



EGYPT UPSTREAM GATEWAY
MINISTRY OF PETROLEUM & MINERAL RESOURCES

EUG Highlights

GPC Workshop 2023

Mohamed Radwan

Agenda



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- **EUG Overview**
- **EUG Highlights**
- **Embracing AI**
- **Summary**

Sector Modernization Project



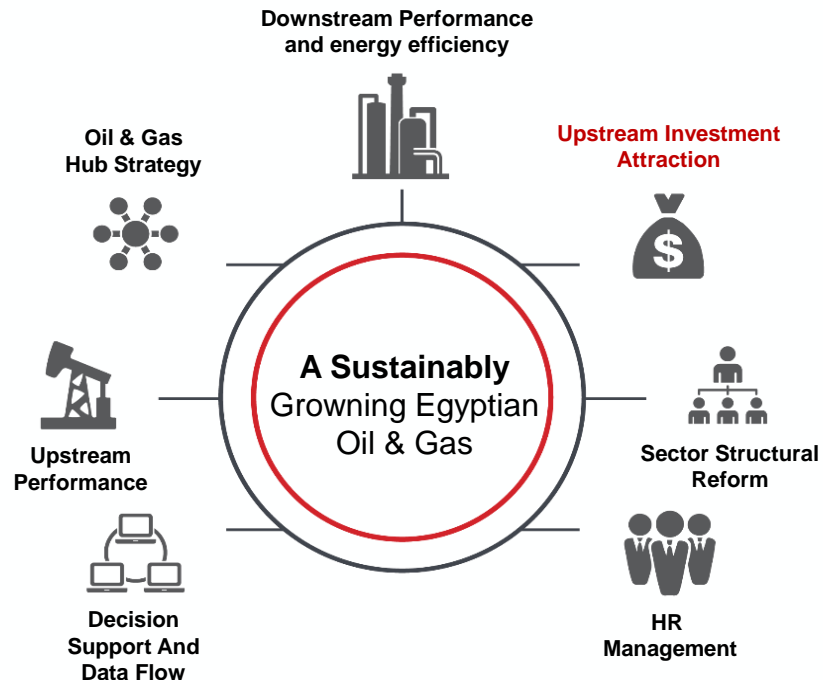
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H.E. Tarek El Molla
Minister of Petroleum
& Mineral Resources

“ All the Egyptian Oil and Gas Sector’s companies had subscribed to EUG which is one of the significant success stories of the sector’s Digital Transformation Journey setting an example for international oil and gas sectors to follow.”

EOG 8th Convention Live Interview



Ministry Vision



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Digitization



Digitization improves efficiency by applying technology to individual resources or processes

Digital transformation



Digital transformation digitizes whole aspects of a business producing customer experiences that support what individuals need or want

Digital reinvention



Digital reinvention incorporates digital technologies like never before to create revenues and results via innovative strategies, products and experience

Disruptive trends in the O&G industry



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Data overload and
reliance on traditional,
non-scalable methods



