

Arab Republic of Egypt Ministry of Petroleum



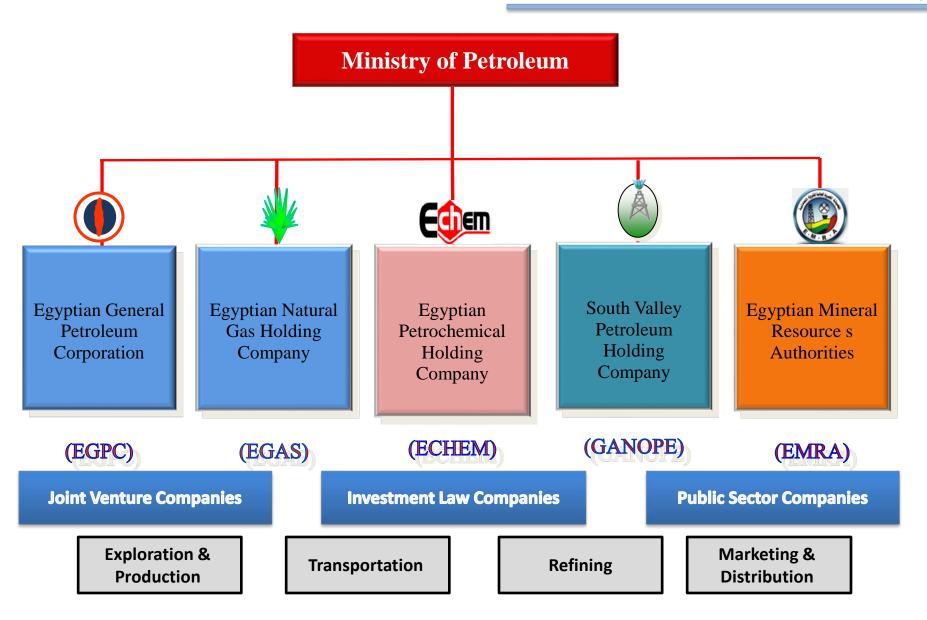
Data Collection: Challenges and Success Stories

By:
Ismail Mohamed

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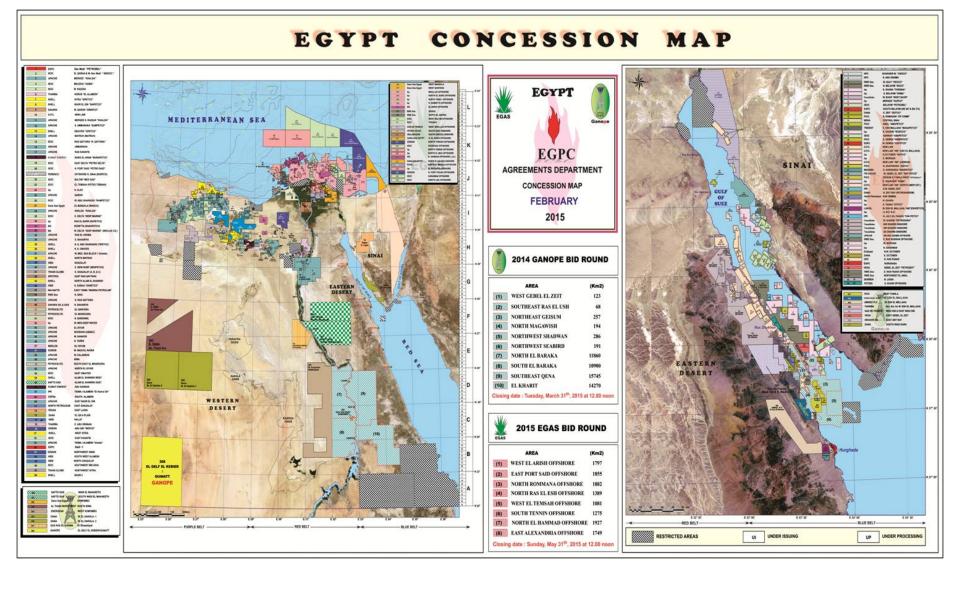
- Egyptian petroleum industry overview
- Data collection
- Data transparency and sharing
- GIS project milestones
- GIS implementation challenges

