IRMA

Integrated reservoir management & analytics

Support better decisions and optimize asset managementwith a deeper under-standing of ensemble-based models

Ensemble-based modelling is the best way to understand subsurface and reservoir uncertainties.

However it is often difficult to make effective use of the information within an ensemble comprising a hundred or more realizations, and harder still to reach a decision through comparisons of different ensemble-based models. IRMA is designed to make it as easy to work with ensembles as it would be to work with individual models.
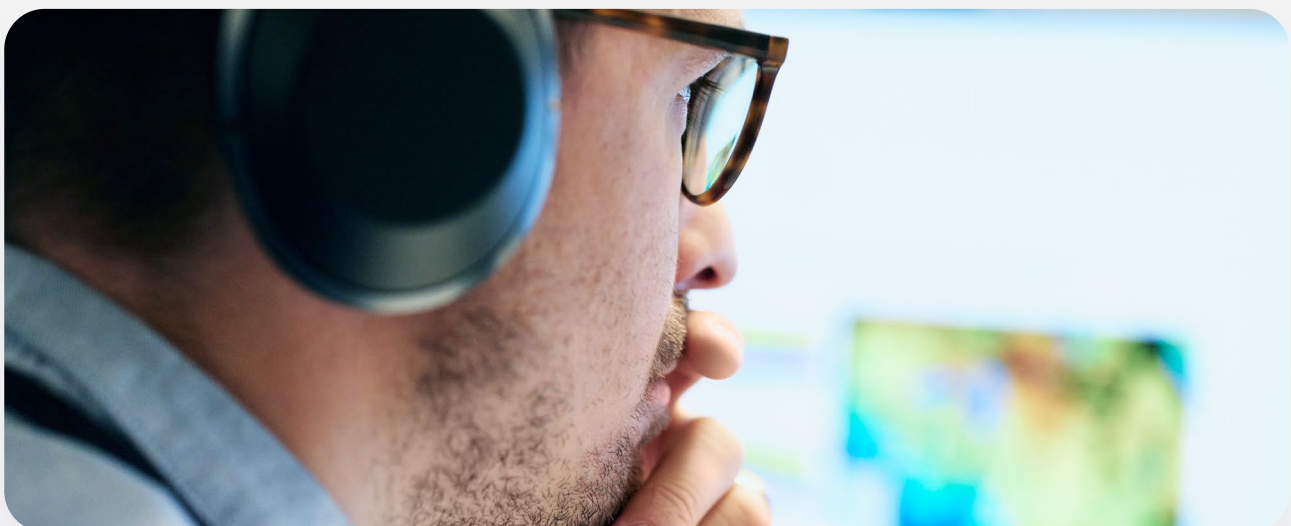
IRMA puts the team in control of the vast amount of data produced in the context of ensemble-centric modelling, in a simple, streamlined and efficient way.
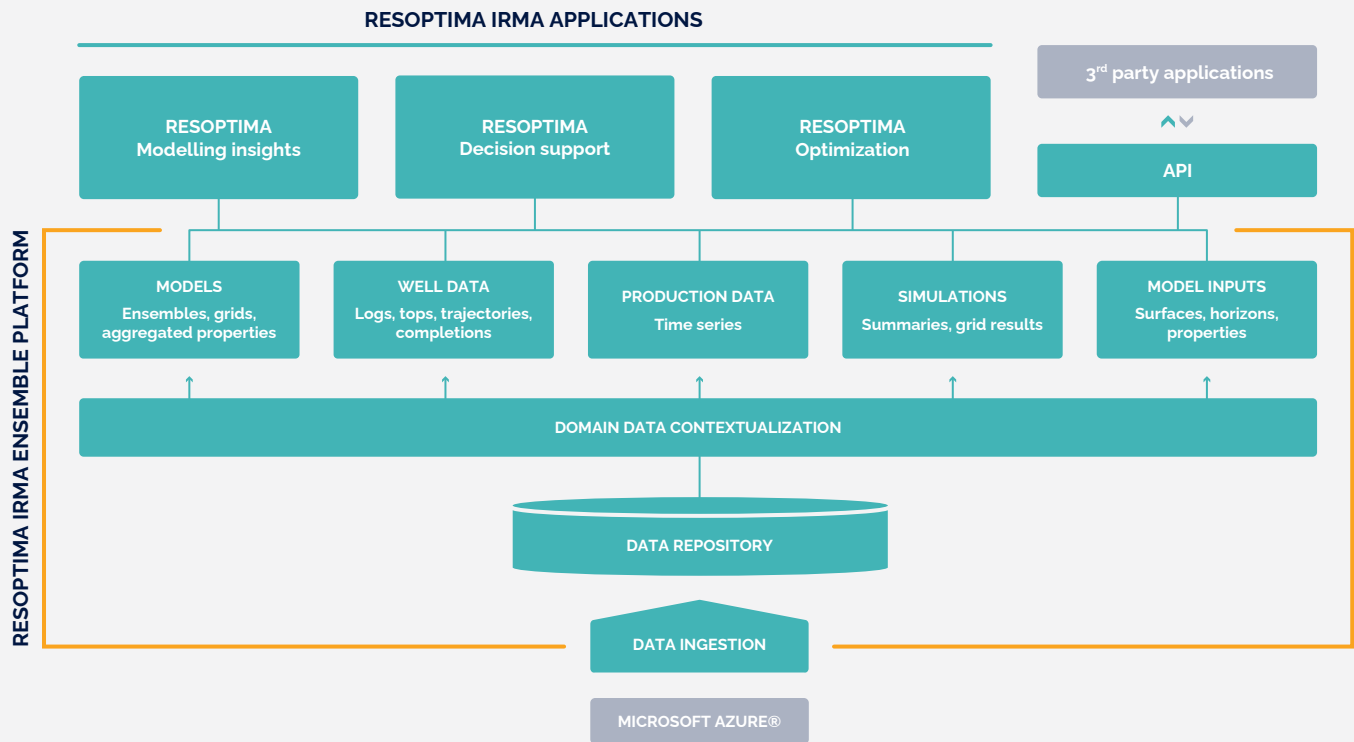
Analyze ensembles with ease

- Compare, analyze and optimize
- Task-specific workflows
- Leverages all the available data
- Direct load of ResX ensembles
- Ingestion of ensembles from 3rd parties

Leverage the power & flexibility of cloud

- Designed and built for cloud
- Open platform - add your own features
- Available in Microsoft Azure®

RESOPTIMA IRMA APPLICATIONS

RESOPTIMA
Modelling insights

RESOPTIMA
Decision support

RESOPTIMA
Optimization

3ʳᵈ party applications

API

RESOPTIMA IRMA ENSEMBLE PLATFORM

MODELS
Ensembles, grids, aggregated properties

WELL DATA
Logs, tops, trajectories, completions

PRODUCTION DATA
Time series

SIMULATIONS
Summaries, grid results

MODEL INPUTS
Surfaces, horizons, properties

DOMAIN DATA CONTEXTUALIZATION

DATA REPOSITORY

DATA INGESTION

MICROSOFT AZURE®

A platform for ensemble data

- Manages ensembles across all assets
- Easy selection and CRUD operations
- Management of all metadata

Applications leveraging ensembles

- Modelling insights
- Decision support
- Optimization

Open to third party applications

- A comprehensive API
- Full documentation

Salient capabilities

› Simple management of ensembles

› Powerful comparative graphics

› Rich array of analytical tools

› Delta grid properties

Learn more

MORE ABOUT IRMA >

CASE STUDIES >

CONTACT US >

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