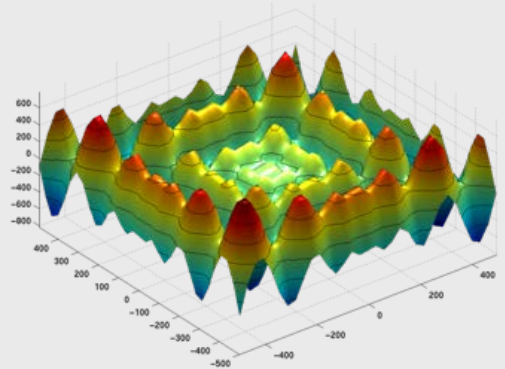


## THE TECHNOLOGY

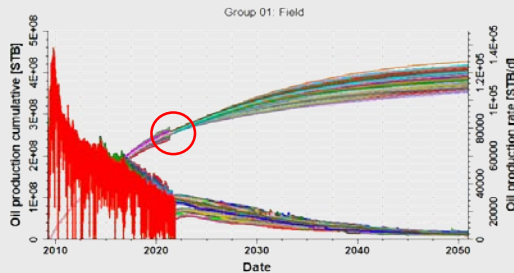
FDPO is a powerful software product deployed as Petrel plugin to enhance uncertainty management and optimization functionalities. Seamlessly embedded into Petrel workflows it offers an array of capabilities that speedup evaluation and support decision-making. Additionally, it offers robust optimization, AI enhanced processing and Insight generation to facilitate the optimal solution.



## MAIN FEATURES OF FDPO

### Cost efficiency:

Reduce time-to-decision and computational resource usage. Up to 60% workflow reduction runtime by early termination of unfeasible or suboptimal simulations.



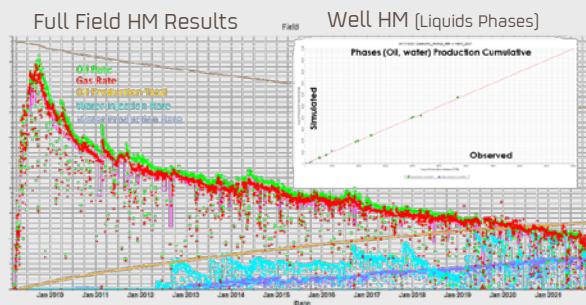
Early termination of simulations by the RSM

### Extend model lifecycle:

Data assimilation to reduce regeneration of subsurface models.

### Improved Decision Making:

Improved subsoil understanding. Increase variety of subsurface models and accuracy



### Unify technical and economic evaluation:

50% reduction in economic evaluation and improved performance.

## MARKET OPPORTUNITY



The estimated market for specific reservoir simulation software in 2023 is 60M€. Linked to a forecast annual growth (CAGR) of 14%, then the market is expected to reach 150M€ in 2030. Alternative uses (CCUS and geothermic) are not being considered, therefore this market could be even higher. Furthermore, these tools will become a need to reduce time and save costs.

The opportunity is to license the technology enabling to offer Uncertainty Management and Optimization to your customers as an improvement for Petrel. For any further information, please contact Mr. Alberto Falagán Valladares [af.valladares@repsol.com](mailto:af.valladares@repsol.com)

## ABOUT REPSOL

Repsol is a global **multienergy provider** working to drive the evolution towards a low-emissions energy model. Repsol employs over **24,000 people**, operates across **34 countries**, and sells products to **24 million customers** in more than **90 countries**. Repsol Technology Lab is the landmark of innovation for Repsol and an example of one of the most cutting-edge private R&D models in Spain.