Workforce transition
and shortage of skills



IoT, data and
computationally intensive
technologies



Declining giant fields,
slow reserve replacement
rates

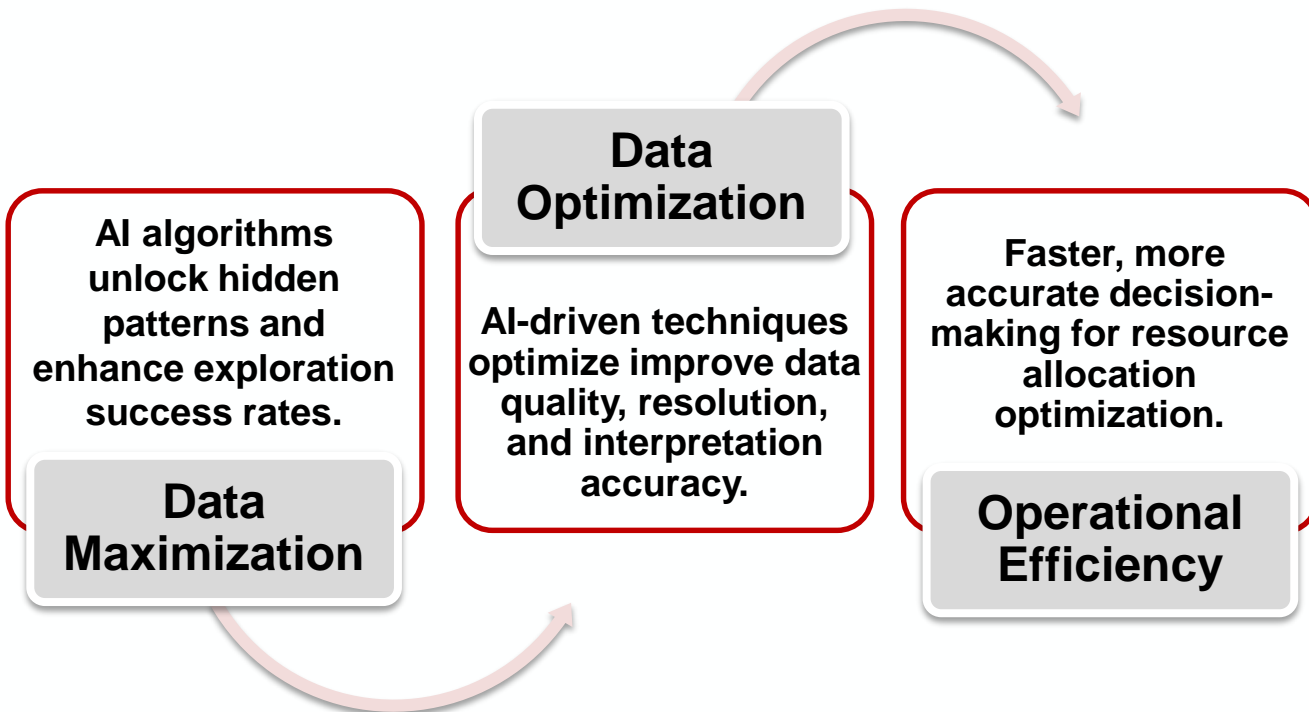


Challenges and risks
in new E&P frontiers

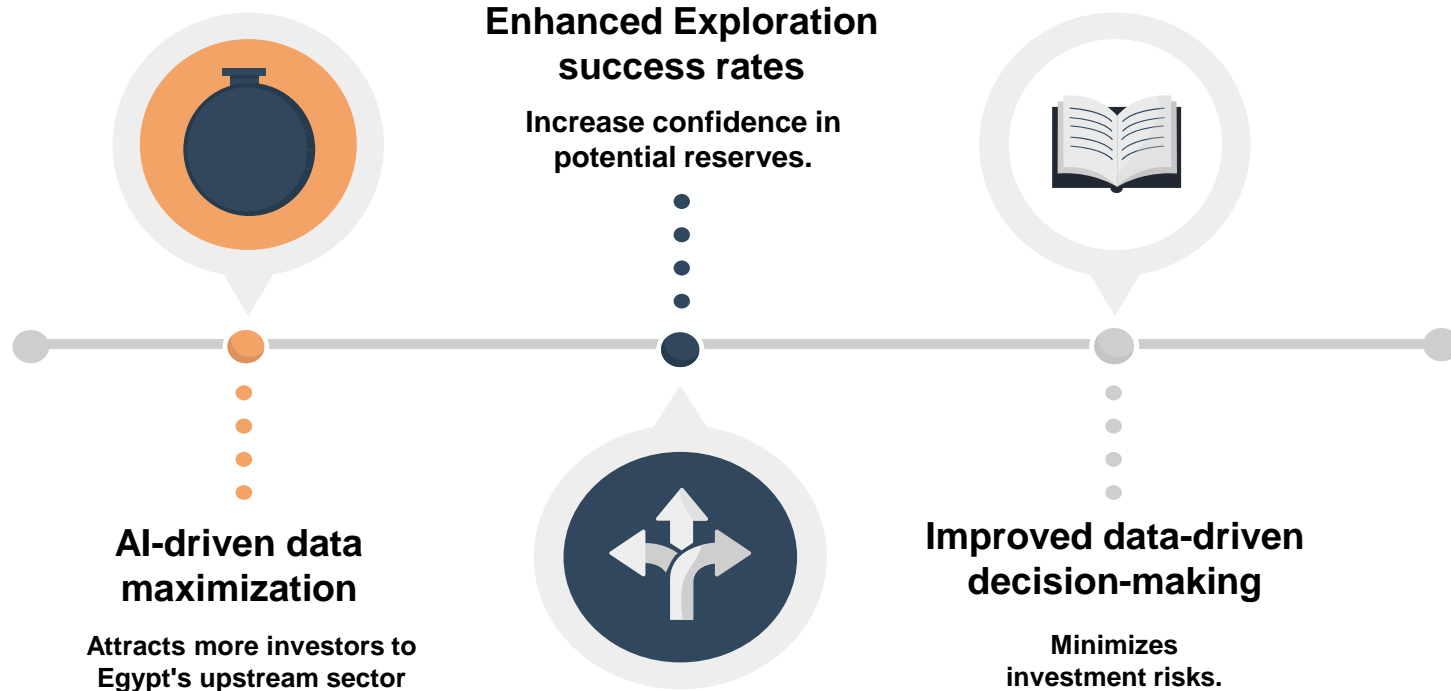
AI Objectives



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Increasing Investment opportunities



Green Energy



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01

Increased efficiency aligns with green energy initiatives, reducing carbon footprint.

02

AI optimization reduces seismic data acquisition and processing resources.

03

Supporting sustainable practices attracts environmentally conscious investors.

EUG Pillars

Digital Subsurface Platform



**Promote Egypt's Exploration
& Production Potential**

National Data Repository

Data Evergreening

Value offering



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**Faster & Easier
Access to Data**



