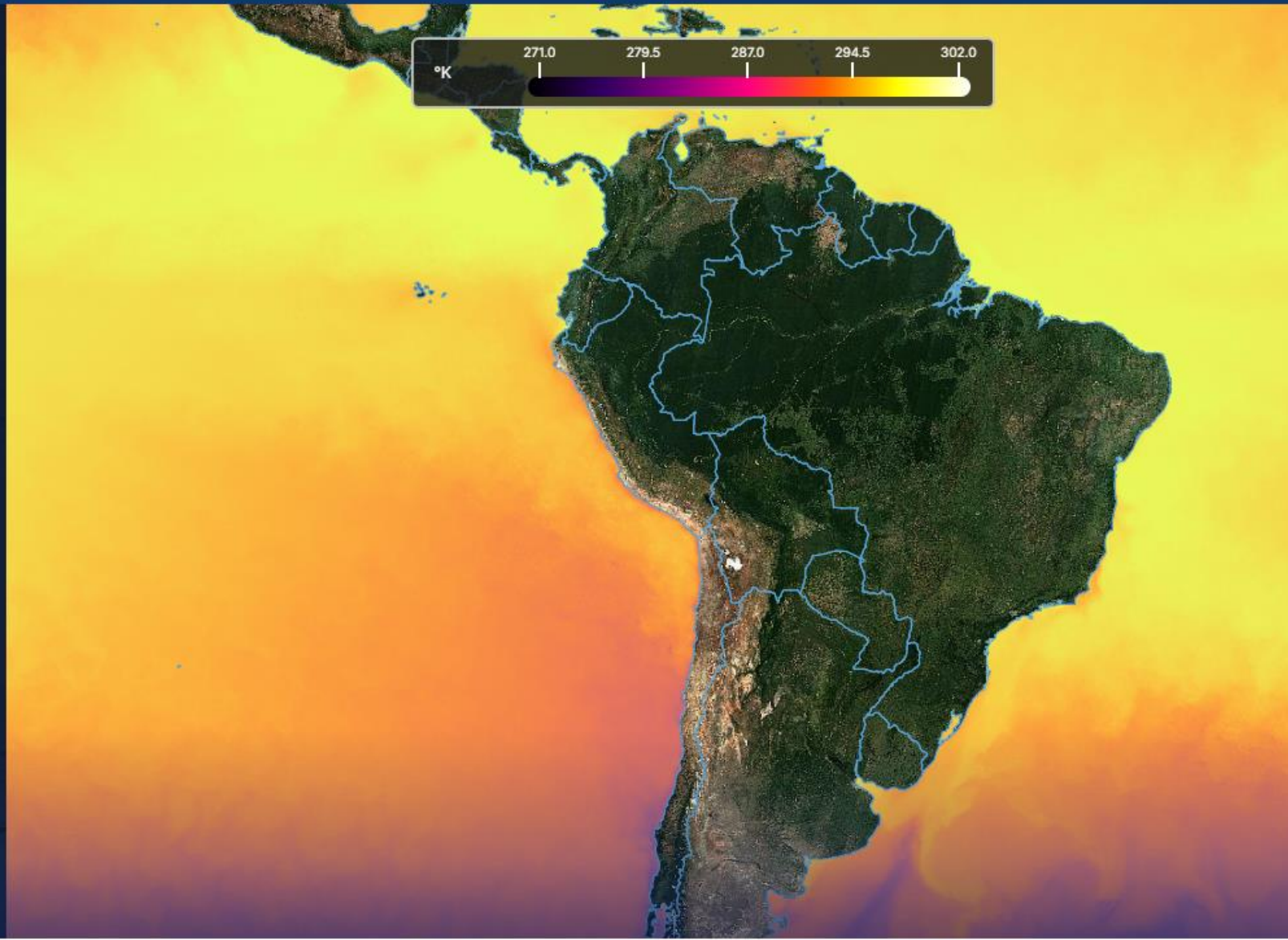
CopernicusLAC Chile will use Copernicus Marine Services to transform its global services into regional services for Latin America and the Caribbean.

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What is it?

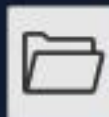
Marine and coastal observation platform that integrates satellite and in situ data to monitor ocean and coastal conditions in Latin America and the Caribbean, ensuring accuracy and regional relevance.

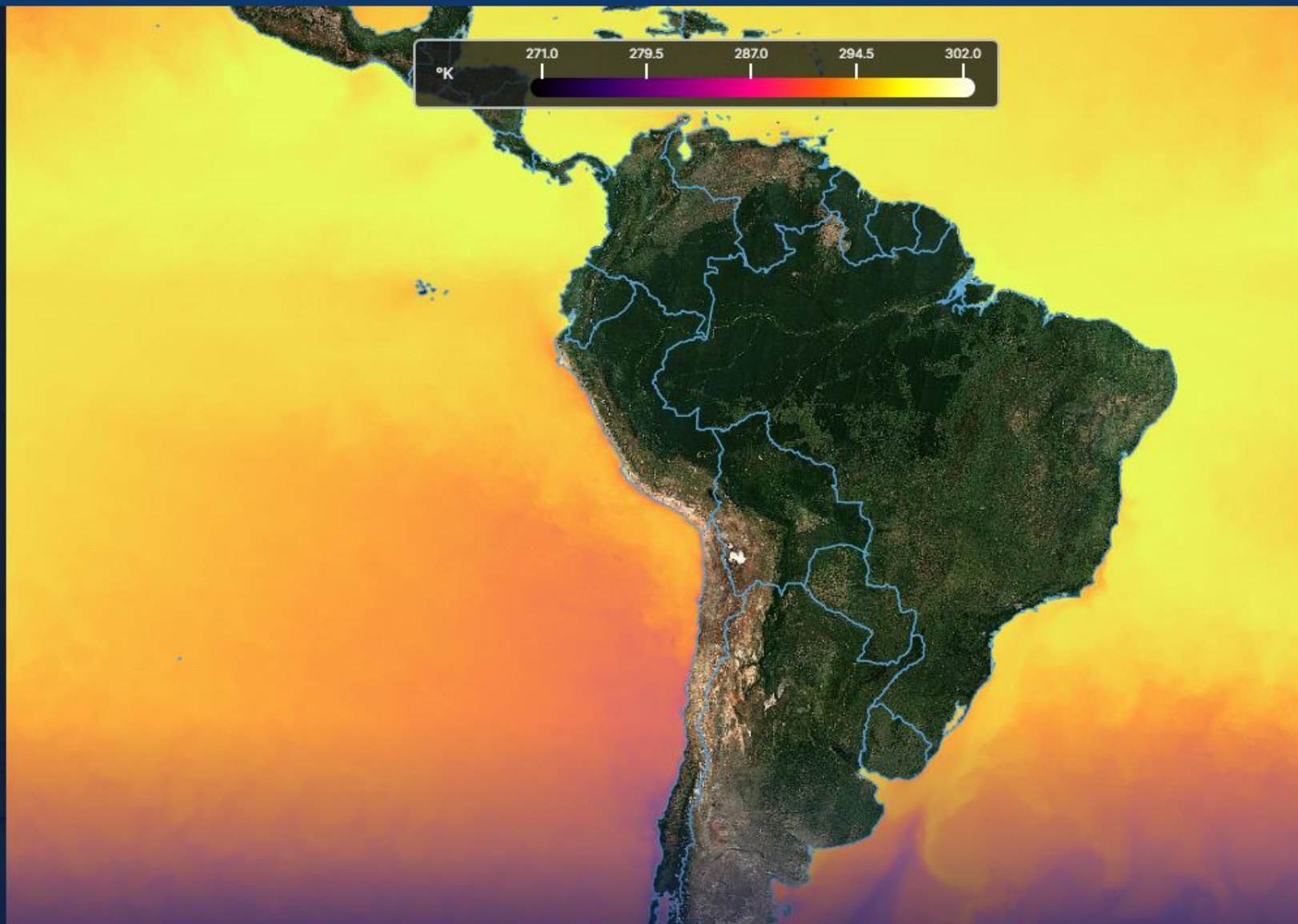


1000 km

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279.5 287.0 294.5 302.0





Jan 24

Feb 24

Mar 24

Apr 24

May 24

Jun 24

Jul 24

Aug 24

Sep 24

Oct 24

Nov 24

Dec 24

1000 km

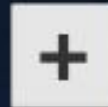
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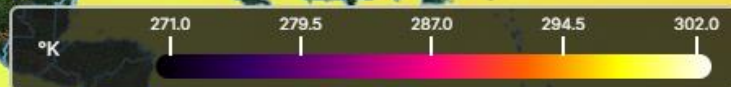
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1000 km

