RESERVOIR SIMULATION SUITE

Reservoir Simulation Suite

Build

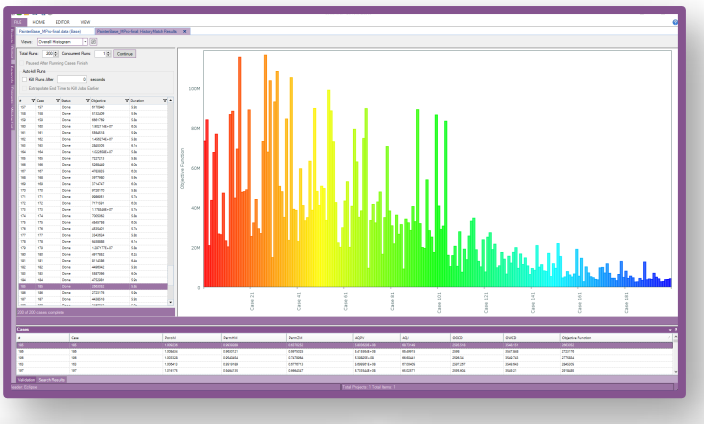
Analyse

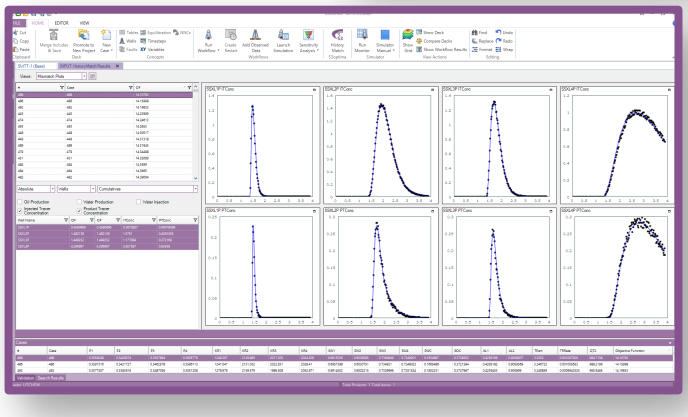
Control

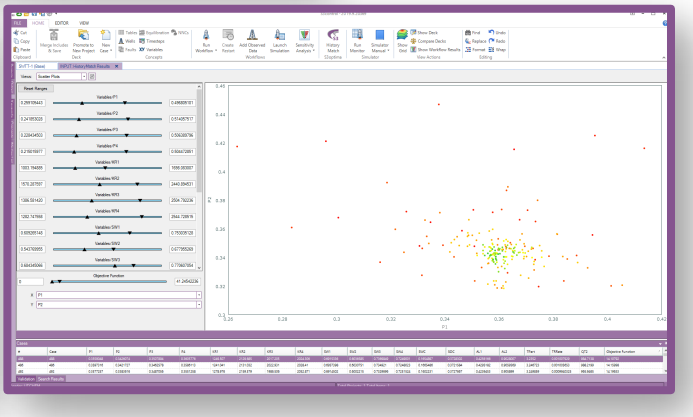
Sim

Sciencesoft

S3optima







- ***Easy to use and set up runs***
- ***Powerful***
- ***Cost-effective***
- ***Find matches in fewer runs***

