RESERVOIR SIMULATION SUITE

S3chembuild

KEY FEATURES

- Simple loading & fitting of chemical EOR lab data

- Aqueous Phase Builder

- Supports Polymer, Surfactant and SASP workflows

- Consistent and repeatable workflow for all processes

- Fits are visualised and a X^2 fit parameter is calculated

- Fits can be manually adjusted by the user using sliders

- Data quality can be checked and corrected for where necessary

- Keyword parameter limits can be set to flag the expected parameter range

- Aqueous Phase Builder provides full control of salinity modelling

- Works with S3quickbuild to place S3chembuild output directly into INPUT files

BENEFITS

- Huge productivity boost compared to spreadsheet-based analyses of lab data

- Automatic generation of UTCHEM and Meteor input parameters from lab data
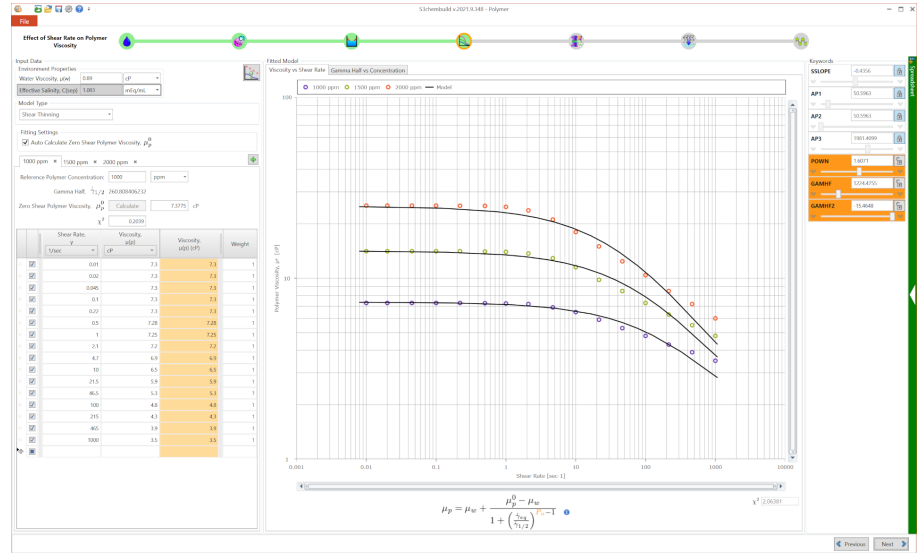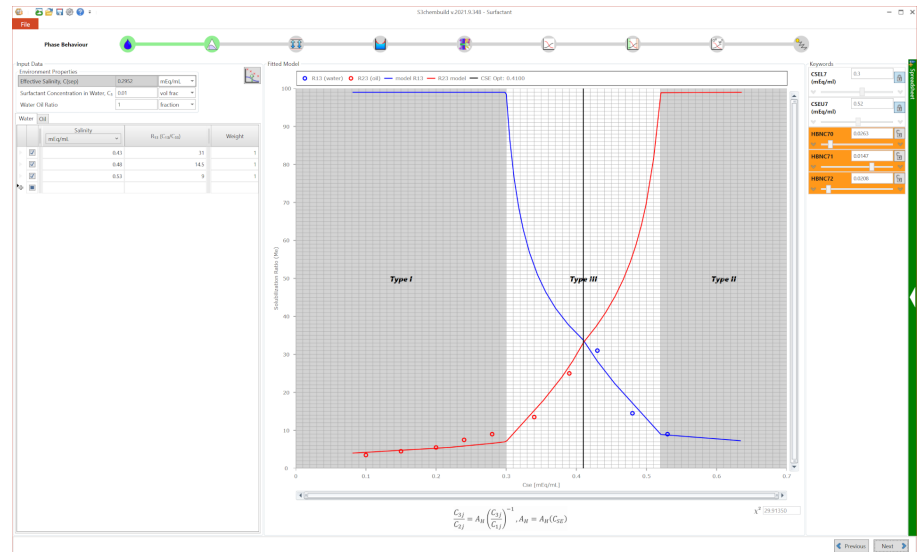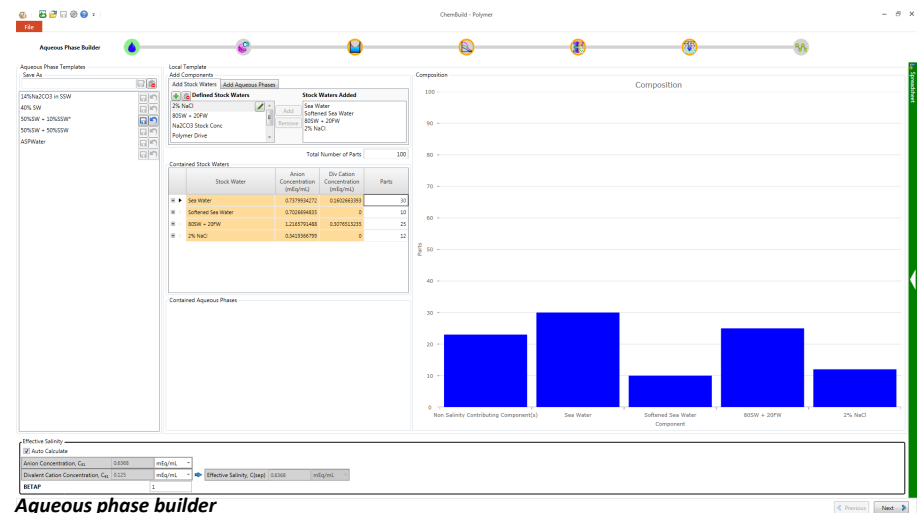
Faster Formulation Fitting

S3chembuild is a state-of-the-art tool for loading, processing and fitting data from chemical EOR lab experiments and moving that data straight into UTCHEM and Meteor simulation decks.

