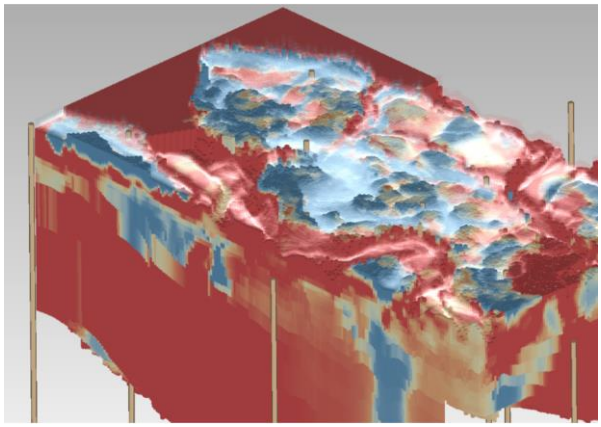
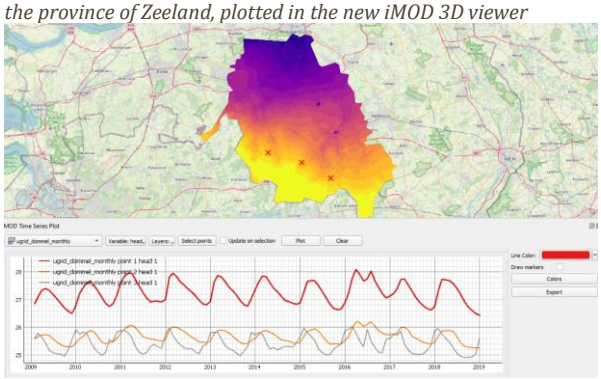
OPEN-SOURCE GROUNDWATER 3D MODELLING



Chlorine concentrations computed by the NHI-fresh-salt model. for the province of Zeeland, plotted in the new iMOD 3D viewer



The Time series widget and map canvas for a mesh.

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Joeri van Engelen

Deltares

IAH Ireland is delighted to present this unique training opportunity on Open Source Groundwater Modelling.

There is an increasing array of data and tools available as open source resources. DELTARES has developed the iMOD Suite to provide open source tools to efficiently build and visualize groundwater models.

iMOD Suite links the latest developments in the MODFLOW code and the changing requirements in the field of groundwater modelling. The iMOD Suite adopts a number of innovations which set it apart from other groundwater modelling software:

- A powerful interactive 3D viewer with tools for developing ground models and interpolated surfaces
- A QGIS extension is provided to allow for visualization and interrogation of modelling results with open source GIS tools and background mapping
- Incorporates existing data format conventions (NetCDF, UGRID)
- Modern programming languages (C++ and Python) that allow connecting directly to open source data

The training will cover the following

- Introduction to the iMod Suite
- Detailed tutorials on model development
- Modelling workflow & Quality Control
- Accessing Open Source Data (incl Irish data)
- Project Examples from Deltares
- Discussions on modelling challenges

June 1, 2022 9:00am to 5:00pm

Museum Building, Trinity College Dublin

€50 for IAH Members / €80 Non-Members

Register for the Event here: www.eventbrite.ie

INTERNATIONAL ASSOCIATION OF HYDROGEOLOGISTS (IRISH GROUP)