



The **World Register of Dams** is a database including **more than 33 000 dams**.

The Committee of the Register coordinates the data collection within the National Committees. They are included in the database, after validation by the Committee of the Register.

On the website, the database is served by a **powerful search engine**, which is described in this document.

# Starting guide

## Captions



: Hide or unhide all the fields



: To export your research in excel



: To export your research in a file (csv format)



: To load or save query



: Custom Engine, to modify your search criteria and your results settings.



: Reset your query



: Launch your query

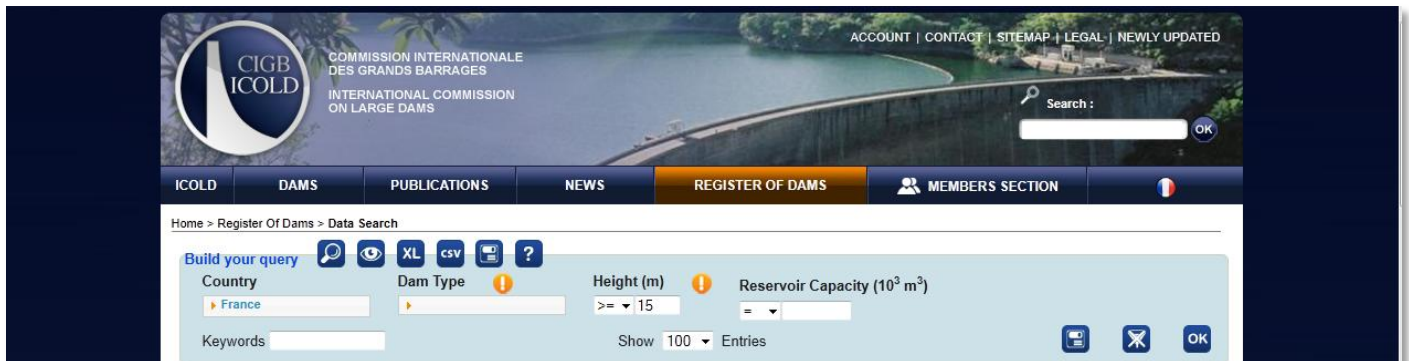


: Some useful information

# Data Presentation

Data are shown in a two parts table

- ➔ 1) The upper part, in a blue frame titled « [Build your query](#) », displays the search criteria that were chosen.  
By default, the following criteria are selected: Country, Dam type, Height, Reservoir capacity.  
The internet user keys in the values for each criterion and launches the research.



(Example: Country: France, Height: all dams 15m high and above.)

- ➔ 2) The lower part, with multiple columns, titled « [Results](#) »; displays the result of the research.  
By default, these columns are shown: Country, Dam type, Height, Reservoir Capacity, Dam name.

Country	Dam Type	Height (m)	Reservoir Capacity (10 <sup>3</sup> m <sup>3</sup> )	Dam	PDF
France	ER	16	400	HERBES BLANCHES	
France	VA	29	116	TAKAMAKA 2	
France	VA	22	25	TAKAMAKA 1	
France	ER/TE	32	7 880	SAINT PIERRE LA MANZO	
France	PG	47	3 500 000	PETIT SAUT	
France	VA	38	650	DUMBEA	
France	PG	23	2 000	NEAOUA	
France	VA	60	313 000	YATE	
France	MV	25	2 300	AGE	
France	ER/TE	57	25 800	AGLY	
France	PG/VA	92	225 000	AIGLE ( L' )	


(Example: here the result of a query based on dams in France.  
The last column (PDF) is used to export the data in a pdf file and is always shown.)



The user can then refine the search by keying in values ahead of each column.

Country ▼ <input type="text"/>	Dam Type ▼ <input type="text"/>	Height (m) ▼ 15 <input type="text"/>	Reservoir Capacity (10 <sup>3</sup> m <sup>3</sup> ) ▼ <input type="text"/>	Dam ▼ <input type="text"/>	PDF
Bulgaria	TE	15	6 288	BIAL KLADENETZ	

(Example: In the « height » column, if you key in “15”, only the dams 15 m high will be displayed.)

## How to define research criteria and to determine which results are displayed

- To determine the research criteria, click on the custom engine  and check in the research criteria you wish to use.



