

External Portals

Here you can find a list of the major data portals, categorized on different themes. **This list is a collective effort, please add portals that you think are important!**

For questions and information, mail to deltaresdataportal@deltares.nl.

Climate and Weather

Elevation

Satellite Imagery

Marine

Geology

General (National or Regional) Data Portals

Climate and Weather

Name	Area	Description
Weather Underground	World	Weather conditions world wide (measurements). <i>Note: Includes unvalidated personal weather stations.</i>
KNMI Data Centre	Netherlands	The KNMI Data Centre (KDC) provides access to weather, climate and seismological datasets of KNMI.
Copernicus climate	World, Europe	The Copernicus Climate Change Service (C3S) will combine observations of the climate system with the latest science to develop authoritative, quality-assured information about the past, current and future states of the climate in Europe and worldwide. <i>Note: service is development / pre-operational</i>
Copernicus atmosphere	World, Europe	The Copernicus Atmosphere Monitoring Service (CAMS) provides data on the composition of the atmosphere and solar radiation.
Climatic Research Unit (CRU)	World	Past climate history and climate change.
MERRA - NASA	World	MERRA is a NASA reanalysis for the satellite era using a major new version of the Goddard Earth Observing System Data Assimilation System Version 5 (GEOS-5). The Project focuses on historical analyses of the hydrological cycle on a broad range of weather and climate time scales and places the NASA EOS suite of observations in a climate context.
ECMWF	World	The European Centre for Medium-Range Weather Forecasts (ECMWF) is an independent intergovernmental organisation supported by 34 states. Provides forecasts, climate reanalysis and atmospheric composition.
Met Office - Hadley Centre	World	Researchers at the Met Office Hadley Centre produce and maintain a range of gridded datasets of meteorological variables for use in climate monitoring and climate modelling. This site provides access to these datasets for bona fide scientific research and personal usage only .
IPCC Data Centre	World	The DDC provides climate, socio-economic and environmental data, both from the past and also in scenarios projected into the future.
NCAR /UCAR	World	Contains a large collection of meteorological and oceanographic observations, operational and reanalysis model outputs, and remote sensing datasets.
earth2observe	World	Contains hydrometeorological data of 10 global hydrological models including forcing data for a period of 34 year. Also includes a large amount of EO data including soil moisture, precipitation etc. The data is also mirrored at the p-disk at: p:\earth2observe_data

Elevation

Name	Area	Description
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ASTER and SRTM data	World	Portal for downloading ASTER and SRTM Global Digital Elevation Model (DEM) data. Free data, but registration required.
AHN1 and AHN2	Nether lands	Instructions and links to download and visualize the detailed Dutch digital elevation model.
ALOS World 3D	World	Global DEM with a 5 m resolution created by the Japanese Advanced Land Observing Satellite (ALOS); unfortunately, not for free.
ALOS World 3D - 30m	World	Global DEM with a 30 m pixel resolution and 5m vertical accuracy created by the Japanese Advanced Land Observing Satellite (ALOS); fortunately, it is free.
Copernicus Land	World, Europe	Includes digital elevation model of Europe and various 'land' data geospatial datasets.
Viewfinder panoramas dem3	World	Void filled and 'cleaned-up' global elevation data based on SRTM; particular improvements in some mountain regions
MERIT DEM	World	The MERIT DEM was developed by removing multiple error components (absolute bias, stripe noise, speckle noise, and tree height bias) from the existing spaceborne DEMs (SRTM3 v2.1 and AW3D-30m v1). It represents the terrain elevations at a 3sec resolution (~90m at the equator), and covers land areas between 90N-60S, referenced to EGM96 geoid.

