Release Notes Delft3D 4.00.01 (Sep 2011)

Solved Bugs

FLOW

DELFT3D-15131   GUI Saving the mdf-file corrupts the tidal forces records

RGFGRID, QUICKIN, DIDO

DELFT3D-15221   Load colour map problem

DELFT3D-15185   Error message when opening a colour map

For ArcGIS 9.3

DELFT3D-15265   Plugins do not run in ArcGIS 9.3

Improvement

DIDO

DELFT3D-15274   Number only the active FLOW cells

TUTORIAL

DELFT3D-15288   Tutorial model added for RemoteOLV

Release Notes Delft3D 4.00.00 (June 2011)

Influence on results

FLOW

Evaporation heat flux: Please read appendix B.6 of the Delft3D/FLOW manual carefully.(Delft3D-14383)

WAQ

PLCT, use the "Save As" button to save your data (Delft3D-14067)

Solved Bugs

FLOW/MOR

DELFT3D-15087	Fluid mud entrainment formula updated in documentation: vector-components changed to vector norm
DELFT3D-14816	FMTSTA keyword still needed in MDF-file
DELFT3D-14810	Salinity effect on flocculation term in Van Rijn 2004 incorrect
DELFT3D-14797	Running parallel produces NaNs in the second written timestep
DELFT3D-14788	No bedlevel transport across a Domain Decomposition boundary from fine to coarse
DELFT3D-14749	Update the FLOW tutorials
DELFT3D-14599	Heat flux model formula incorrect in documentation should be $(23.38 \exp(18.1-\frac{53303.3}{\bar{T}_{s}}))$
DELFT3D-14470	Size limitation on number of open boundaries (smaller then 999)
DELFT3D-14392	Use interpolation to calculate the discharge every timepoint, instead of calculating a "delta-discharge"
DELFT3D-14383	Big temperature difference using two different versions
DELFT3D-14343	Delft3D-FLOW does not produce a communication file anymore with direct online WAQ coupling
DELFT3D-14257	Large tracer concentration when combining Domain Decomposition with an initial eddy viscosity file
DELFT3D-14216	GUI shows walking discharge as normal discharge
DELFT3D-13951	GUI When an input file is not found, FLOW should stop with a clear error message.
DELFT3D-13392	GUI Visualization Area shouldn't blank out values below -999
DELFT3D-13385	GUI Modification of Iter keyword in mdf file disappears when editing mdf file in FLOW-GUI

WAVE

DELFT3D-14768	WAVE offline does not work
DELFT3D-14758	Output curve is not found, wrong keyword
DELFT3D-14586	Delft3D-WAVE lets SWAN use the wrong hotstart files
DELFT3D-14265	WAVE tutorial may not have directories named "input" and "output"

WAQ

DELFT3D-14822	GUI Waste loads defined by mass are not distributed correctly over the vertical
DELFT3D-14799	Strange difference between results for input that should be exactly the same - arising in the context of MAMPEC
DELFT3D-14386	Description of the process HDisperVel is missing from the technical reference manual
DELFT3D-14322	Division by zero in dlwqtb

DELFT3D-14268	Documentation of WAQ processes does not describe switch SwTauVeloc in the caltau process
DELFT3D-13270	Coupling problems with TELEMAC V5P9

PART
DELFT3D-15089	Memory bug generates NaN code for a continuous release at stop time for oil budget and balances
DELFT3D-14847	Tutorial model for oil did not run
DELFT3D-14065	Tables in PART-GUI behave strangely: focus is set to start of number
DELFT3D-14063	GUI crashes when cancelling the Save operation
DELFT3D-13989	GUI crashes after Insert row/Generate table

DIDO
DELFT3D-15050	Reading grid enclosure leads to crash

QUICKIN
DELFT3D-14885	Saving actual grid is not working properly, it was written to two files
DELFT3D-14778	Description of sample file is needed

RGFGRID
DELFT3D-14990	Removing spline and exporting corrupts file

QUICKPLOT
DELFT3D-14874	Cannot convert lines in shape file to splines
DELFT3D-14833	Orientation of velocity vectors incorrect for curvilinear models on sphere (Simona SDS-file).
DELFT3D-14786	Selecting another figure doesn't change the active plot axes
DELFT3D-13830	Cells are not displayed in visualisation area, mismatch with DIDO

MENU
DELFT3D-14891	Detection of executable with two times the extension *.exe (i.e. .....exe.exe)
DELFT3D-10682	When closing 'running box' of WAVE, the process SWAN is not killed

Improvement

FLOW/MOR
DELFT3D-15038	Prevent extremely long tri-diag files
DELFT3D-14879	Write message to screen when FLOW waits on connection with Remote Online Visualisation
DELFT3D-14824	Improve error message with respect to skipped records in MDF-file and missing enclosure file
DELFT3D-14820	The error message "Background horizontal Eddy Viscosity too large in too many points" must be improved
DELFT3D-14806	Queries regarding the use of vegetation trachytopes
DELFT3D-14588	Adding a pressure correction on Riemann boundaries should be possible
DELFT3D-14433	Describe in the documentation what users are supposed to do when the message "No convergence in UZD" appears very often
DELFT3D-14363	GUI Support the improved wind drag force calculation
DELFT3D-13479	Check on NaN values in restart files
DELFT3D-13301	Stop with an error message when performing a wave calculation every flow time step
DELFT3D-10672	Improve description of boundary layer development at water level boundaries parallel to coast
DELFT3D-10584	Write units of the variable ATR (Advection TRansport) and DTR (Diffusive TRansport) on the trih-file

WAVE
DELFT3D-14815   In documentation: how to work offline with WAVE
DELFT3D-14075   Adjusted the file extension for obstacle files
DELFT3D-14007   Three different time formats used, synchronise it.

DIDO
DELFT3D-14871   After asking "Save the project first" and the answer "yes", DIDO should save the project
DELFT3D-14404   Read the mdf-file and the attribute files

* New Feature

FLOW/MOR
DELFT3D-13428   Mass balance output for Delft3D-FLOW

DIDO
DELFT3D-14781   Need to cut out a small part of the hydrodynamic grid

MENU
DELFT3D-14483   Show run-ID in title of "run program window"