Sea surface temperature

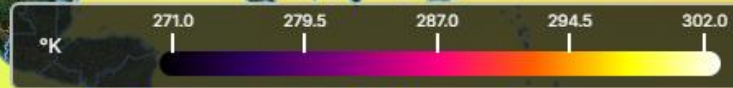
Chlorophyll



Jan 24 Feb 24 Mar 24 Apr 24 May 24 Jun 24 Jul 24 Aug 24 Sep 24 Oct 24 Nov 24 Dec 24

1000 km

Sea surface temperature



Coordinates (WGS84)

N: 0

W: 0

E: 0

S: 0

Draw on the map

Search

Time range

- | | | |
|-----------------------------------|---------------------------------|------------------------------------|
| ☐ January | ☐ May | ☐ September |
| ☐ February | ☐ June | ☐ October |
| ☐ March | ☐ July | ☐ November |
| ☐ April | ☐ August | ☐ December |

Select all

Deselect all

~0 MB

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Chlorophyll

Jan 24

Feb 24

Mar 24

Apr 24

May 24

Jun 24

Jul 24

Aug 24

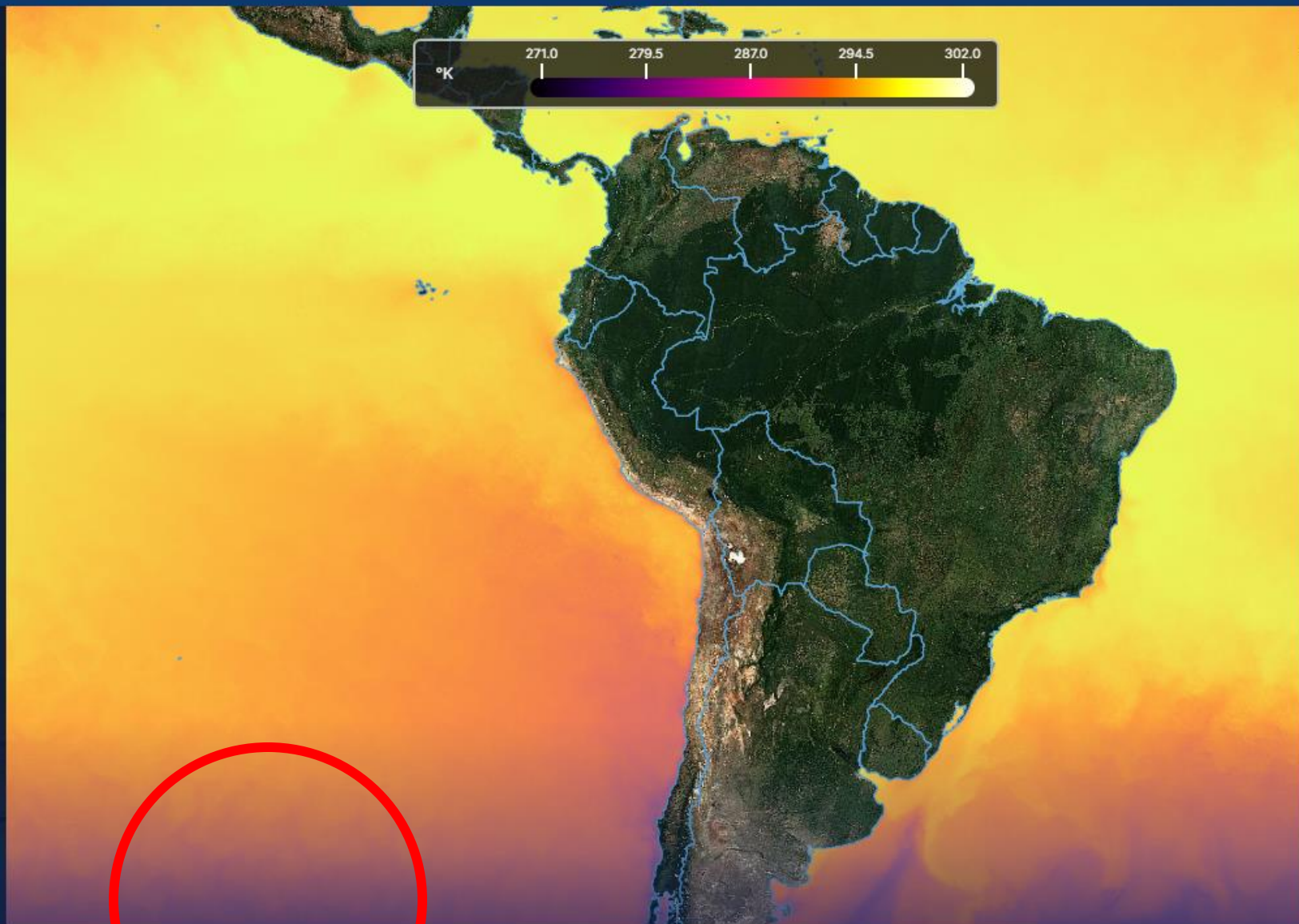
Sep 24

Oct 24

Nov 24

Dec 24

1000 km



Jan 24

Feb 24

Mar 24

Apr 24

May 24

Jun 24

Jul 24

Aug 24

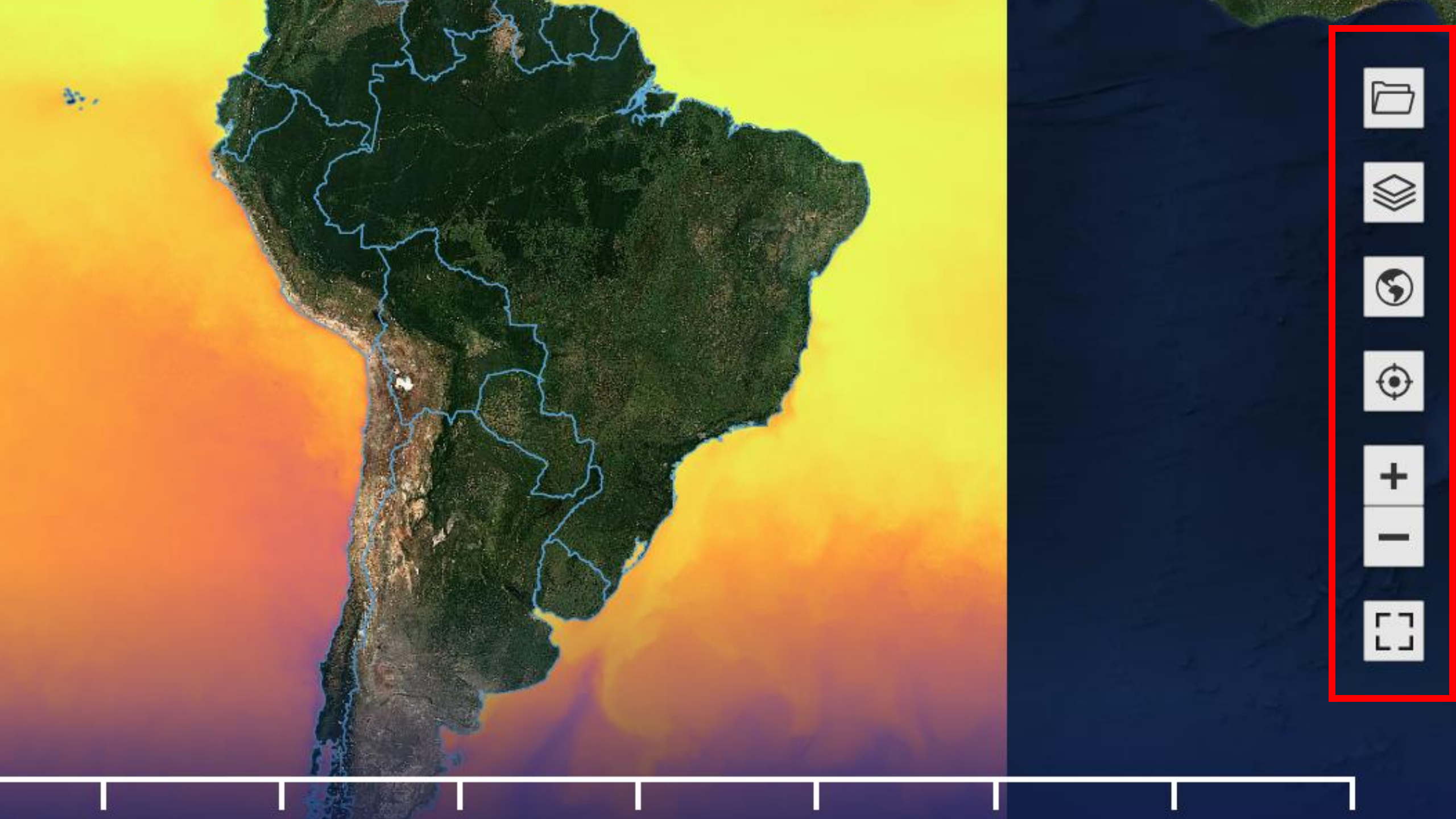
Sep 24

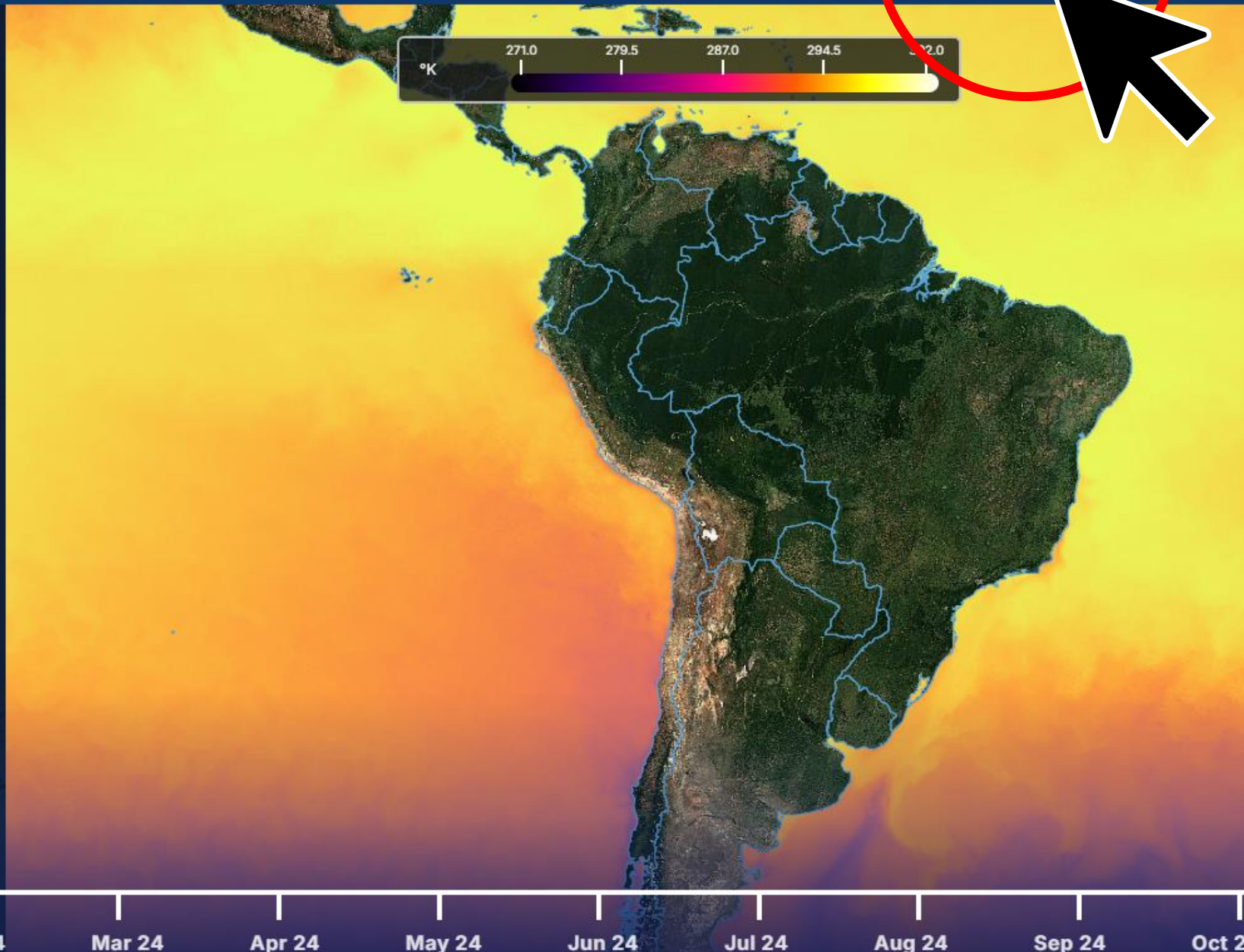
Oct 24

Nov 24

Dec 24

1000 km





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Email address

Password

[Recover / verify your account](#)

or

[Sign up](#)

Email address

myname@domain.com

Password

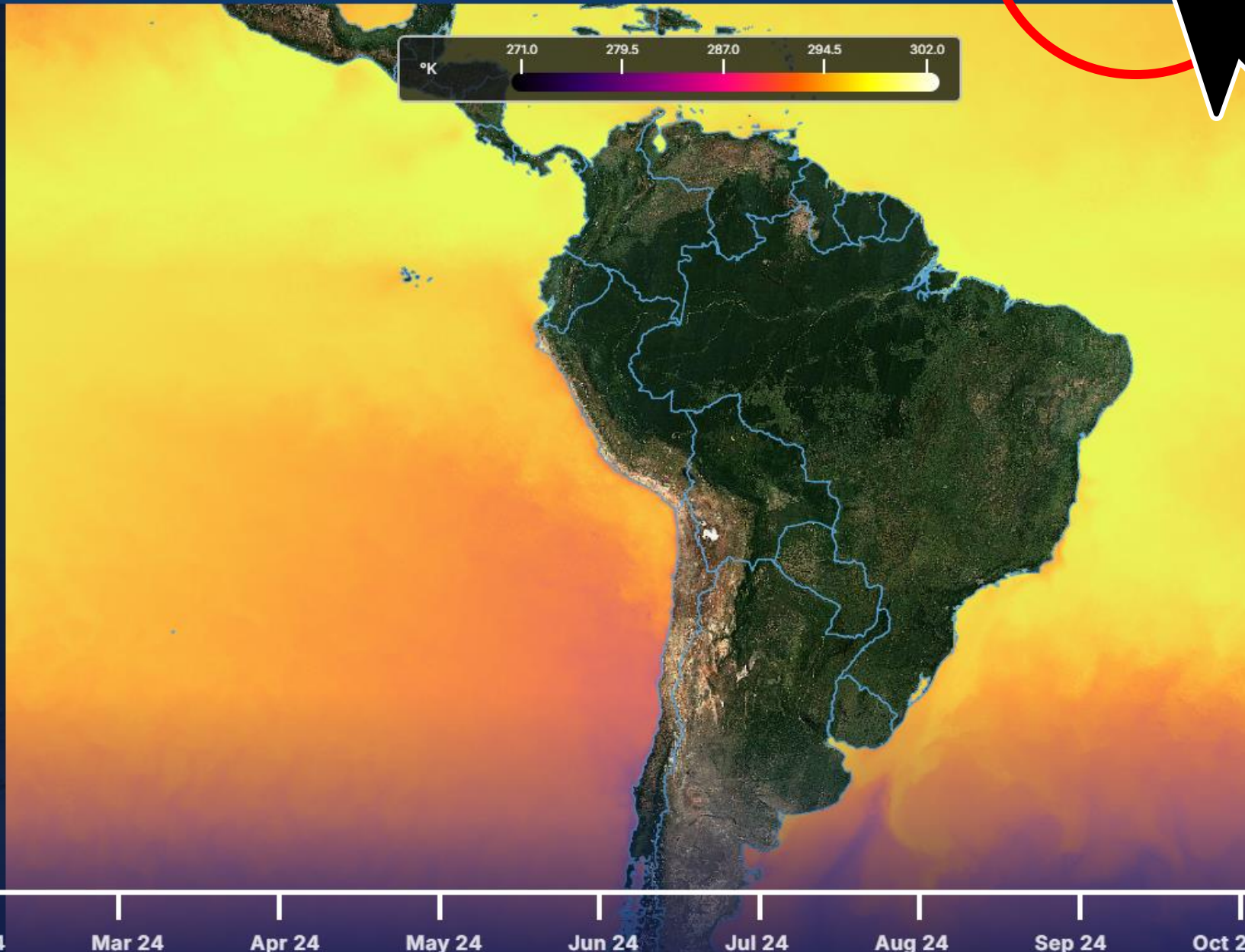
[Recover / verify your account](#)

