



EGAS Bid Round 2024

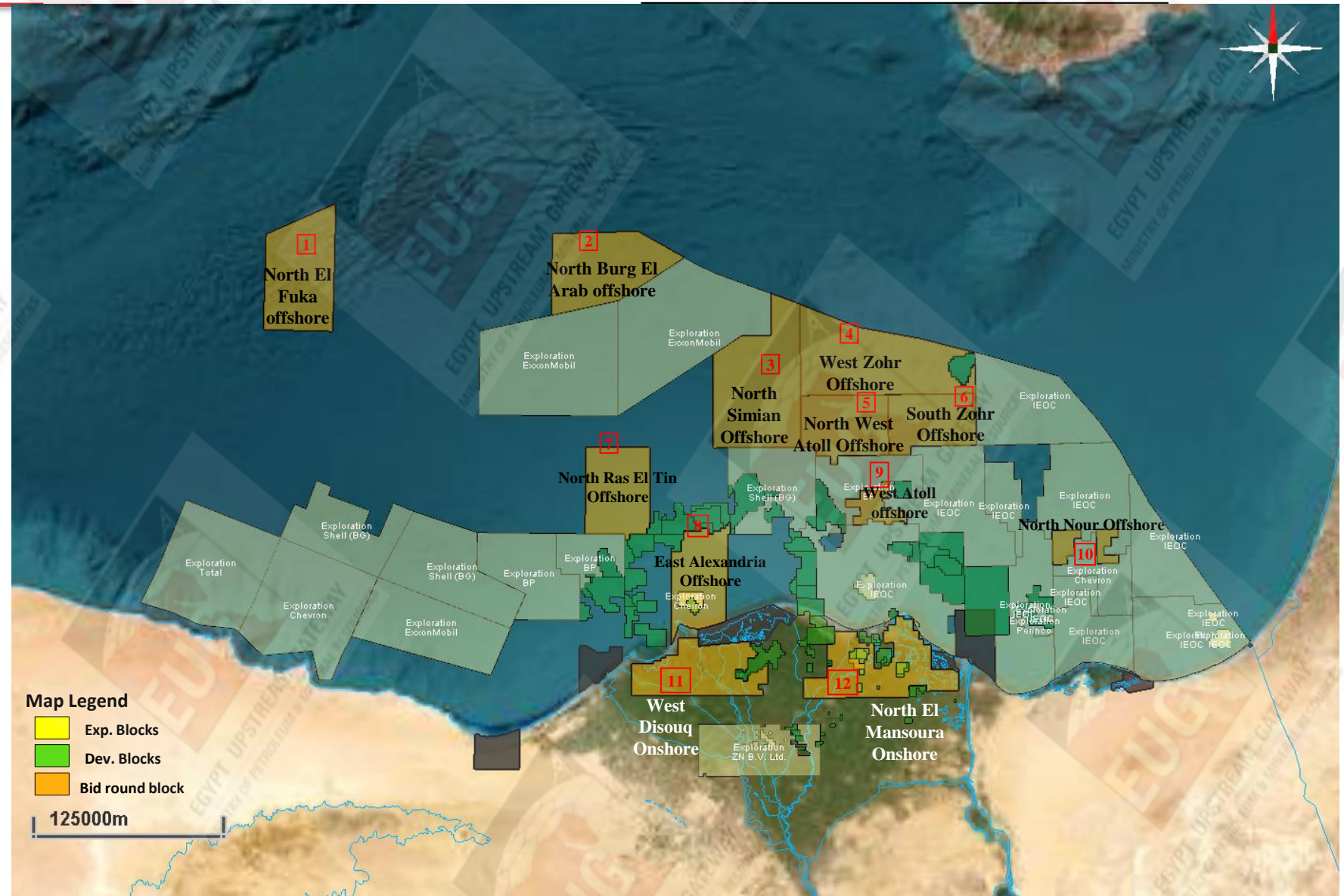
Basin Overview



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Basin Overview – BR Blocks

- 12 Bid Round Blocks in the onshore and offshore Nile Delta basins
- Block Distribution per Basins:
 - 1 Blocks in Herodotus Basin
 - 9 blocks in offshore ND, and
 - 2 Blocks in Onshore ND



