

***Intra-ACP Climate Service and related applications  
(ClimSA)***

**Climate Station**

**Data Provider credential creation**

**Version 1.4.0**

***August 2025***

Abstract / Résumé
This document lists all the products available on Climate Station (or C-Station)

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1.2.1	Initial Release	February 2024
1.3.0	Copernicus Global land credentials removal	June 2024
1.3.1	New CDS and ADS credentials	September 2024
1.3.2	CDS and ADS redirection to new website	March 2025
1.4.0	New data provider credentials	August 2025

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## ACRONYMS and DEFINITIONS

ADS	Atmospheric Data Store
CDS	Climate Data Store
CLMS	Copernicus Land Monitoring Service
CS	Climate Station/ ClimSA Station
USGS	United States Geological Survey
LANCE	Land, Atmosphere Near-real-time Capability for EOS
HTTPS	Hypertext Transfer Protocol Secure
API	Application Programming Interface
MODIS	Moderate Resolution Imaging Spectroradiometer
MODAPS	MODIS Adaptive Processing System
FIRMS	Fire Information for Resource Management System
JRC	Joint Research Centre
GIS	Geographical Information System

## INTRODUCTION

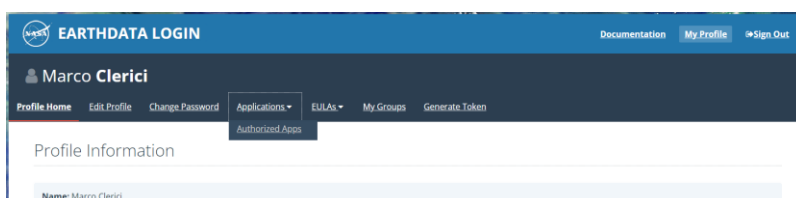
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This document explains the procedure to create the credentials in the data provider website and approve the terms & condition then use those credentials either username/password or API key in the ClimSA station.