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Sign In





1000 km

User registration

Fill in the required information to gain access and download images from CopernicusLAC Chile.

Email address

Email address



First name

First name

Last name

Last name

Gender

Gender



Year of birth

Country or territory

Country or territory



Language of preference

English



Occupation

Occupation



In which type of organisation you work in?

In which type of organisation you work in?



What is the name of the organization you work in?

What is the name of the organization you work in?

In which area of application will you use the Copernicus services and data?

In which area of application will you use the Copernicus



In which economic sector will you use the Copernicus services and data?

In which economic sector will you use the Copernicus se



How did you hear about our services?

How did you hear about our services?



Password

Password



Retype password

Password



It must be at least 8 characters long

☐ I accept the [Terms and conditions](#)

Sign Up

or territory

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How did you hear about our services?

How did you hear about our services?

Password



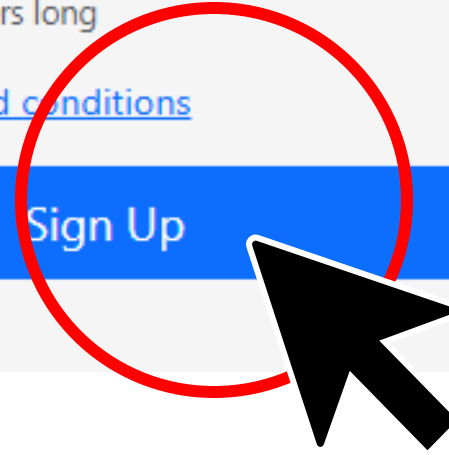
Retype password



It must be at least 8 characters long

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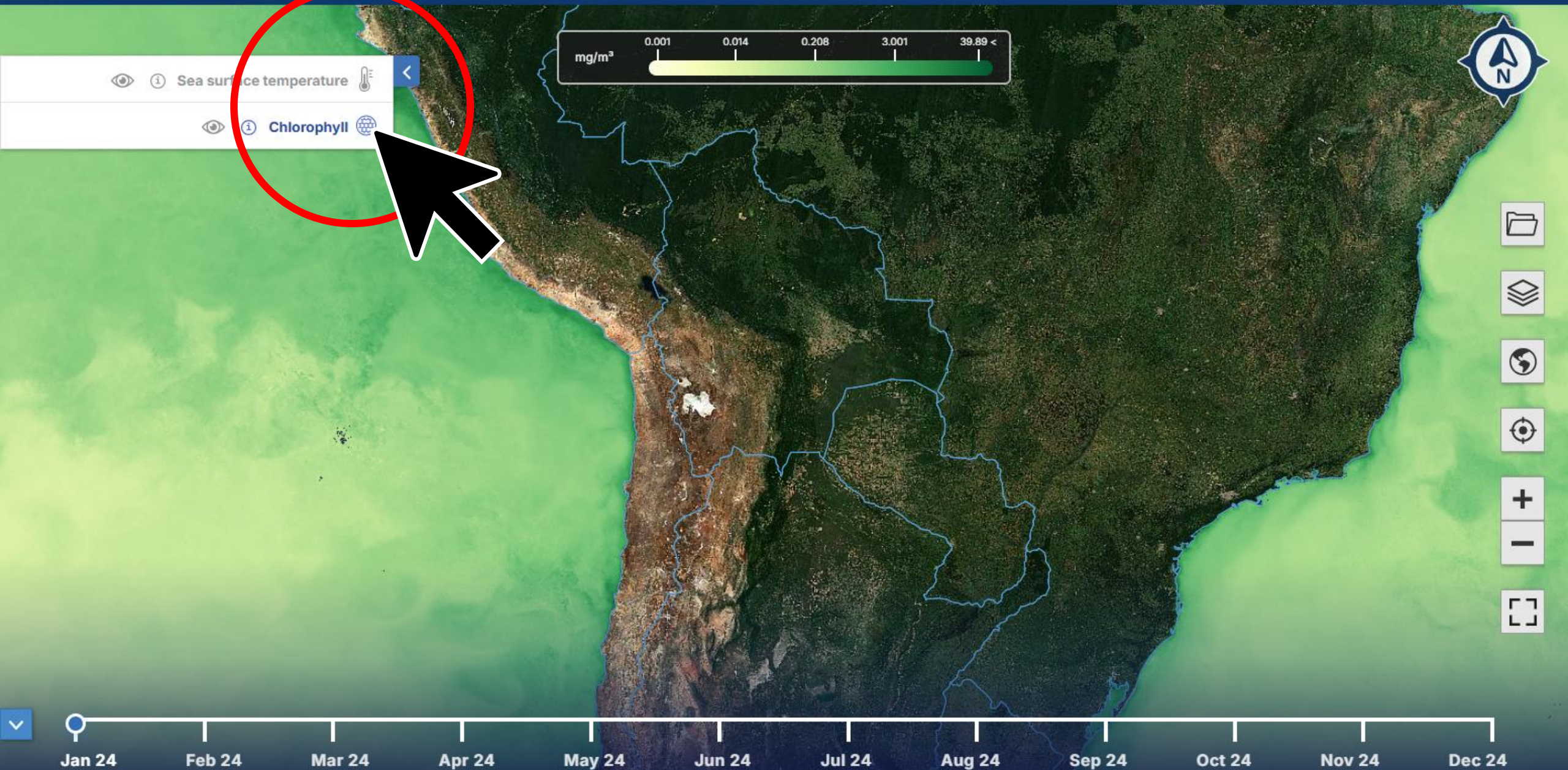
Sign Up