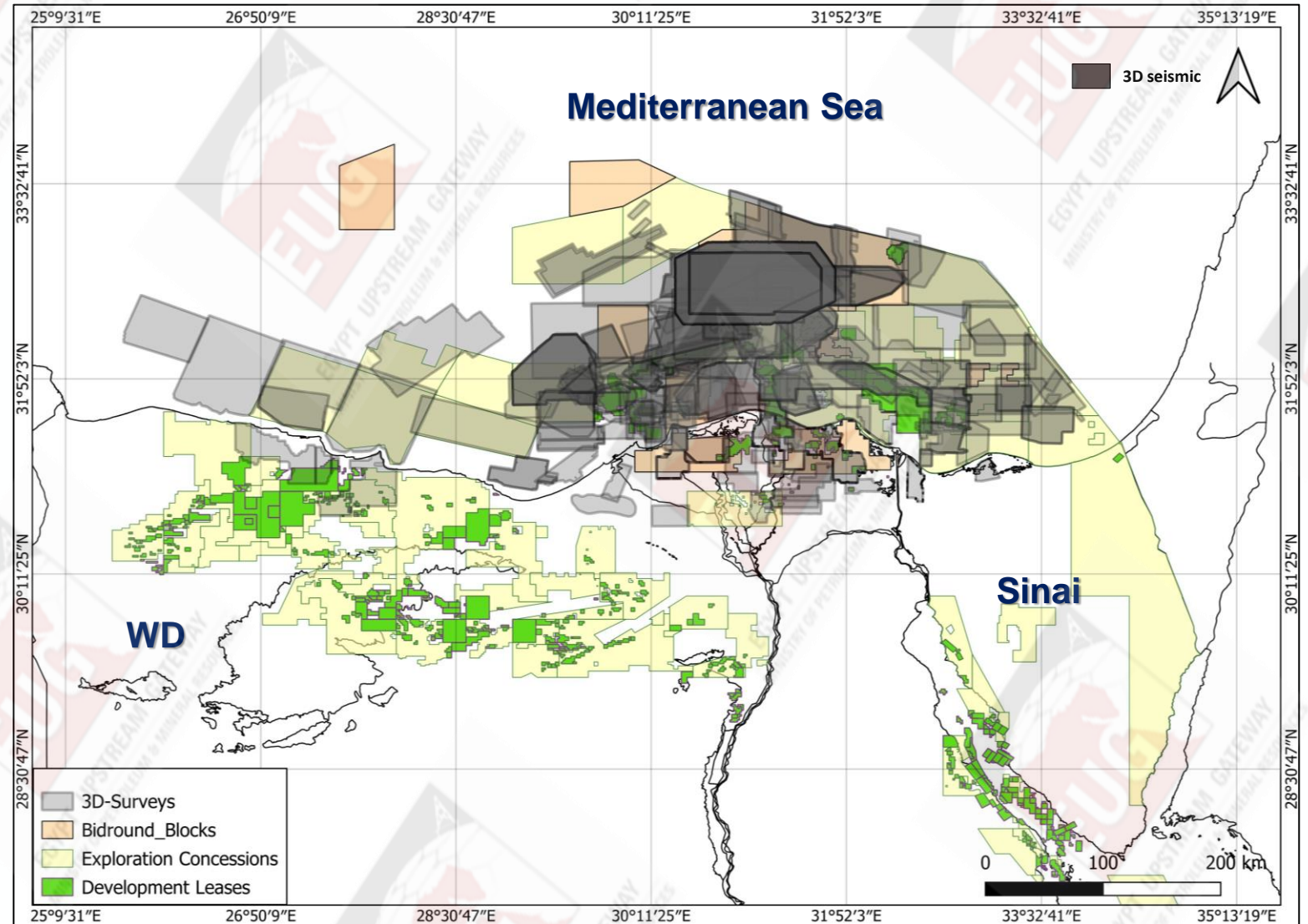
Data Coverage – 3D data

3D seismic coverage: 113k km²

- Herodotus basin Coverage: 27k km²/27% (7 Surveys)
- Levant and offshore Nile Delta = 76k km² / 76% (83 Surveys)
- Onshore Nile Delta Coverage: 10k km² (15 Surveys)

Total cubes number :105 Surveys

The 3D seismic surveys were conducted using various technologies, including streamer and node systems. and processed with both older and more recent technologies, such as Pre-Stack Time Migration (PSTM) and Pre-Stack Depth Migration (PSDM)