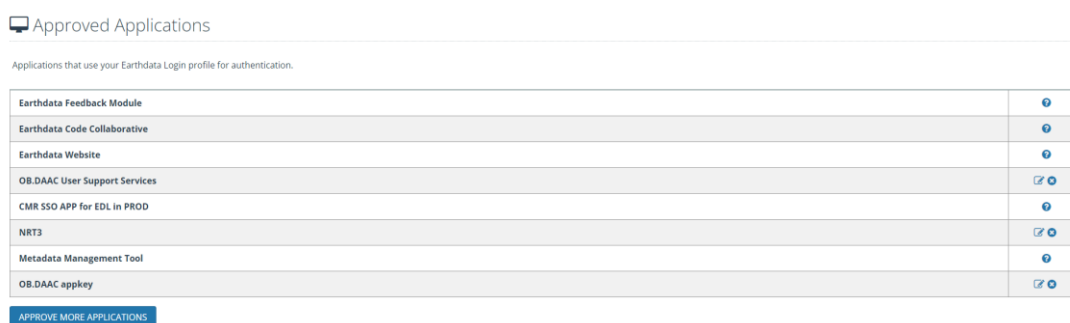
## 1. PROCEDURE TO CREATE CREDENTIALS

### 1.1 NASA EARTH DATA

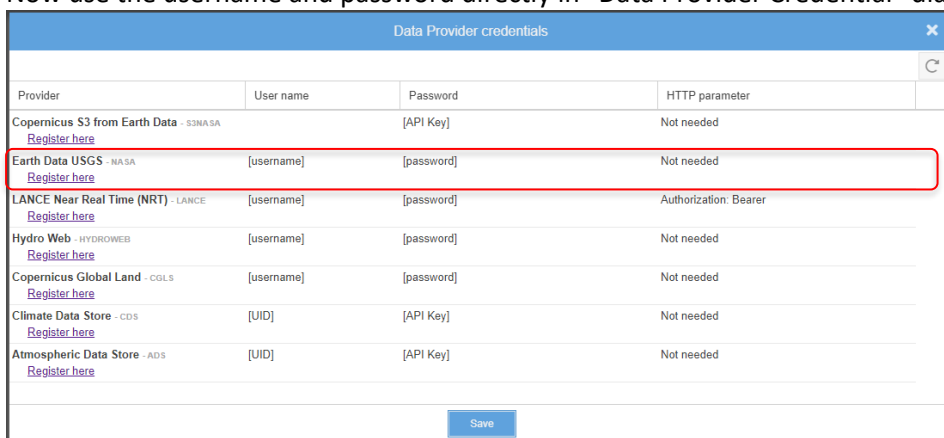
- Go to the NASA Earth Data website <https://urs.earthdata.nasa.gov/users/new> and fill the registration form ([More details](#)). Please also check “Yes, I'm interested in Meris and ESA Sentinel-3 Data.”
- After registering and login, go to your profile <https://urs.earthdata.nasa.gov/profile> and select “Applications” → Authorized Apps



- Check if you credentials are authorized with the following Apps

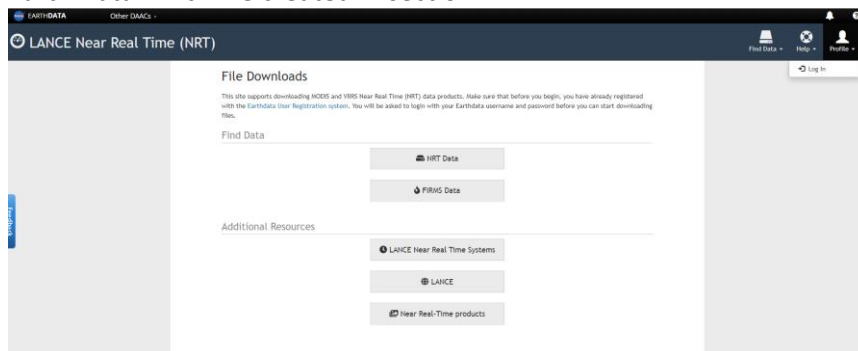


- If something is not present in your credentials, then click on “Approve More Application” and approve the same.
- Now use the username and password directly in “Data Provider Credential” dialog box

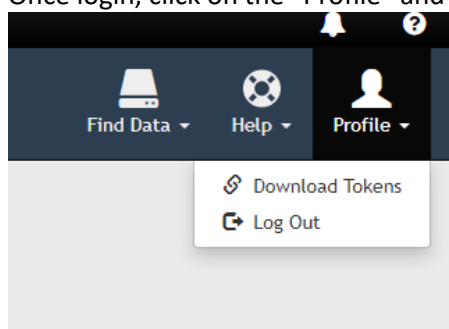


### 1.1.1 LANCE Near Real Time(NRT) Credentials using Username, password & Token

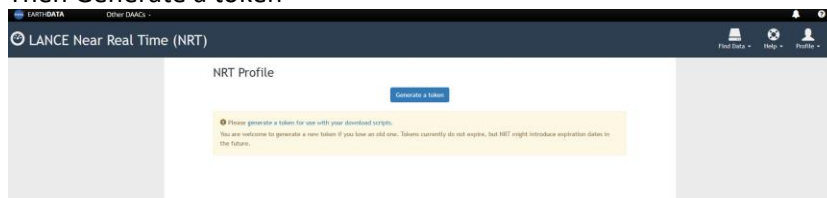
- Go to <https://nrt3.modaps.eosdis.nasa.gov/> and Login. It uses the same credentials as Earth Data which we created in section 2.2



- Once login, click on the “Profile” and select “Download Tokens”