Structure of Petroleum Industry

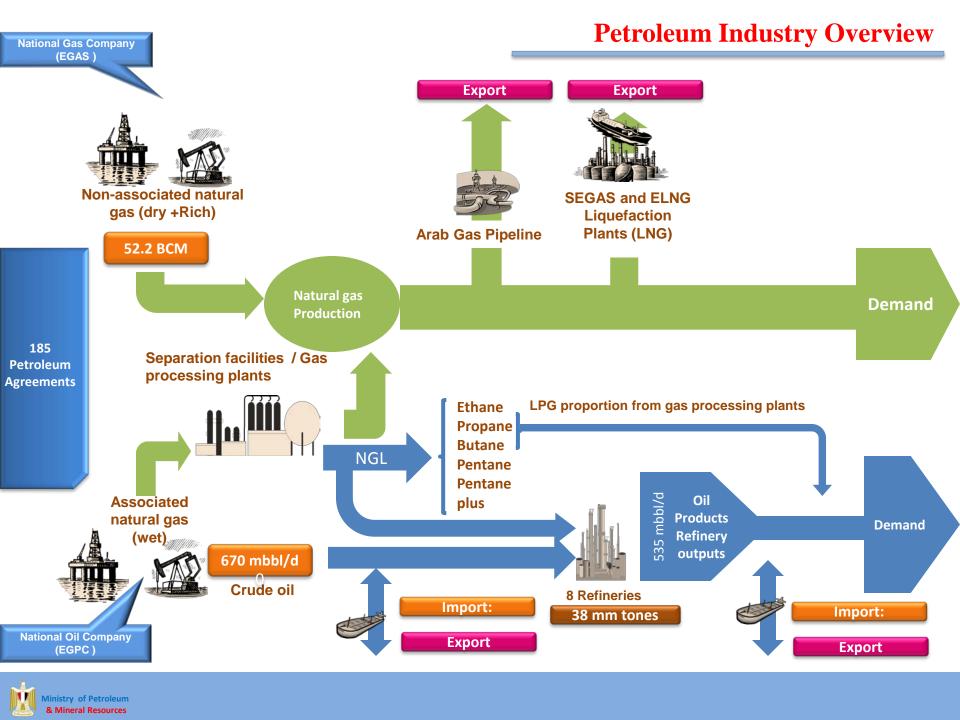




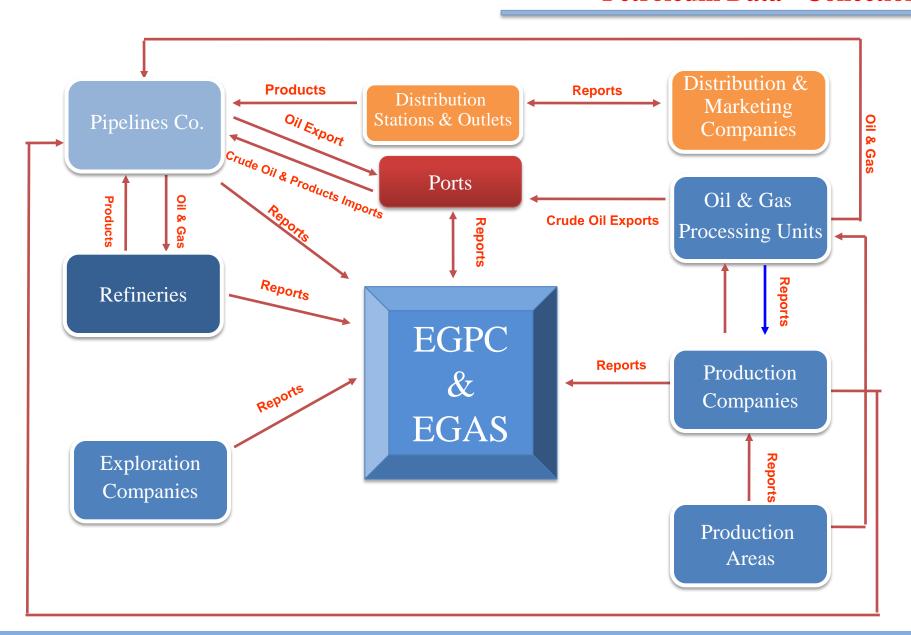
Concession Map



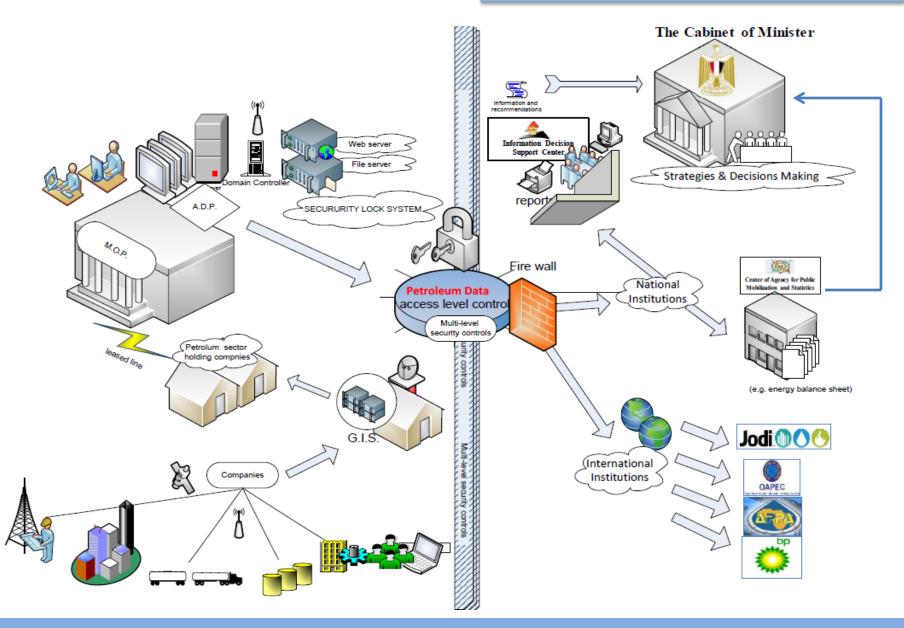




Petroleum Data - Collection



Data transparency & Sharing



Macroenvironmental Analysis

Operating Environment

- Global competition increasing
- Target fields more complex and small
- Maturing portfolios
- Volatile oil prices

Industry Concerns

- Reduction of risk
- Reduction of uncertainty
- Reduction of cycle times
- Reduction of costs
- A continuum of E&P
- Management of diverse portfolios

What Is Needed?

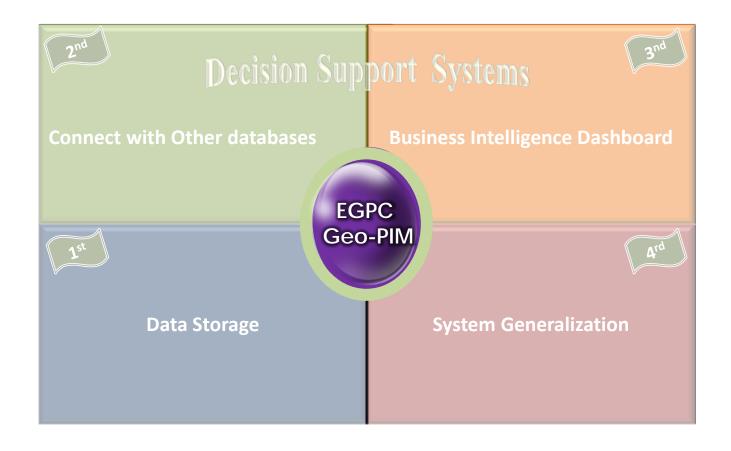
- Easy Access to quality information
- Planning, resource allocation and management
- Workflow support,
 Group communication tools
- Decision support system

...Prerequisite to all of the above is an optimal IT and data management environment...