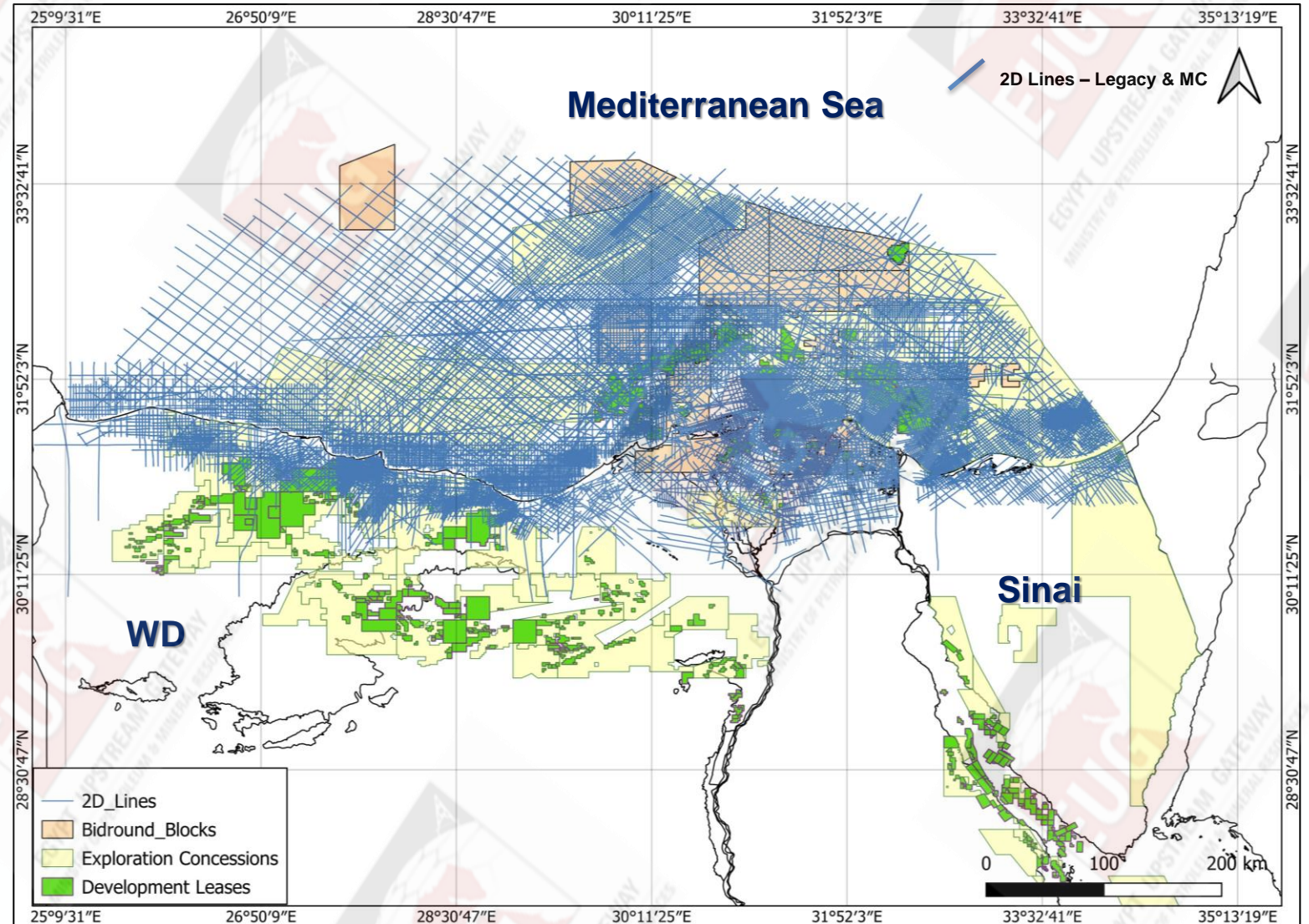


Data Coverage – 2D seismic

2D seismic coverage: 188k km

- Onshore: 42k km
- Offshore: 146k km

The 2D seismic surveys were conducted using streamer technology, and processed with both older and more recent technologies, such as Pre-Stack Time Migration (PSTM) and Pre-Stack Depth Migration (PSDM)

