



ResX

Ensemble-based
reservoir management

ResX: transformative technology

Make the right decisions at all stages of the asset's life cycle by embracing subsurface uncertainties.

The proper adoption of ensemble-based reservoir management involves a radical departure from the sequential and time-consuming processes typical for traditional reservoir modelling projects. By conditioning simultaneously to both static and dynamic data, in an uncertainty centric (ensemble-based) framework, ResX provides powerful insights into the complex nature of unknown subsurface properties. With this depth of knowledge, asset teams can make robust decisions with an articulate quantification of risk and reward.

Integration delivers efficient workflows

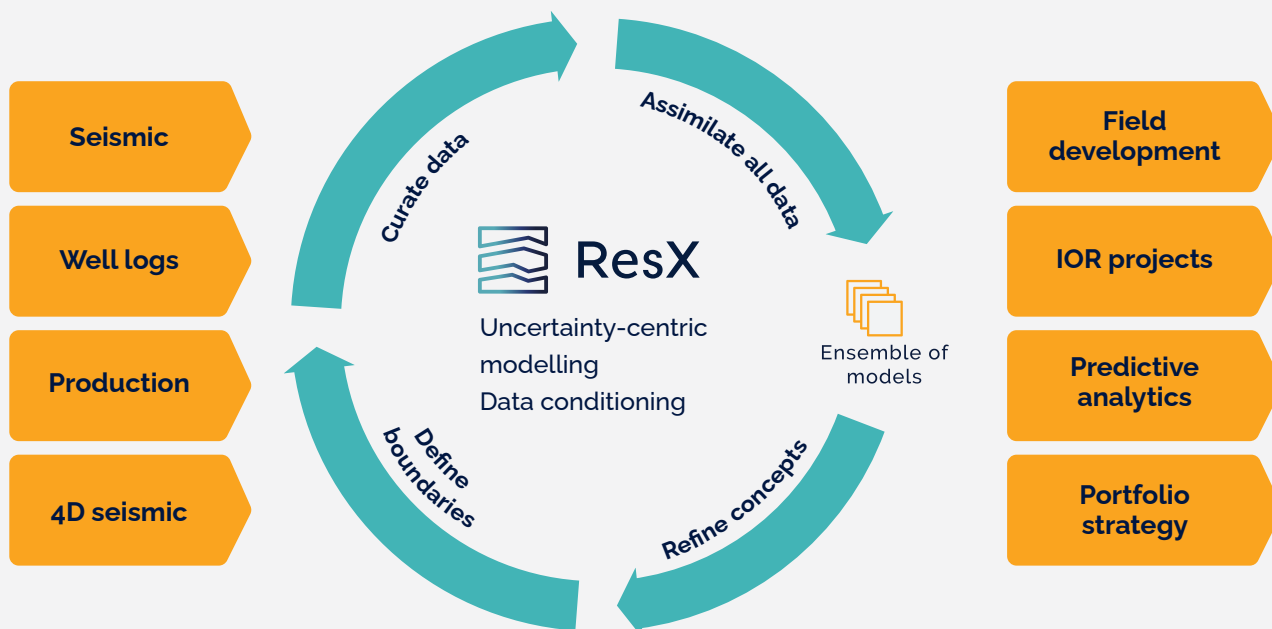
- Leveraging Petrel*
- Available on the DELFI* cognitive E&P platform
- Leverages all the available data

Fit-for-purpose technology

- 20+ years of research
- Highly efficient data conditioning
- Any field, any size
- All available data – from well logs to 4D seismic

* Mark of Schlumberger





20 years of experience and improvements

ResX builds on years of experience applied to all types of reservoirs at all stages of development. The automated and updatable reservoir modelling workflows dramatically reduce the turn-around time for modelling projects, using classical and contemporary fit-for-purpose algorithms including Gaussian Process learning, sparse regression, metric learning, and stochastic programming. From greenfields with a limited number of wells to brownfields with decades of production from hundreds of wells, ResX allows users to capture and leverage the information from all data from well log samples to 4D seismic surveys.

Our customers - our users

- // Improved reservoir understanding and a better basis for decision-making
- // ResX changed significantly the collaboration habits of the team
- // Ensemble-based methods are the proper way to engage uncertainty
- // You need to have information that will help you make good decisions



Learn more

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