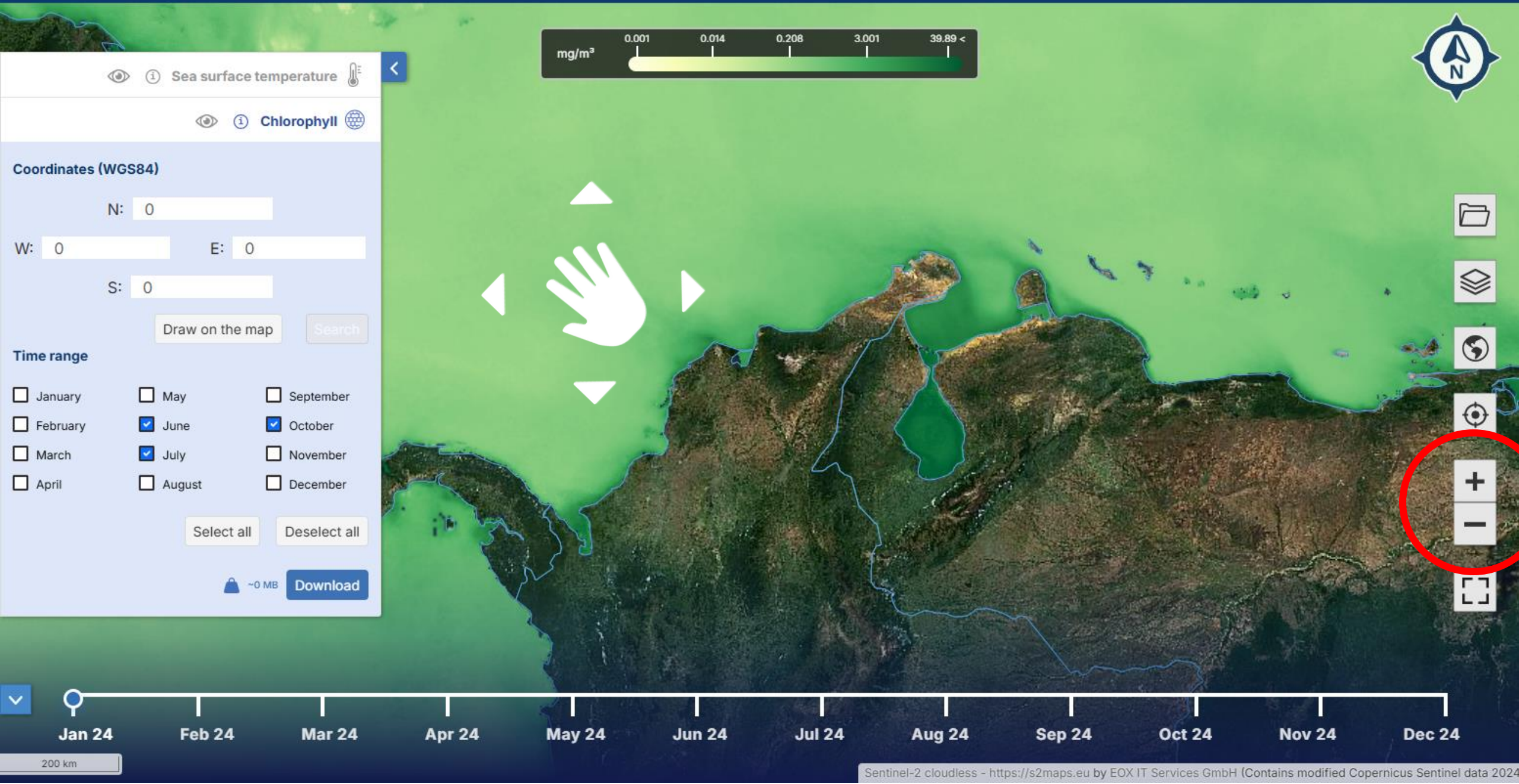


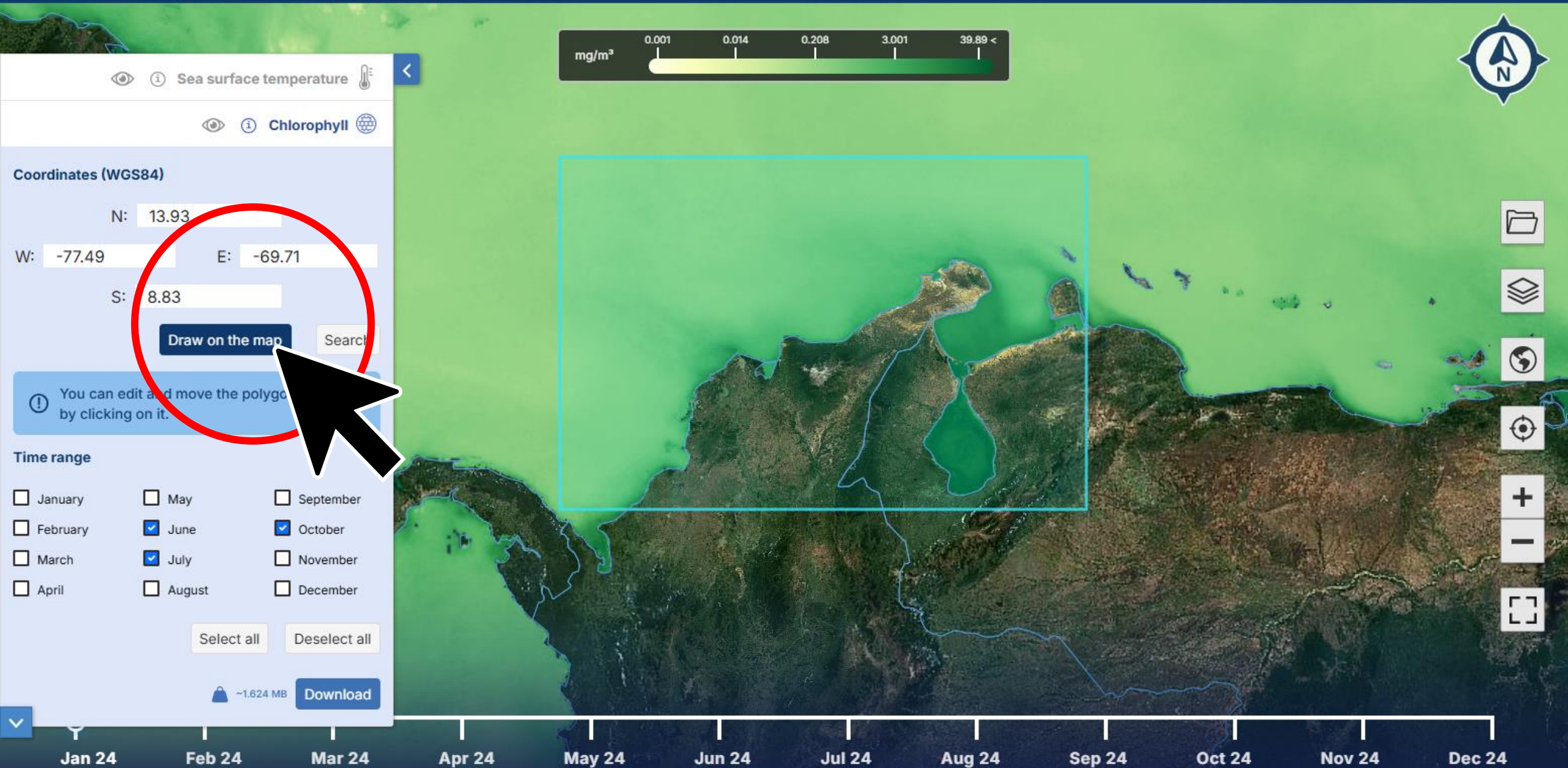


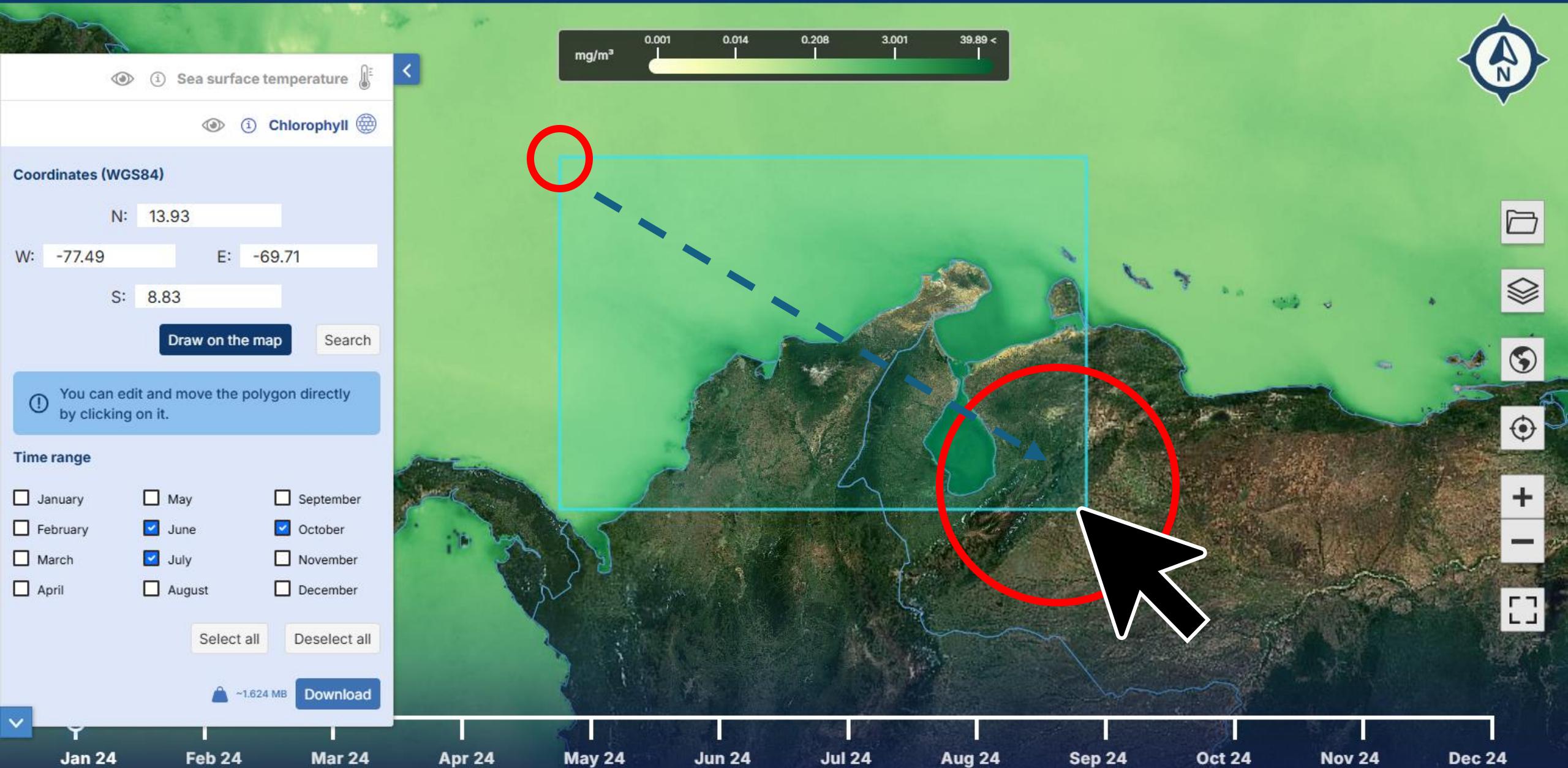