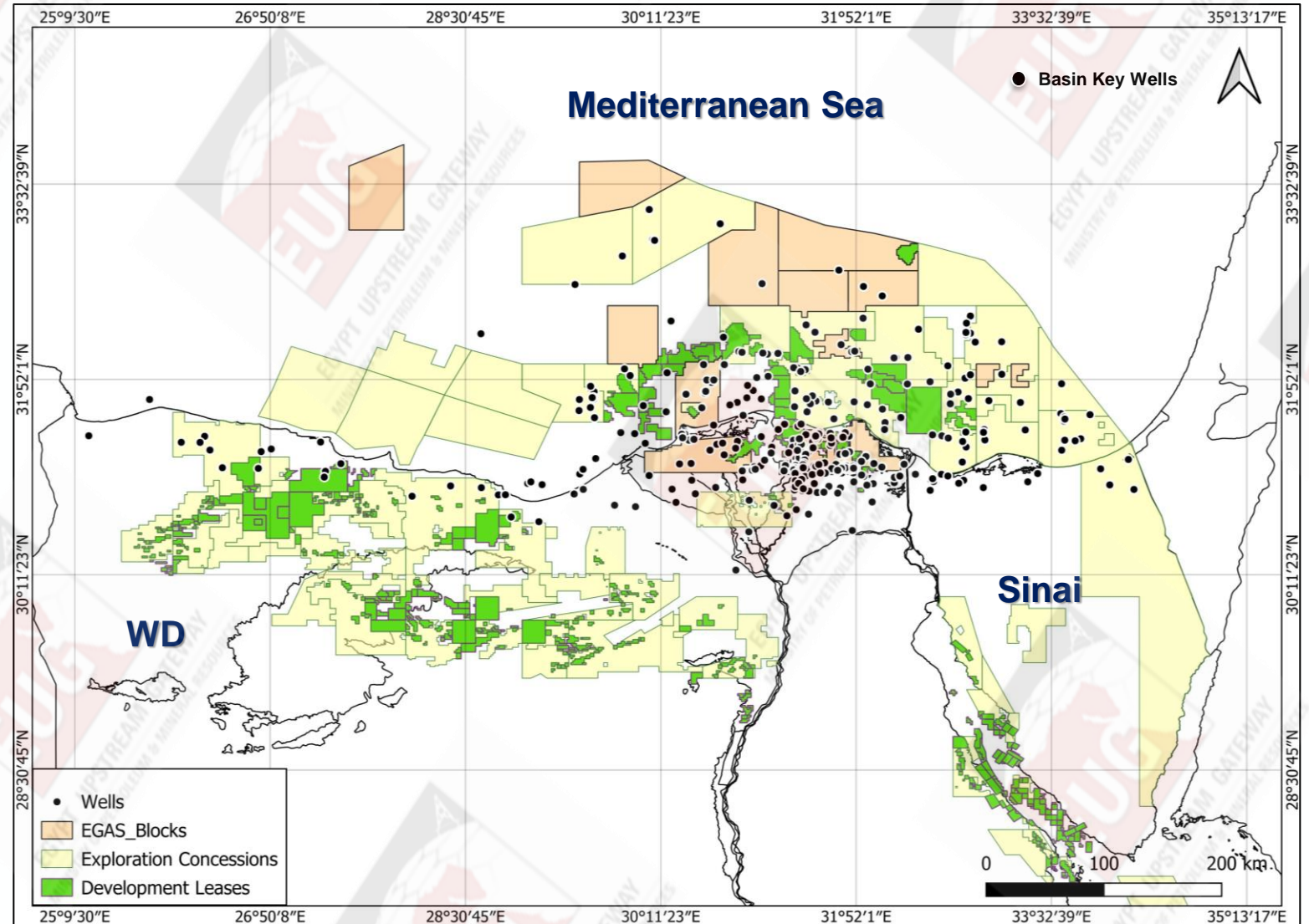


Data Coverage – Wells

No of wells: 472 wells

- Onshore: 271 wells
- Offshore: 201 wells
- Delta : 228 Wells

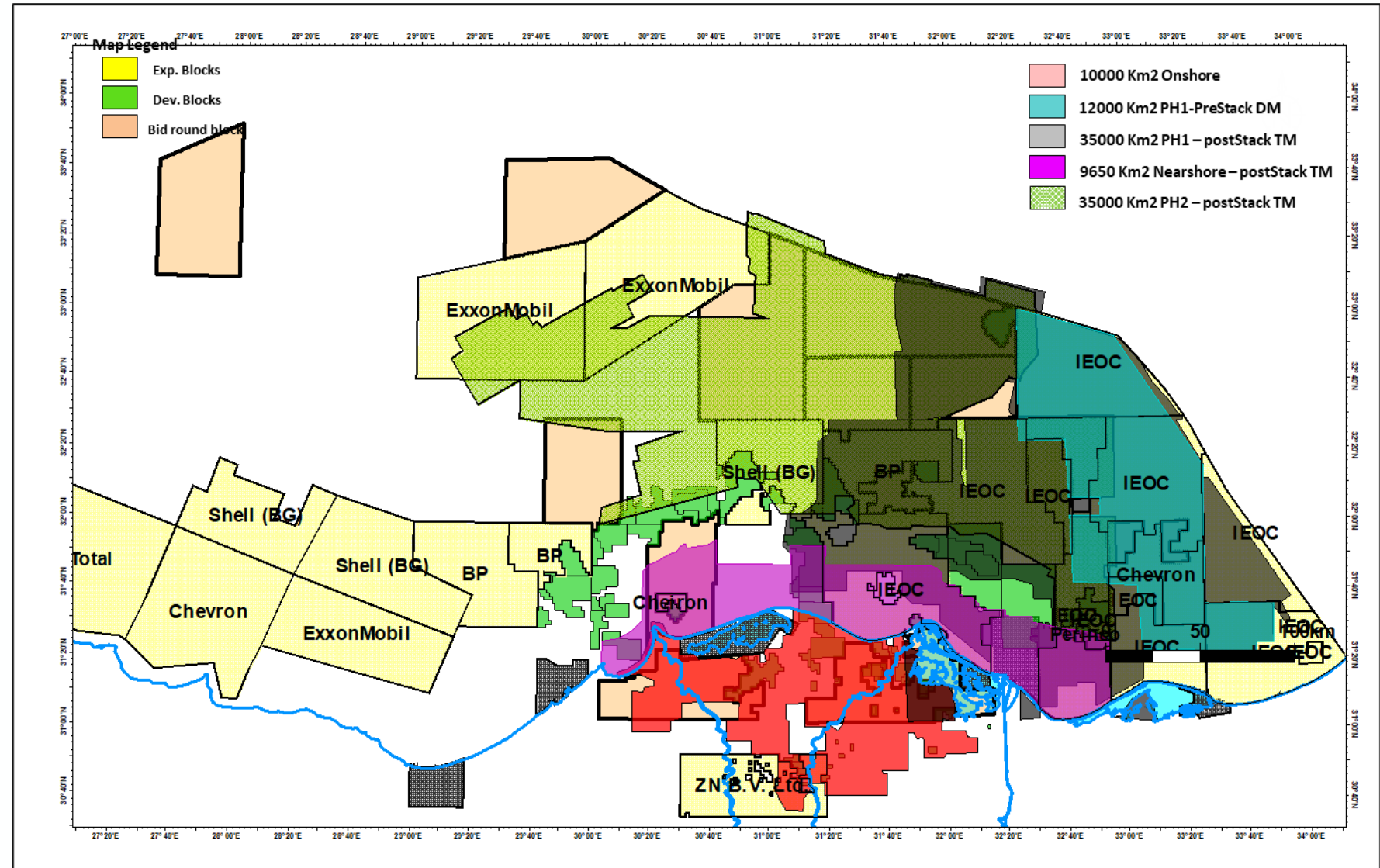
These wells drilled by more than 30 operators since 1950 till now from shallow to deep targets which reflect exploration history of these provinces



Data Coverage – Evergreening merges

BR Blocks Evergreening merges:

