

# Available data types

## Documented Imports



Please note the new types are added regularly. Most of the imports are Custom made for specific file formats.

Type String	Description	Data Type
<a href="#">ADCON - Telemetrie</a>	ADCON Webservice import (Austria)	scalar
<a href="#">AHD</a>	Austrian Hydro Data (Austria)	scalar
<a href="#">AifsML</a>	Specific ContentReviewer XML type (Australia)	scalar
<a href="#">AifsMLArea</a>	Specific ContentReviewer XML type (Australia)	scalar
<a href="#">AifsMLObservations</a>	Specific ContentReviewer XML type (Australia)	scalar
<a href="#">Aqualarm</a>		
<a href="#">AqualarmRest</a>	Aqualarm import for <a href="https://www.aqualarm.nl/apwb/">https://www.aqualarm.nl/apwb/</a>	scalar
<a href="#">AQUARIUS (AQTS 3.x &amp; AQTS 20xx)</a>	Timeseries and Rating Curve data. AQUARIUS Published Web Service API.	scalar /rating curve
<a href="#">ArcInfoAscii</a>	ArcInfo/Arcview Ascii grid format	grid
<a href="#">Arctic Oscillation</a>		scalar
<a href="#">ArcWat</a>	ArcWat DBF	scalar
<a href="#">AutomatedWeatherStations</a>	AutomatedWeatherStations JSON dat	scalar
<a href="#">AzureIoTHub</a>	Azure IOT Hub import: <a href="https://azure.microsoft.com/en-us/services/iot-hub/">https://azure.microsoft.com/en-us/services/iot-hub/</a>	scalar
<a href="#">Bayern</a>	Level forecasts (ASCII) from Raunheim am Main	scalar
<a href="#">BC2000</a>		scalar
<a href="#">BFG</a>		scalar
<a href="#">BIL</a>		grid
<a href="#">BilBipBsQ</a>	BIL, BIP and BSQ format raster as documented by ESRI	grid
<a href="#">BrazilAna</a>		
<a href="#">BroGIdAddition</a>	BRO GId Addition XML file based import	scalar
<a href="#">BroGIdAdditionServer</a>	BRO GId Addition Server import	scalar
<a href="#">BMADay Import</a>		scalar
<a href="#">BMALatest Import</a>		scalar
<a href="#">BSH-MARNE'T</a>	BSH MARNET	scalar
<a href="#">BUFR</a>	Meteorological data	grid
<a href="#">Environment and Climate Change Canada - Observation Summary Data</a>	Meteorological data	
<a href="#">CapAlerts</a>	Import of Commen Alerting Protocol (CAP) messages	scalar
<a href="#">Campbell Data</a>	Campbell CSV format	scalar
<a href="#">CanadaDFO</a>		scalar
<a href="#">CanadaMeteoWCS</a>		grid
<a href="#">CEMIG</a>		

CERF	Import CERF Ascii grid in CSV format	grid
CHC		
CorpsFlowsheet		scalar
COSMO7 Corrected	Gridded Meteo Swiss COSMO7 Corrected Rainfall Forecasts	grid
Covadem	Import Covadem in json format.	
CovademTrack	Import CovademTrack in json format.	
CovademTrack2	Import CovademTrack2 in json format.	
CPTEC ETA data	Grid import for FEWS ONS project	grid
CroatianHFSResults		scalar
CS3xTidalSurge		scalar
CSV	Simple CSV format	scalar
CWMS import		scalar
Cy Mons Csv		
Database import	Generic database import	only scalar
DataWare		
DDSC		
Delft3D-Flow	Import D3D-Flow point-based results, stored in NEFIS structures	scalar
Delft-FEWS-PI	Delft-FEWS Published Interface XML	scalar
DHI_PRESA		
Digital Delta		
DINO	TNO DINO ASCII files	scalar
DINO Service	SOAP import for GrondWaterService of TNO	scalar
DiverMon	Diver MON ASCII files	scalar
DxOnline		
DSS		scalar
DWD-LM		grid
DWD-LM2		grid
DWD-GME		grid
EA XML	Environment Agency format	scalar
EARS_Satellite_Rainfall_Estimate	EARS Satellite Rainfall Image	grid
EasyQ	Easy Q format	scalar
EDStranmission		scalar
EEX	Electricity proces (Switzerland)	scalar
EHDCCImport		scalar
EFAS SOS	EFAS SOS XML-file based import	scalar
EFAS SOS Server	EFAS SOS Server-based xml import	scalar
EKSW	Swiss Meteo Data (Switzerland)	scalar
EKSW2005	Swiss Meteo Data (Switzerland)	scalar
EnviromonCsv		
Era15		scalar
EVN		scalar

