# Documentation for ESGF registration to download CORDEX datasets

Objective: *The objective of this exercise is to get a registration with the Earth System Grid Federation (ESGF)* to download the Coordinated Regional Climate Downscaling Experiment (CORDEX) datasets.*

Requirement: *Internet connection and email address*

ESGF registration process

1: Go to the website of IITM Pune (http://cccr.tropmet.res.in/home/index.jsp)
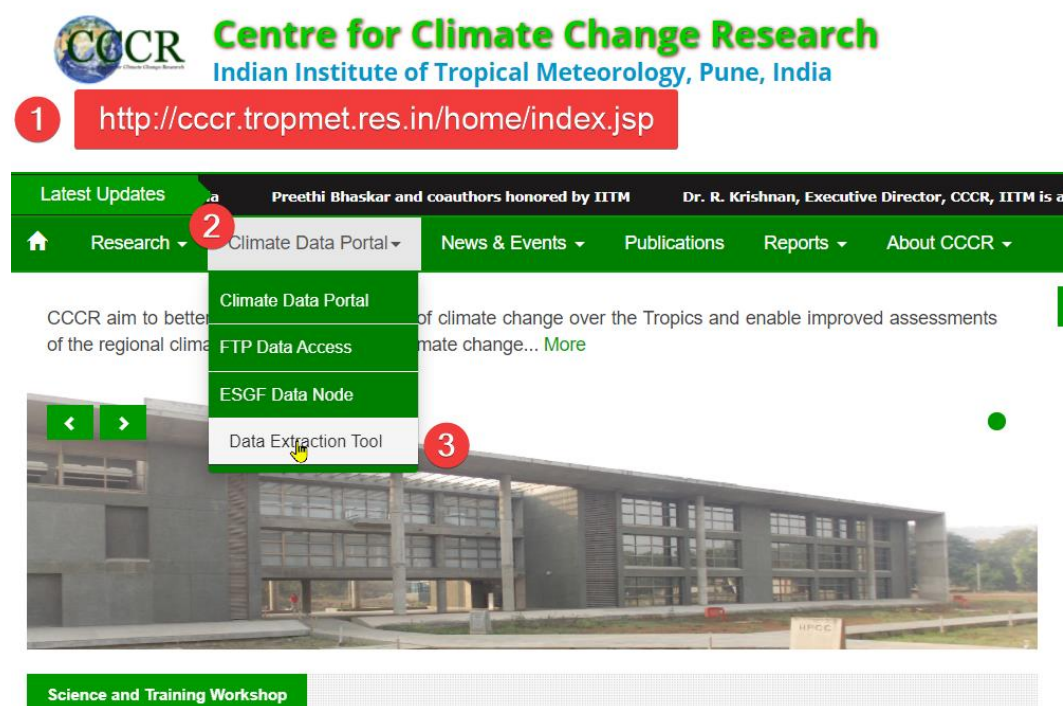
2: Click on 'Climate Data Portal'

3: Click on Data extraction Tool

*Note: *The ESGF maintains a global system of federated data centers that allow access to the largest archive of model climate data world-wide. ESGF portals provide access to the output from Coupled Model Intercomparison Project (CMIP) models contributing to the assessment report of the Intergovernmental Panel on Climate Change (IPCC), Coordinated Regional Climate Downscaling Experiment (CORDEX) projects, and others. CORDEX simulations are visible on all ESGF index nodes worldwide.*

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Latest Updates ...dia   Preethi Bhaskar and coauthors honored by IITM   Dr. R. Krishnan, Executive Director, CCCR, IITM is appointed as a Member of the Joint Scientific Committee for the WCRP

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Overview

Data Extraction Tools

Climate Scenarios

Data Extraction Tool

This is a trial version of a Web Interface based on python under development by CCCR-IITM for users to explore and remotely access subsets (some variables in a particular region for a particular time slice) of authorised datasets available on ESGF in the framework of CORDEX South Asia simulations, and download the selected subset in CSV, Text or NetCDF data formats.