5 merges Post and pre- Stack Depth Migrated



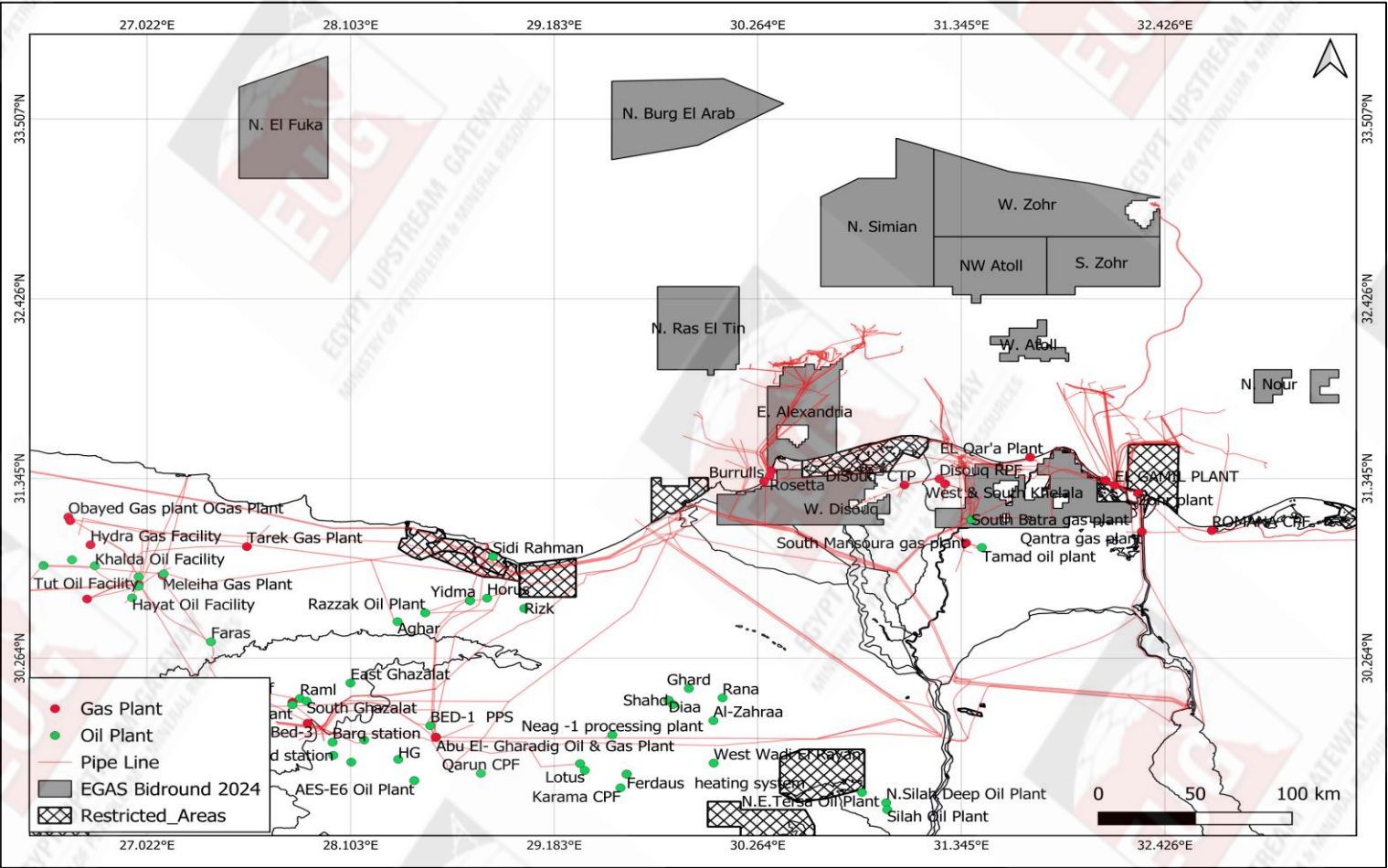
Data Coverage – Production & Facilities Status



EGYPT UPSTREAM GATEWAY
MINISTRY OF PETROLEUM & MINERAL RESOURCES

Product	Mediterranean & Nile Delta Production	% of total Egypt's Production
Oil MBP/D	0	0%
Cond MBP/D	49	66%
Gas MMSCF/D	4150	83%
LPG Ton/D	538	20%

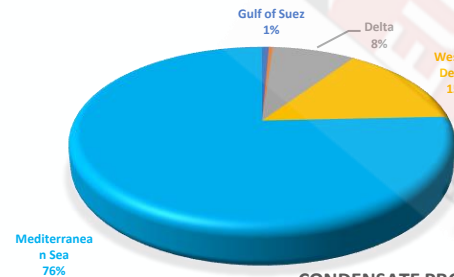
Equivalent MBOE/D	796	54%
Infrastructure	No.	
Gas Plants (GP)	11	
Platforms (PF)	18	
LNG	2	



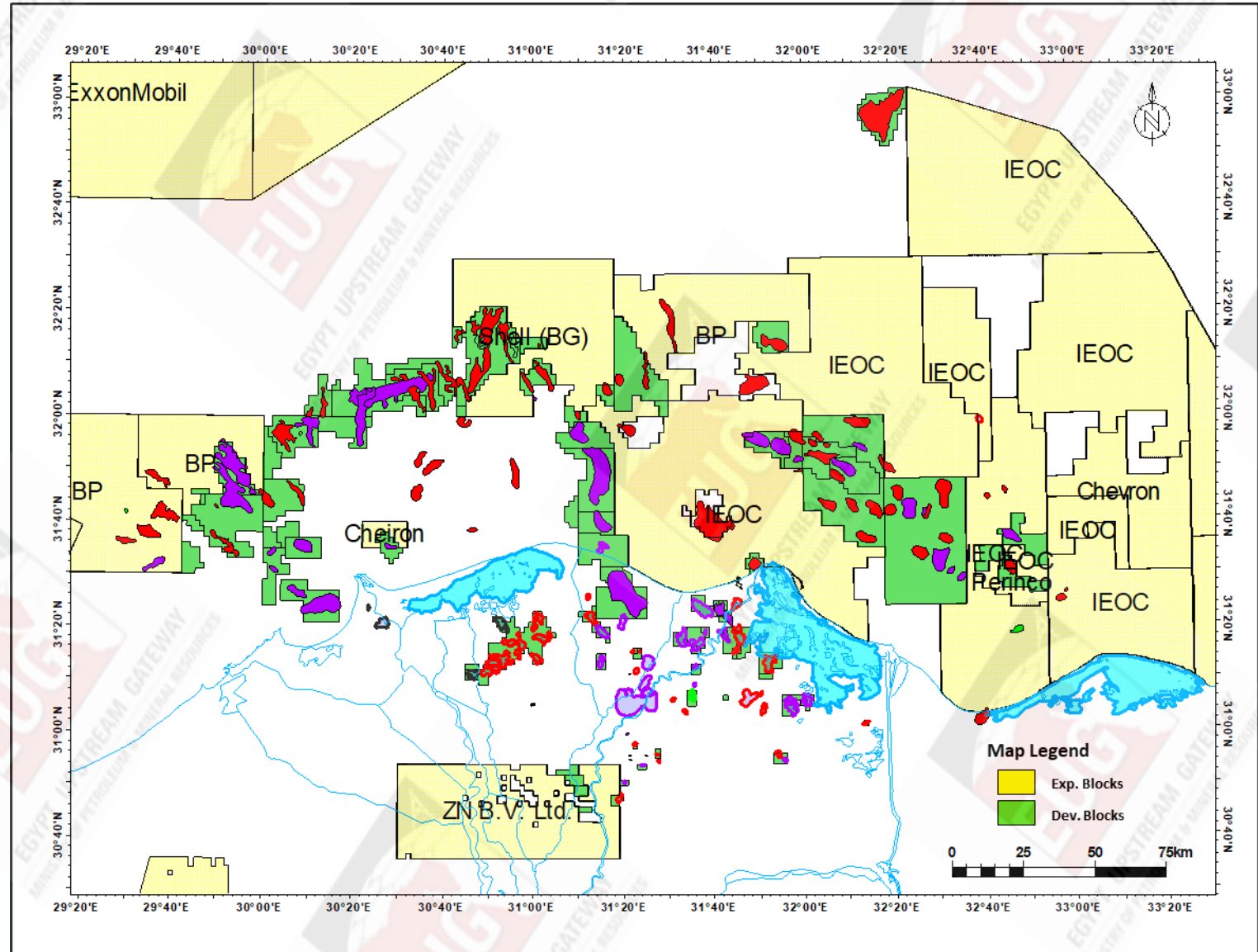
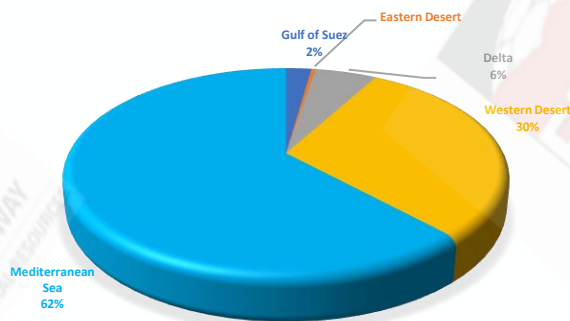
Production History – Offshore Mediterranean Fields