 **Custom Engine**


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**SEARCH CRITERIA**

Select all

<input type="checkbox"/> Alias	<input type="checkbox"/> Area of Reservoir (10 <sup>3</sup> m <sup>3</sup> )	<input type="checkbox"/> Catchment area (km <sup>2</sup> )	<input type="checkbox"/>
<input type="checkbox"/> Consultant	<input type="checkbox"/> Contractor	<input type="checkbox"/> Country	<input type="checkbox"/>
<input checked="" type="checkbox"/> Dam	<input checked="" type="checkbox"/> 1 Dam Type	<input checked="" type="checkbox"/> 2 Electric Capacity (Mw)	<input type="checkbox"/>
<input type="checkbox"/> Foundation	<input type="checkbox"/> Height (m)	<input checked="" type="checkbox"/> 3 International	<input type="checkbox"/>
<input type="checkbox"/> Irrigated areas (km <sup>2</sup> )	<input type="checkbox"/> Length (m)	<input checked="" type="checkbox"/> 4 Length of Reservoir (km)	<input type="checkbox"/>
<input type="checkbox"/> Main Dam	<input type="checkbox"/> Mean Annual Energy (GWh/year)	<input type="checkbox"/> Nearest Town	<input type="checkbox"/>
<input type="checkbox"/> Note	<input type="checkbox"/> Purpose of Reservoir	<input type="checkbox"/> Remarks	<input type="checkbox"/>
<input type="checkbox"/> Reservoir Capacity (10 <sup>3</sup> m <sup>3</sup> )	<input type="checkbox"/> Resettlement	<input type="checkbox"/> Secondary Dam	<input type="checkbox"/>
<input type="checkbox"/> Special features	<input type="checkbox"/> Spillway Capacity (m <sup>3</sup> /s)	<input type="checkbox"/> Spillway Type	<input type="checkbox"/>
<input type="checkbox"/> State/Province/Country	<input type="checkbox"/> Volume Flood Protection (hm <sup>3</sup> )	<input type="checkbox"/> Volume of dam body (10 <sup>3</sup> m <sup>3</sup> )	<input type="checkbox"/>
<input type="checkbox"/> Watertight	<input type="checkbox"/> Year of Completion	<input type="checkbox"/>	<input type="checkbox"/>

Reset 


(Example: Dam, Dam type, height and length are checked and will be displayed in the “build your query” part)

➤ To determine the columns to be displayed, check the columns in the lower part.

**COLUMNS TO DISPLAY FOR RESULTS**

Select all

Alias <input type="checkbox"/>	Area of Reservoir (10 <sup>3</sup> m <sup>3</sup> ) <input type="checkbox"/>	Catchment area (km <sup>2</sup> ) <input type="checkbox"/>
Consultant <input type="checkbox"/>	Continent <input type="checkbox"/>	<input checked="" type="checkbox"/> 1 Contractor <input type="checkbox"/>
Country <input type="checkbox"/>	Electric Capacity (Mw) <input type="checkbox"/>	Foundation <input type="checkbox"/>
International <input type="checkbox"/>	Irrigated areas (km <sup>2</sup> ) <input type="checkbox"/>	Length of Reservoir (km) <input type="checkbox"/>
Main Dam <input type="checkbox"/>	Mean Annual Energy (GWh/year) <input type="checkbox"/>	Nearest Town <input type="checkbox"/>
Note <input type="checkbox"/>	Owner Type <input type="checkbox"/>	<input checked="" type="checkbox"/> 2 Purpose of Reservoir <input type="checkbox"/>
Remarks <input type="checkbox"/>	Reservoir <input type="checkbox"/>	<input checked="" type="checkbox"/> 3 Reservoir Capacity (10 <sup>3</sup> m <sup>3</sup> ) <input type="checkbox"/>
Resettlement <input type="checkbox"/>	River <input type="checkbox"/>	<input checked="" type="checkbox"/> 4 Secondary Dam <input type="checkbox"/>
Special features <input type="checkbox"/>	Spillway Capacity (m <sup>3</sup> /s) <input type="checkbox"/>	Spillway Type <input type="checkbox"/>
State/Province/Country <input type="checkbox"/>	Volume Flood Protection (hm <sup>3</sup> ) <input type="checkbox"/>	Volume of dam body (10 <sup>3</sup> m <sup>3</sup> ) <input type="checkbox"/>
Watertight <input type="checkbox"/>	Year of Completion <input type="checkbox"/>	<input type="checkbox"/>

Reset

(Example: Continent, Owner type, Reservoir, and river are checked and will be displayed in the results of the query.)

