



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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1.3.0	Copernicus Global land credentials removal	June 2024
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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

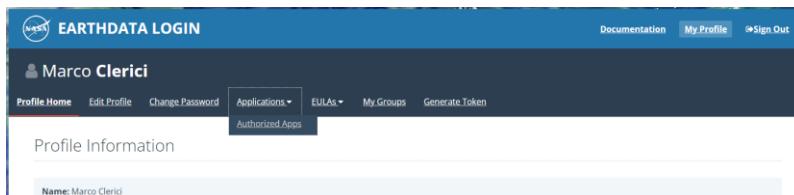
INTRODUCTION

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

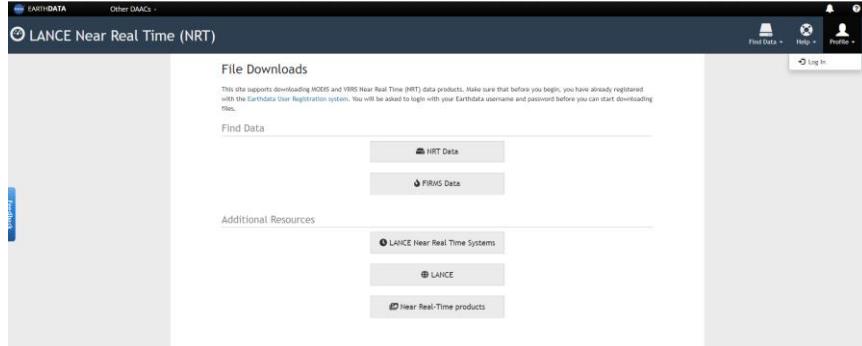
A screenshot of the 'Approved Applications' page. It shows a table of applications that use the user's Earthdata Login profile for authentication. The columns are 'Application Name' and 'Status'. Most applications have a status icon with a blue circle and a white checkmark. One application, 'OB.DAAC User Support Services', has a status icon with a blue circle and a white question mark. Another application, 'OB.DAAC appkey', also has a status icon with a blue circle and a white question mark. A blue button at the bottom left says 'APPROVE MORE APPLICATIONS'.

- 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

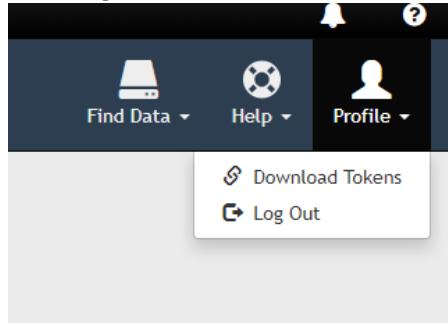
A screenshot of the 'Data Provider credentials' dialog box. It lists various data providers with their provider names, user names, passwords, and HTTP parameters. The 'Earth Data USGS - NASA' row is highlighted with a red box. The 'Save' button is at the bottom right.

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

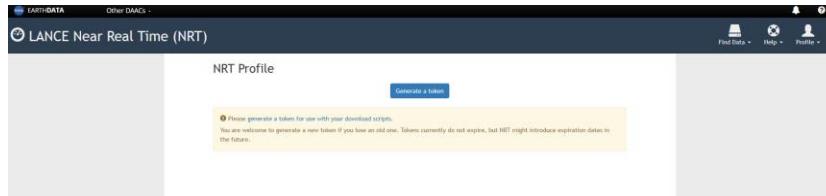
- Go to <https://nrt3.modaps.eosdis.nasa.gov/> and Login. It uses the same credentials as Earth Data which we created in section 2.2