Satellite Imagery

Name	Area	Description
NASA Worldview Earthdata	World	Fast and user friendly satellite web application that allows you to interactively browse global satellite imagery within hours of it being acquired.
Satellietdataportaai	Nether lands	Satellite data from various instruments of multiple satellites, free registration required.
Earth Explorer	World	Multiple global satellite datasets, from multiple instruments (e.g. MODIS, Landsat, ASTER, SRTM). Free registration required.
Earth Engine	World	Google Earth Engine brings satellite imagery online with tools to mine this data to detect changes, map trends and quantify differences on the Earth's surface
Sentinel Data Hub	World	The Sentinel Data Hub is a web based system designed to provide EO data users with distributed mirror archives and bulk dissemination capabilities for the Sentinels products.
Sentinel Data Access Service (SEDAS)	World	Useful Sentinel data portal by UK Space Agency. Registration required.
LSA SAF	World	The scope of Land Surface Analysis Satellite Applications Facility (LSA SAF) is to increase benefit from EUMETSAT Satellites (MSG and EPS) data related to: Land, Land-Atmosphere interaction and Biospheric Applications. The LSA SAF performs: R&D Programs and Operational Activities (Generation of land surface products, Archiving long time series and Dissemination to users)
Comprehensive Large Array-data Stewardship System - NOAA	World	The Comprehensive Large Array-data Stewardship System (CLASS) is an electronic library of NOAA environmental data. This web site provides capabilities for finding and obtaining those data. CLASS is NOAA's premiere on-line facility for the distribution of NOAA and US Department of Defense (DoD) Polar-orbiting Operational Environmental Satellite (POES) data, NOAA's Geostationary Operational Environmental Satellite (GOES) data, and derived data.
Landsat-8 tile selector	World	Libra is a browser for open Landsat 8 satellite imagery. Use it to browse, filter, sort, and download images.
Satellite imagery - vito	World	A product distribution portal containing various types of satellite imagery: free satellite imagery, commercial satellite imagery, derived products and APEX.
TRMM near-real time satellite based rainfall	World	ftp server with near-real time satellite based rainfall.
GSMaP research and NRT products (MVK+ known to perform excellent over the Zambezi in Southern Africa)	World	Users can download surface rainfall products of the GSMaP Standard (post-processing, 1998-2006) version here!

GRACE Tellus	World	GRACE TELLUS provides user-friendly Level-3 data grids of monthly surface mass changes , with most geophysical corrections applied, to analyze changes in the mass of the Earth's hydrologic, cryospheric, and oceanographic components.
CU GRACE	World	This website allows visitors to perform basic data analysis on publicly available Level-2 GRACE data. Computations are performed in real-time, producing downloadable maps or time series.

Marine

Name	Area	Description
EMODnet Central Portal	Europe	EMODnet: European Marine Observation and Data network. This is the central web page containing all EMODnet portals. The portal categories are: bathymetry, geology, seabed habitats, chemistry, biology, physics, human activities, and coastal mapping.
EMODnet Bathymetry Viewer	Europe	A web viewer application to EMODnet bathymetry data.
EMODnet Bathymetry	Europe	EMODnet: European Marine Observation and Data network. Bathymetry, coastlines, and geographical location of underwater features: wrecks.
EMODnet Geology	Europe	Seabed substrate, sea-floor geology, coastal behaviour, geological events and probabilities, and minerals.
EMODnet Seabed	Europe	Modelled seabed habitats based on seabed substrate, energy , biological zone, and salinity.
EMODnet Chemistry	Europe	The concentrations of chemicals (pesticides, heavy metals, antifoulants) in water, sediments and biota.
EMODnet Biology	Europe	Temporal and spatial distribution of species abundance and biomass from several taxa.
EMODnet Physics	Europe	Salinity, temperature, waves, currents, sea-level, light attenuation, and FerryBoxes.
EMODnet Human Act.	Europe	The intensity and spatial extent of human activities at sea
US Ocean Data	United States	The place to search for data on US marine, coastal, and Great Lakes environments.
MATROOS	North Sea	MATROOS (Multifunctional Access Tool foR Operational Oceandata Services): recent and historical model and monitoring data relevant to storm surge forecasts
SeaDataNet	Europe	SeaDataNet infrastructure links oceanographic data centres and marine data centres from 35 countries riparian to all European seas.
OBIS	World	OBIS (Ocean Biogeographic Information System) allows users to search marine species datasets from all of the world's oceans.
NDBC	World	NDBC (National Data Buoy Center): get wave measurements for model input & calibration
Coastdat	North Sea	wind, wave, current and water level data of the North Sea (hindcast database)
ICES	World	ICES Oceanographic
CMEMS	World	Copernicus Marine Environment Monitoring Service (CMEMS)

