



Metadata

European hydrological predictions for the environment (E-HYPE)

SUPPORTED BY



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General information

name of the dataset:

full name of the dataset: *European hydrological predictions for the environment (E-HYPE)*
dataset short name: *E-HYPE*

type of dataset ([more information](#)):

others
specify: *simulated water characteristics*
data type: *point data/observation data, shape files*
short description of the dataset/summary:

E-HYPE is a model application set up to calculate hydrological variables (e.g. runoff, discharge, snow depth, groundwater level) and nutrient variables (e.g. concentrations and loads) for over 35 000 subbasins (median resolution=215 km²) across all of Europe.

science keywords according to [GCMD](#):

topic: *Atmosphere, Biosphere, Climate Indicators, Oceans, Terrestrial Hydrosphere*
keywords: *Hydrology; Climate Scenarios; Discharge; Runoff, Groundwater Level; Nutrient Variables;*

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

Climatology/Meteorology/Atmosphere, Environment, Inland Waters, Oceans

Technical and administrative specifications

data format:	<i>others/specify</i>
others/details:	<i>Web</i>
operating system:	<i>all operating systems</i>
others/details:	<i>Web</i>
data language:	<i>English</i>
current access level:	<i>web (public)</i>
web address (URL):	<i>http://e-hypeweb.smhi.se/</i>
others/details:	<i>http://www.smhi.se</i>
currently available through GBIF :	<i>no</i>
exchange planned:	
update level:	<i>continuously updated, update planned</i>
documentation:	
type:	<i>scientific paper, internal description</i>
language:	<i>English</i>
Do you plan to publish the data on the Freshwater Biodiversity data portal:	
media for data delivery:	<i>online internet (HTTP)</i>
web address:	<i>http://e-hypeweb.smhi.se/</i>
contact details:	
metadata contact person:	
first last name:	<i>Niclas Hjertqvist</i>
institution:	<i>SMHI</i>
postal code, city:	<i>601 76 Norrköping</i>
province, state:	<i>Folkborgsvägen 17</i>
country:	<i>Sweden</i>
web address:	<i>http://www.smhi.se</i>
technical contact person:	
scientific contact person:	
first last name:	<i>Chantal Doornally</i>

Intellectual property rights and citation

(if the database is already published):

dataset creator (data compiler):

contact name: SMHI
contact email: smhi@smhi.se

data contributors to/owners of this dataset:

single

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

The dataset is publicly available (data portal, data archive) and can be used without restrictions, but must be acknowledged and cited correctly.

other/additional criteria:

The data is provided for research and non-commercial use. All use of data should cite SMHI as rights owner by citing one of the publications provided above.

citation of this dataset:

author(s): *Donnelly, C., Dahne, J, Strömqvist, J.and Arheimer, B.*
title: *Modelling Tools: From Sweden to Pan-European Scales for European WFD Data Requirements. Balwois Water Observation and Information System for Decision Support, Ohrid, Macedonia, 25-29 May 2010. IHAS press, accepted*
year: *2010*
version (if applicable): *E-HYPE v2.1*

citation of the metadata:

General data specifications

regional coverage of the dataset:

scale of the dataset:

continental

continents:

Europe

countries:

Europe: Åland Islands, Albania, Andorra, Austria, Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, Denmark, Estonia, Faroe Islands, Finland, France, Germany, Gibraltar, Greece, Guernsey, Hungary, Iceland, Ireland, Isle of Man, Italy, Jersey, Latvia, Liechtenstein, Lithuania, Luxembourg, Macedonia, Malta, Moldova, Monaco, Montenegro, Netherlands, Norway, Poland, Portugal, Romania, Russia, San Marino, Serbia, Slovakia, Slovenia, Spain, Svalbard, Sweden, Switzerland, Ukraine, United Kingdom, Vatican City, Kosovo, Pridnestrovie (Transnistria)

Site specifications

coordinate system/grid data:

Climate and environmental data

climate related data:

available per: *per catchment*
spatial resolution of the data (if not catchment/site related):
others/specify
others: *215 km² (Median subcatchment size, can be larger or smaller)*
available parameters:
mean discharge
comments: *There are long term averages, Modelled time series & maps about the impact of possible future climate change in Europe*

environmental data:

available parameters per catchment: *catchment size*
physico-chemistry data: *total P, total dissolved P, total N*
other physico-chemical parameters:*Organic N*
Inorganic N
Particulate P
comments: *All values are simulated*

Biological data

biological data origin:

organism group addressed:

Sample specifications/sample resolution

Other specifications

GIS layers, shapes related to the dataset:

hydrological information (as HydroSHEDS)
catchments, river-sub-basins
environmental variables (freshwater or terrestrial)
climatic variables (current and predictions)

availability of photos:

no

availability of maps:

yes

quality control procedures: