

GEOXILIA

**TRAINING - MENTORING -
CONSULTING**

**BROCHURE
CONSULTING
2019**



WWW.GEOXILIA.COM

ABOUT US

- GEOXILIA's solutions have an exclusive tailor-made approach to optimize deliverable and client objectives.
- GEOXILIA works on ranking and task prioritization for a cost optimization and effective team integration.
- GEOXILIA innovative solution integrated and flexible advanced workflow able to adapt time allocation between minor and critical tasks without cost impact.
- GEOXILIA team has experiences in several domains worldwide.

WHAT WE DO ?

- Specialized in reservoir modeling and engineering, the team has experience in several domains and fields.
- With an experience covering all G&G and reservoir engineering, GEOXILIA can cover specific need and complex request by creating new workflows, or implementing features.

INDUSTRY EXPERTISE



- Oil & Gas
- Geothermal
- Storage



OUR ADDED VALUE

We allow operators to unlock the optimal potential of oil and gas reservoirs, enable our clients to explore new opportunities, assess undeveloped discoveries and/or re-evaluate existing development scenarios.

The integration of subsurface disciplines into comprehensive 3D models improve the optimization of complex well trajectories and allow us to generate integrated geological and dynamic models.

We conduct fit for purpose studies ranging from sector models to full field reservoir simulation models for valuation and forecasting performance to preliminary field appraisal and development. **An integration of reservoir management with financial performance allows us to make optimal decisions that enhance asset value over their life cycle.**



SCOPE OF SERVICES

- INTEGRATED STUDY,
- DUE DILIGENCE, DATAROOM
- PROSPECT BOOK, ACCUMULATION DATABASE
- PLAY AND PROSPECT RANKING AND EVALUATION (EXPLORATION)
- ASSET VALUATION, UNCERTAINTY ASSESSMENT
- DECISION MAKING PROCESS AND VALUE OF INFORMATION ANALYSIS
- FIELD DEVELOPMENT PLAN FORMULATION AND PRODUCTION OPTIMIZATION, FROM MARGINAL FIELDS TO GIANT FIELDS
- RESOURCES / RESERVES ASSESSMENT
- RESERVOIR CHARACTERIZATION, RESERVOIR MODELING, RESERVOIR SIMULATION
- RESERVOIR MANAGEMENT & MONITORING



SCOPE OF SERVICES

- *Structural modeling*
- *Regional or semi-regional multi-reservoir models adapted to asset modeling using Volume-based method.*
- *Reservoir or Sector modeling*

- *Rocktyping*
- *Core description and Lithofacies identification*
- *Electrofacies definition*
- *Dynamic calibration of rock types*

- *Petrophysical modeling*
- *Petrophysical characterization and calibration*
- *D-trending of petrophysical parameters*
- *QA/QC of petrophysical modeling*

- *Sequence Stratigraphy*
- *High resolution Well correlations and sequence stratigraphy*

- *Integrated 3D Reservoir Static & Dynamic Modelling*
- *Fluid flow simulation*
- *Fractured reservoirs simulation*

- *Well test interpretation and modelling*
- *Production history matching & forecasting*
- *Production Forecasting*
- *Drilling target definition*

- *Enhanced Oil Recovery (from lab to pilot and full field implementation)*
- *Chemical EOR from product formulation to full field implementation*

- *Uncertainty analysis*
- *MonteCarlo uncertainty analysis*
- *Equal sampling sensitivity analysis*



DOMAINS OF EXPERTISE





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