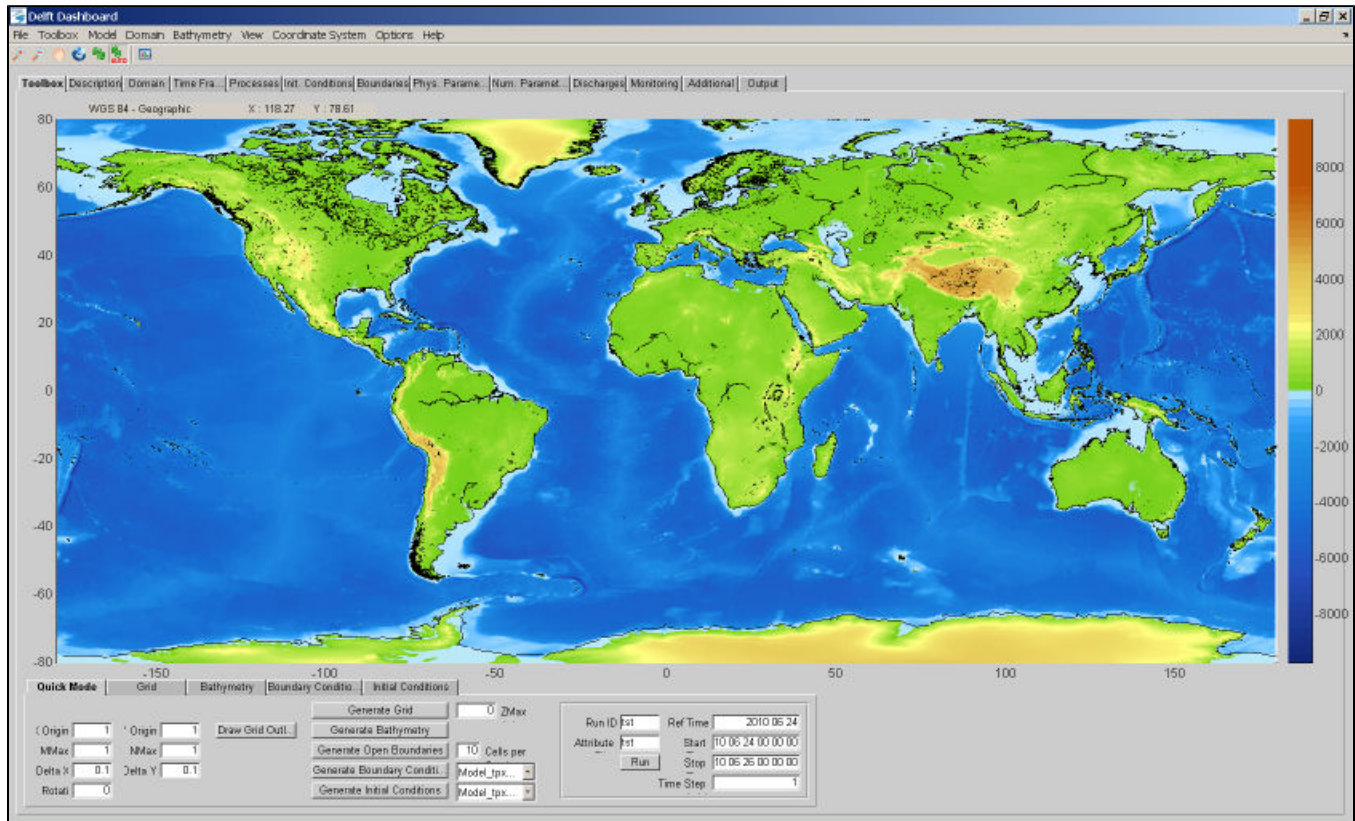# Delft Dashboard (DDB)

Delft Dashboard is a standalone Matlab based graphical user interface aimed at supporting modellers in setting up new and existing models. A large number of coupled toolboxes allow Delft Dashboard for fast and easy model input generation. Delft Dashboard allows a model to be set-up in a matter of minutes for every location in the world, which used to take days or weeks before!

The interface is coupled to the Delft3D modelling suite (Deltares), which allows carrying out the hydrodynamics, waves, morphodynamics and water quality computations. Besides the toolboxes to set-up a standard Delft3D computation, additional toolboxes are implemented to carry out advanced tidal analysis, simulate wind speed and pressure drop generated by a tropical cyclone, and simulate generation and propagation of a tsunami.

So far the coupling with Delft3D FLOW is fully implemented. Coupling with other modules of the Delft3D modelling suite is under development. Under *Help and support* you can find answers to frequently asked questions (FAQ) as well as links to draft versions of the user manual and the Delft Dashboard webinar.

We are working on more extensive documentation at the DDB wiki space. Enjoy!

The newest version of Delft Dashboard can be downloaded here. In this version Delft3D-FLOW, WAVE and XBeach are implemented.

Installation notes

Delft Dashboard can be ran as a standalone exectuable or within Matlab. When running as standalone executable, make sure that you install the correct version of the Matlab Compiler Runtime (MCR) on your system. To install Delft Dashboard, download and unpack the attached zip-files under Downloads. Run the executable delftdashboard\bin\DelftDashBoard.exe to start-up the program.

Note1: This application requires the installation of **Matlab Compiler Runtime (MCR)**. Please be aware that you need different versions of the MCR for 32-bit (download) and 64-bit (download).

Note2: Be aware that you need **writing permissions** on the drive on which you install Dashboard!

Note3: Delft Dashboard downloads most of its data from online databases. Therefore, it may take a while to start-up, the first time you run the program. Please make sure you have an internet connection to work with the most up-to-date data.

Manual

A draft version of the Delft Dashboard user manual can be found here. This manual provides installation notes for Delft Dashboard as well as information on the general lay-out of the tool, description of the toolboxes and some examples.

Tutorials

For a first introduction into Delft Dashboard please watch the Delft Dashboard webinar. More toolbox specific tutorials are available here.

Forum

On the Delft Dashboard forum you can post questions, report bugs or start a discussion.