Please verify your email address.

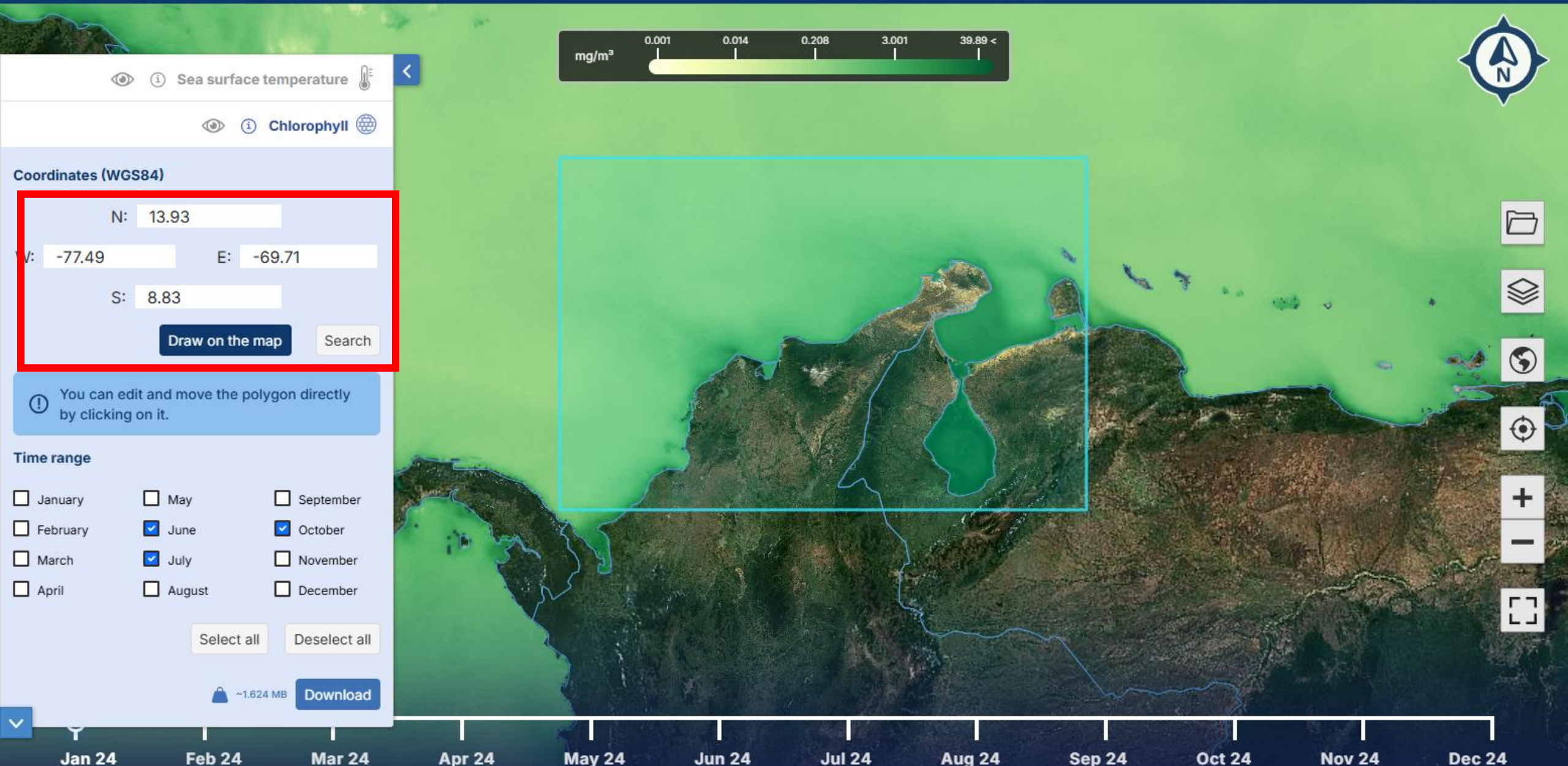
Using the code or link sent to your email

