

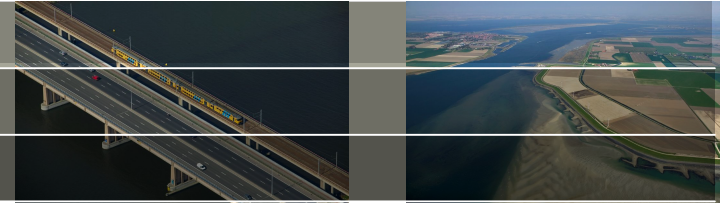


# Delft Dashboard

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# What is Delft Dashboard?



Open source (part of OpenEarth suite)

Matlab based

Model interface, to quickly set up models for:

- Delft3D-FLOW
- Delft3D-WAVE (under development)
- XBeach (under development)
- D-Flow FM (under development)
- Possibly other models

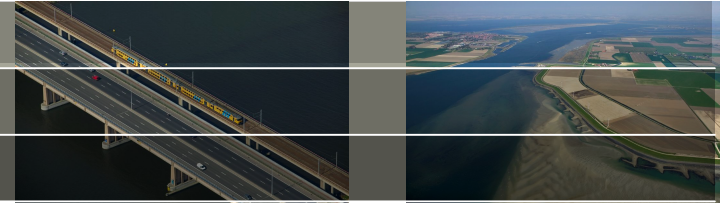
Using online available data

- Bathymetry (GEBCO, SRTM etc.)
- Tide models (TPXO)
- Tide stations (IHO, XTide)
- Aerial imagery (Bing Maps)

Most data stored on the Deltares OPeNDAP server

Supports hundreds of coordinate systems

# Toolboxes

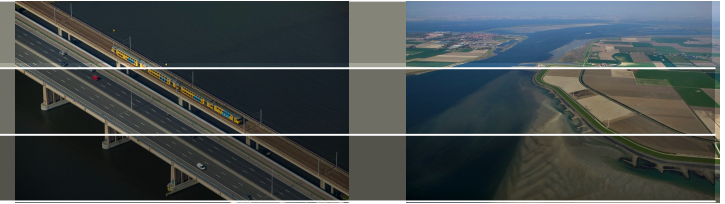


- Model Maker
- Tsunami (presented in next months by Deepak Vatvani)
- Tropical cyclone
- Tide stations
- Tiling toolbox (for adding new bathymetry databases)
- Nesting
- Domain decomposition
- etc



- How to install Delft Dashboard
- Overview available toolboxes and databases
- Demo 1: How to setup a Delft3D FLOW model using online available data sources:
  - Bathymetry data (e.g. GEBCO, SRTM)
  - Boundary conditions (TOPEX / Poseidon database)
- Demo 2: Nesting toolbox, for easy nesting between models
- Demo 3: Domain Decomposition (DD) toolbox
- Questions?

# Installation



Matlab source SVN

<http://publicwiki.deltares.nl/display/OET/OpenEarth>

Executable

<http://publicwiki.deltares.nl/display/OET/DelftDashboard>

Forum

<http://oss.deltares.nl>