**Insights on
Prospects for
Bid Rounds**



**Online Data
Delivery**



Data Trading



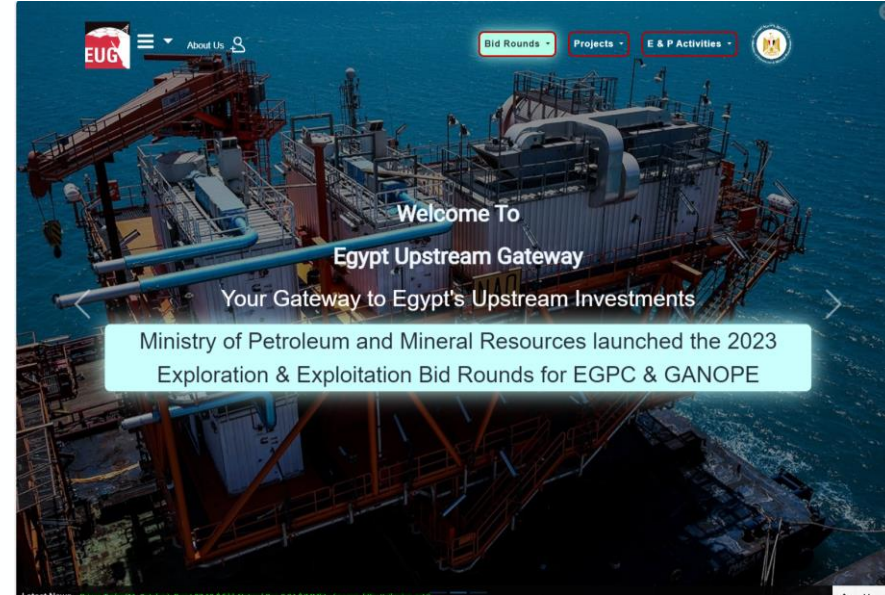
Secure Data



**Virtual Data
Room**

EUG Highlights

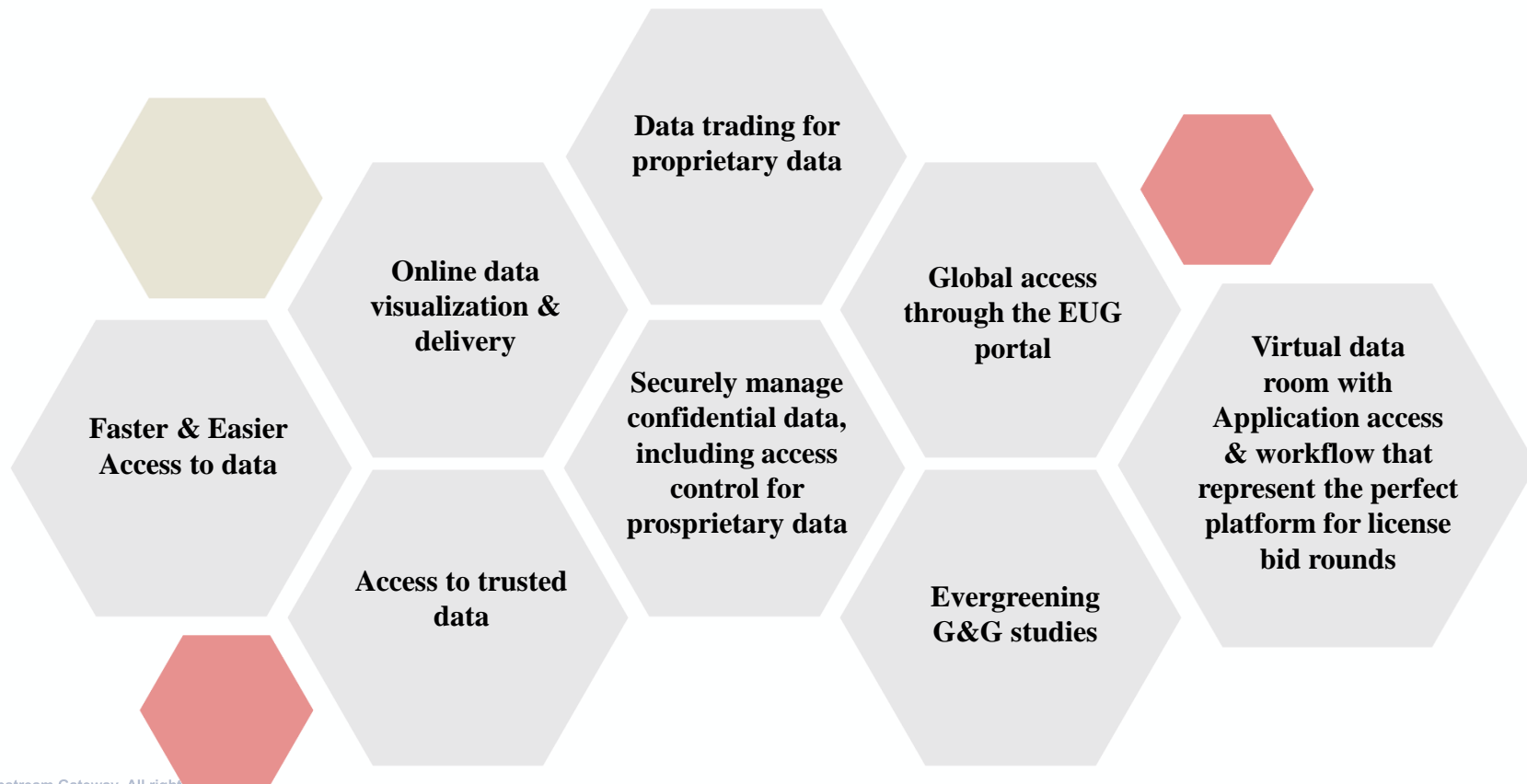
- **Launching 7 International Bidrounds since go live date Feb. 2021**
- **Building huge IT Infrastructures**
- **Loading 95 % of E&P Data**
- **Merging more than 80,000 km2 of Seismic data**
- **Mapping all Mature Basins**
- **Engaging in all local and international events to promote the opportunities**
- **Developing Team capabilities and Careers**



EUG Portal Services



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EUG Activities



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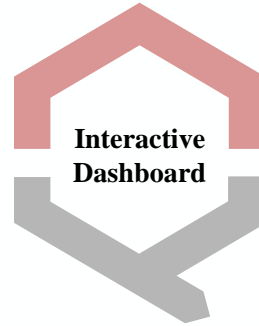
**Bid Round &
Investment
Opportunities
(Farm-in & out)**



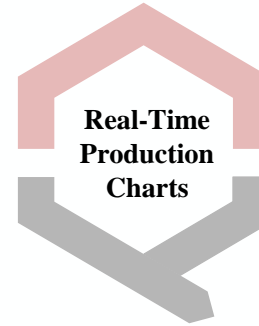
**Regional
Seismic Data
Merge
(Pre-stack &
Post-stack)
across all basins**