Marine Geoscience Data System	World	The Marine Geoscience Data System (MGDS) provides a suite of tools and services to marine geoscience research data acquired throughout global oceans and continental margins
Informatiehuis Marien	Netherlands	There's a lot of background data to find information about the different projects and reports. The basic data of some of these projects are now gradually unlocked through this viewer of the IHM. This first step is opened up a selection of the basic data of wind projects and Environmental compensation Maasvlakte. In the future, data from other projects and parties will be available on this site. However, the data remain at the source !!! All basic data are provided with a link in this is to see where the basic data are and who is the administrator.
Schelde Monitor	Netherlands-Belgium	ScheldeMonitor is a Flemish-Dutch information portal for research and monitoring in the Scheldt estuary and offers an overview of the research landscape and an extensive literature collection. On top of that, it also includes measurement information and data products from various data sources.
Cefas Data Hub	United Kingdom	Cefas is a world leader in marine science and research. In support of our commitment to open data access and open science, we have information on 1972 data holdings, with 5499 data sets available for download.
Plymouth Marine Laboratory (PML)	World	Against a backdrop of global change and for the benefit of society, our objective is to develop and apply world-leading, integrated marine science towards the sustainable future of the ocean.

Geology

Name	Area	Description
OneGeology Portal	World	OneGeology is an international initiative of the geological surveys of the world to create a dynamic digital geological map data for the world.
DINO Ondergrondmodellen	Netherlands	The 'DINOloket Ondergrondmodellen' contains a viewer where you can visualize and access data from the DGM, REGIS and GeoTOP geological models.
DINO Ondergrondgegevens	Netherlands	Contains an extensive collection of soil and groundwater samples.
EarthChem	World	This web site gives you access to data systems and services for geochemical, geochronological, and petrological data.
National Oceanic and Atmospheric Administration (NOAA)	United States	NCEI is responsible for hosting and providing access to one of the most significant archives on Earth, with comprehensive oceanic, atmospheric, and geophysical data. From the depths of the ocean to the surface of the sun and from million-year-old sediment records to near real-time satellite images, NCEI is the Nation's leading authority for environmental information.
Soil Grids	World	SoilGrids is an automated system for global soil mapping based on the machine learning and global soil profile data collections. All predictions are based on fitting global spatial prediction models (per variable). For more info see the SoilGrids home page .

General (national or regional) Data Portals

Name	Area	Description
Nationaal Georegister	Netherlands	Dutch national spatial data catalogue
NEDData Hub	Netherlands	Dutch open data portal, including historical data.
Data.gov.uk	United Kingdom	UK national data portal
Data.gov	United States	US national data portal
gob.es	Spain	ES national data portal
ign.es	Spain	Spanish national geographic data portal. Includes high resolution DEMs.