Data Extraction Tool Architecture

This data extraction tool needs access to ESGF with an Openid and CORDEX project registration.

Users having ESGF Openid, click here ②

New users can create ESGF account following instructions given in DKRZ ESGF Index Node ①
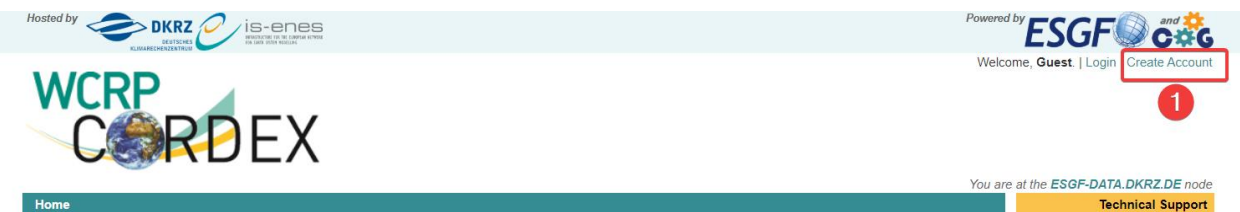
CORDEX also requires a **Group Registration** (see the detailed instructions on DKRZ Website) to access CORDEX data.

ESGF-CoG FAQ on questions concerning data, e.g. data format, data processing, CMIP and CORDEX data (e.g., How can CORDEX data on a grid with rotated poles be rotated back?) [please click here]

1) To Register for the ESGF account for the first time, click on "DKRZ"
2) Once registered, click on "click here" to get inside the node

ESGF registration can be done from multiple nodes. In this example the German Climate Computing Center (DKRZ) has been used

Go to the website for registration: https://esgf-data.dkrz.de/search/cordex-dkrz/

Hosted by   DKRZ   is-enes

Powered by   ESGF and CoG

Welcome, **Guest**. | Login | Create Account ①

WCRP
CORDEX

You are at the **ESGF-DATA.DKRZ.DE** node

Home   Technical Support

1: Click 'Create Account' for new registration

You will be taken to a registration page:

Type the following details:

1: Choose your username (eg. guest1)

2: First and last name

3: Your email address

4: Your password (Always remember your password and keep it safely, you will need it later)

5: Verification

6: Click 'Submit'

After clicking the 'submit', you will be taken to a new page which indicates that you have successfully created an account.

1: This is your OpenID to download CORDEX data. Please keep this information safely.

