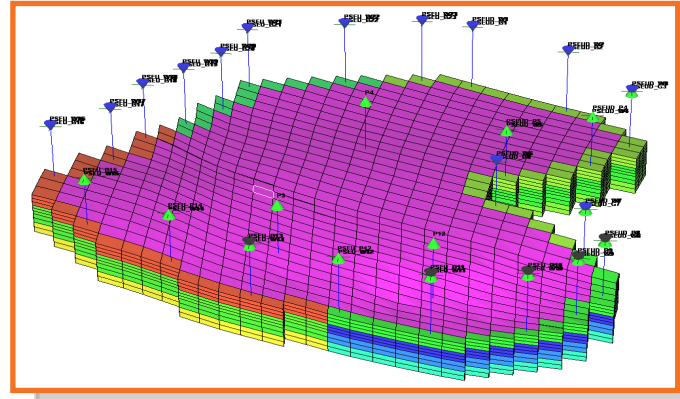
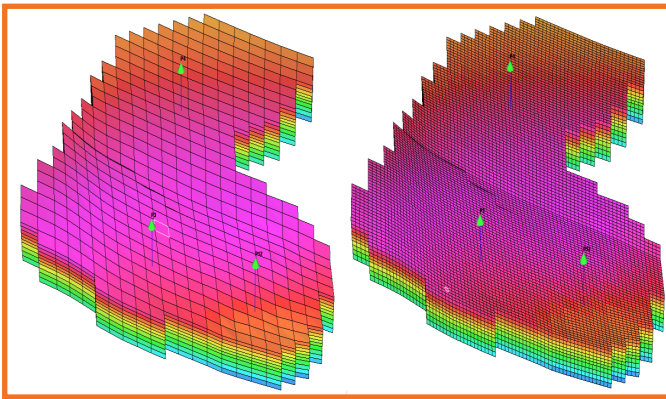
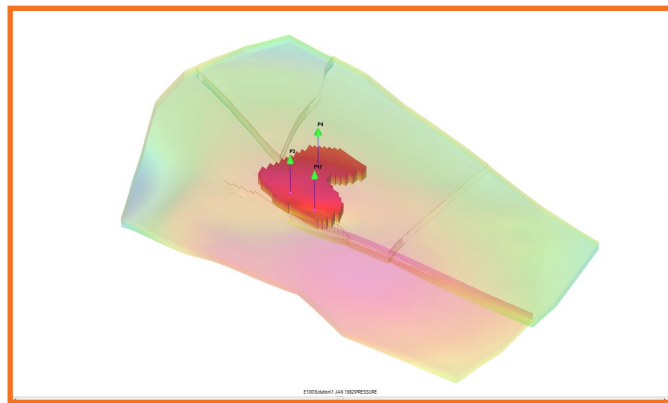


## Well selected



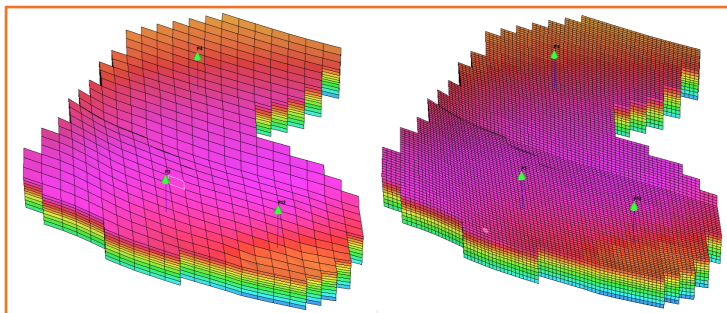
- ***Creates sector models in seconds***
- ***Massively increases productivity***
- ***Multiple simulator support***
- ***Advanced and flexible boundary flux control***
- ***Refine sector grids for more detailed studies***
- ***Exports sectors in ECLIPSE and UTCHEM format***

**S3sector** provides a revolutionary solution to the problem of extracting sector models from a full-field reservoir simulation model. This innovative and powerful software tool builds sector models in minutes, rather than the weeks needed for a manual conversion. **S3sector** provides full support for creating ECLIPSE and UTCHEM sector models. Support for the Nexus, IMEX, GEM and STARS simulators will be added. Single- or multiple-well regions can be selected interactively and new sector models can be built very quickly.

