



Explicitly Coupled Integrated Reservoir & Production System Modelling

Benefits

- Couple existing IMEX, GEM reservoir models to CoFlow production network
- Model multiple reservoirs, with varying degrees of fluid complexity & blending
- Extensible plug-in framework support

CoFlow-X is CMG's new platform that provides an explicit coupling between reservoir simulation models in IMEX and GEM with the advanced surface network production model in CoFlow.

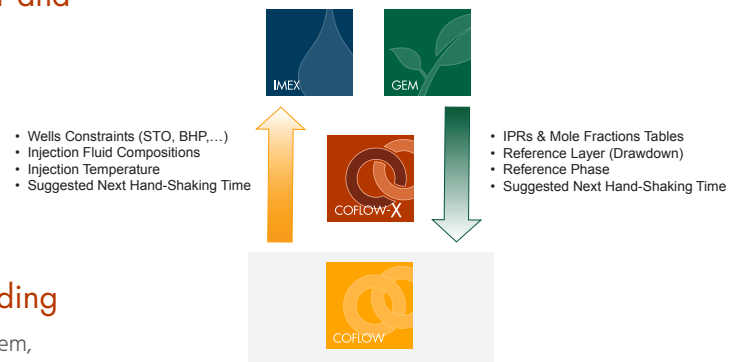
Easy Reservoir and Production Model Coupling

- Easy-to-use interface
- Single-click solution to complex and tedious time consuming tasks traditionally seen in other coupling tools
- Quickly and easily view and analyze data transferred between reservoir and production models
- No limit on the number of reservoirs and production system models for coupling
- Automatic well coupling between reservoir models and production system

Modern Coupling between Reservoir and Production Models

- Intelligent coupling time identification based on critical events happening in reservoirs as well as the critical events of the production system
- Full use of CMG's proprietary parallel and solver technology for fast coupled simulation run time

At Hand-Shaking Time
(Coupling at the bottom-hole)



Couple existing IMEX and GEM reservoir models to CoFlow surface network models

Advanced Fluid Modelling and Blending

- Any fluid type can be used in any part of the problem, use black oil (IMEX) in one reservoir, EoS (GEM) for another, and use a blend of the two in the facilities
- Highly efficient and user-friendly component mapping
- Monitor the health of your fluid mapping to ensure no material balance errors

Advanced IPSM with Integrated Uncertainty and Optimization

- Model any recovery process, evaluate recovery options using CMOST-AI workflows
- Perform dynamic nodal analyses for a robust well and facility design
- Evaluate the robustness of production designs using CMOST-AI



Contact

For more information please contact cmgl@cmgl.ca



R&D Investment

CMG reinvests 20% annual revenue back into R&D, to further innovation and drive technology forward



Superior Software

CMG delivers easy to use software that provides the most accurate results



Dedicated Support

Experienced technical sales & support personnel, deliver high-quality, timely and personalized customer support



Relevant Training

CMG's industry renowned reservoir software training provides the skills to improve productivity and efficiency