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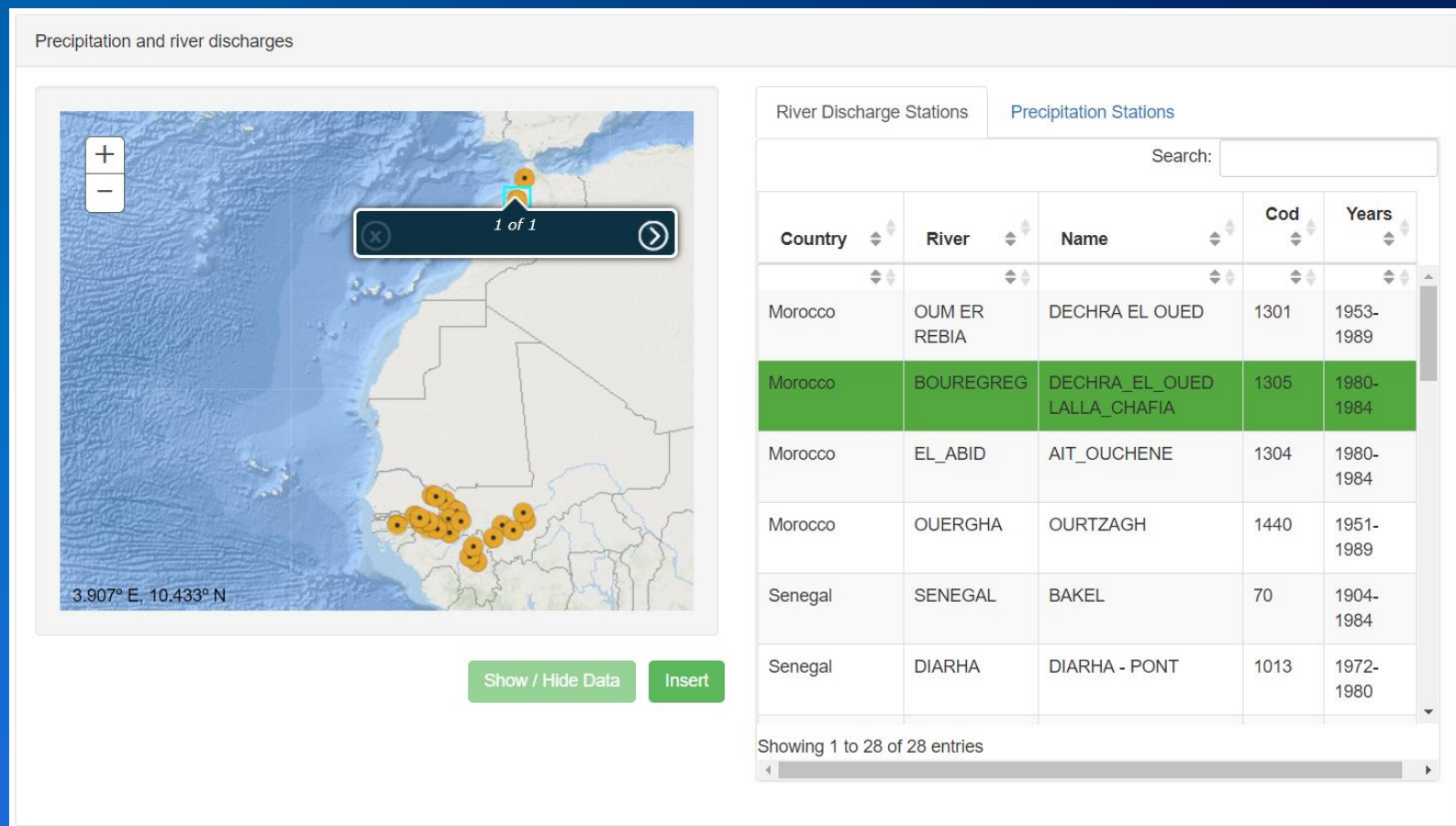
Use of the CCLME Eco- GIS Viewer