**Regional
Perspectivity
mapping**



**Brown filed
Studies**



CCS Studies

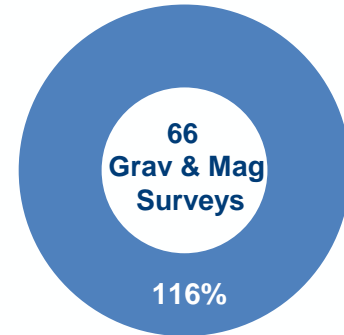
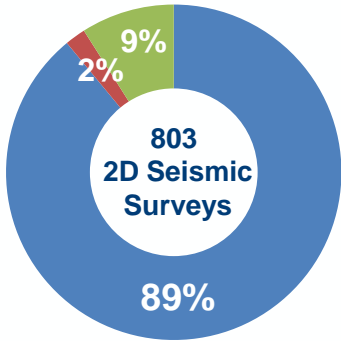
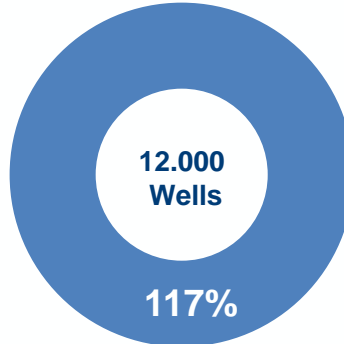
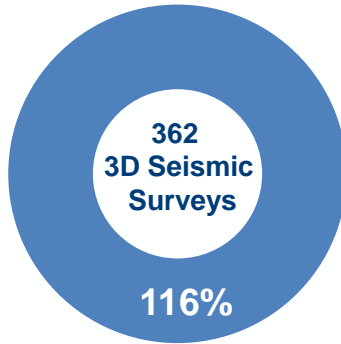


**Virtual Data
Rooms 'VDR'**

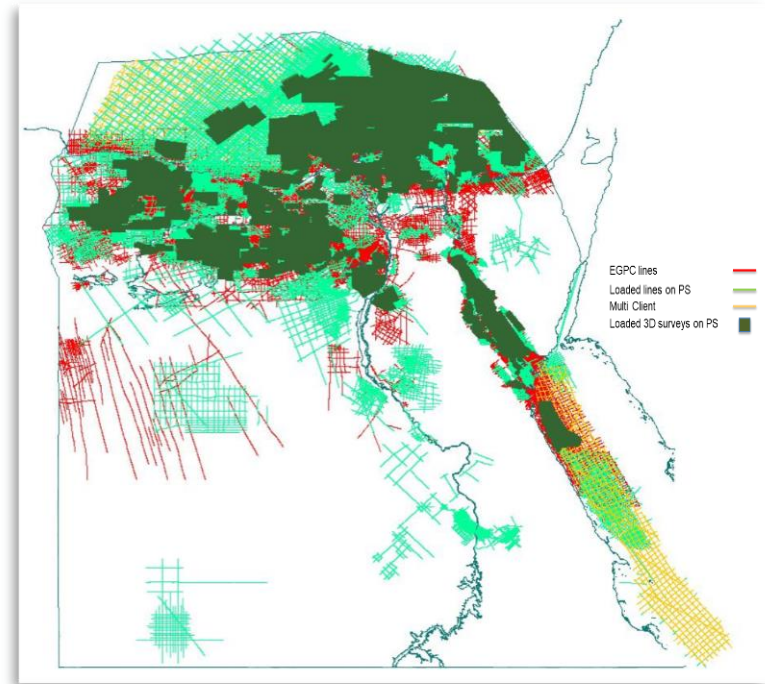
Legacy E&P data are loaded at your fingertips



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Loaded
Transcribed
Work in Progress



