

Fact
sheet
N°4

Tool

DRIAS-Eau portal



Context

The DRIAS-Eau portal is an extension of the DRIAS portal. This tool provides water managers with access to future hydroclimatic data and offers support to help them make the best use of it.

Referent



Météo-France is the leader of the LIFE Eau&Climat project: facilitating access to hydroclimatic data.

Description

The Explore2 project follows on from the Explore 2070 study, which enabled the research community to draw up initial scenarios for the future availability of water resources in France. This new project enables the calculations to be based on more recent IPCC data and takes into account feedback from users.

All the results are available on the DRIAS-eau portal, developed on the same model as the current DRIAS "Les futurs du climat" portal.

Integration on the DRIAS- Eau portal

March 2023

Opening of the DRIAS-Eau portal with SIM2 hydro data

- EXPLORE2-SIM2 2021 data available
- Aggregated indicators calculated on the EXPLORE2-SIM2 2021 set

September 2023

Putting EXPLORE2 hydrological data online - Batch 1

- + Hydrological projection data
- + 8 surface hydrology models

Late 2023 to mid 2024

Putting EXPLORE2 hydrological data online - Batch 2

- + Data on piezometric projections and recharge potential
- + Hydrological indicators, station result sheets and cartographic products

For whom?

Any public or private player in a territory (and engineering offices)

Objective

The aim of DRIAS-Eau is to make available, in various graphical or digital formats, the hydrological projections of surface water and groundwater produced as part of the Explore2 national project, as well as all the information required for their proper use.

How to use it?

The DRIAS-Eau portal offers a three-stage approach: support area, discovery area and data and products area.

To find out more



driascontact@meteo.fr



<https://www.drias-eau.fr/>



@gesteau

Method

- 1 "Support" section: Description of the principles of hydrological modelling, the different models used and the uncertainties.



All this information is accompanied by appropriate support (documents, FAQs, hotline) to make it easier to use the various information and to pass on good practice.

- 2 "Discovery" section with a cartographic presentation of some of the results.



Interactive maps showing climate indices, combined with different layers of geographical information (administrative boundaries, river basins, relief, etc.), for immediate analysis. These maps are available in image format (png).

- 3 "Data and products" section for free downloading of data and indicators.



This section allows you to download all the hydrological variables and indicators in several digital data formats. Various variables are available:



River flow (at almost 850 points on the hydrographic network of mainland France)



Evapotranspiration (evaporation of water from the soil and transpiration by plants)



Soil moisture (the amount of water available in the soil, especially for plants)



Snowpack water equivalent (the stock of water potentially available at the time of melting)



Drainage (the amount of water that infiltrates the ground)



Runoff (water that is not retained by the soil and drains into watercourses)



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