**Remark:**

The columns displayed in « [Results](#) » are not necessarily the same as in « [Build your query](#) ». The user may choose to make a research on 4 criteria but only show the 4 columns that he is interested in.

Home > Register Of Dams > Data Search

Build your query

Dam  Dam Type  Height (m)  Length (m)  Keywords

Show 100 Entries

1 2 3 4 5 Next Last  
Results : 669

Continent	Owner Type	Reservoir	River	PDF
EUROPE	NEK		Vacha	<input type="button" value="PDF"/>
EUROPE	NEK		Vacha	<input type="button" value="PDF"/>
EUROPE	IS		Topolnitza	<input type="button" value="PDF"/>
EUROPE	NEK		Arda	<input type="button" value="PDF"/>
EUROPE	WSS		Struma	<input type="button" value="PDF"/>
ASIA	TEHRAN REGIONAL WATER AUTHORITY		JAJROOD	<input type="button" value="PDF"/>
ASIA	HORMOZGAN REGIONAL		MINAR	<input type="button" value="PDF"/>

(Example: A search bears on Dam type (BM, CB). In the results, only the Continent, the Owner type, the Reservoir and the River are displayed.)

## Specific codes used in the database

The data basis is filled on fixed criteria, with specific codes indicated in the table below :

Item	Notes
Name of country in English	<b>Names as used in ICOLD (or UNO)</b>
Name of country in French	
Name of dam	
Secondary dam	Write S if name of dam is not main dam.
Name of main dam	Special information in Note
Name of reservoir	Only if name is not the same as main dam
Year of completion	
Special features	Choice : A abandoned ; H heightened ; L lowered ; U unchanged; R rebuilt; C under construction.
International	Enter I if dam abutments lie in different countries
River	For unnamed tributaries, enter name of main river followed by /T
Nearest town	
State / Province / County	Abbreviations may be used
Dam Type	May combine up to 3 types code : CB buttress ; BM barrage ; ER rock fill ; MV multiple arch ; PG gravity in masonry or concrete ; TE earth ; VA arch ; XX unlisted ; (e.g. : CB/PG)
Position and type of watertight member	Position : f upstream facing ; h homogeneous dam ; i core ; x unlisted . Type : a bituminous concrete ; c concrete ; e earth ; m metal ; p plastic ; x listed ; (e.g : fc).
Foundation	R rock ; R/S rock / soil ; S soil ; X unlisted.
Height of dam	Height in metres (m) above foundation ;
Length of dam	Length in metres (m) measured at crest.
Volume of dam body	Expressed in thousands of cubic metres (10 <sup>3</sup> m <sup>3</sup> )
Reservoir capacity	Expressed in thousands of cubic metres (10 <sup>3</sup> m <sup>3</sup> )
Area of reservoir	Expressed in thousands of square metres (10 <sup>3</sup> m <sup>2</sup> )
Length of reservoir	Expressed in kilometres (km) at longest part
Purpose(s) of reservoir	Up to 6 purposes entered in decreasing order of priority : C flood control ; I irrigation ; H hydroelectricity ; F fish farming ; N navigation; R recreation; S water supply ; X others or unlisted ; (e.g : HIS).
Area of reservoir	Expressed in square kilometres (km <sup>2</sup> )
Spillway capacity	Expressed in cubic meters per second (m <sup>3</sup> /s)
Spillway type	L free overspill ; L/V gated-free overspill ; V gated ; X other ; (e.g. : L).
Owner	
Consultant	
Contractor	
Note	Special information for printing
Remarks	
Electric installed capacity	Expressed in Megawatt
Mean annual energy	Energy produced expressed in GWh/ year
Irrigated areas	Expressed in square kilometres (km <sup>2</sup> )
Volume flood protection	Expressed in million of cubic metres (hm <sup>3</sup> )
Resettlement	Number of persons affected by resettlement