https://esgf-data.dkrz.de/esgf-idp/openid/guest1 (your username from earlier registration remains at the end. You will also receive email confirmation in your email account:
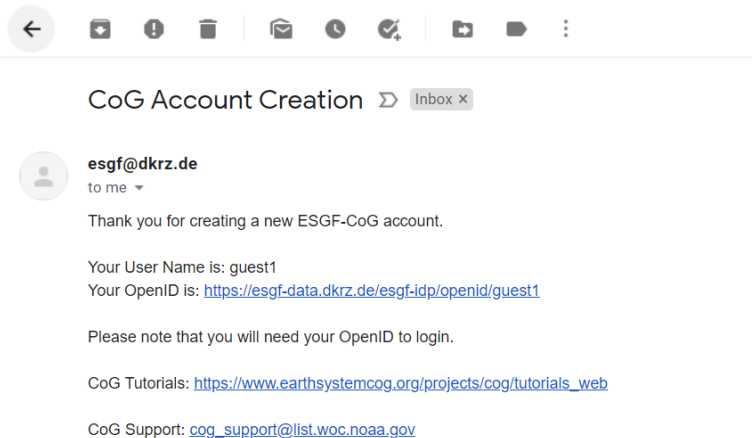
1: Now, go to IITM Pune website [http://cccr.tropmet.res.in/home/data_cccrdx.jsp] and click 'Users having ESGF OpenID, 'click here' link
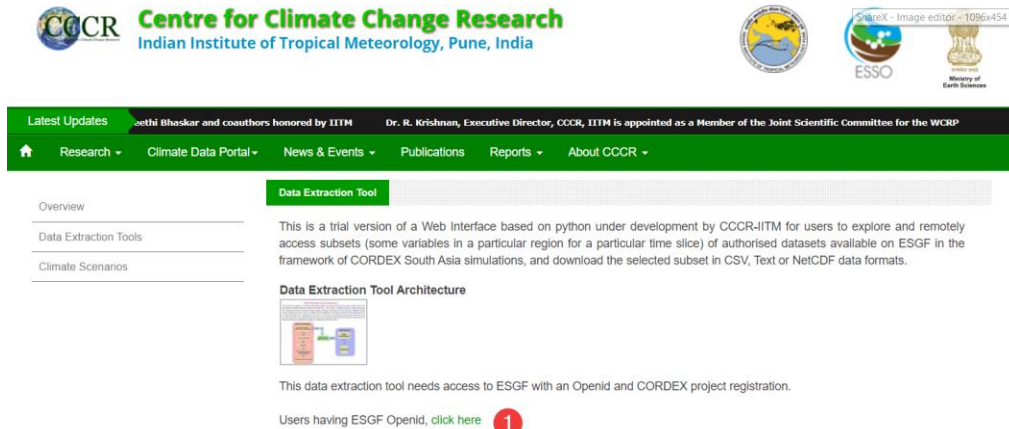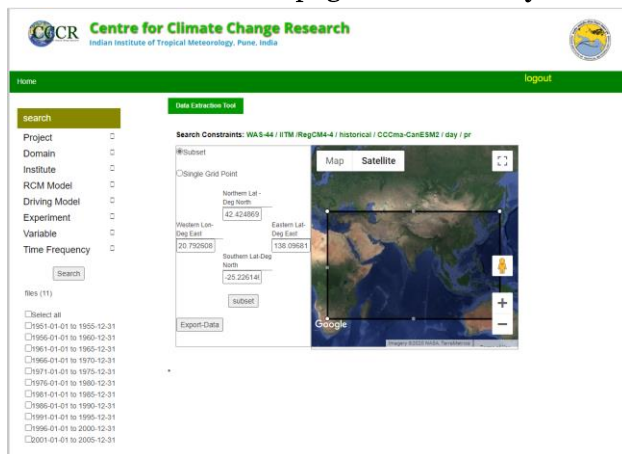

You will be taken to a new page where you can keep the ESGF OpenID link that you received during the registration:
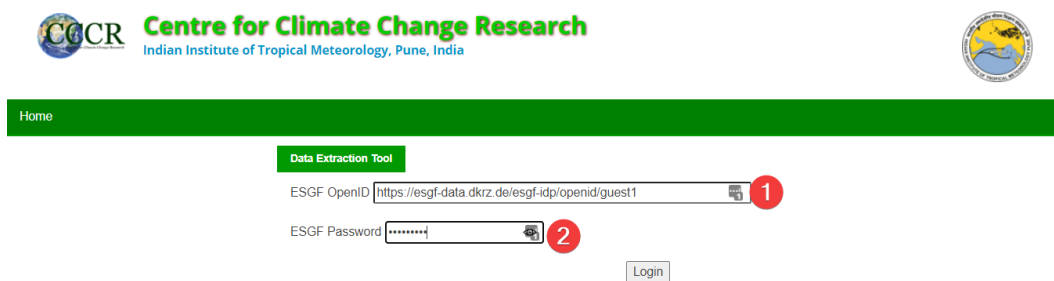
1: Keep your ESGF OpenID here
2: Enter your password here

You will be taken to a page from where you can download CORDEX datasets:

Now you will be able to download CORDEX data from IITM Portal. Please follow the next documentation on how to download CORDEX data

--End of the documentation --