- Then Generate a token



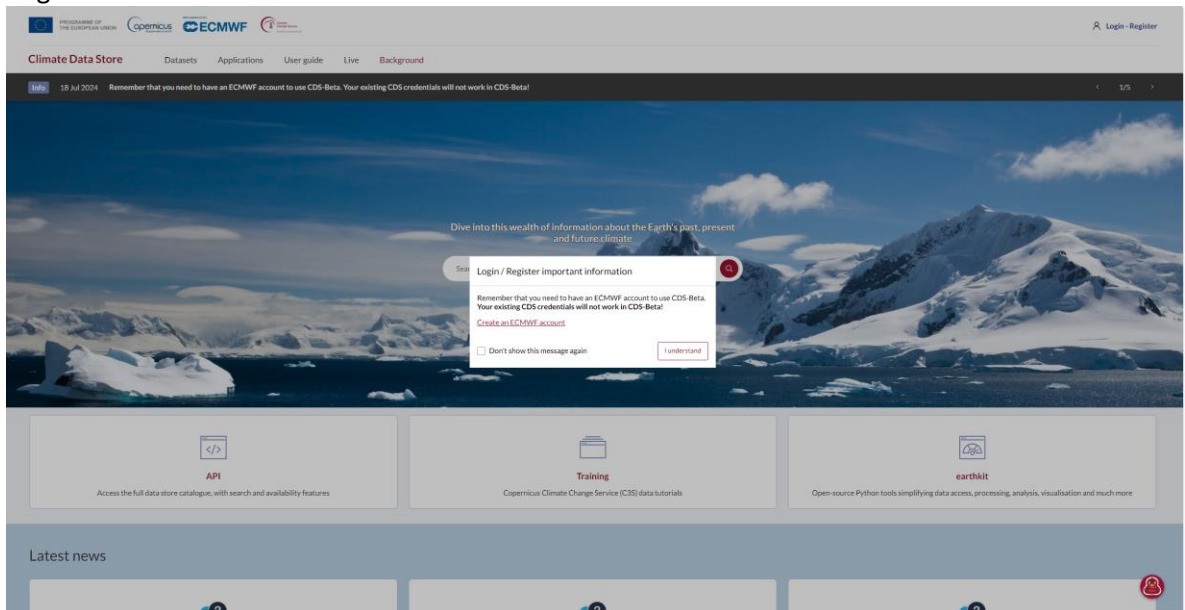
- Once generated then copy the credentials to “Data Provider Credential” dialog box under portfolio of ClimSA station.
- Enter username and password created from section 2.2. Also make sure to copy the token to “HTTP parameter” like Authorization: Bearer <token>
- Important Note: The generated token has the expiry date, so keep track to regenerate and update it**

Data Provider credentials			
Provider	User name	Password	HTTP parameter
Copernicus S3 from Earth Data - S3NASA <a href="#">Register here</a>		[API Key]	Not needed
Earth Data USGS - NASA <a href="#">Register here</a>	[username]	[password]	Not needed
LANCE Near Real Time (NRT) - LANCE <a href="#">Register here</a>	[username]	[password]	Authorization: Bearer
Hydro Web - HYDROWEB <a href="#">Register here</a>	[username]	[password]	Not needed
Copernicus Global Land - CGLS <a href="#">Register here</a>	[username]	[password]	Not needed
Climate Data Store - CDS <a href="#">Register here</a>	[UID]	[API Key]	Not needed
Atmospheric Data Store - ADS <a href="#">Register here</a>	[UID]	[API Key]	Not needed

Save

## 1.2 COPERNICUS CLIMATE CHANGE SERVICE - CLIMATE DATA STORE

- Open the new CDS-Beta website <https://cds.climate.copernicus.eu/> Click on the “Login-Register”








- The old CDS credentials will not work in CDS-Beta! Therefore, you have to create an ECMWF account by clicking on “Create an ECMWF account” or “Understand” so that you are redirected to ECMWF page where you can create a new account.

