Metadata

Otra catchment (Norway)

General information

name of the dataset:

full name of the dataset: *Otra catchment (Norway)*

dataset short name: *Otra Norway*

type of dataset (more information): *environmental characteristics database*

data type: *point data/observation data*

short description of the dataset/summary:

Time-series of water quality measurements in the Otra river basin.

science keywords according to GCMD:

topic: *Terrestrial Hydrosphere*

ISO topic category according to ISO 19115:

Geoscientific Information, Inland Waters

Technical and administrative specifications

data format:	*csv*
operating system:	*all operating systems*
data language:	*English*
current access level:	*internal*
currently available through GBIF:	*no*
exchange planned:	*no*
data in data repository:	*no*
Do you plan to publish the data on the Freshwater Biodiversity Data Portal:	*no*
update level:	*continuously updated*
documentation:	
type:	*internal description*
language:	*English*
contact details:	
metadata contact person:	
first, last name:	*Ã˜yvind Kaste*
email:	*oka@niva.no*
institution:	*Norwegian Institute for Water Research*
address:	*Gaustadalleen 21*
postal code, city:	*0655 Oslo*
country	*Norway*
web address:	*www.niva.no*
technical contact person:	
first, last name:	*Liv Bente Skancke*
email:	*liv.skancke@niva.no*
scientific contact person:	
first, last name:	*Raoul-Marie Couture*
email:	*rmc@niva.no*
comments:	*Please note that not all data are available at the moment (02/15), but will be continuously updated throughout the MARS project (www.mars-project.eu).*

Intellectual property rights and citation

dataset publisher (if the dataset is already published): *The dataset is not published*

dataset creator (data compiler):

contact name:	*Liv Bente Skancke*
contact email:	*liv.skancke@niva.no*
contact institution:	*Norwegian Institute for Water Research*

data contributors to/owners of this dataset:

single

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

The dataset needs to be requested from dataset creator with specific conditions of use.

citation of this dataset:

author(s):	*Wright RW, Couture RM, Christensen AB, Guerrero JL, Kaste Ø and Barlaup BT*
title:	*Ancillary data on effects of multiple stresses hydropower, acid deposition and climate change on water chemistry and salmon populations in the River Otra, Norway*
year:	*2016*
version (if applicable):	*1*

citation of the metadata:

author(s):	*Wright RW, Couture RM, Christensen AB, Guerrero JL, Kaste Ø and Barlaup BT*
title and journal (name, number, pages):	*Metadata of River Otra, Norway*
year:	*2016*

General data specifications

regional coverage of the dataset:

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

spatial extent (bounding coordinates):

southernmost latitude [°]:	*58.1*
northernmost latitude [°]:	*59.7*
westernmost longitude [°]:	*7.0*
easternmost longitude [°]:	*8.0*
minimum altitude:	*0 metres*
maximum altitude:	*1000 metres*
countries:	*Europe: Norway*

Site specifications

coordinate system/grid data:	*latitude/longitude*
	projected
datum (e.g. WGS84):	*WGS84*
grid data available:	*no*
site coding available:	*no*
number of sites:	*<100*

Climate and environmental data

climate related data:

available per: *per catchment*

available parameters:

daily air temperatures
data source: *met.no*

mean discharge
data source: *Norwegian Water Resources and Energy Directorate*

daily precipitation
data source: *Norwegian Water Resources and Energy Directorate*

environmental data:

available parameters per catchment: *catchment size*
data source: *Norwegian Water Resources and Energy Directorate*

available parameters per catchment: *presence of barriers/dams/reservoirs (fragmentation)*
data source: *Norwegian Water Resources and Energy Directorate*

available parameters per catchment: *hydrological regime/flow regime*
data source: *Norwegian Water Resources and Energy Directorate*

available parameters per site: *river length*
data source: *Norwegian Water Resources and Energy Directorate*

available parameters per site: *distance to source*
data source: *Norwegian Water Resources and Energy Directorate*

available parameters per site: *distance to mouth*
data source: *Norwegian Water Resources and Energy Directorate*

available parameters per site: *altitude*
data source: *Norwegian Water Resources and Energy Directorate*

available parameters per site: *hydrological regime/flow regime*
data source: *Norwegian Water Resources and Energy Directorate*

available parameters per site: *discharge*
data source: *Norwegian Water Resources and Energy Directorate*

physico-chemistry data: *total P, total dissolved P, nitrate, ammonium, sulphate, chloride, sodium, magnesium, labile aluminium, calcium, hardness, alkalinity, TOC (total organic carbon), water temperature, pH, conductivity, suspended solids*

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

stressors influencing the sites:

reference sites available: *no*

stressor	restored sites available	data before/after restoration available	stressor gradient available	comments
hydromorphological degradation	no	no	no	
acidification	no	no	no	
hydrologic stress (e.g. impoundment, flow velocity reduction, hydropeaking, water abstraction, flow velocity increase)	no	no	no	

Other specifications

GIS layers, shapes related to the dataset:

no data available

availability of photos: *yes*

availability of maps: *yes*

quality control procedures:

Were any quality control procedures applied to your dataset?

yes

quality control protocols and comments:

QA/QC of laboratory procedures. Outlier identification for time series of chemical elements.

reference: *T. Larssen, N. Clarke, K. Tørseth, B.L. Skjelkvåle: Prognoses for Future Acidification Recovery of Water, Soils and Forests: Dynamic Modeling of Norwegian Data from ICP Forests. ICP IM and ICP Waters. Norwegian Institute for Water Research, Oslo (2002), p. 38*