<a href="#">FewsDatabase</a>		scalar/grid
FOC	SEPA format	scalar
<a href="#">General Csv</a>	configurable csv import	scalar
<a href="#">Geotiff</a>	Geospatial tiff image import	grid
GermanSnow		grid
GHD		scalar
<a href="#">GOES</a>	GOES (LRGS) format files	scalar
<a href="#">GOES_server</a>		scalar
GPM	Global Precipitation Measurement ( <a href="#">NASA</a> )	grid
GSMAP	Global Rainfall Watch ( <a href="#">JAXA</a> )	grid
GRADS	GRADS binary file	grid
<a href="#">GrayscaleImage</a>		grid
<a href="#">GRIB1</a>	grib1 format used by meteorological institutes	grid
<a href="#">GRIB2</a>	grib2 format used by meteorological institutes	grid
<a href="#">GRIB</a>	grib1 format used by meteorological institutes	grid
GRIB2_UKV	UKV grib2 format used by JBA Consulting	grid
<del>GRIBBASIC</del>	Deprecated. Use GRIB1 instead.	grid
<del>GRIBCOSMO</del>	Deprecated. Use GRIB1 instead.	grid
<a href="#">GSOD</a>	Global Surface Summary Of Day Data	scalar
<a href="#">HCS</a>	Exchange format used by the Australian Bureau of Meteorology	scalar
<a href="#">hdf4</a>	(not yet available on Linux)	grid
hdfSoilMoisture		grid
<a href="#">HecDss</a>	<a href="http://www.hec.usace.army.mil/software/hec-dss/">http://www.hec.usace.army.mil/software/hec-dss/</a>	scalar
<a href="#">Hessen</a>	Level forecasts (ASCII) from Mosel and Lahn	scalar
<a href="#">HHZZ</a>	Manual Rain and River Observations in HHZZ format	Scalar
<a href="#">HidroInformatica import</a>	Imports data from <a href="https://hidroinformatica.itaipu.gov.py/services/hidrometricaestacion/2019-07-01/2019-09-01/5/?format=json">https://hidroinformatica.itaipu.gov.py/services/hidrometricaestacion/2019-07-01/2019-09-01/5/?format=json</a> .	scalar
Hims		scalar
<a href="#">HVZ-LILA</a>	German Hydro data LILA format (Germany)	scalar
<a href="#">HYCOM_netcdf</a>	NetCDF grid data from HYCOM operational ocean forecast feed	grid
<a href="#">HYDAMS-XML</a>	Austrian Hydro Data (Austria)	scalar
Hydris		scalar
<a href="#">HydroQuebecPRN</a>	Flow for 3 Quebec locations	scalar
<a href="#">HymosAscii</a>	OTT	scalar
<a href="#">HYMOS</a>	HYMOS Transfer database	scalar
<a href="#">IFKIS</a>		scalar
<a href="#">iHistorian</a>	GE Proficy iHistorian	scalar
<a href="#">IJGKlepstanden</a>	Import for IJsselmeer Klepstanden	scalar
<a href="#">ItaipuBDH</a>		scalar
<a href="#">ItaipuForecast</a>		scalar
<a href="#">Itaipu Observed Raw data</a>		scalar