- **Number of Drilled Wells:** 840 wells
- **Current gas production:** 3900 MMSCF/D
- **Current Cond production:** 44, 000 STB/D
- **Current LPG production:** 5,600 STB/D
- **Total production:** 49 % of Total Egypt Production
- **Total Gas plant:** 11 Plants

GAS PRODUCTION



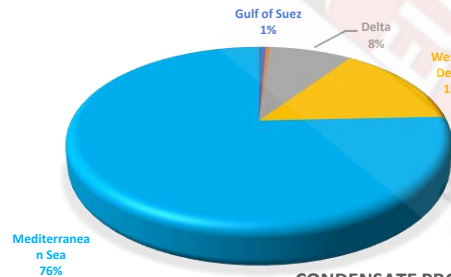
CONDENSATE PRODUCTION



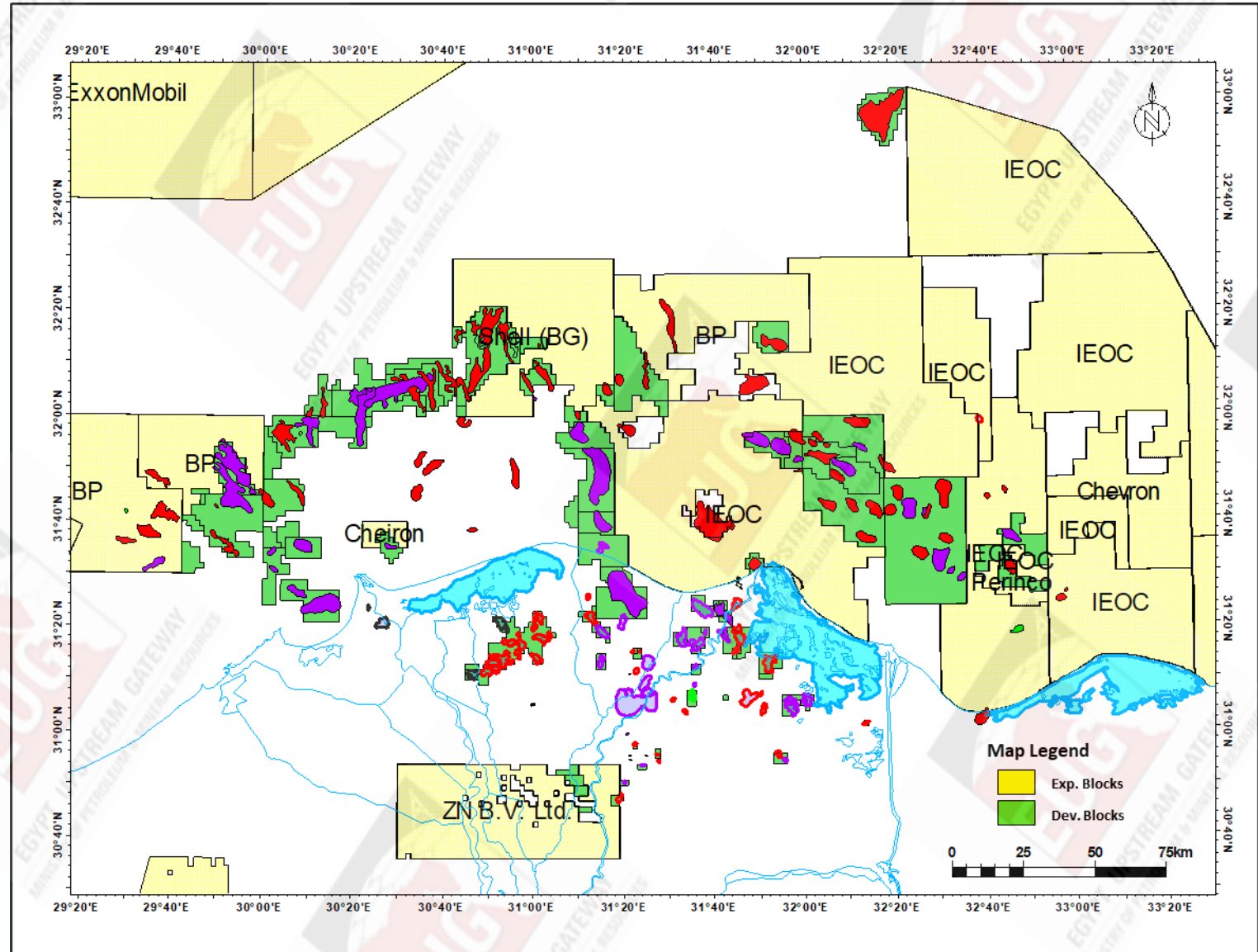
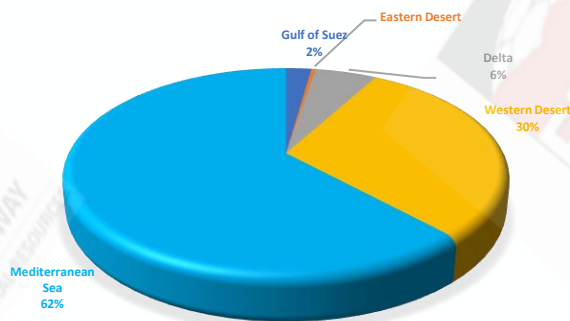
Production History - Onshore Nile Delta Fields