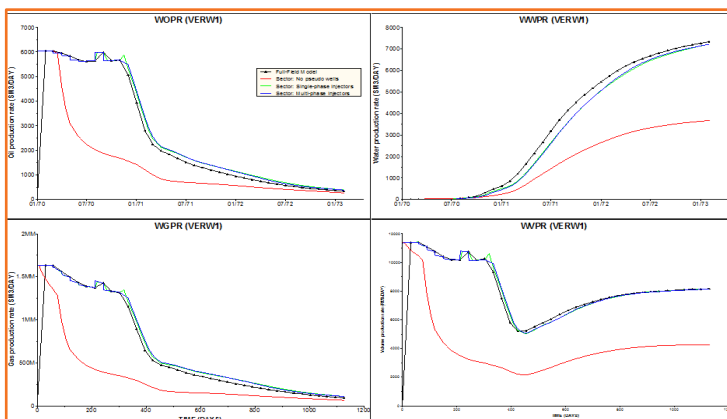
**S3sector** automatically converts full-field reservoir data from one simulator into the format required for the sector model export. Corner-point geometry can be converted to block-centred geometry, with additional grid refinement to model fine-scale effects if required. EOR models for UTCHEM can be built quickly and easily, saving weeks of painstaking manual work. The evaluation of EOR processes has never been easier.

### BENEFITS

- Create and convert sector models for new studies in minutes
- Massively increases productivity
- Multiple simulator support
- Easy selection and export of sector models
- Use existing history-matched models to provide the base for the new studies
- Refine sector grids for more detailed studies
- Sectors automatically account for boundary fluxes



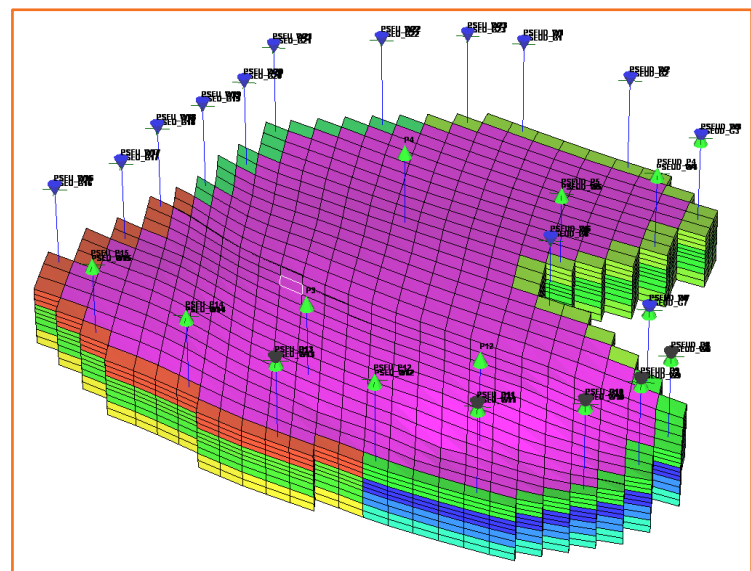
Sector Model Refinement



Sector Model vs Full Field comparison

### KEY FEATURES

- Multiple simulator support in a single package
- Built on established, proven and tested technology
- Full-field or sector conversion
- Aim is 99% conversion in minutes
- Rapid creation of new studies from any ECLIPSE model
- New sector model can be up and running in minutes
- Interactive region selection via user-defined polygons
- New sector regions selected in seconds
- Integrated visualisation of full-field and sector models
- Minimal user intervention for sector model creation
- Corner-point grids automatically mapped to block-centred grids
- Sector models created using simulation predictions
- Greatly improves productivity by eliminating the large amount of time previously spent building UTCHEM or ECLIPSE sector models
- Gives engineers more time to carry out additional studies and to analyse their existing studies
- Multiple workflows including:
  - Polymer flood
  - Surfactant flood
  - ASP studies
  - Single-well tracer tests
  - Refined grids
  - Single or multiple wells



Sector Model with Flux Boundary and Pseudo-wells