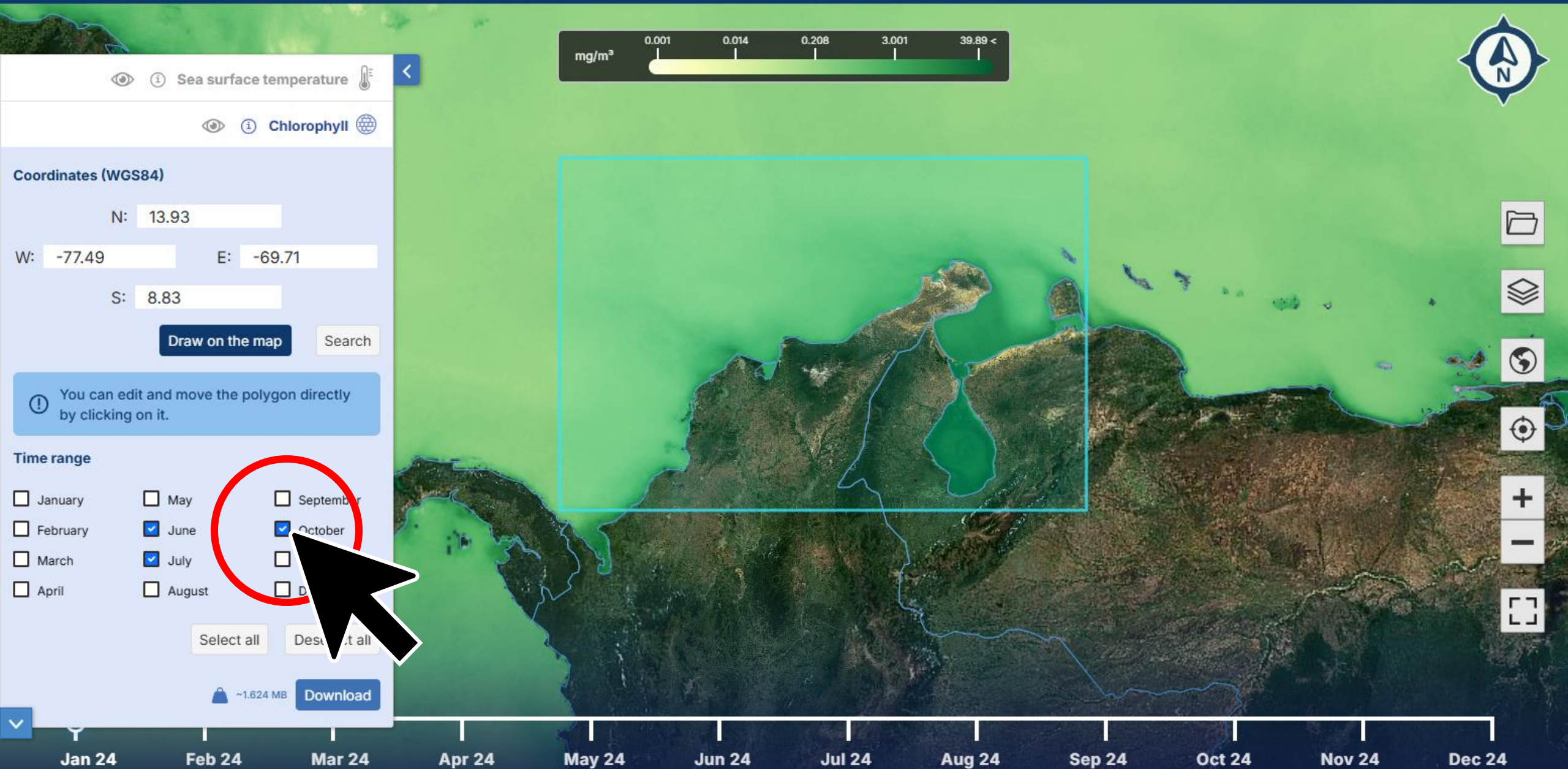












mg/m³

0.001

0.014

0.208

3.001

39.89 <



Preview

Close X



Chlorophyll

501.730,47 km² | EPSG:3857 WGS84

nc ▾

- June 2024
- July 2024
- October 2024

~1.624 MB

Download

~1.624 MB

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Jan 24

Feb 24

Mar 24

Apr 24

May 24

Jun 24

Jul 24

Aug 24

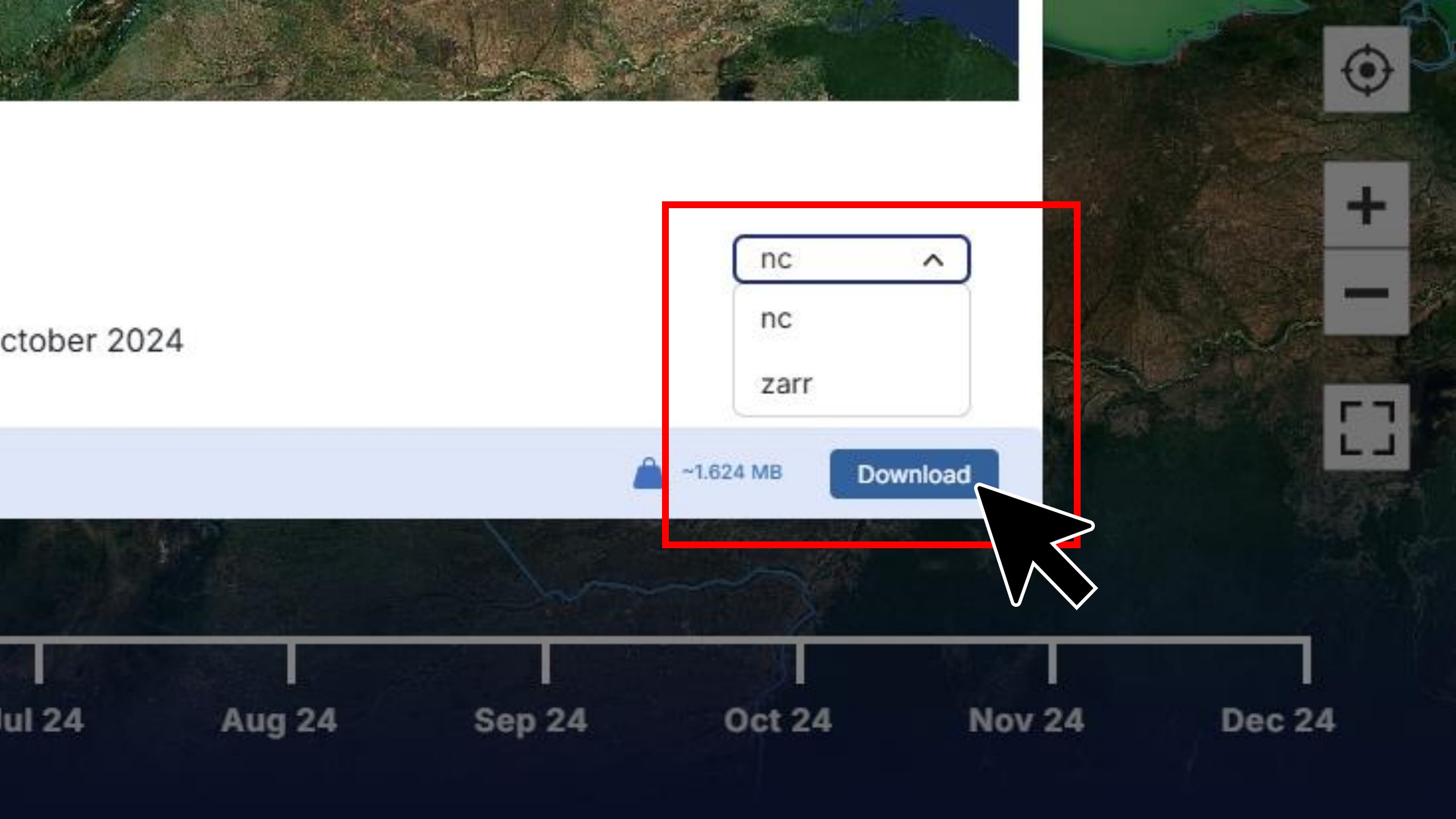
Sep 24

Oct 24

Nov 24

Dec 24

200 km



October 2024

nc



nc

zarr



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Jul 24

Aug 24

Sep 24

Oct 24

Nov 24

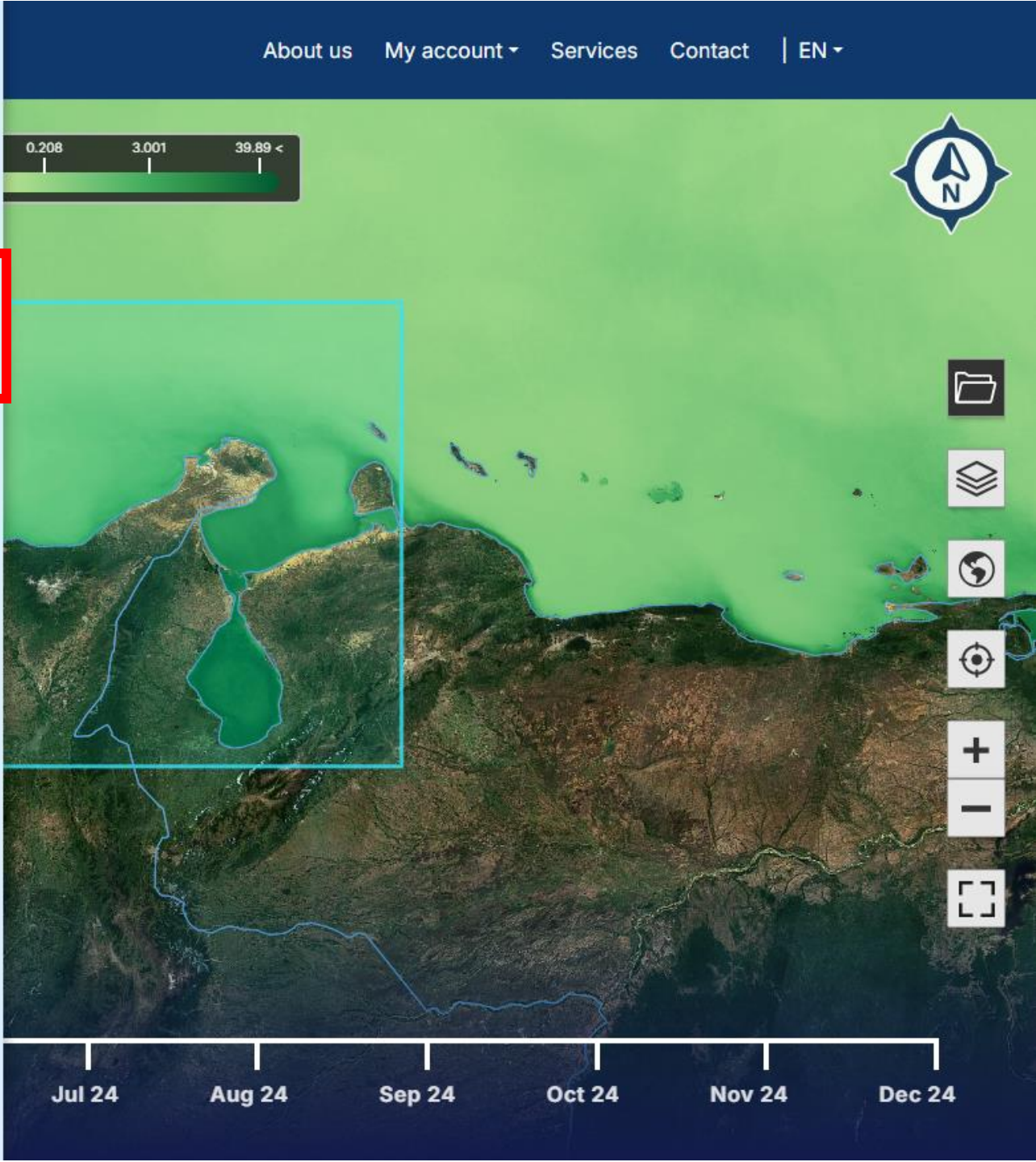
Dec 24

Download history

Cerrar X

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02	28-05-2026	-18.95° , -17.41°	-71.99° , -69.83°	CHL	03-2024	Completed
03	28-05-2026	-18.95° , -17.41°	-71.99° , -69.83°	CHL	03-2024	Completed
04	28-05-2026	-18.95° , -17.41°	-71.99° , -69.83°	SST	03-2024	Completed
