BeicipFranlab

2021.1 Update 8
INSTALLATION GUIDE

List of fixes included in this update

OpenFlow®

- The import .las file function was improved. Files that could not be imported before due to different header writing methods can now be imported.
- Update of Maverick SSH version allowing to use powerful SSH key exchange algorithms.
- Section Editor acquisition mode for filters has been reviewed to avoid application freeze.
- Update of Linux LSF scripts allowing to configure variables UCX_TLS and I_MPI_OFI_PROVIDER when I_MPI_FABRICS is ofi.
- In color scale settings, lock of min max values for a property type scale will remain unaltered even when synchronize palette option is on.
- Import Data From OFS Project allows to import data from a project located to another database.
- Decoding of FILEUNIT in *.GRDECL files.

DionisosFlow®

- An issue related to the calculation of the Age_Bottom and Age_Top properties have been corrected.
- Carbonate ponderation maps are taken into consideration when the sediment is renamed.
- Calibration indexes are correctly calculated.
- In a workflow using the option "Simulation will start from a previous workflow", you can now request outputs different from the previous workflow
- The Fitted Grid tool now takes in consideration if a model was simulated until 0 Ma or had the compute present day burial option activated.
- The Fitted Grid calculation will consider horizons from the structural evolution even if not corresponding to a simulation timestep.
- Rainfall calculation was corrected.
- .xml export of guideline was fixed.
- Using "From previous Workflow" option, facies are now recalculated on all time steps including from the previous workflows with the current guideline library. The property Age is preserved from one workflow to the next one.
- Wheeler mode is working for models with azimuth.
- **Negative sources badly handled since update 4 was corrected.**
- **Import of *.sav now includes facies.**

TemisFlow™

- Arctem hybrid scheme calculation has been reviewed and solver optimized to improve temperature convergence for 2D destructured grid.
- Geochemical library component import error is fixed.
- DionisosFlow TemisFlow link has been updated to allow domain grid manipulation and rescaling.
- Arctem 3D results conversion option form Mass to Mass per area has been unlocked.
- Arctem calculator automatic time step optimization has been updated to facilitate convergence and avoid calculator crashes.
- Visco IFP solver has been optimized for temperature calculations to avoid no convergence
- Export of *.ofs2021 is now working properly for scenario created from DionisosFlow grid.
- Thermal conditions lateral variations defined for 2D destructued grid are considered along X and Y axis.
- Arctem Result import has been reviewed to account for cases with cells under the minimal solid thickness at the bottom layer.
- Use as Reference has been by default turn off, to avoid Paleobathymetry interpolation issues in the Sedimentary Model.
- Source Rock Check in the sedimentary model for 2D unstructured grid has been updated to consider for eroded materiel. The edition paint tool has been upgraded accordingly to propagate the index into the eroded cells as well.

- Geochemistry HC system thermal cracking kinetic model is set by default as Petroleum potential.
- Arctem Organic Porosity module has been reviewed to avoid numerical errors.
- TSR Time Window property default color scale has been updated and min/max values unlocked

CougarFlow®

- Workflows containing Metaparameters of Metaparameters can be properly copy-pasted.
- Deleting all Objective Functions using a particular well will now unlock the well to permit edition or removal.
- In Map Analysis, Q2 scale will always show values from 0 to 100%.
- Possibility to use law of distribution laws for integer uncertain parameters (external activity).
- Non-values are correctly interpreted in Composite response module.
- In Designs, it will not be possible to change min and max values of the parameters outside the uncertain domain defined in Classical Parameters to prevent errors during the analysis.

PVTFlow™

- Gas composition in Tank of Separator with multiple steps is correctly calculated.