

1 600+  
sources used

220 000+  
data points (year x variable x country)

80 000+  
data-point metadata

180+  
variables and indicators

160+  
country-level irrigated crop calendars

15 000+  
sub-national irrigation areas

150+  
detailed country  
profiles

# AQUASTAT

counting every drop

500  
multi-lingual  
water-related  
definitions

570+  
transboundary water resources data points

info on  
650+  
national water-related institutions

150+  
country, regional,  
basin, global maps

geo-referenced info on  
~14 000  
dams

40+  
published documents  
(1000s of published pages)

investment costs for  
250+  
irrigation projects in africa

## What we do

Collect analyse and disseminate information on water resources, water uses and agricultural water management with an emphasis on countries in Africa, Asia, Latin America and the Caribbean

### Collection

- Information gathering through national expertise
- Continuous monitoring of statistical information from national and international programmes

### Dissemination

- AQUASTAT website entirely available in English, French and Spanish
- Online databases
- Data enrichment through metadata
- Books, reports, articles, notes - through CD, RSS, social media

### Analysis

- Several rounds of manual and automatic quality control
- Data and metadata improvement using GIS, remote sensing and modelling
- Standardization to allow international comparability
- Submission to government for approval and incorporation of feedback

### Thematic studies

- Filling data gaps, improving reliability, feeding global topical debates



# AQUASTAT

[www.fao.org/nr/aquastat](http://www.fao.org/nr/aquastat)

What we offer: \_\_\_\_\_

Standardized data and information on water:

To provide you with evidence to measure your progress and to substantiate your decisions

What we produce: \_\_\_\_\_

## AQUASTAT main online country database

180+ variables on water resources, water uses, irrigation and drainage, from 1958 to date, for 200+ countries and territories, in English, French and Spanish



### Metadata

Quantitative and qualitative contextual information about data-points, as well as a description of AQUASTAT's experience with the metadata system development

### Country fact sheets

One page summary on a country's most relevant statistics, dynamically generated from the database

### Country profiles

National-level analysis of water resources, water uses, irrigation and drainage, environment, institutional framework, prospects, in 150+ countries

### Regional analyses

Covering Africa, Central Asia, Middle East, Southern and Eastern Asia, Latin America and the Caribbean

### Transboundary river basins

Quantitative and qualitative information for selected transboundary river basins

## Climate information tool

Spatial dataset containing climate data allowing for calculation of soil water balance, and crop and irrigation water requirements

## Dams database

Geo-referenced database of large dams, including information on dam height, reservoir capacity and area, and purposes

## Investment cost in irrigation

Information on irrigation investment costs for some 250 irrigation projects

## Irrigation water use

Pressure on the available water resources due to irrigation, based on detailed irrigated crop calendars for 150+ countries

## Wastewater

Information and data about municipal wastewater production, collection, treatment, discharge and direct use

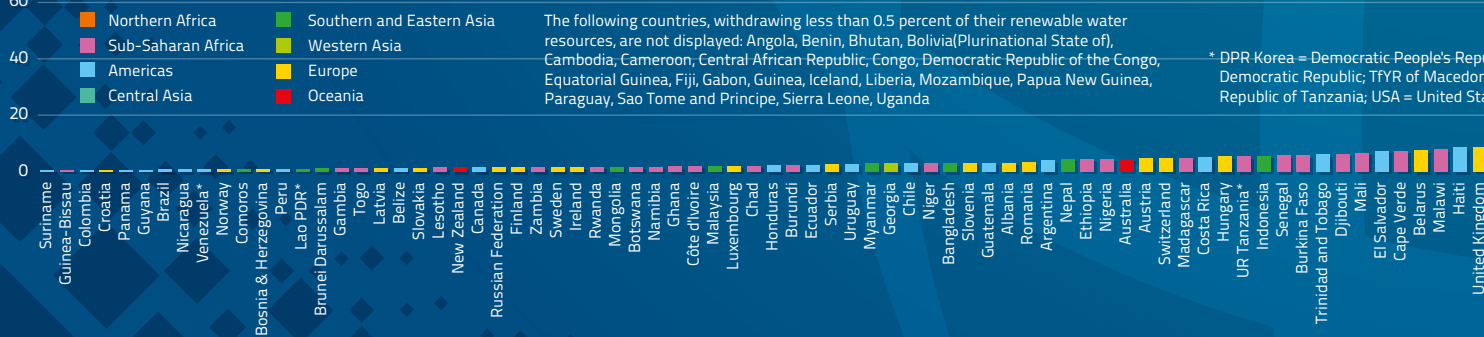
## Water resources

Country water resources sheets ensuring consistency between countries sharing the same river basin, by taking into consideration agreements between countries on the sharing of transboundary water resources

## Water-related institutions database

650+ institutions, searchable by country, by type of institution, by main activity, or by keyword

Percentage of renewable water resources withdrawn - Millennium Development Goal Indicator 7.5



## Tools:

To allow you to generate your own analysis and conclusions, articles and presentations

## Capacity development:

To improve your understanding and monitoring of water resources, uses, and irrigation management

### Glossary

500 water-related terms in Arabic, Chinese, English, French, Russian and Spanish

### Publications

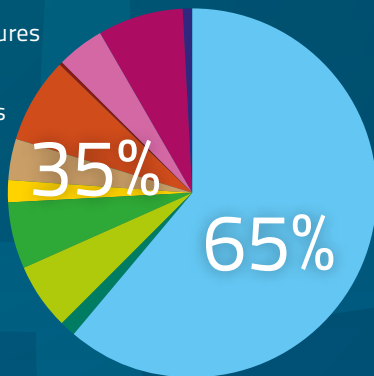
40+ reports, papers and articles: methodological discussions, data compilations, project reports, useful for water-related planning, policy-making, capacity development, research, etc.