- Once account is created and logged in, go back to CDS-Beta website(Sometimes it is automatically redirected) you will notice you are already logged in to CDS-Beta and you will notice the popup to fill the Country, Affiliation, Thematic Activities, Sector.
- **Most important is to “Accept Terms & Conditions” and click on “Activate your profile”**




### Details

 Please, complete the form by entering all the mandatory fields

 Country	<input type="text" value="Country"/>
 Affiliation	<input type="text" value="Affiliation"/>
Organisation - Optional	<input type="text" value="Your organisation name"/>
 Thematic activities	<input type="text" value="Thematic activities"/>
 Activity sectors	<input type="text" value="Activity sectors"/>

### Accept Terms & Conditions

 You must accept the terms & conditions to activate your profile.

☐ [Data protection and privacy statement](#)

☐ [Terms of use of the CEMS Early Warning Data Store](#)

☐ [Terms of use of the Copernicus Climate Data Store](#)

Activate your profile

Continue Later

Please provide all mandatory information.

API key

Data download requests can be sent programmatically via [our API](#). However, an API key must be provided.

API key

To easily use your API key, you can configure it inside your `.cdsapirc` file:

```
url: https://cds.climate.copernicus.eu/api
key: 
```

**Terms of use**

[Additional licence to use non European contributions](#)  
You must accept the terms before submitting this request.

[Accept terms](#)

---

[Licence to use Copernicus Products](#)  
You must accept the terms before submitting this request.

[Accept terms](#)

---

## API request

Please go to the [documentation page](#) for information as to how to use the CDS API.

`</>` Show API request code

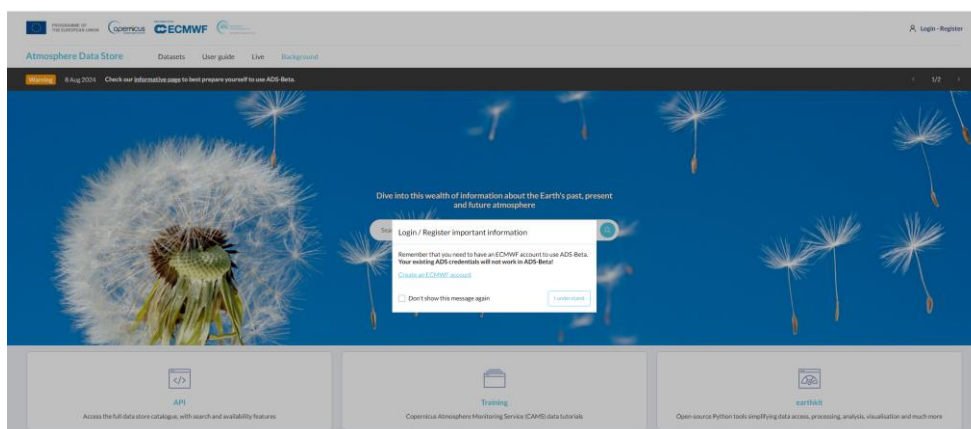
- After accepting the license, copy the credentials to “Data Provider Credential” dialog box under portfolio of ClimSA station.
- Copy the API key in the API key area and skip UID. Do not use your username or password

Data Provider credentials			
Provider	User name	Password	HTTP parameter
Copernicus S3 from Earth Data - S3NASA <a href="#">Register here</a>		[API Key]	Not needed
Earth Data USGS - NASA <a href="#">Register here</a>	[username]	[password]	Not needed
LANCE Near Real Time (NRT) - LANCE <a href="#">Register here</a>	[username]	[password]	Authorization: Bearer
Hydro Web - HYDROWEB <a href="#">Register here</a>	[username]	[password]	Not needed
Copernicus Global Land - CGLS <a href="#">Register here</a>	[username]	[password]	Not needed
Climate Data Store - CDS <a href="#">Register here</a>	[UID]	[API Key]	Not needed
Atmospheric Data Store - ADS <a href="#">Register here</a>	[UID]	[API Key]	Not needed

[Save](#)


### 1.3 COPERNICUS ATMOSPHERE MONITORING SERVICE – ATMOSPHERE DATA STORE


- Open the ADS website <https://ads.atmosphere.copernicus.eu/>
- Click on the “Login/Register” & Login to ECMWF account.



