



Metadata

Catalan Water Agency-SIX database

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General information

name of the dataset:

full name of the dataset: *Catalan Water Agency-SIX database*

dataset short name: *SIX-ACA*

type of dataset ([more information](#)): *species (taxonomic group) per site database including environmental information*

data type: *point data/observation data, shape files*

short description of the dataset/summary:

Dataset of the Catalan Water Agency (Agència Catalana de l'Aigua) covering control networks in Catalan water bodies (rivers, lakes, wetlands, reservoirs, coastal and transitional waters and groundwaters). Website in Catalan: <http://aca-web.gencat.cat/aca/>

science keywords according to [GCMD](#):

topic: *Biosphere, Biological Classification, Terrestrial Hydrosphere*

keywords: *macroinvertebrates
diatoms
macrophytes
fish
chemicals
hydrological
rivers
wetlands
reservoirs
coastal and transitional waters
groundwaters
mediterranean
environmental
monitoring*

ISO topic category according to [ISO 19115](#):

Biota, Inland Waters

Technical and administrative specifications

data format: *Oracle*
operating system: *all Windows systems*
data language: *others/specify*
specify: *Catalan*
current access level: *others/specify*
web address (URL): *http://aca-web.gencat.cat/aca/*
others/details: *Partially public, partially internal use*
update level: *continuously updated*
documentation:
type: *internal description*
language: *others/specify*

Do you plan to publish the data on the Freshwater Biodiversity data portal:

media for data delivery: *online internet (HTTP)*
web address: *http://aca-web.gencat.cat/aca/*

contact details:

metadata contact person:
first, last name: *Antoni MunnÃ©*
phone: *935672800*
email: *anmunne@gencat.cat*
institution: *Catalan Water Agency (anmunne@gencat.cat)*
address: *Provença 204-208*
postal code, city: *08036 Barcelona*
province, state: *Catalonia*
country: *Spain*
web address: *http://aca-web.gencat.cat/aca/*

technical contact person:
first, last name: *Antoni MunnÃ©*
email: *anmunne@gencat.cat*

scientific contact person:
first, last name: *Antoni MunnÃ©*
email: *anmunne@gencat.cat*

Intellectual property rights and citation

(if the database is already published):

dataset creator (data compiler):

contact name: *Catalan Water Agency*

contact email: *Catalan Water Agency; Antoni Munne; anmunne@gencat.cat*

data contributors to/owners of this dataset:

single

criteria for using the data in a publication/scientific analysis:

Other/Additional criteria

other/additional criteria:

Data provider must be informed of publication 45 days in advance and can object to the use of the dataset within 30 days. Data must be publicly acknowledged and cited correctly.

citation of this dataset:

author(s): *Catalan Water Agency*

title: *SIX database*

year: *current year*

citation of the metadata:

comments: *Several providers*

General data specifications

regional coverage of the dataset:

scale of the dataset: *regional*
continents: *Europe*

spatial extend (bounding coordinates):

southernmost latitude [°]: *40° 31' 27,56"*
northernmost latitude [°]: *42° 51' 45,97"*
westernmost longitude [°]: *0° 9' 41,69"*
easternmost longitude [°]: *3° 19' 59,94'*
countries: *Europe: Spain*
comments: *Catalonia*

Site specifications

coordinate system/grid data:	<i>projected, UTM</i>
datum (e.g. WGS84):	<i>WGS84</i>
grid data available:	<i>no</i>
site coding available:	<i>yes</i>
	<i>alphanumerical</i>
example:	<i>Several types</i>
number of sites:	<i>>1000</i>

Climate and environmental data

climate related data: *no data available*

environmental data: *no parameter data per catchment available
no parameter data per site available*

comments: *All site description data is available in another linked database from the Catalan Water Agency (available online in the website)*

physico-chemistry data: *ortho P, nitrate, ammonium, sulphate, chloride, sodium, magnesium, labile aluminium, calcium, TOC (total organic carbon), oxygen content, water temperature, pH, conductivity, chlorophyll, Secchi disc depth, thermocline depth*

other physico-chemical parameters *Priority substances (Directive 105/2008/EC)*

availability of physico-chemical data, if there is more than one sample per site:

per sample

stressors influencing the sites:

reference sites available: *yes
no stressor data available*

comments: *Part of this information data is available in another linked database from the Catalan Water Agency (available online in the website)*