Itaipu schedule		scalar
iMod IDF	binary import for IDF	grid
iMod IPF	binary import for IPF	scalar
IOCSaLevelMonitoring		
IP1	CSV type import for FEWS-Basque	scalar
JTWC	Imports hurricane track time series data from Japan Typhoon Warning Center	scalar
Keller IDC	Keller IDC	scalar
KNMI		scalar
KNMI CSV	KNMI CSV files, one column with data	scalar
KNMI EPS	KNMI Ensemble files	scalar
KNMI-HDF5	KNMI radar files (not yet available on Linux)	grid
KNMI-HDF5-RADAR-NOWCAST	KNMI radar nowcast files (not yet available on Linux)	grid
KNMI IRIS	KNMI IRIS files (daily values)	scalar
KNMI SYNOP	KNMI SYNOPS files (hourly values)	scalar
Landsat HDF5	Landsat data files	grid
LMW	Direct connection to "Landelijk Meetnet Water"	scalar
LMW Hy3m		scalar
LMW KNMI CSV		scalar
LMW Lixhe		scalar
LMW UKMO		scalar
LMW Wallonie		scalar
LMW Weatherdata		scalar
LocationIdsHeaderCsv	CSV file where first row contains the location ids. Data time pattern, decimal and column separator can be configured in the import	scalar
LUBW		scalar
Madden-Julian oscillation		scalar
Matroos NetCDF	NetCDF files from MATROOS database	grid
MATROOS_NETCDF-CF_GRID	Downloads nc file from Matroos and reads the downloaded file using import type NETCDF-CF_GRID	grid
MATROOS_NETCDF-CF_TIMESERIES	Downloads nc file from Matroos and reads the downloaded file using import type NETCDF-CF_TIMESERIES	scalar
McdasArea		grid
MeteoFranceAscii		scalar
MeteoFranceArome	Import NWP forecasts (grb) from AROME model by Meteo-France	grid
MetOfficeWW3	Met Office WAVEWATCH III wave model hindcast data	scalar
MinerveJson	Import JSON files in the Minerve format	scalar
MIS		scalar
MM3P	Metasphere Import Files (CSV style files)	scalar
Modis	Images from the MODIS satellites	grid
Mosaic		grid
Msw	MSW (mfps) csv files, with observed levels and flows in Rijn and Maas	scalar
Mosm		scalar

MultiflexMeter	Multiflex Meter Service Import: <a href="https://www.multiflexmeter.nl/">https://www.multiflexmeter.nl/</a>	scalar
NETCDF-CF_GRID	Import module to import grid data from NetCDF files	grid
NETCDF-CF_GRID_REFERENCES	As above, imports file reference only, leaves bulk data on file system	grid
NETCDF-CF_GRID_S3	Import grids from nc files stored in S3 buckets.	grid
NETCDF-CF_PROFILE	Import module to import longitudinal profile data from NetCDF files	profile
NETCDF-CF_TIMESERIES	Import module to import timeseries data from NetCDF files	scalar
NETCDF-TIDAL_TIMESERIES	Import module to import tidal timeseries data from NetCDF files, including wave numbers	scalar
NETCDF-CF_TRAJECTORY	Import module to import track timeseries data from NetCDF files (since 2016.02)	scalar
NETCDF_STF_SCALAR	NetCDF export used for RPP and SWIFT CSIRO models	scalar
<del>NetcdfGridDataset</del>	<p>Deprecated. For netcdf use "NETCDF-CF_GRID" instead. For grib use "GRIB1" or "GRIB2" instead.</p> <p>Only use "NetcdfGridDataset" for grid NetCDF files that contain ensembles or qualifiers or for grid NetCDF files that are not compliant with the NetCDF CF conventions.</p>	grid
NetCDFStorageLatestForecastGrid	Imports the latest forecast from a THREDDS-server. A file pattern is used to determine the date/time of the file from the file name.	grid
NetCDFStorageLatestForecastScalar	Imports the latest forecast from a THREDDS-server. A file pattern is used to determine the date/time of the file from the file name.	scalar
Nimrod		grid
NimrodMultipleDir		grid
NOOS	NOOS data stored in the Matroos database	scalar
NTUQUARTER Import	NTU datalogger csv like files, multiple columns	scalar
NTURAIN Import	NTU datalogger csv like files	scalar
Obserview		scalar
OttawaRiverRegulation Import	Imports OttawaRiverRegulationPlanningBoardSHT time series.	
PI_Server	Imports scalar data from a PI Webservice	scalar
PI_Server_Aveva	Imports scalar data from AVEVA PI Web API	scalar
PDO Climate index		scalar
Pegelonline	Pegelonline ASCII time series files	scalar
PMDSynoptic		scalar
PMDTelemetric		scalar
Obserview	Obserview ASCII format	scalar
Office of Public Works (OPW) API		
ONS-Synoptic		scalar
ONSSoap Import		scalar
ONSWebService		scalar
OFSDE	Real time data from the IHFS database	scalar
OSHDAsciiGrid	Operational Snow-Hydrological service (OSHD) ascii grid files (.ASC) with additional metadata files (.META)	grid
PDO Climate index		
Pegelonline		
Pi Diagnostics		
Radolan	Radar data from DWD-Hydrometeorologie	grid