05	28-05-2026	-18.95° , -17.41°	-71.99° , -69.83°	SST	03-2024	Completed
06	13-05-2026	-15.02° , -14.74°	-75.88° , -75.38°	CHL	11-2024	Completed
07	13-05-2026	-15.02° , -14.74°	-75.88° , -75.38°	SST	11-2024	Completed

< Pages 1 / 1 >



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Cerrar X

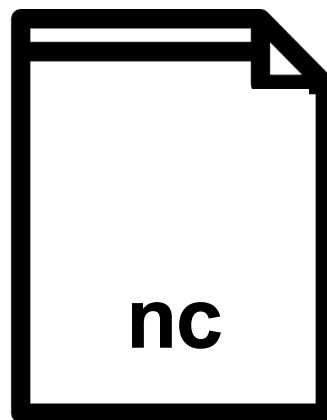
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02	28-05-2026	-18.95° , -17.41°	-71.99° , -69.83°	CHL	03-2024	Completed
03	28-05-2026	-18.95° , -17.41°	-71.99° , -69.83°	CHL	03-2024	Completed
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06	13-05-2026	-15.02° , -14.74°	-75.88° , -75.38°	CHL	11-2024	Completed
07	13-05-2026	-15.02° , -14.74°	-75.88° , -75.38°	SST	11-2024	Completed

< Pages 1 / 1 >

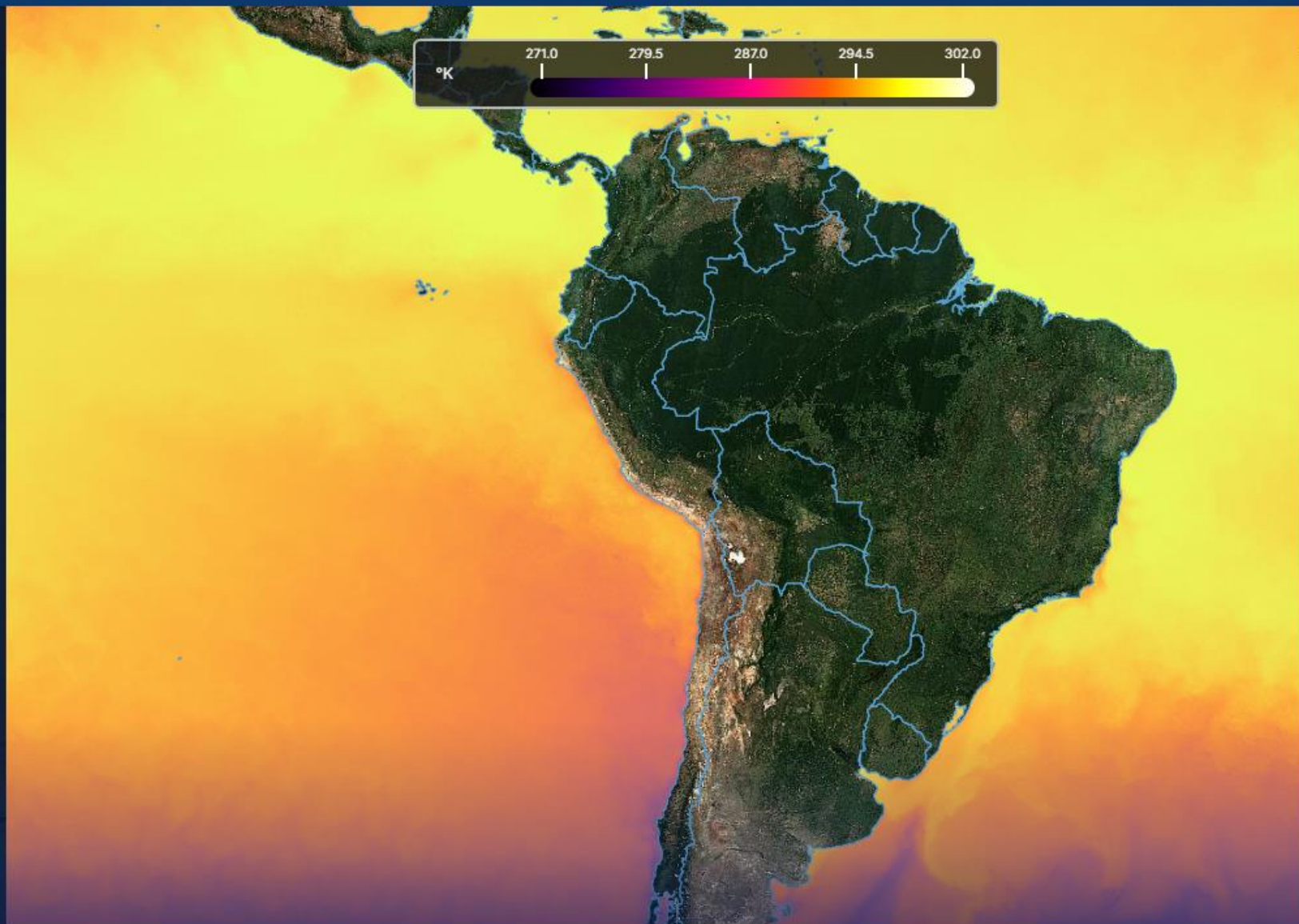




NetCDF



file.nc



Jan 24

Feb 24

Mar 24

Apr 24

May 24

Jun 24

Jul 24

Aug 24

Sep 24

Oct 24

Nov 24

Dec 24

1000 km