Biological data

biological data origin:

from sampling

specify project:

Monitoring program from the Catalan Water Agency

organism group addressed:

fish, macro-invertebrates (Mollusca, Ephemeroptera, Odonata, Plecoptera, Trichoptera, Chironomidae), phytoplankton, (benthic) diatoms, macroalgae, macrophytes, invasive species

comments:

Taxa related to biological indexes according to the WFD

Sample specifications/sample resolution

fish:

sample information:

covered timeframe:
 year from - to: *2007 - 2010*
 historical data: *no*
 palaeo data: *no*
 temporal resolution/frequency of sampling:
Once every six years
 time series data: *no*

taxonomic resolution: *species*

taxonomic coding:

taxalist according to: *FAME project*

sample specifications: *quantitative (abundance data)*

replicate samples: *no*
 specification of method(s) used for sampling and sorting:
Standard CEN

macro-invertebrates:

sample information:

covered timeframe:
 year from - to: *2007 - 2011*
 historical data: *no*
 palaeo data: *no*
 season: *spring*
 temporal resolution/frequency of sampling:
per year
 time series data: *yes*

taxonomic resolution: *family*

taxonomic coding:

taxalist according to: *Fauna Europaea*

sample specifications: *qualitative*

replicate samples: *no*

phytoplankton:

sample information:

covered timeframe:
 year from - to: *2007 - 2011*
 historical data: *no*
 season: *spring*
 temporal resolution/frequency of sampling:
Once every six years
 time series data: *no*

taxonomic resolution: *other*

other taxonomic levels: *Several*

taxonomic coding:

taxalist according to: *Not available*

sample specifications: *qualitative*

replicate samples: *no*

(benthic) diatoms:

sample information:

covered timeframe:
 year from - to: *2007 - 2011*
 historical data: *no*
 palaeo data: *no*
 season: *spring*
 temporal resolution/frequency of sampling:

per year

time series data: *yes*

taxonomic resolution: *species*

taxonomic coding:

taxalist according to: *According to OMNIDIA software*

sample specifications: *quantitative (abundance data)*

replicate samples: *no*

macroalgae:

sample information:

covered timeframe:
 year from - to: *2007 - 2011*
 historical data: *no*
 season: *spring*
 temporal resolution/frequency of sampling:

Once every six years

time series data: *no*

taxonomic resolution: *genus*

taxonomic coding:

taxalist according to: *Not available*

sample specifications: *semi-quantitative*

replicate samples: *no*

macrophytes:

sample information:

covered timeframe:
 year from - to: *2007 - 2011*
 historical data: *no*
 palaeo data: *no*
 season: *spring*
 temporal resolution/frequency of sampling:

Once every six years

time series data: *no*

taxonomic resolution: *species*

taxonomic coding:

taxalist according to: *Not available*

sample specifications: *semi-quantitative*

replicate samples: *no*

invasive species:

sample information:

covered timeframe:
 year from - to: *2007 - 2011*

historical data:	<i>no</i>
season:	<i>spring</i>
temporal resolution/frequency of sampling:	<i>Very variable, depending on taxa</i>
time series data:	<i>no</i>
taxonomic resolution:	<i>genus, species</i>
taxonomic coding:	
taxalist according to:	<i>Not available</i>
sample specifications:	<i>presence/absence</i>

Other specifications

GIS layers, shapes related to the dataset:

catchments, river-sub-basins

dams/reservoirs/barriers

protected areas

environmental variables (freshwater or terrestrial)

climatic variables (current and predictions)

others (specify):

Available from other sources (e.g. Corine land cover)

availability of photos:

no

availability of maps:

yes

quality control procedures:

Were any quality control procedures applied to your dataset?

yes

quality control protocols and comments:

ISO 9001