RijnlandRTD		scalar
RotterdamPort		scalar
SENAMHI		
SHD	Swiss Hydro Data ASCII files	scalar
SHEF	Standard Hydrometeorological Exchange Format	scalar
SingaporeLDS	Singapore OMS Lake Diagnostic System files	scalar
SingaporeNEA	Singapore NEA realtime weather data	scalar
SMA		scalar
SMAecmwf		scalar
SSE	Scottish & Southern Electric ASCII files	scalar
SWAN ascii spectra import	Imports spectral time series for point locations from SWAN ascii files	spectra
SWE	Imports timeseries from a Sensor Web Enabled service	scalar
SwissRadar	Interpolated Swiss Radar rainfall time series	scalar
Synop		scalar
TAHMO		
TmxCSV	TMX CSV export files	scalar
TTRR		scalar
Tva Daily Water View Csv		scalar
Tva Hourly Water View Csv		scalar
Tva Kentucky Barkley		scalar
Tva Transaction		scalar
UkEaBwq	UK EA Bathing Water Quality	
UmAquo	UM Aquo metingen. Import from CSV or XML	scalar
URA		
UruguayHydroEstimator	Hydro-Estimator files	grid
UsgsTwis		scalar
UVF	Universelles Variables Format	scalar
UY-Ana import		scalar
Uy-Dinagua import		scalar
Uy-Salto import		scalar
UyUte Conventional		scalar
Uy-Ute Telemetric		scalar
VegaAir	Vega-Air server import	scalar
Vigicrues Web	Vigicrues Server Import	scalar
VQJA	Swiss Meteo Data (Switzerland)	scalar
WapdaTelemetric		scalar
WaterML2Import	WaterML 2.0 Timeseries import	scalar
WaterqualityApp		
WDSS2 SparseLatLonGrid		
Wiski ZRXP	Wiski ZRXP format	scalar
WiskiService	Wiski service format	scalar

WIWB	WIWB	scalar and grid
WmoBufrAscii		
WQCSV	Water Quality csv file	sample
WRFGrads	Imports grid data from WRF Grads file formats	grid
WSCC Csv	Imports csv type time series data from the Woodleigh System Control Centre in Singapore	scalar
Wsd		scalar
YacretalImport	Data is imported from <a href="https://alerta.ina.gob.ar/pub/mapa">https://alerta.ina.gob.ar/pub/mapa</a> .	scalar
ZhiTian parser		grid