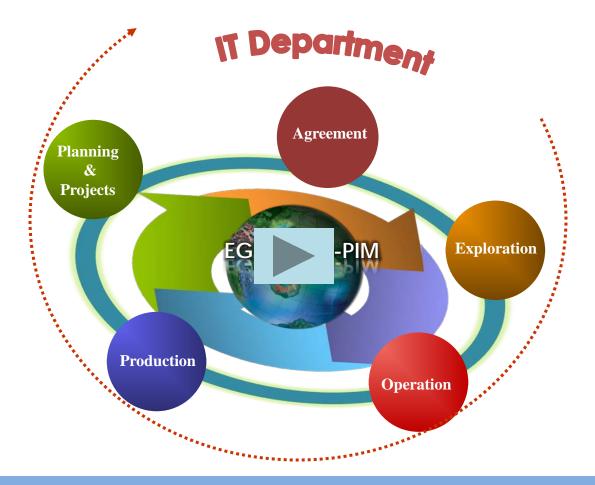


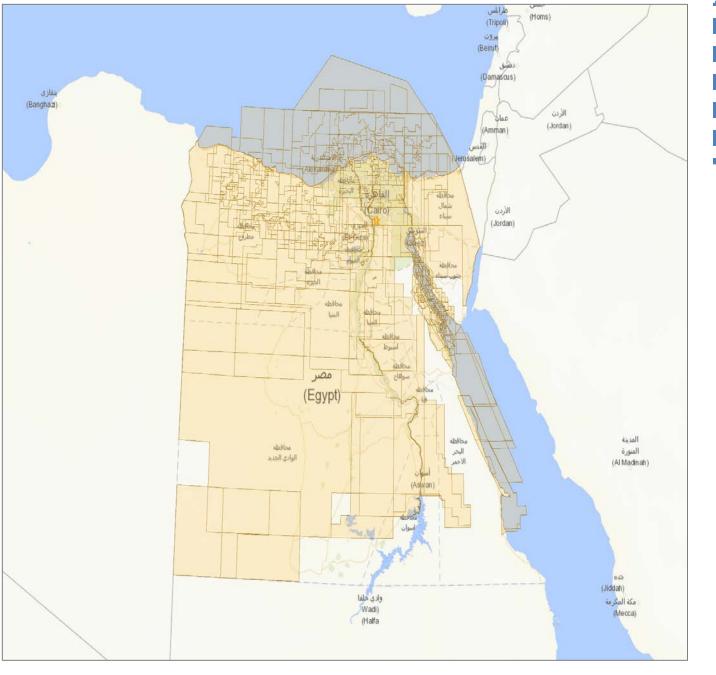
Geo-PIM GIS Milestones



Current System Stakeholders

petroleum database (i.e. Agreement, planning and project, Exploration and Production) since 1990 were collected and stored, providing users with map-based access to both spatial information and its related attributes.