*Precipitation and
river discharges*

**Hands-on Workshop on “The use
of the CCLME Eco-GIS Viewer”**

11-13 July 2017

Precipitation and river discharges



<http://www.ideo-cclme.iao.es/Home/PrecipitationDischarges>



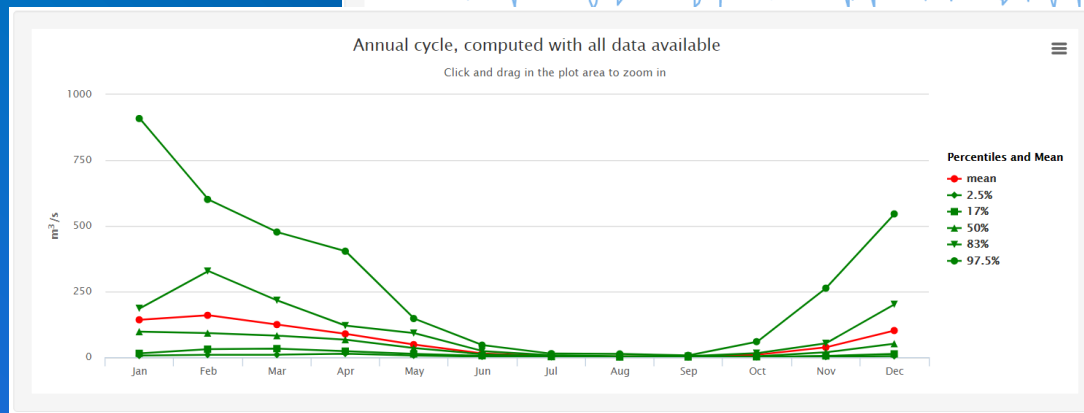
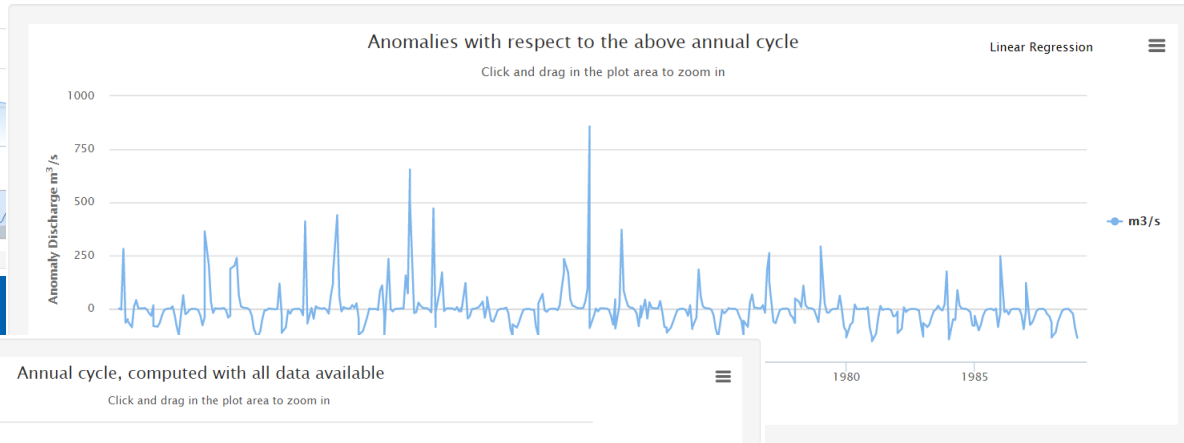
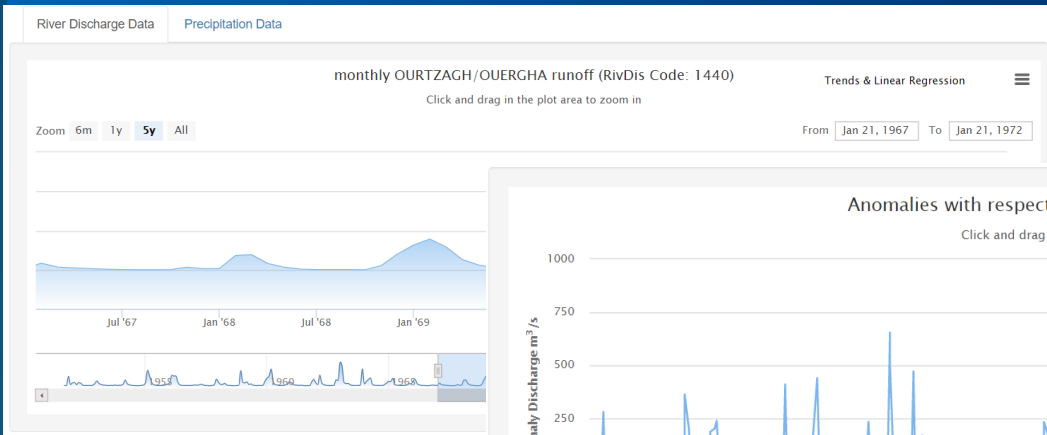
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Precipitation and river discharges