### Information for the media

Selected basic water-related data from the database and information from the website bought together in easily understandable fact sheets

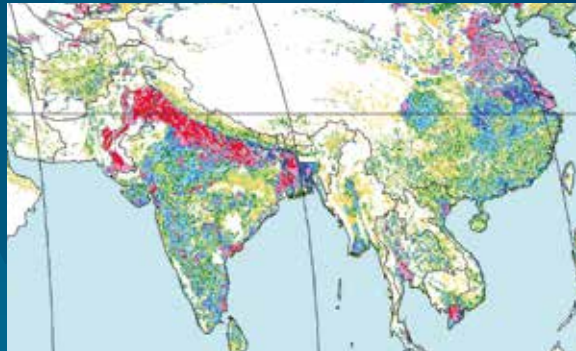
### Irrigated crops worldwide

- Cereals
- Others
- Fodder & pastures
- Fiber crops
- Beverage crops
- Oil crops
- Sugar crops
- Pulses
- Fruits
- Vegetables
- Roots



### Global map of irrigation areas

Areas equipped for irrigation, including the sources of water, based on statistical and geospatial information at a national and sub-national level



### Geospatial information

Downloadable datasets and digital data layers on climate, water resources and irrigation

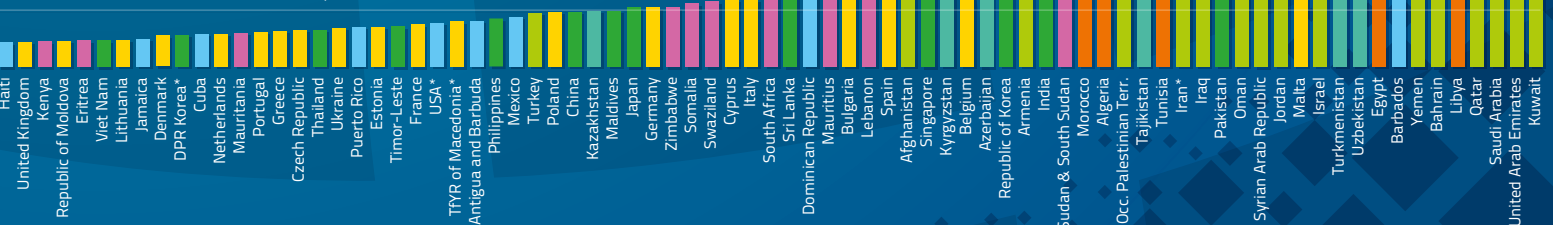
### Water maps

Maps showing water-related data at country, regional, transboundary river basin and global levels

### Projects

To improve the understanding and monitoring of agricultural water and contribute to national capacity development. Examples of key projects, led by AQUASTAT, are the UN-Water Country Briefs and the UN-Water Federated Water Monitoring System and Key Water Indicator Portal

Republic of Korea; Iran = Islamic Republic of Iran; Lao PDR = Lao People's Republic; Macedonia = The former Yugoslav Republic of Macedonia; UR Tanzania = United States of America; Venezuela = Bolivarian Republic of Venezuela



# Collaboration

- Within FAO: State of the World's Land and Water Resources for Food and Agriculture (SOLAW); Statistical Yearbooks; World Agriculture Towards 2015/30, 2030/2050, 2050/2080; World Census of Agriculture 2010, 2020
- With United Nations and UN-Water: World Water Development Reports (WWDR), Human Development Reports (HDR), Millennium Development Goal (MDG) reports; Sustainable Development Goal (SDG) reports; projects
- With other international agencies: Harmonization of water-related terminology, definitions and data

## If you are...

a member of the general public  
 a national water technician  
 a policy/decision maker  
 a researcher  
 a student  
 a development community  
 the media

## Use AQUASTAT to...

	a development community	a member of the general public	the media	a national water technician	a policy/decision maker	a researcher	a student
Download data on 180 publicly available variables in 200+ countries from 1958-present and use it for your research, analysis and modelling free of cost	●				●		●
Compare countries and regions using the water-related variables or indicators	●						●
Understand 500+ water terms in six languages: Arabic, Chinese, English, French, Russian and Spanish	●	●	●	●	●		●
Kickstart your project proposal or initiative using the AQUASTAT country profiles, country fact sheets, water resources sheets	●				●		
Learn about transboundary water issues, and the associated complexities	●	●	●	●	●		●
Stay current with the on-going international debate on water-related issues	●	●	●	●	●		●
Quickly prepare for your meeting or presentation by using AQUASTAT's country, regional, river basin and global products	●				●	●	●
Discover basic water information through the information for journalists section		●	●	●			●
Get easily understandable water information for your article or blog		●	●	●			●
Support national, regional and global policy and decision-making						●	
Identify data-gaps and determine where data-enriching exercises could be performed in your country	●				●	●	●
Demonstrate the importance of irrigation for food security, in this age of competing needs for land and water	●		●	●	●		●

Land and Water Division (NRL)

Food and Agriculture Organization  
of the United Nations

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