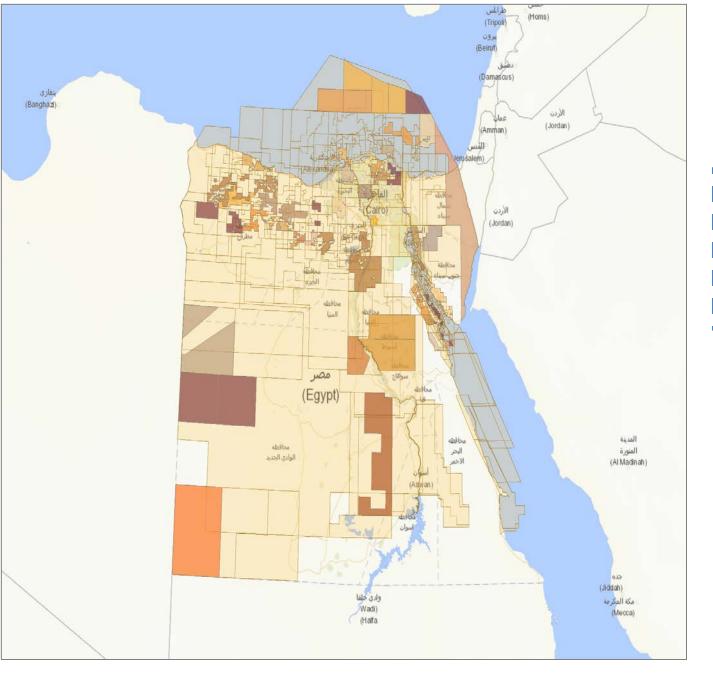










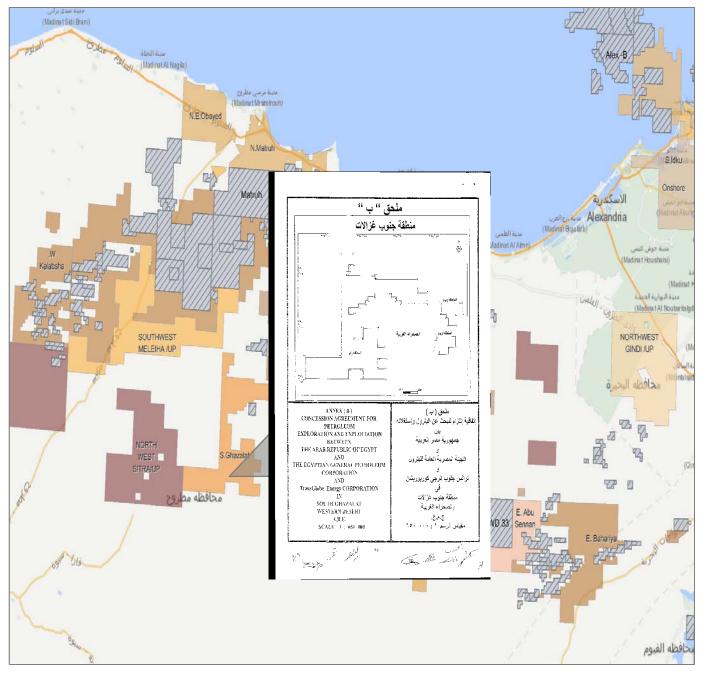






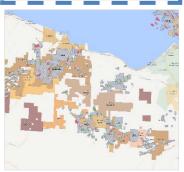