- Accept the general Terms & Conditions as in CDS

### Accept Terms & Conditions


 [Data protection and privacy statement](#)

 [Terms of use of the Copernicus Atmosphere Data Store](#)



Confirm

Continue Later

- Go to one dataset website [CAMS global reanalysis \(EAC4\) \(copernicus.eu\)](https://copernicus.eu) and verify if you accepted the license in bottom of the page.
- Click on your “Username” in the right top corner of the page
- In the User Profile page scroll down to check for User ID and Personal Access Token


API key 

Data download requests can be sent programmatically via our [API](#). However, an API key must be provided.

API key .....  

To easily use your API key, you can configure it inside your `.cdsapirc` file:

```
url: https://ads.atmosphere.copernicus.eu/api
key: .....
```




- After accepting the license, copy the credentials to “Data Provider Credential” dialog box under portfolio of ClimSA station.
- Copy the API key in the API key area and skip UID. Do not use your username or password

Data Provider credentials			
Provider	User name	Password	HTTP parameter
Copernicus S3 from Earth Data - S3NASA <a href="#">Register here</a>		[API Key]	Not needed
Earth Data USGS - NASA <a href="#">Register here</a>	[username]	[password]	Not needed
LANCE Near Real Time (NRT) - LANCE <a href="#">Register here</a>	[username]	[password]	Authorization: Bearer
Hydro Web - HYDROWEB <a href="#">Register here</a>	[username]	[password]	Not needed
Copernicus Global Land - CGLS <a href="#">Register here</a>	[username]	[password]	Not needed
Climate Data Store - CDS <a href="#">Register here</a>	[UID]	[API Key]	Not needed
Atmospheric Data Store - ADS <a href="#">Register here</a>	[UID]	[API Key]	Not needed

[Save](#)

#### 1.4 COPERNICUS DATA SPACE ECOSYSTEM

- Open CDSE website and click on register if you don't have the credentials  
<https://identity.dataspace.copernicus.eu/auth/realms/CDSE/account/#/personal-info>


**CDSE**  
COPERNICUS DATA SPACE ECOSYSTEM

[SUPPORT](#)
[HOME](#)

[Home](#)

## Sign in to your account

Welcome to the Copernicus Data Space Ecosystem! Login to your personal dashboard to easily access a wide variety of Earth observation resources. Don't have an account yet? Register now to easily create a new account in just a few minutes.

### Login to access your account

Email

Password

[Forgot Password?](#)

[LOGIN](#)

### Register and create an account for free in 60 seconds

- ✓ Access a variety of Earth observation data
- ✓ Manage your personal settings
- ✓ Follow your credits and orders

[REGISTER](#)

- Fill the information needed to register

### Register form

\* Required fields

First name \*

eStation

Last name \*

eStation

Email \*

cs.climsa@gmail.com

Password \*

\*\*\*\*\*

Confirm password \*

\*\*\*\*\*

Country \*

Italy

Type of user (you are/your organisation is ?) \*

Research & education organisation

Thematic activity

Climate Change

Purpose of use

Research

☒ Accept [terms and conditions](#) and [privacy policy](#)

- Make sure you also select the User Category as Copernicus services and Project Name as CLMS.

☒ Accept [terms and conditions](#) and [privacy policy](#)

☒ Give the permission to contact you at the email address provided during the registration for the purpose of possible user surveys

☒ I am also interested in accessing Copernicus Contributing Missions data  
 The approval of your registration request depends on adherence to the [ESA-User license for the use of CCM data](#) Acceptance of the Copernicus Contributing Mission Data Access license framework does not imply the granting of access rights to all data collections. Licenses pertaining to individual collections shall apply only to the extent that ESA has expressly granted the User access rights with respect to the specific collections in question. Registration under the Public user category is automatically approved.  
 More information on user categories can be found at [Copernicus Contributing Missions User Categories](#)

User Category \*

Copernicus\_Services

Company/Institution \*

Joint Research Centre

Copernicus Service Project Name \*

CLMS

☒ Accept [ESA-User license for the use of CCM data](#) and [CCM Data Access Restrictions](#)

☒ Subscribe to the CDSE monthly mailing to receive the latest updates in your mailbox

[← Back to Login](#)

REGISTER




- Go to your email and verify the registration by click on the link provided in the email.