<http://www.ideo-cclme.ieo.es/Home/PrecipitationDischarges>



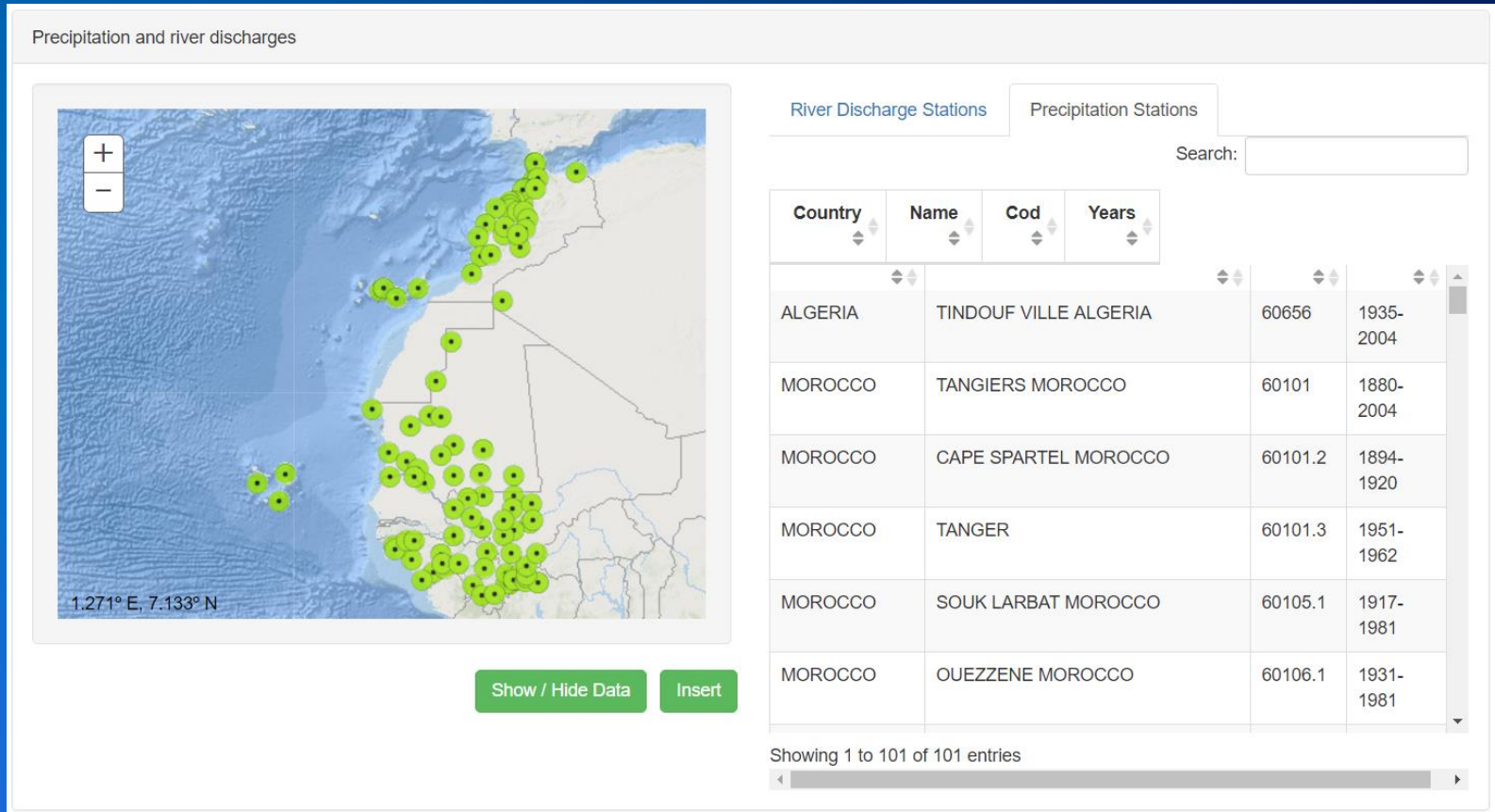
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Precipitation and river discharges