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



- Then Generate a token



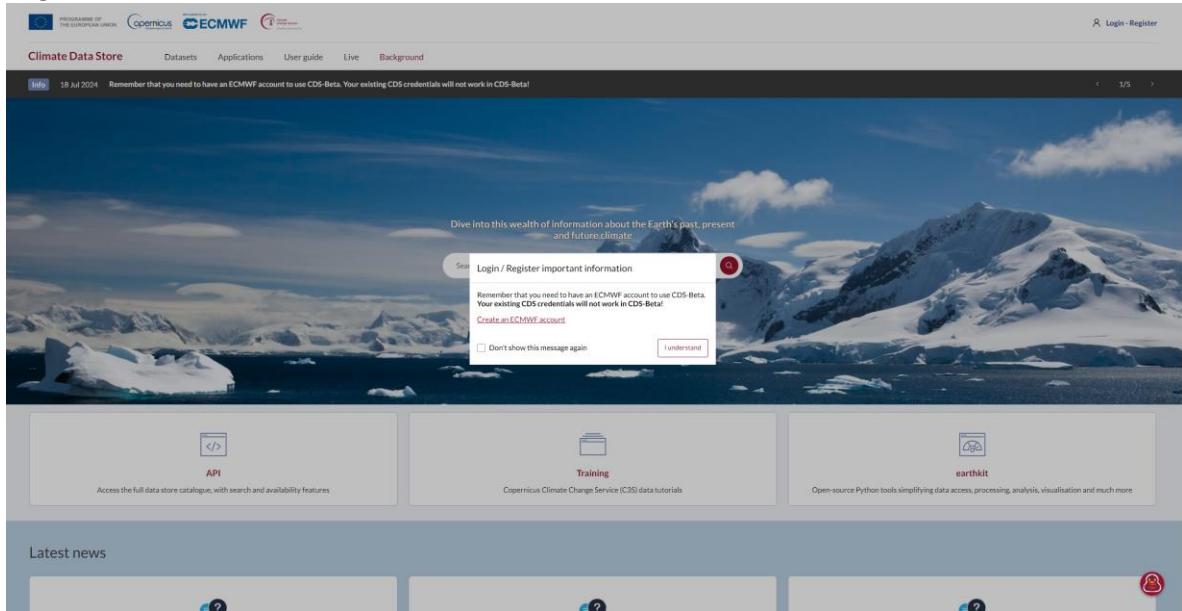
- Once generated then copy the credentials to “Data Provider Credential” dialog box under portfolio of ClimSA station.
- Enter username and password created from section 2.2. Also make sure to copy the token to “HTTP parameter” like Authorization: Bearer <token>
- Important Note: The generated token 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 Register here	[API Key]		Not needed
Earth Data USGS - NASA Register here	[username]	[password]	Not needed
LANCE Near Real Time (NRT) - LANCE Register here	[username]	[password]	Authorization: Bearer
Hydro Web - HYDROWEB Register here	[username]	[password]	Not needed
Copernicus Global Land - CGLS Register here	[username]	[password]	Not needed
Climate Data Store - CDS Register here	[UID]	[API Key]	Not needed
Atmospheric Data Store - ADS Register here	[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	Country
⚠ Affiliation	Affiliation
Organisation - Optional	Your organisation name
⚠ Thematic activities	Thematic activities
⚠ Activity sectors	Activity sectors

Accept Terms & Conditions

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

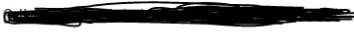
<input type="checkbox"/> Data protection and privacy statement
<input type="checkbox"/> Terms of use of the CEMS Early Warning Data Store
<input type="checkbox"/> Terms of use of the Copernicus Climate Data Store

[Activate your profile](#) [Continue Later](#)

Please provide all mandatory information.

- Click on your “Username” in the right top corner
- In the User Profile page scroll down to check for User ID and Personal Access Token

① **User ID:** When reaching out to ECMWF customer support, kindly include your User ID (distinct from your username) to ensure a more expedient service.

User ID	
---------	--

Personal Access Token
Data download requests can be sent programmatically via our API. However, a Personal Access Token must be provided.

Personal Access Token	
-----------------------	--

- UID is the username and Personal Access Token is the password which you have to input in the ClimSA station datasource
- Now go to the dataset website [Seasonal forecast monthly statistics on single levels \(copernicus.eu\)](#) and choose Download tab and scroll to the end
- You will notice “Terms of use” where you can accept the license to use Copernicus Products & Additional license to use non-European contributions.

