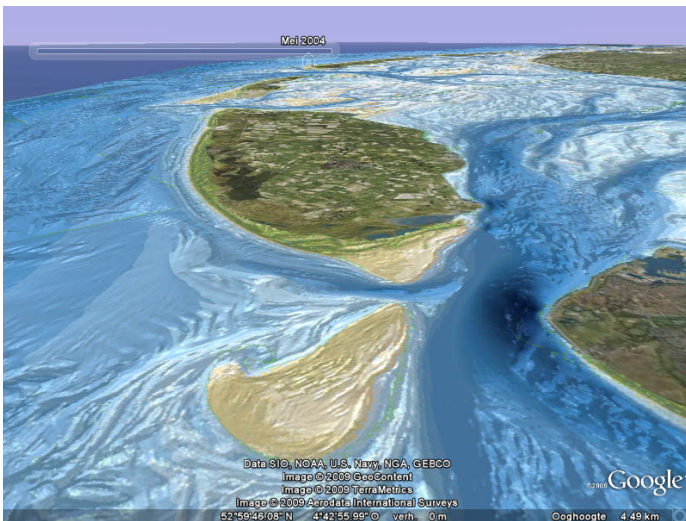


OpenEarth

What is OpenEarth?

OpenEarth is a free and open source initiative to deal with [Data](#), [Models](#) and [Tools](#) in earth science & engineering projects, currently mainly marine & coastal. In current practice, research, consultancy and construction projects commonly spend a significant part of their budget to setup some basic infrastructure for data and knowledge management. Most of these efforts disappear again once the project is finished. As an alternative to these ad-hoc approaches, OpenEarth aims for a more continuous approach to data & knowledge management. It provides a platform to archive, host and disseminate high quality data, state-of-the-art model systems and well-tested tools for practical analysis. Through this project-superseding approach, marine & coastal engineers and scientists can learn from experiences in previous projects and each other. This may lead to considerable efficiency gains, both in terms of budget and time. The following papers describe the OpenEarth approach in more detail: [Terra et Aqua, 2013](#), [NCK 2012](#) & [WODCON 2010](#).

Within the OpenEarth community two types of users can be distinguished: 1) [#OpenEarth](#) users and 2) [#OpenEarth](#) developers.



OpenEarth users

OpenEarth users are particularly interested in using data, models and tools that have become available through OpenEarth for project purposes. For these users easily installable software packages as well as user manuals and tutorials are available in the [OpenEarth Product Suite](#). An explanation on how to get access to data is given in the [Getting started](#) section.

OpenEarth developers









OpenEarth developers participate actively in the dissemination of new datasets and model systems and the development & improvement of all kinds of handy tools. If you wanna be an OpenEarth developer, please follow this link to learn about the [five easy steps to become an OpenEarth developer](#).

About us

OpenEarth is, amongst others, supported by the concerted effort of professionals from [Deltares](#), [Delft University of Technology's Hydraulic Engineering and Environmental Fluid Mechanics sections](#), [Van Oord Dredging and Marine Contractors](#), [Arcadis-Alkyon](#) and [UNESCO-IHE](#). Please visit our [OpenEarth LinkedIn group](#) to see the more than 400 members. More background information on OpenEarth can be found [here](#).



Quick links












| | |
|---|--|
|  | <p>Getting started / sign-up data, models & tools</p> |
|  | <p>Google Earth gallery data visualisations in Google Earth™</p> |
|  | <p>GitHub Our GitHub organisation</p> |
|  | <p>Join OpenEarth SubVersion repository Matlab & more</p> |
|  | <p>OpenEarth WebGIS viewer RWS Kustlijnzorg</p> |
|  | <p>OpenEarth webGIS viewer Building with Nature</p> |
|  | <p>OpenEarth Product Suite Released software</p> |
|  | <p>Links OpenEarths approach to knowledge</p> |

News

Blog Posts

| | | |
|--|-------------|------------|
| NCK 2016 sprint session metocean data created by Gerben J. de Boer | OpenEarth | 07-01-2016 |
| OpenEarth DataLab cooperation agreement Deltares - 3TU.Datacentrum created by Kees den Heijer | OpenEarth | 27-11-2015 |
| NCK 2015 sprintsession grain size data created by Gerben J. de Boer | OpenEarth | 23-02-2015 |
| OpenEarthTools now readable for anonymous users created by Fedor Baart | OpenEarth | 21-10-2014 |
| Data Science Symposium, Oct 31st created by Kees den Heijer | OpenEarth | 06-10-2014 |
| 3Di at IEMSS 2014 created by Fedor Baart | Fedor Baart | 18-06-2014 |
| OpenEarth at Github created by Fedor Baart | OpenEarth | 15-05-2014 |
| Visualizing the Alcatraz escape created by Fedor Baart | Fedor Baart | 20-03-2014 |
| March 26th - sprintsession at NCK days on zandmotor data created by Kees den Heijer | OpenEarth | 13-02-2014 |
| Python for engineers created by Fedor Baart | Fedor Baart | 19-11-2013 |
| 2 OpenEarth events OpenGIS data management 1 nov and Delft3D processing 4 nov created by Gerben de Boer | OpenEarth | 25-10-2013 |
| Webinar on use of OpenEarthTools with focus on Delft3D-Flow created by Gerben de Boer | OpenEarth | 07-08-2013 |
| May 30th WaLTER sprintsession for OPeNDAP, PostGresSQL in Matlab, R at NIOZ, Texel created by Gerben de Boer | OpenEarth | 21-05-2013 |
| L&R python lunch lecture created by Fedor Baart | Fedor Baart | 13-05-2013 |
| JARKUS transects up to 2012 available on OpenDAP created by Kees den Heijer | OpenEarth | 27-02-2013 |

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-  [OpenEarth tutorials](#)
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-  [Setting up PyWPS in a Windows environment with Anaconda](#)
05-05-2018 • updated by [Maarten Pronk](#) • [view change](#)
-  [Accessing netCDF data via OPeNDAP on password protected servers](#)
04-05-2018 • updated by [Kees den Heijer](#) • [view change](#)
-  [Setting up pyWPS in a Windows environment](#)
03-05-2018 • updated by [Gerrit Hendriksen](#) • [view change](#)
-  [Setting up PyWPS in a Windows environment with Anaconda](#)
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-  [Interactive gridding using R shiny and R markdown](#)
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