- **Number of Drilled Wells:** 550 wells
- **Current gas production:** 420 MMSCF/D
- **Current Cond production:** 4400 STB/D
- **Total production:** 7 % of Total Egypt Production
- **Total Gas plant:** 6 Plants

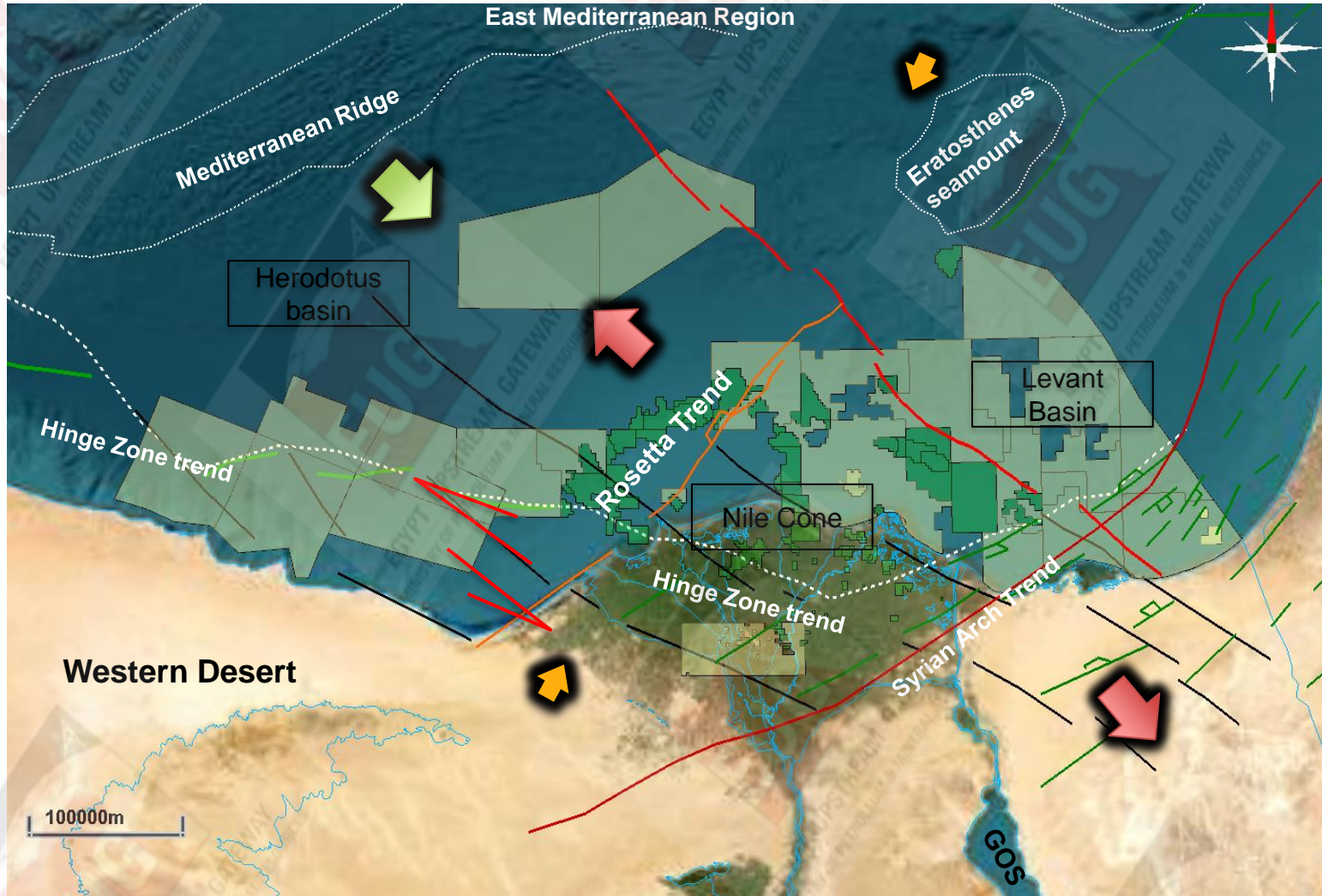
GAS PRODUCTION



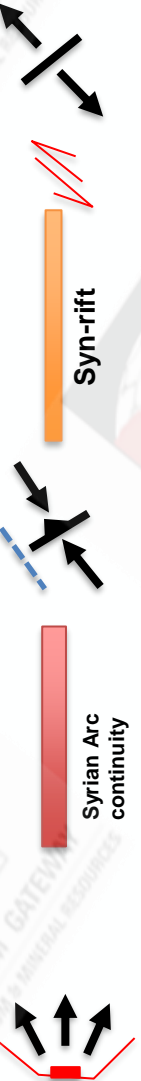
CONDENSATE PRODUCTION



Basin Overview



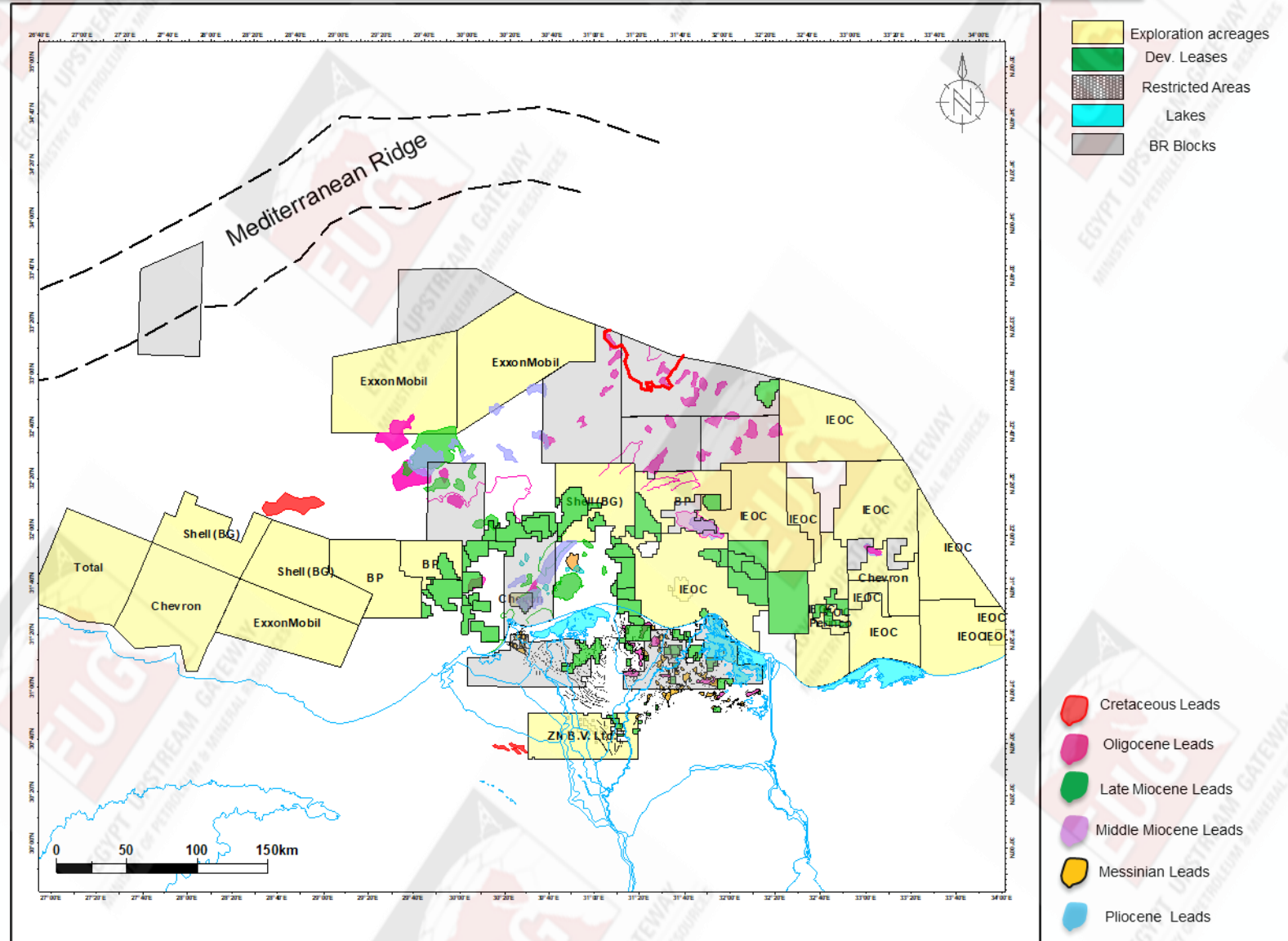
- Permo-Triassic main rift phase in East-Med and Herodotus basin
- Mesozoic rift continuation
- Early Cretaceous extensional reactivation of major basin- bounding rift faults
- Cretaceous Convergence between African- Eurasian plates
- Late Miocene transpression due to the collision of the African and Anatolian Plates
- Messinian Salinity Crisis
- Plio-Pleistocene Gravitational collapse growth faults



Nile Delta & Mediterranean Stratigraphic Column: Haq et al., 1987, Adrill et al., 1998 and Hardenbol, 1998

Prospectivity Maps - Offshore Nile Delta

- The open area have many targets in the whole tertiary besides the Cretaceous carbonate play
- The regional screening shows a running room for the Eastern Nile delta in terms of numbers and distribution
- Additional prospects could be mapped and evaluated in Herodotus basin especially the Mesozoic carbonate platform and slope turbidities
- The Pliocene play is always considered the most reachable target in Mediterranean production history



Prospectivity Maps - Onshore Nile Delta

- Onshore Nile Delta has many targets starting from Pliocene to Cretaceous
- The studied intervals show good opportunities in terms of numbers and distribution
- Other new concepts need to be considered, like as the Mesozoic extension opportunities and for the Messinian level the possibility of having Abu Qir trend that is equivalent to Abu Madi trend