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](#)

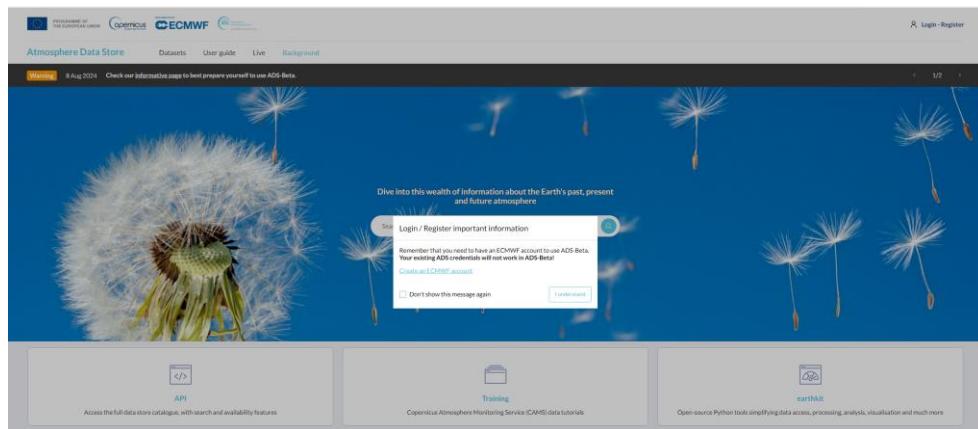
- After accepting the license, copy the credentials to “Data Provider Credential” dialog box under portfolio of ClimSA station.
- Copy the UID and Personal Access Token here, not your username or password

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

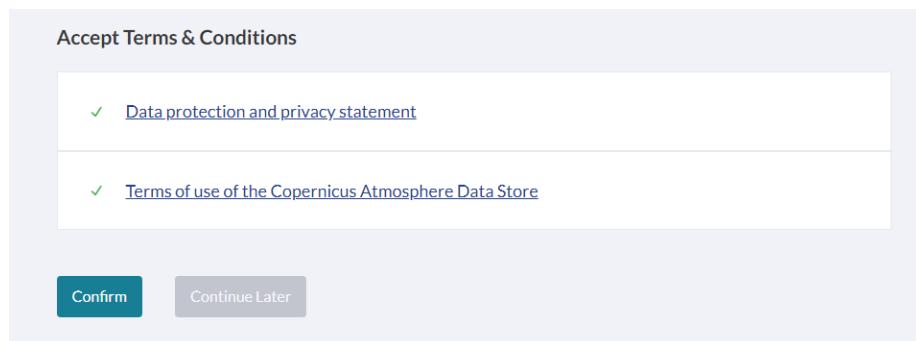
[Save](#)

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



- Go to one dataset website [CAMS global reanalysis \(EAC4\) \(copernicus.eu\)](https://cams-global-reanalysis.ecmwf.int/) 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

① User ID: When reaching out to ECMWF customer support, kindly include your User ID (distinct from your username) to ensure a more expedient service.

User ID [REDACTED]

Personal Access Token
Data download requests can be sent programmatically via our API. However, a Personal Access Token must be provided.

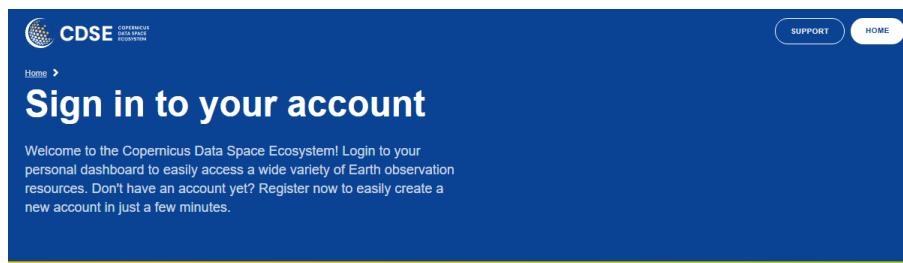
Personal Access Token [REDACTED]

- After accepting the license, copy the credentials to “Data Provider Credential” dialog box under portfolio of ClimSA station.
- Copy the UID and Personal Access Token here, not your username or password

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

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>



- 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.

Provider	User name	Password	HTTP parameter
Copernicus S3 from Earth Data - S3NASA Register here		[API Key]	Not needed
Earth Data USGS - NASA Register here	[username]	[password]	Not needed
LANCE Near Real Time (NRT) - LANCE Register here	[username]	[password]	Authorization: Bearer
Copernicus Marine Data Store - CMEMS Register here	[username]	[password]	Not needed
Copernicus Data Space Ecosystem - CDSE Register here	[Email]	[password]	Not needed
Climate Data Store - CDS Register here	[UID]	[API Key]	Not needed
Atmospheric Data Store - ADS Register here	[UID]	[API Key]	Not needed

[Save](#)

1.5 COPERNICUS MARINE DATA STORE

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

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

Please fill in all fields.