- Copy the **email id** and **password** to “Data Provider Credential” dialog box in Copernicus Data Space Ecosystem row under portfolio of ClimSA station.

Data Provider credentials			
Please read carefully the instructions for each provider in the Data Provider Registration Manual, which you can find under the Help page			
Provider	User name	Password	HTTP parameter
Copernicus S3 from Earth Data - S3NASA <a href="#">Register here</a>		[API Key]	Not needed
Earth Data USGS - NASA <a href="#">Register here</a>	[username]	[password]	Not needed
LANCE Near Real Time (NRT) - LANCE <a href="#">Register here</a>	[username]	[password]	Authorization: Bearer
Copernicus Marine Data Store - CMEMS <a href="#">Register here</a>	[username]	[password]	Not needed
<b>Copernicus Data Space Ecosystem - CDSE <a href="#">Register here</a></b>	<b>[Email]</b>	<b>[password]</b>	<b>Not needed</b>
Climate Data Store - CDS <a href="#">Register here</a>	[UID]	[API Key]	Not needed
Atmospheric Data Store - ADS <a href="#">Register here</a>	[UID]	[API Key]	Not needed
<a href="#">Save</a>			

## 1.5 COPERNICUS MARINE DATA STORE

- Open Copernicus Marine service register website <https://data.marine.copernicus.eu/register> and fill the details to register

[Services](#)
[Opportunities](#)
[Access Data](#)
[Use Cases](#)

# Register

[Home](#) > [Register](#)

**You must be a registered user in order to download the data made available on this website.**

**Please fill in all fields.**

First name  Last name

Email

Country

Type of organisation

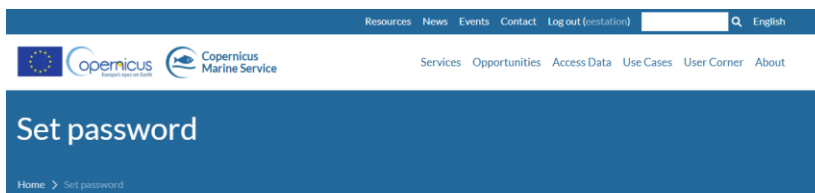
Blue markets

☐ I accept the terms and conditions  
☐ I accept the privacy policy  
☐ I wish to subscribe to the Copernicus Marine Newsletter (optional)

[Register](#) or [Log in](#)

[Any questions? Send us a note through the chat!](#)

- You will receive an email to set the password

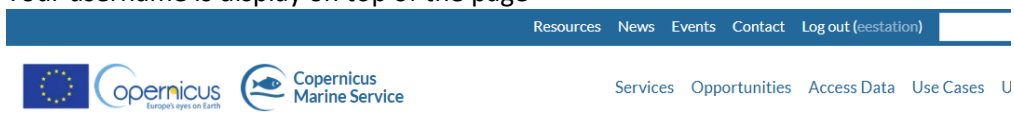


**You're now logged in**

The new password has been set correctly and you're now logged in.

You can go back to your original tab and continue where you left off.

- Your username is display on top of the page



- Copy the **username** and **password** to “Data Provider Credential” dialog box in Copernicus Marine Data Store row under portfolio of ClimSA station.