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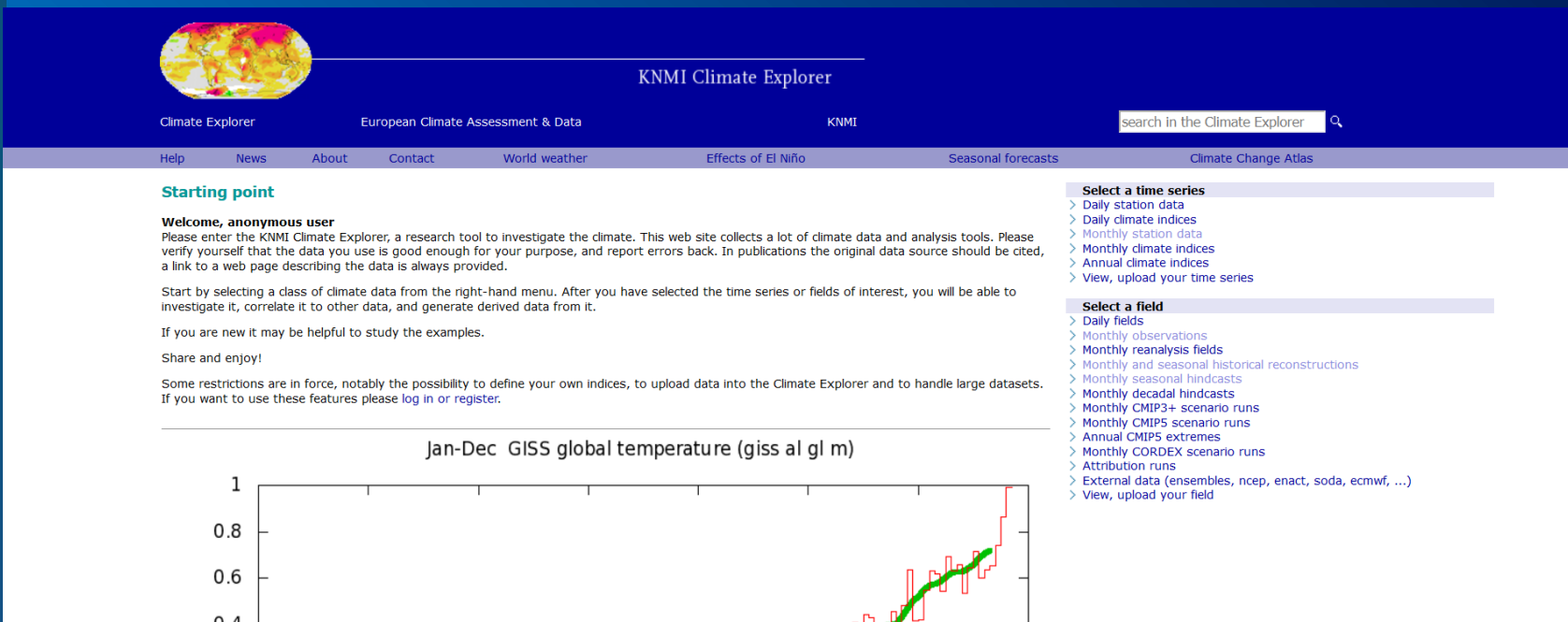
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Source Data



The screenshot shows the KNMI Climate Explorer website. At the top, there is a navigation bar with links: Climate Explorer, European Climate Assessment & Data, and KNMI. A search bar is located on the right. Below the navigation bar, there is a section titled "Starting point" with a "Welcome, anonymous user" message. The message explains that the site is a research tool for investigating climate data and analysis tools. It advises users to verify the data source and report errors. It also provides instructions on how to select data from the right-hand menu and how to generate derived data. A sidebar on the right contains two sections: "Select a time series" and "Select a field", each with a list of options. At the bottom, there is a line graph titled "Jan-Dec GISS global temperature (giss al gl m)" showing a clear upward trend in global temperature over time.

