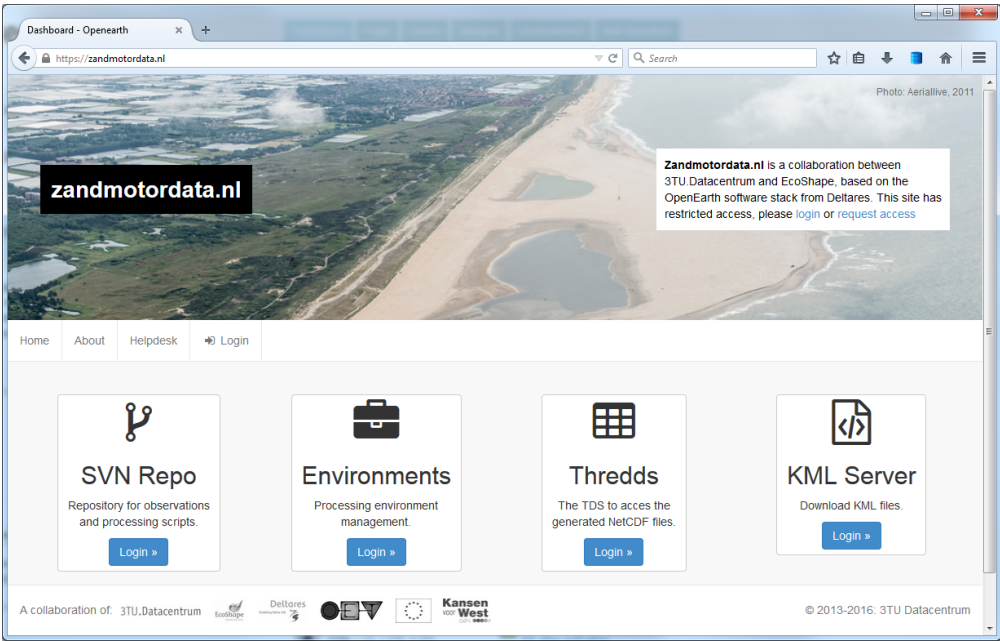


OpenEarth DataLab

The OpenEarth DataLab is an implementation of the OpenEarth data management approach and provides a platform for a (closed) community to organise, share, visualise and use (geo) data in a generic way as a solid knowledge base. This allows to focus on key questions (e.g. modelling, monitoring, evaluation, research) rather than restructuring and gathering data over and over again. The OpenEarth DataLab is an integrated web-based system that facilitates reproducible and transparent workflows as envisaged in the OpenEarth data approach.

The OpenEarth DataLab development is a cooperation between [Deltares](#) and [3TU.Datacentrum](#).



Workflow step	DataLab component	Remark	Documentation
Raw data	Subversion	Basically any file format is accepted	SVN, Raw data repository structuring
Processing scripts		Scripts to convert raw data to data products, including metadata	netCDF kickstarter
Processing of data	Processing environments	Python 2.7 and Matlab 2013b are currently supported	
Publishing data products	Thredds (netCDF) and postgresSQL (database)	For netCDF, CF conventions are followed	
Searching data	Geonetwork		
Visualizing data	KML server (Google Earth)		



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