## Documented Imports

- [ADCON](#)
- [AHD - Austrian Hydro Data](#)
- [AifsML](#)
- [AifsMLArea](#)
- [AifsMLHazard](#)
- [AifsMLObservations](#)
- [Akvo](#)
- [Aqualarm](#)
- [AqualarmRest](#)
- [AQUARIUS](#)
- [ArcInfoAscii](#) — Imports time series data (grids) ArcInfoAscii files.
- [Arctic Oscillation](#)
- [ArcWat](#)
- [AutomatedWeatherStations](#)
- [AzureIoTHub](#) — Imports scalar data from iot devices connected to the Azure IOT Hub: <https://azure.microsoft.com/en-us/services/iot-hub/>
- [Bayern](#) — Imports ASCII type time series data (level forecasts) from Bayern, location Raunheim am Main.
- [BIL BIP BSQ Parser](#)
- [BIL Import](#)
- [BMADay Import](#)
- [BMALatest Import](#)
- [BrazilAna](#)
- [BroGldAddition](#)
- [BroGldAdditionServer](#)
- [BSH-MARNET](#)
- [BUFR](#)
- [Campbell Data](#)
- [CanadaDFO](#)
- [CanadaMeteoWCS](#)
- [CAP Alerts](#)
- [CEMIG](#)
- [CERF](#) — Imports ASCII type GRID data in Comma Separated Value (CSV) format from CERF model.
- [CHC](#)
- [CMEMS](#) — Imports grid data from CMEMS
- [CorpsFlowsheet](#)
- [COSMO7 Corrected](#)
- [Covadem](#)
- [CovademTrack](#)
- [CovademTrack2](#)
- [CPTEC ETA data](#)
- [CroatianHFSResults](#)
- [CS3xTidalSurge](#)
- [CSV](#)
- [CWMS import](#)
- [Cy Mons Csv](#)
- [Database import](#)
- [DataWare](#)
- [DDSC](#)
- [Delft3D-Flow](#)
- [Delft-Fews Published Interface timeseries Format \(PI\) Import](#)
- [DHI\\_PRESA](#)
- [Digital Delta](#)
- [DINO](#)
- [DINO Service](#)
- [DIVER MON](#)
- [DxOnline](#)
- [EARS Satellite Rainfall Image](#)
- [EasyQ](#)

- [EA XML -EOL](#)
- [EDSHydrothermal](#)
- [EDStranmission](#)
- [EEX](#)
- [EFAS SOS](#)
- [EFAS SOS Server](#)
- [EHDCCLmport](#)
- [EKSW 2005](#)
- [EnviromonCsv](#)
- [Environment and Climate Change Canada - Observation Summary Data](#)
- [Farm21](#)
- [FewsDatabase Import](#)
- [General Csv](#)
- [Geotiff](#)
- [GermanSnow](#)
- [GOES](#)
- [GOES server](#)
- [Gray Scale Image](#)
- [GRIB1](#) — Imports grid time series data from grib1 format used by meteorological institutes.
- [GRIB2](#) — Imports grid time series data from grib2 format used by meteorological institutes.
- [GSOD](#)
- [HCS](#) — Imports ASCII type time series data from the Australian Bureau of Meteorology
- [hdf4](#) — Imports time series data stored in the HDF4 file format.
- [HecDss](#)
- [Hessen](#) — Imports CSV kind of type time series data (discharge forecasts) from Hessen and RheinlandPfalz, location Cochem and Trier (Mosel), Kalkofen (Lahn) and Dietersheim and Grolsheim (Nahe).
- [HHZZ](#)
- [HidroInformatica import](#)
- [HVZ-LILA](#)
- [HYCOM\\_netcdf](#)
- [HYDAMS-XML: Austrian Hydro Data](#)
- [HydroQuebecPRN](#)
- [HYMOS](#)
- [HymosAscii](#)
- [IFKIS](#) — Imports time series data from tabular ASCII formatted file
- [IJGKlepstanden](#) — Import for IJsselmeer Klepstanden
- [iModIDF](#) — Imports coverage data from iMOD IDF files.
- [iModIPF](#) — Imports scalar data from iMOD IPF files.
- [IOCSeaLevelMonitoring](#)
- [IP1](#) — Imports ASCII type time series data from CSV formatted files.
- [ItaipuBDH](#)
- [ItaipuForecast](#)
- [Itaipu Observed Raw data](#)
- [Itaipu schedule](#)
- [JTWC](#) — Imports hurricane track time series data from Joint Typhoon Warning Center
- [Keller IDC](#) — Imports time series data stored in Keller IDC files.
- [KNMI CSV](#)
- [KNMI EPS](#)
- [KNMI HDF5](#)
- [KNMI IRIS](#)
- [KNMI SYNOP](#)
- [Landsat-HDF5](#)
- [LMW](#)
- [LMW Hy3m](#)
- [LMW KNMI CSV](#)
- [LMW Lixhe](#)
- [LMW UKMO](#)
- [LMW Wallonie](#)
- [LMW Weatherdata](#)
- [LocationIdsHeaderCsv](#)
- [LUBW](#) — Imports ASCII type time series data from the Landes Umwelt Baden Wurtenberg Forecasting center in Germany
- [Madden-Julian oscillation](#)
- [Matroos NetCDF](#) — Imports NetCDF type gridded time series data from MATROOS Forecast databases
- [MclDasArea](#)
- [MeteoFranceArome](#) — Import NWP forecasts (grb) from AROME model by Meteo-France
- [MetOfficeWW3](#)
- [MinerveJson](#)
- [MIS](#)
- [MM3P](#)
- [Msw](#)
- [MultiflexMeter](#)
- [Munisense import](#)
- [NETCDF-CF\\_GRID](#) — Imports grid data from NetCDF-CF file formats
- [NETCDF-CF\\_GRID\\_S3](#)
- [NETCDF-CF\\_PROFILE](#) — Imports profile data from NetCDF-CF file formats
- [NETCDF-CF\\_TIMESERIES](#) — Imports timeseries data from NetCDF-CF files
- [NETCDF-CF\\_TRAJECTORY](#) — Imports timeseries data from NetCDF-CF files.
- [NetcdfGridDataset](#) — Import type NetcdfGridDataset is deprecated. For netcdf use NETCDF-CF\_GRID instead. For grib use GRIB1 or GRIB2 instead.