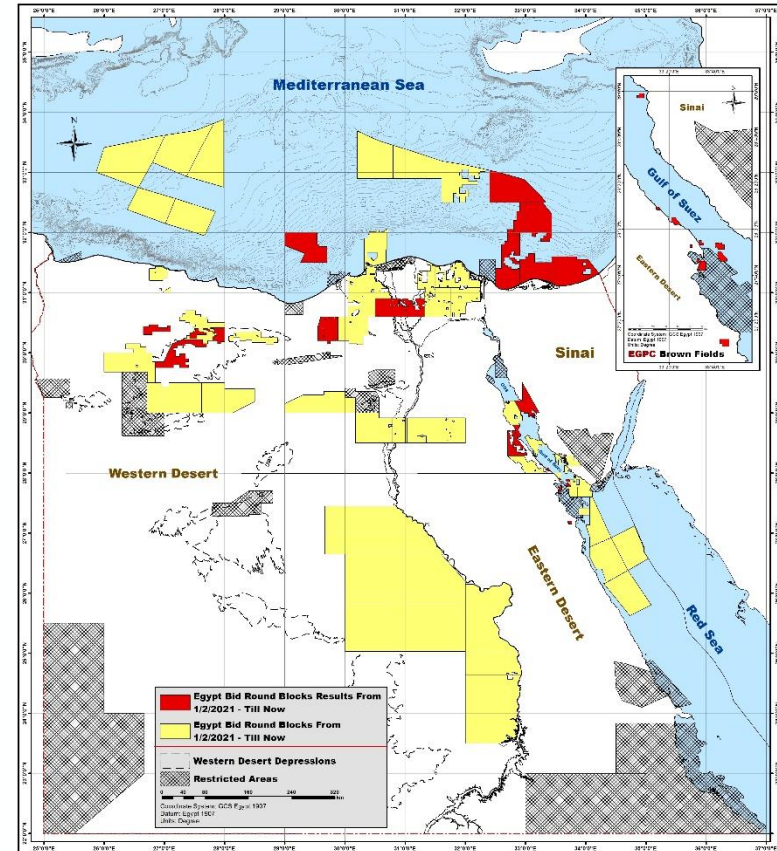
- Digitalization of all data types
- Prioritization of data supporting
- licensing round activities

EUG Contribution to E&P business



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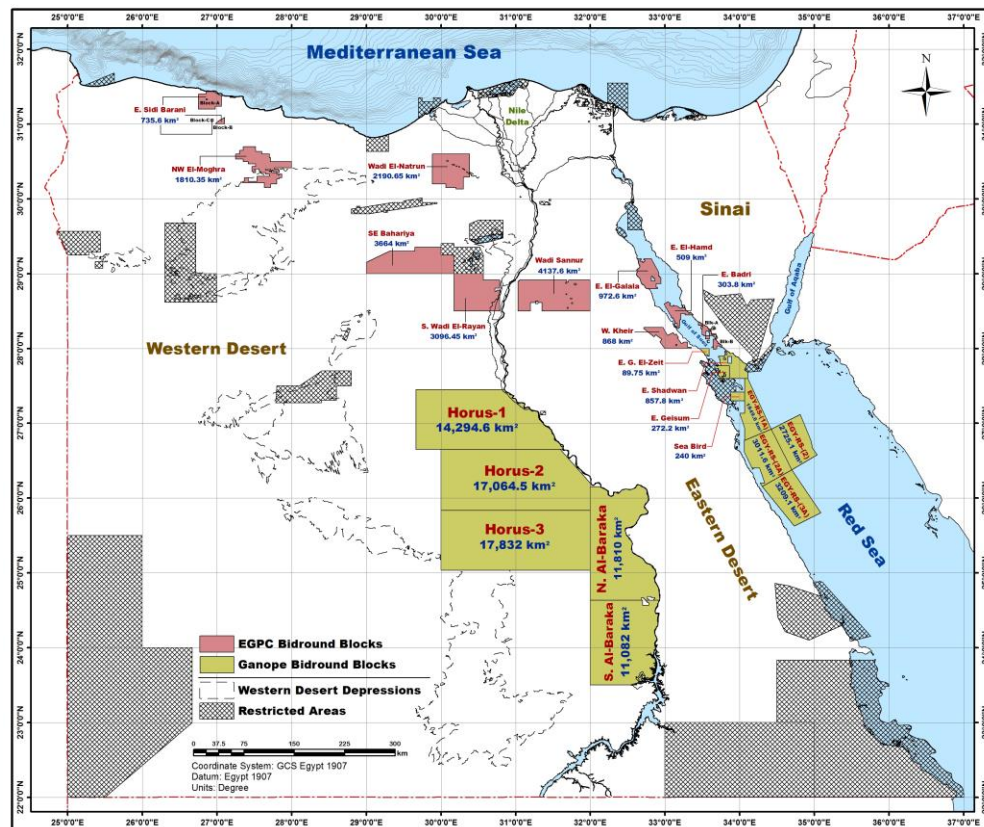
- EUG Launched 7 International bidrounds since Go-Live date on Feb. 2021 for 68 Blocks
- 3 Bidrounds for EGPC , 3 for EGAS and One for GANOPE
- 13 Blocks were awarded , 8 under evaluations and 23 blocks for the current bidround
- More than 55 Data rooms (95 % Virtual & 5 % physical were run)
- EUG with MOP/EGPC/EGAS/GANOPE support targets to have 2 new companies to the market annually