Data Provider credentials			
Please read carefully the instructions for each provider in the Data Provider Registration Manual, which you can find under the Help page! <a href="#">Go to Help page</a>			
Provider	User name	Password	HTTP parameter
Copernicus S3 from Earth Data - S3NASA <a href="#">Register here</a>		[API Key]	Not needed
Earth Data USGS - NASA <a href="#">Register here</a>	[username]	[password]	Not needed
LANCE Near Real Time (NRT) - LANCE <a href="#">Register here</a>	[username]	[password]	Authorization: Bearer
Copernicus Marine Data Store - CMEMS <a href="#">Register here</a>	[username]	[password]	Not needed
Copernicus Data Space Ecosystem - CDSE <a href="#">Register here</a>	[Email]	[password]	Not needed
Climate Data Store - CDS <a href="#">Register here</a>	[UID]	[API Key]	Not needed
Atmospheric Data Store - ADS <a href="#">Register here</a>	[UID]	[API Key]	Not needed
<a href="#">Save</a>			

## 2. DATA PROVIDER

This section describes the list of data provider

### 2.1 DATA PROVIDERS WITH CREDENTIALS

Product/ Version	Data Source ID	DataProvider / URL	Username:Password
modis- chla/v2013.1	GSFC:CGI:MODIS :CHLA:1D	<b>Earthdata USGS</b> <a href="https://earthdata.nasa.gov/user/register">Earthdata Login User Registration (nasa.gov)</a> <a href="https://oceandata.sci.gsfc.nasa.gov/">https://oceandata.sci.gsfc.nasa.gov/</a>	Need Credentials
modis- kd490/v2012.0	GSFC:CGI:MODIS :KD490:1D		
modis- par/v2012.0	GSFC:CGI:MODIS :PAR:1D		
modis- sst/v2013.1	GSFC:CGI:MODIS :SST:1D:NEW		
olci- wrr/V02.0	CMEMS_API_S3A B_CHLA_GRADI ENT_NRT	<b>Copernicus Marine Data Store</b> <a href="https://data.marine.copernicus.eu/">https://data.marine.copernicus.eu/</a>	Need Credentials
modis- firms/v6.1	MODAPS:EOSDIS :FIRMS:C61:NAS A:HTTP	<b>LANCE Near Real Time(NRT)</b> <a href="https://nrt3.modaps.eosdis.nasa.gov/">https://nrt3.modaps.eosdis.nasa.gov/</a>	Need Credentials
CDS API		<b>Climate Data Store</b> <a href="https://cds.climate.copernicus.eu/">https://cds.climate.copernicus.eu/</a>	Need credentials
ADS API		<b>Atmospheric Data Store</b> <a href="https://ads.atmosphere.copernicus.eu/">https://ads.atmosphere.copernicus.eu/</a>	Need credentials
vgt- dmp/olci- v1.0	CDSE_ODATA_C LMS_OLCI- V1.0_DMP	<b>Copernicus Data Space Ecosystem</b> <a href="https://dataspace.copernicus.eu/">https://dataspace.copernicus.eu/</a>	Need credentials
vgt-lai/olci- v1.0	CDSE_ODATA_C LMS_OLCI- V1.0_LAI		
vgt-ndvi/ olci-v2.0	CDSE_ODATA_C LMS_OLCI- V2.0_NDVI		
vgt-fapar/ olci-v1.0	CDSE_ODATA_C LMS_OLCI- V1.0_FAPAR		
vgt-fcover/ olci-v1.0	CDSE_ODATA_C LMS_OLCI- V1.0_FCOVER		
ascats- swi/V3.1	CDSE_ODATA_C LMS_METOP_AS CAT-V4_SWI		