INSPIRE Geoportal	Europe	INSPIRE (Infrastructure for Spatial Information in the European Community) contains European spatial data that may have an impact on the environment.
European Environment Agency	Europe	Large collection of European environmental datasets
Atlas Leefomgeving	Netherlands	Contains maps with information over health aspects of the (Dutch) environment
Atlas Natuurlijk Kapitaal	Netherlands	Maps with information about the services that the natural environment delivers, such as forest, food, energy sources.
OpenGeoCode.org	World	Extensive list of Open Data Portals, containing e.g. census/demographics, climate, health, education, commerce, agriculture /food portals.
Environmental Information Platform	World	Dataportal of the Centre for Ecology & Hydrology. Includes WATCH Forcing data .
European Data Portal	Europe	The European Data Portal harvests metadata of Public Sector Information available on public data portals across European countries.
SWITCH-ON	Europe	SWITCH-ON (Sharing Water-related Information to Tackle Changes in the Hydrosphere for Operational Needs) explores the potential of Open Data for water security and management.
re3data.org	World	re3data is a global registry that covers research data repositories from different academic disciplines
Rijkswaterstaat Geodata	Netherlands	Direct download of many important Dutch geodatasets, such as Top10, (vaar)wegen, AHN, DTB, coastal maps, vegetation.
Rijkswaterstaat GeoWeb Catalogus	Netherlands	A variety of (Dutch) national and regional based geological maps.
Water Kwaliteits Portaal	Netherlands	The Water Quality Portal (WKP) collects, manages and onsluit data for the Water Framework Directive (WFD) and makes it possible to present a consistent image of the Dutch water quality. In addition, their surface water quality data administrators each year as part of the National Water Quality Survey in the Import WKP.
Fresh Water Metadata	Europe	Information on existing freshwater datasets is indispensable for ensuring its discovery and (re)use, e.g. in large scale analyses. The metadatabase on freshwater related datasets was built as part of the EU BioFresh project to centralise such information and provide free and universal access to it
Watergegevens RWS	Netherlands	Projected and historical measurement data on water quality and water quantity. These can be viewed on a map, and then displays them in a table or graph. You can also save the data or printing. The measured data on water quality going back up to 15 years. The measured data on water quantity go up to 28 days back. Expectations go up to 2 days ahead.
Water Info RWS Waterhoogte	Netherlands	Overview of the water levels in the Netherlands measured by Rijkswaterstaat. You can view the history and predicted water levels at a given point by clicking on this measuring point.
Flusshydrologischer Webdienst - Bundesanstalt für Gewässerkunde	Germany	The FLYS system is an instrument of the BfG (Germany) for processing model results against the background of measurement data. The tool interpolates between the results, visualizes and interprets together with further information and so compiles the appropriate sections: Measurement and model, federal and district data, historical and current, geodetic, hydrological and morphological data.
United States Geological Survey	United States	The types of data collected are varied, but generally fit into the broad categories of surface water and groundwater. Surface-water data, such as gage height (stage) and streamflow (discharge), are collected at major rivers, lakes, and reservoirs. Groundwater data, such as water level, are collected at wells and springs.
River Gages	United States	The data contained herein is preliminary in nature and therefore subject to change. The data is for general information purposes ONLY and SHALL NOT be used in technical applications such as, but not limited to, studies or designs. All critical data should be obtained from and verified by the United States Army Corps of Engineers. The United States Government assumes no liability for the completeness or accuracy of the data contained herein and any use of such data inconsistent with this disclaimer shall be solely at the risk of the user.
U.S. Geological Survey	United States	Real-time or near real-time data and information on current conditions and earth observations about water, remote sensing and landsat, volcanoes, and landslides.
Geo Dataportaal van Provincie Limburg	Netherlands (Regional)	This Geo Data Portal provides the necessary current geographic files in a user-friendly, future-oriented, open form available to particular other authorities, water boards and engineering firms. These files can be edited and processed in their own GIS environment.

Nederlands Hydrologisch Instrumentarium (NHI)	Netherlands	Dutch Hydrological Instrumentation (NHI) is the toolbox of software and data for the development of groundwater and surface models on a national and regional scale. Within NHI will work towards open data and software. This portal has begun with the opening of data and data NHI can be viewed and downloaded.
Geoweb Rijkswaterstaat	Netherlands	GeoWeb is a Web GIS with geo-information multiple, distributed sources quickly and be easily combined. Thereby GeoWeb is used to transparently and accessible manner geo-information to draw a wider audience available.
Publieke Dienstverlening Op de Kaart (PDOK)	Netherlands	PDOK enables users to access digital geographical data via official PDOK webservice. About 250 web services (aimed at digital mapping) are available to the general public, private companies, organisations and the public sector. The use of PDOK is for free. This website explains how to use PDOK products and services.
Geopunt.be	Belgium	Geopunt is de centrale toegangspoort tot geografische overheidsinformatie. Het geoportaal maakt geografische informatie toegankelijk voor overheidsinstanties, burgers, organisaties en bedrijven.
Florida Department of Environmental Protection Geospatial Open Data	United States	Supporting the agency's vision of creating strong community partnerships, safeguarding Florida's natural resources and enhancing its ecosystems. Includes spatial and raster datasets, tables, and documents.