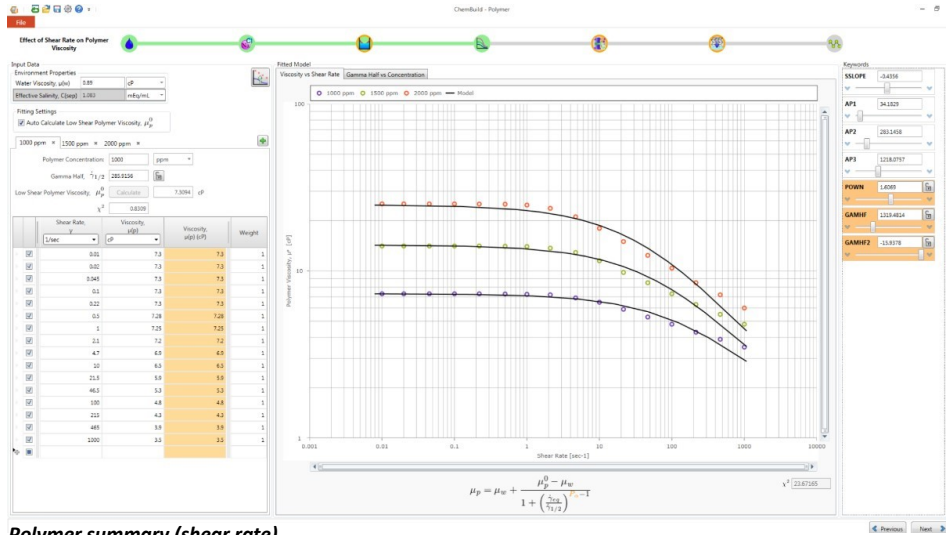*Polymer Rheology*

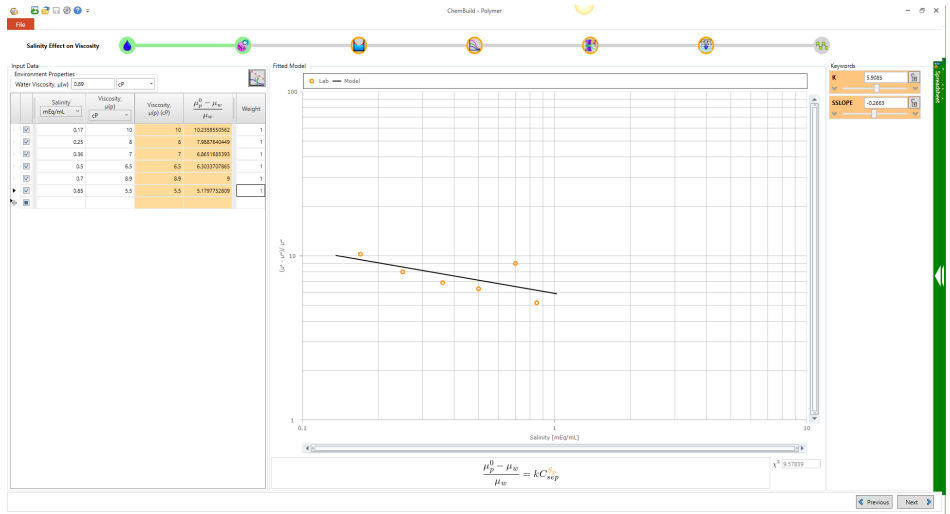*Surfactant phase behaviour*

Aqueous phase builder
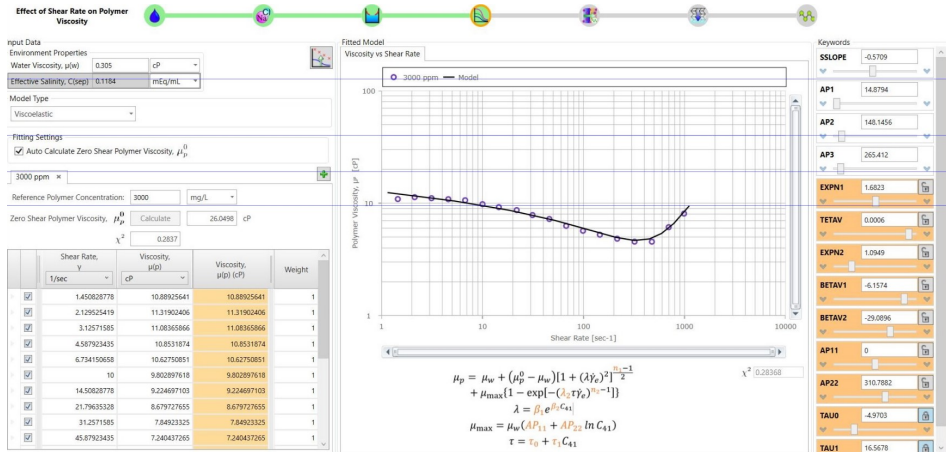
Other benefits

- Combine salts and ions to model in situ water with dedicated Aqueous Phase Builder

- Viscoelastic modelling for polymers is supported

- Weight or ignore data points to quality control the fit

Polymer summary (shear rate)

Salinity effect on polymer viscosity

Salinity effect on polymer viscosity

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