- [NetCDFStorageLatestForecastGrid](#)
- [NetcdfStorageLatestForecastScalar](#)
- [NETCDF-TIDAL\\_TIMESERIES Import](#) — Imports timeseries data from NetCDF-CF files
- [NOOS](#) — Imports NOOS type time series data from MATROOS Forecast databases
- [NTUQUARTER Import](#)
- [NTURAIN Import](#)
- [Obscape Import](#)
- [Observeview](#)
- [Office of Public Works \(OPW\) API](#)
- [ONSSoap Import](#)
- [ONS-Synoptic](#)
- [ONSWebService](#)
- [OSHDAsciiGrid](#)
- [OttawaRiverRegulation Import](#)
- [PDO Climate index](#)
- [Pegelonline](#) — Imports time series provided by Pegelonline
- [PI AVEVA](#)
- [Pi Diagnostics](#)
- [Pi Map Stack format](#)
- [PI Webservice Import](#)
- [Proficy iHistorian](#)
- [Radolan](#) — Imports radar data from DWD-Hydrometeorologie.
- [RotterdamPort](#)
- [SENAMHI import](#)
- [Sencrop](#)
- [SHD - Swiss Hydro Data](#)
- [SHEF - Standard Hydrometeorological Exchange Format](#)
- [SingaporeNEA Import](#)
- [Singapore OMS Lake Diagnostic System files](#)
- [SkyGeo](#)
- [SSE](#)
- [SWAN ascii spectra import](#) — Imports spectral time series for point locations from SWAN ascii files.
- [SWE](#)
- [Swiss Radar](#)
- [Synop](#)
- [TAHMO import](#)
- [TMX](#)
- [Tva Daily Water View Csv](#)
- [Tva Hourly Water View Csv](#)
- [Tva Kentucky Barkley](#)
- [Tva Transaction](#)
- [UK EA Bathing Water Quality Import](#)
- [UmAquo](#)
- [URA](#)
- [UruguayHydroEstimator](#)
- [UsgsTwis](#)
- [UY-Ana import](#)
- [Uy-Dinagua import](#)
- [Uy-Salto import](#)
- [UyUte Conventional](#)
- [Uy-Ute Telemetric](#)
- [VegaAir](#)
- [Vigicruces Web](#)
- [VQJA Swiss Meteo Data](#)
- [WaterML2Import](#)
- [WaterqualityApp](#)
- [WDSS2 SparseLatLonGrid](#)
- [WiskiService](#)
- [Wiski ZRXP](#)
- [Wispcloud csv parser](#)
- [WIWB](#) — Imports scalar and grid data from the Hydronet WIWB api: <https://wiwb.hydronet.com/api> <https://wiwb.hydronet.com/api>
- [wml2\\_kiwis](#)
- [WmoBufrAscii](#)
- [WQCSV](#) — Imports csv type time series data from some dutch Water Quality Laboratoria
- [WRFGrads](#) — Imports grid data from WRF Grads file formats
- [WSCC csv](#) — Imports csv type time series data from the Woodleigh System Control Centre in Singapore
- [YacyretalImport](#)
- [ZhiTian parser](#)