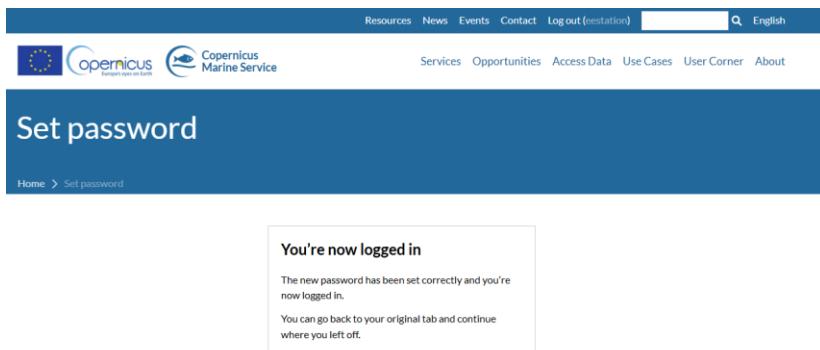
First name Last name
 Email
 Country
 Type of organisation
 Blue markets

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



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

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	Earthdata USGS Earthdata Login User Registration (nasa.gov) https://oceandata.sci.gsfc.nasa.gov/	Need Credentials
modis-kd490/v201 2.0	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	Copernicus Marine Data Store https://data.marine.copernicus.eu/	Need Credentials
modis-firms/v6.1	MODAPS:EOSDIS :FIRMS:C61:NAS A:HTTP	LANCE Near Real Time(NRT) https://nrt3.modaps.eosdis.nasa.gov/	Need Credentials
CDS API		Climate Data Store https://cds.climate.copernicus.eu/	Need credentials
ADS API		Atmospheric Data Store https://ads.atmosphere.copernicus.eu/	Need credentials
vgt-dmp/olci-v1.0	CDSE_ODATA_C LMS_OLCI-V1.0_DMP	Copernicus Data Space Ecosystem https://dataspace.copernicus.eu/	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		
ascat-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	https://ftp.cpc.ncep.noaa.gov/fews/fewsdata/africa/arc2/geotiff/	Not needed
gdo-rdri gdo-sm gdo-tws		https://estation.jrc.ec.europa.eu/eStation2/datamanagement/getproductarchive?	Not needed
chirps- rfe/2.0	UCSB:CHIRPS:DE KAD:2.0:HTTP	https://data.chc.ucsb.edu/products/CHIRPS-2.0/global_dekad/tifs/	Not needed
chirps- rfe/2.0	UCSB:CHIRPS:PR EL:DEKAD:HTTP		
cpc-sm/1.0	CPC:NCEP:NOAA :SM	ftp://ftp.cpc.ncep.noaa.gov/wd51yf/global_monthly/gri_dded_binary/current_month/	Not needed
cdas-month- prcp	IRI:NOAA:PRCP: MONTH	http://iridl.ldeo.columbia.edu/	Not needed
fewsnet- rfe/2.0	USGS:EARLWRN: FEWSNET	https://edcintl.cr.usgs.gov/downloads/sciweb1/shared/fews/web/africa/dekadal/rfe/dekadrainfall/downloads/dekadal/	Not needed
rain- spi/V1.0	JRC:MARS:SPI:3 MON	https://agricultural-production-hotspots.ec.europa.eu/data/	Not needed
rain- spi/V1.0	JRC:MARS:SPI:1 MON	https://agricultural-production-hotspots.ec.europa.eu/data/	Not needed
tamsat- rfe/3.0	READINGS:TAMS AT:3.0:10D:NC	https://www.tamsat.org.uk/public_data/	Not needed
tamsat- rfe/3.1	READINGS:TAMS AT:3.1:10D:NC	https://www.tamsat.org.uk/public_data/	Not needed
wsi-hp/V1.0	JRC:MARS:WSI:C ROP	https://agricultural-production-hotspots.ec.europa.eu/data/indicators_wsi/wsi_hp/	Not needed
wsi-hp/V1.0	JRC:MARS:WSI:P ASTURE	https://agricultural-production-hotspots.ec.europa.eu/data/indicators_wsi/wsi_hp/	Not needed
Online eStation2		https://estation.jrc.ec.europa.eu/eStation2/datamanagement/getproductarchive	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