Climate Explorer European Climate Assessment & Data KNMI

search in the Climate Explorer

Help News About Contact World weather Effects of El Niño Seasonal forecasts Climate Change Atlas

Starting point

Welcome, anonymous user

Please enter the KNMI Climate Explorer, a research tool to investigate the climate. This web site collects a lot of climate data and analysis tools. Please verify yourself that the data you use is good enough for your purpose, and report errors back. In publications the original data source should be cited, a link to a web page describing the data is always provided.


Start by selecting a class of climate data from the right-hand menu. After you have selected the time series or fields of interest, you will be able to investigate it, correlate it to other data, and generate derived data from it.

If you are new it may be helpful to study the examples.

Share and enjoy!

Some restrictions are in force, notably the possibility to define your own indices, to upload data into the Climate Explorer and to handle large datasets. If you want to use these features please [log in](#) or [register](#).

Jan-Dec GISS global temperature (giss al gl m)



- Select a time series**
 - > Daily station data
 - > Daily climate indices
 - > Monthly station data
 - > Monthly climate indices
 - > Annual climate indices
 - > View, upload your time series
- Select a field**
 - > Daily fields
 - > Monthly observations
 - > Monthly reanalysis fields
 - > Monthly and seasonal historical reconstructions
 - > Monthly seasonal hindcasts
 - > Monthly decadal hindcasts
 - > Monthly CMIP3+ scenario runs
 - > Monthly CMIP5 scenario runs
 - > Annual CMIP5 extremes
 - > Monthly CORDEX scenario runs
 - > Attribution runs
 - > External data (ensembles, ncep, enact, soda, ecmwf, ...)
 - > View, upload your field

<http://climexp.knmi.nl/start.cgi?id=someone@somewhere>



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Source Data

ArcGIS REST Services Directory

[Login](#) | [Get Token](#)

[Home](#) > [services](#) > [UNESCO](#) > [RivDisStations \(MapServer\)](#)

[Help](#) | [API Reference](#)

[JSON](#) | [SOAP](#)

UNESCO/RivDisStations (MapServer)

View In: [ArcGIS JavaScript](#) [ArcGIS Online map viewer](#) [Google Earth](#) [ArcMap](#) [ArcGIS Explorer](#)

View Footprint In: [ArcGIS Online map viewer](#)

Service Description: River Discharge Stations

Map Name: Layers

[Legend](#)

[All Layers and Tables](#)

Layers:

- [River_Discharges_Stations](#) (0)

Description:

Copyright Text: River Discharge, CCLME, UNESCO

Spatial Reference: 102100 (3857)

<http://barretosm.md.iao.es/arcgis/rest/services/UNESCO/RivDisStations/MapServer>



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Source Data



The Global River Discharge Database (RivDIS v1.1)

The Global River Discharge Database development efforts represent the first step in a continually evolving compilation of river discharge information. One of the primary sources of information for the database development was the UNESCO river archives and the series of publications entitled "The Discharge of Selected Rivers of the World" which were provided, in book form from 1969 through 1984. The series served as an important source of information on approximately 1000 stations. RivDis v1.0 provides discharge data from the original UNESCO publication series in a digital format that can be easily acquired and analyzed by researchers and planners in the water sciences community. The contents of RivDis v1.0 was published recently in book form (Vorosmarty et al. 1996a) and can be obtained from UNESCO's International Hydrological Programme Headquarters (Offices: 1, Rue Miollis /75732 Paris CEDEX 15). This has resulted in the development of a database we refer to as RivDIS v1.0 and full publication summarizing the database.

- [Database development methods](#)
- [Volume 0: Introduction, Overview and Technical Notes](#) (From the published series)
- [Geographically Referenced](#) data from the Global River Discharge Database
- [View or download tabular data](#) from the Global River Discharge Database

Citations

Vörösmarty, C.J., B. Fekete, and B.A. Tucker. 1998. River Discharge Database, Version 1.1 (RivDIS v1.0 supplement). Available through the Institute for the Study of Earth, Oceans, and Space / University of New Hampshire, Durham NH (USA).

Vörösmarty, C.J., B. Fekete, and B.A. Tucker. 1996. River Discharge Database, Version 1.0 (RivDIS v1.0), Volumes 0 through 6. A contribution to IHP-V Theme 1. Technical Documents in Hydrology Series. UNESCO, Paris.

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