CONTROL

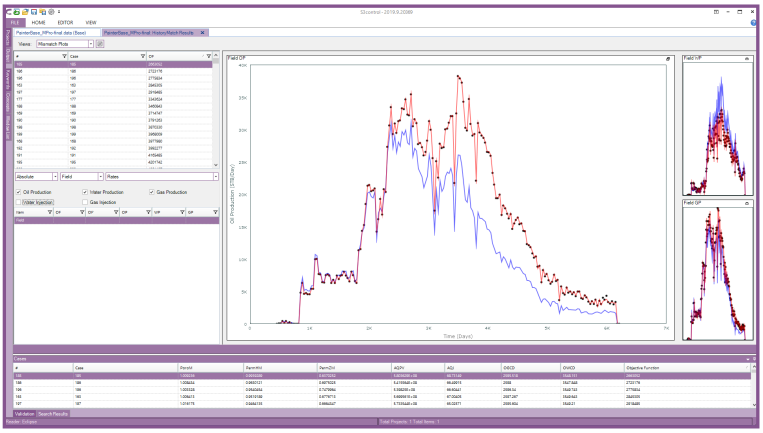
CONTROL

S3optima

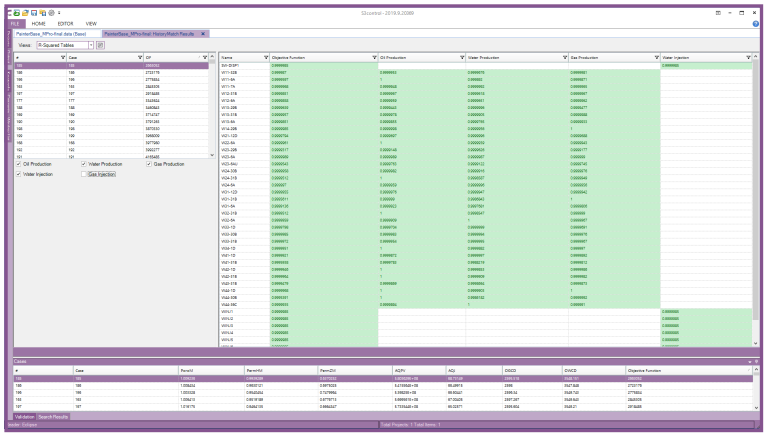
S3optima is an assisted history matching tool which is easy to use, powerful, fast and cost-effective. It allows engineers to set-up history matching workflows by means of its observed data import wizard and via its simple dialogue box driven process to add parameters, set weights and define objective functions. Various matching strategies can be employed and tailored depending on the situation.

BENEFITS

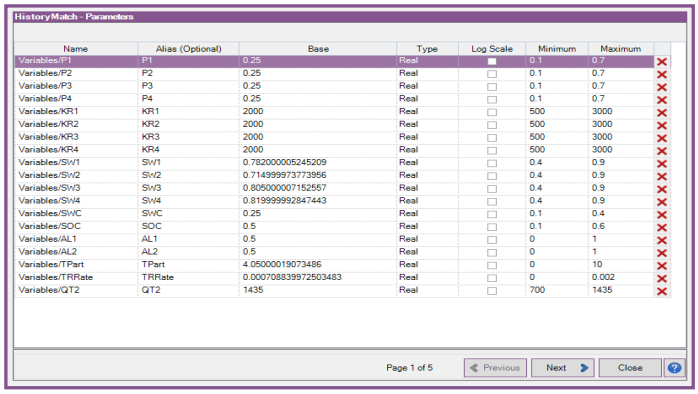
- Simple to use
- Powerful
- Cost-effective
- Finds matches with fewer runs



View history match progress



Examine R^2 for each well



Simple parameter set-up

Compare simulation data with observations

KEY FEATURES

- Works with Meteor, UTCHEM, Eclipse and ECHELON (other simulators coming soon)
- Can find solutions with a large number of parameters
- Results can be analysed as the workflow is in progress
  - Early assessment, termination and modification is simple
  - Detailed results view to identify problem areas
- Histogram, mismatch and scatter plots, along with R^2 tables
- Matches against all production, injection, concentration and pressure data
- Standalone execution or HPC/LSF systems
- Unit conversions handled automatically
- Easy creation and adjustment of objective functions
- Uses Particle Swarm Optimisation, Differential Evolution or Bayesian Optimisation
- Can handle specialised workflows such as core floods or tracer tests

Sciencesoft Ltd
Moorpark House
11 Orton Place
Glasgow
G51 2HF

tel. +44 (0)141 445 0330
fax. +44 (0)141 445 2041
e-mail - sales@sciencesoft.com
website - www.sciencesoft .com

© 2022 Sciencesoft Ltd. All rights reserved.
All trademarks are registered.