



## Sprint session: data cloud

Het Nationaal Modellen- en Data Centrum  
[www.nmdc.eu](http://www.nmdc.eu)  
& OpenEarth on behalf of Building with Nature  
[www.openearth.eu](http://www.openearth.eu) - [www.ecoshape.nl](http://www.ecoshape.nl)

jointly organize a sprint session on  
live web access to data, version controlled  
tools and Google Earth feeds.

### Friday December 2<sup>nd</sup>

09:30 - 10:00 coffee

10:00 - 12:00 **Google Earth plotting**

You will get a free account for OpenEarthTools which contains the open source GooglePlot toolbox for Matlab™. This allows you to plot any data directly into Google Earth™ using the KML standard. In addition we will discuss the OGC Web Mapping Service (WMS) standard for exchange of graphics over the web, which is also supported in Google Earth and GIS packages. Several WMS services will be demonstrated using the KNMI ADAGUC portal which serves spatio-temporal data (e.g. neerslagradar).

12:00 - 13:00 lunch

13:00 - 16:00 **OPeNDAP data cloud**

How to use data from an OPeNDAP/netCDF data cloud with Matlab, Python and R. Deltares and KNMI have both OPeNDAP servers running with open data. Access to several datasets will be demonstrated during the session. We will install the required open source toolboxes and explore the available open data. A virtual machine image with OPeNDAP examples for R and python will be provided. In addition we will discuss and demonstrate the OGC Web Coverage Service (WCS) standard for exchange of gridded data products over the web.

16:30 + drinks

We hope to see you!

Gerben de Boer (Deltares)  
Maarten Plieger (KNMI)

*When: 2011 December 2<sup>nd</sup>  
Time: 10:00-16:30*

*Where: KNMI,  
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*Sign-up:  
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*!! Bring your own laptop and data !!*