2023 EGPC & Ganope Bid Rounds



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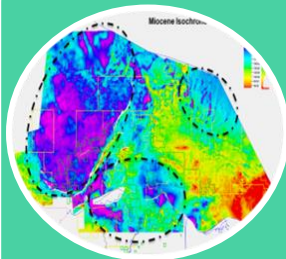
Evergreening Concept



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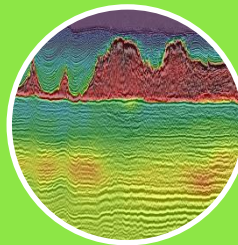
1. Using
Legacy
database



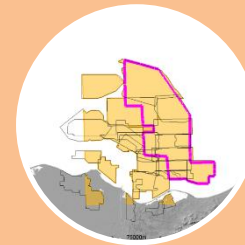
2. Regional
Evaluation
&
Lead
definition



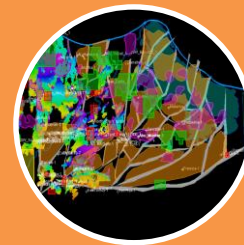
3. Fairway
Identification



4. Regional
Velocity
update



5. Pre-stack
Depth
Processing
Merge



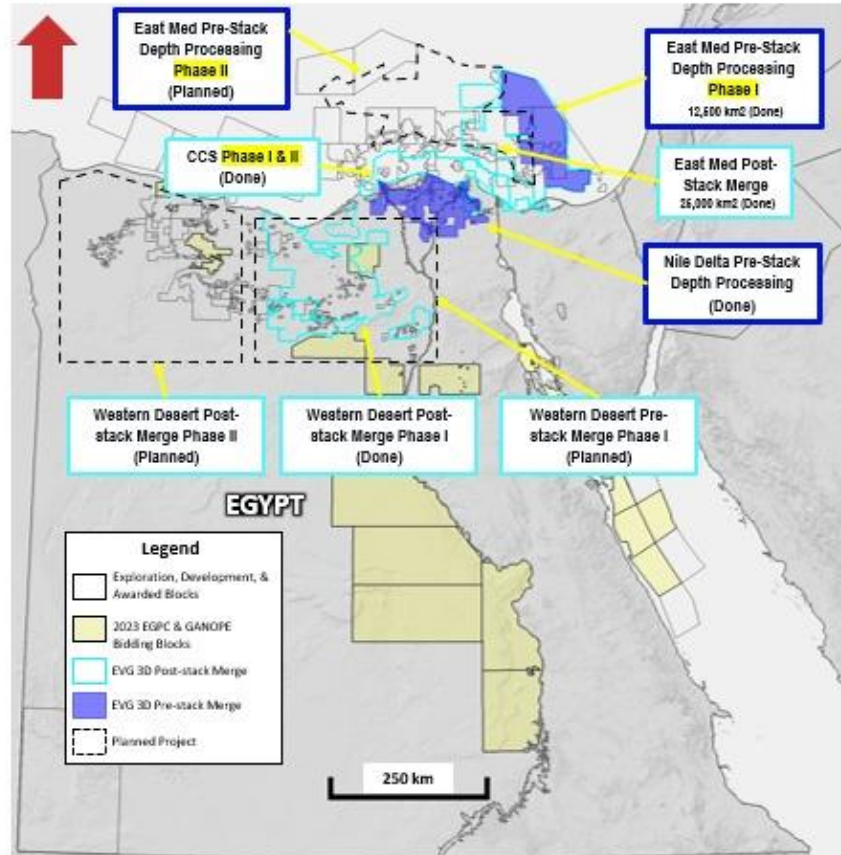
6. Updated
Regional
Interpretation
&
New
Leads

Integrated Evergreening Workflow

Evergreening Projects Updates



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EUG Members (43 Companies)



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ExxonMobil



Mubadala Energy



Summary



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- **Egypt offers investment opportunities of varied sizes and types**
- **EUG is a digital representation of the upstream business**
- **EUG is a unique and single destination for E&P data**
- **EUG supports the market with Data , Seismic merges & technical insights**
- **EUG is leading the way by adopting AI for data maximization and reliability**
- **EUG is leveraging AI to unlock the full potential of seismic data in upstream sector**



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Thank You



Scan to visit the EUG portal