## 2.2 DATA PROVIDERS WITHOUT CREDENTIALS

Product/ Version	Data Source ID	URL	Username:Password
arc2-rain/2.0	CPC:NOAA:RAIN: ARC2	<a href="https://ftp.cpc.ncep.noaa.gov/fews/fewsddata/africa/arc2/geotiff/">https://ftp.cpc.ncep.noaa.gov/fews/fewsddata/africa/arc2/geotiff/</a>	Not needed
gdo-rdri gdo-sm gdo-tws		<a href="https://estation.jrc.ec.europa.eu/eStation2/datamanagement/getproductarchive?">https://estation.jrc.ec.europa.eu/eStation2/datamanagement/getproductarchive?</a>	Not needed
chirps-rfe/2.0	UCSB:CHIRPS:DE KAD:2.0:HTTP	<a href="https://data.chc.ucsb.edu/products/CHIRPS-2.0/global_dekad/tifs/">https://data.chc.ucsb.edu/products/CHIRPS-2.0/global_dekad/tifs/</a>	Not needed
chirps-rfe/2.0	UCSB:CHIRPS:PR EL:DEKAD:HTTP		
cpc-sm/1.0	CPC:NCEP:NOAA :SM	<a href="ftp://ftp.cpc.ncep.noaa.gov/wd51yf/global_monthly/gri_ded_binary/current_month/">ftp://ftp.cpc.ncep.noaa.gov/wd51yf/global_monthly/gri_ded_binary/current_month/</a>	Not needed
cdas-month- prcp	IRI:NOAA:PRCP: MONTH	<a href="http://iridl.ldeo.columbia.edu/">http://iridl.ldeo.columbia.edu/</a>	Not needed
fewsnetwork-rfe/2.0	USGS:EARLWRN: FEWSNET	<a href="https://edcintl.cr.usgs.gov/downloads/sciweb1/shared/fews/web/africa/dekad/rfe/dekadrainfall/downloads/dekad/">https://edcintl.cr.usgs.gov/downloads/sciweb1/shared/fews/web/africa/dekad/rfe/dekadrainfall/downloads/dekad/</a>	Not needed
rain-spi/V1.0	JRC:MARS:SPI:3 MON	<a href="https://agricultural-production-hotspots.ec.europa.eu/data/">https://agricultural-production-hotspots.ec.europa.eu/data/</a>	Not needed
rain-spi/V1.0	JRC:MARS:SPI:1 MON	<a href="https://agricultural-production-hotspots.ec.europa.eu/data/">https://agricultural-production-hotspots.ec.europa.eu/data/</a>	Not needed
tamsat-rfe/3.0	READINGS:TAMS AT:3.0:10D:NC	<a href="https://www.tamsat.org.uk/public_data/">https://www.tamsat.org.uk/public_data/</a>	Not needed
tamsat-rfe/3.1	READINGS:TAMS AT:3.1:10D:NC	<a href="https://www.tamsat.org.uk/public_data/">https://www.tamsat.org.uk/public_data/</a>	Not needed
ws-hp/V1.0	JRC:MARS:WSI:C ROP	<a href="https://agricultural-production-hotspots.ec.europa.eu/data/indicators_wsi/wsi_hp/">https://agricultural-production-hotspots.ec.europa.eu/data/indicators_wsi/wsi_hp/</a>	Not needed
ws-hp/V1.0	JRC:MARS:WSI:P ASTURE	<a href="https://agricultural-production-hotspots.ec.europa.eu/data/indicators_wsi/wsi_hp/">https://agricultural-production-hotspots.ec.europa.eu/data/indicators_wsi/wsi_hp/</a>	Not needed
Online eStation2		<a href="https://estation.jrc.ec.europa.eu/eStation2/datamanagement/getproductarchive">https://estation.jrc.ec.europa.eu/eStation2/datamanagement/getproductarchive</a>	Not needed

### 3. CREDENTIALS IN CLIMSA STATION

---

Please fill the credentials below and take a print out of it. Provide this print out to the administrator or in charge of the ClimSA station. In case of reinstallation, credentials saved in the DB will be lost, so that they can copy, paste the credentials back to “Data Provider Credential” dialog box under portfolio of ClimSA station.

Data Provider	Username	Password	HTTP Parameter
Earthdata USGS	<username>	<password>	Not needed
CMEMS	<username>	<password>	Not needed
LANCE Near Real Time (NRT)	<username>	<password>	Authorization: Bearer <Token>
Copernicus Global Land	<username>	<password>	Not needed
CDSE	<email>	<password>	Not needed
Climate Data Store	<UID>	<API Key>	Not needed
Atmospheric Data Store	<UID>	<API Key>	Not needed