OpenEarth Product Suite

This page disseminates OpenEarth products. The installers are easy-installable software packages, including the necessary program files, documentation, etc. The toolboxes are collections of routines (Matlab, Python, etc) from the OpenEarth repository. In order to get access to the entire collection of OpenEarth tools, you are invited to join the OpenEarth community (click here for more information).

Data (products)

Name	Description
Dataset documentation	A collection of data (products) offered in netCDF, WxS or kml

Programs/Initiatives

Name	Description
Delft Dashboard	An information system developed by Deltares aimed at facilitating the use of data and (expert) knowledge in coastal problems. It does so by supporting modellers as much as possible in the efforts needed to set up new models and manage and use existing ones enabling researchers to quickly try out innovative approaches by advanced prototyping.
Detran	A program for calculating sediment transport rates through arbitrarily chosen transects on the basis of gridded transport data (for example model output).
Muppet	For advanced post-processing of model output (especially Delft3D)
Ucit	An information system developed by Deltares aimed at facilitating the use of data and (expert) knowledge in coastal problems. It does so by providing flexible access to and integration of various types of measurement data, models and analysis routines.
SuperTrans	Offers an easy-to-use platform to convert coordinates between numerous of coordinates systems.
SWAN mud	Special version of SWAN with dispersion relation and damping source terms for a two-layer system: fluid mud (viscous fluid) below and water on top.
OETWIS	OpenEarth Water Information System

Toolboxes

Name	Description
Google Plot	Google Earth toolbox (part of OpenEarthTools)
SWAN Matlab	Tools to process SWAN files (part of OpenEarthTools)
Coordinate conversion	A matlab toolbox to convert coordinates between numerous of coordinates systems.
XBeach	XBeach toolbox to read and write XBeach files, setup entire models and visualise or analyse XBeach results
Probabilistic Toolbox	Generic toolbox for probabilistic computations
Ocean Data View (ODV) toolbox	Toolbox for reading, plotting and meta-data handling of ODV ascii form from OceanDataView (part of OpenEarthTools)
Hydro Toolbox	Python toolbox for hydrology
SOBEK	Scripts for SOBEK in DeltaShell. See the SOBEK user community pages for more information.

Publications

Name	Description
IMDIS 2013	On IMDIS three abstracts were presented via two posters (1, 2) and an oral presentation (3) 1. Towards Open Monitoring Data within marine monitoring projects 2. Enabling connectivity between sources through customizable web interface 3. Coastviewer: a tool to enable the visualization of marine and coastal data (and presentation)
North Sea days 2012	Poster presented on North Sea Days as part of presentation about Monitoring on the North Sea

NCK 2012	NCK proceedings paper on GooglePlot toolbox
WODCON 2010	WODCON proceedings paper on OpenEarth philosophy
Poster eco-informaticscongres	Poster presented on the eco-informatics congres on december 8th at CWI University of Amsterdam. Subtitle: The silver bullet for ecology.
Poster VECTORS	Poster presented on the 2nd Annual meeting of VECTORS in Portorož, Slovenia.
Factsheet PMR-NCV	A fact sheet describing the technical aspects of the PMR-NCV monitoring project.
SprintSession 18-12-2012	Announcement sprint session to be held at Deltares (Delft) at 18th of December 2012
Lunchlecture 30-03-2015	Lunch lecture on March 15th 2015, Delft, Colloquium Room
MegaPEX Movie	Sandengine MegaPEX movie
Journal of coastal conservation	Regional coastal erosion assessment based on global open access data: a case study for Colombia (DOI 10.1007/s11852-018-0609-x)