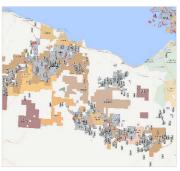


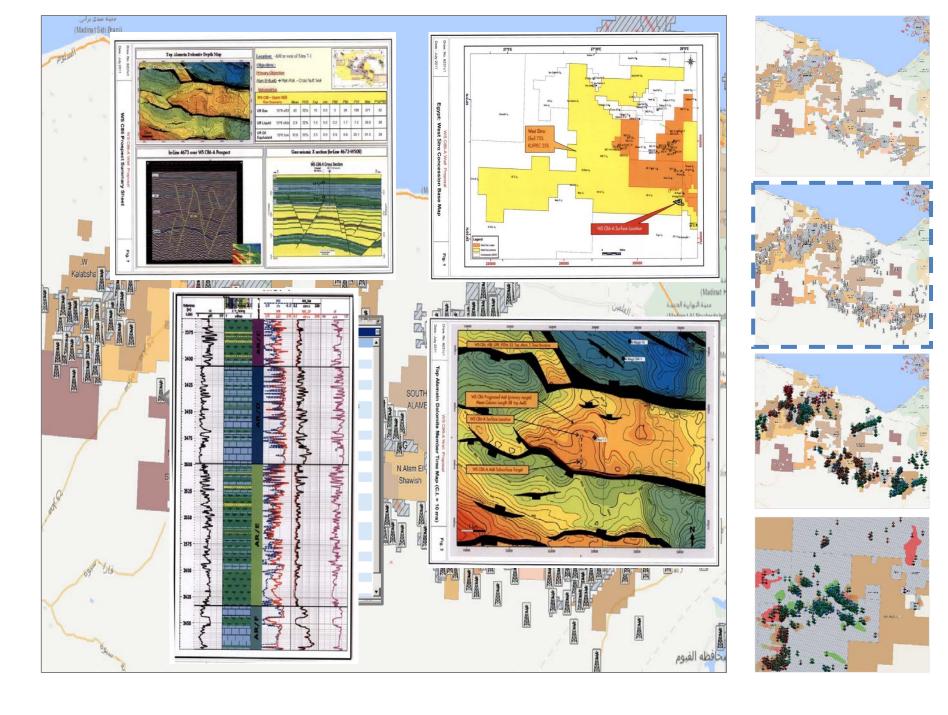


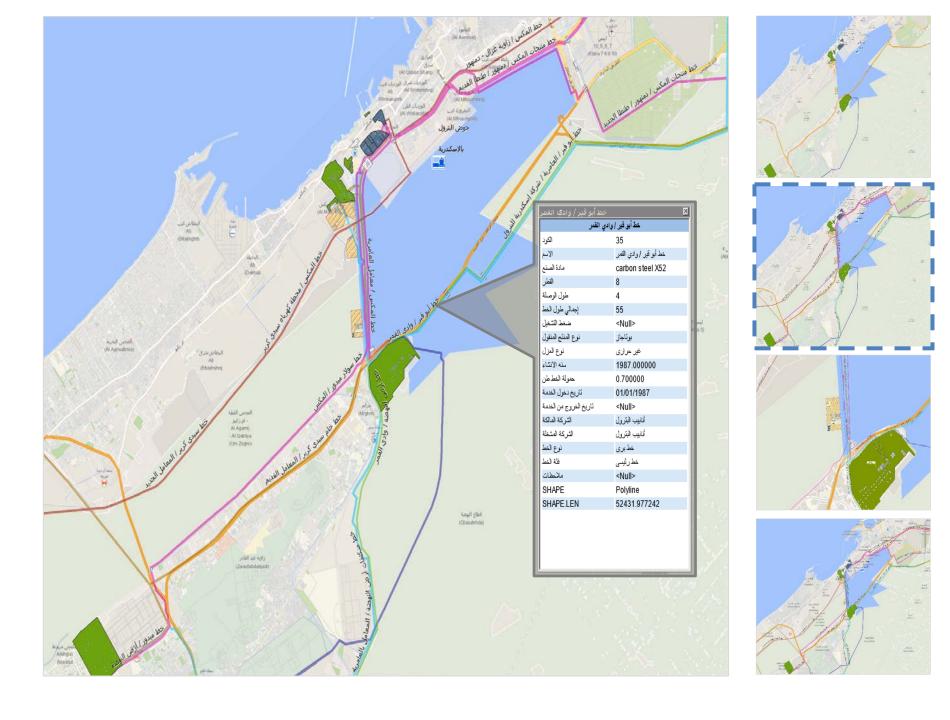




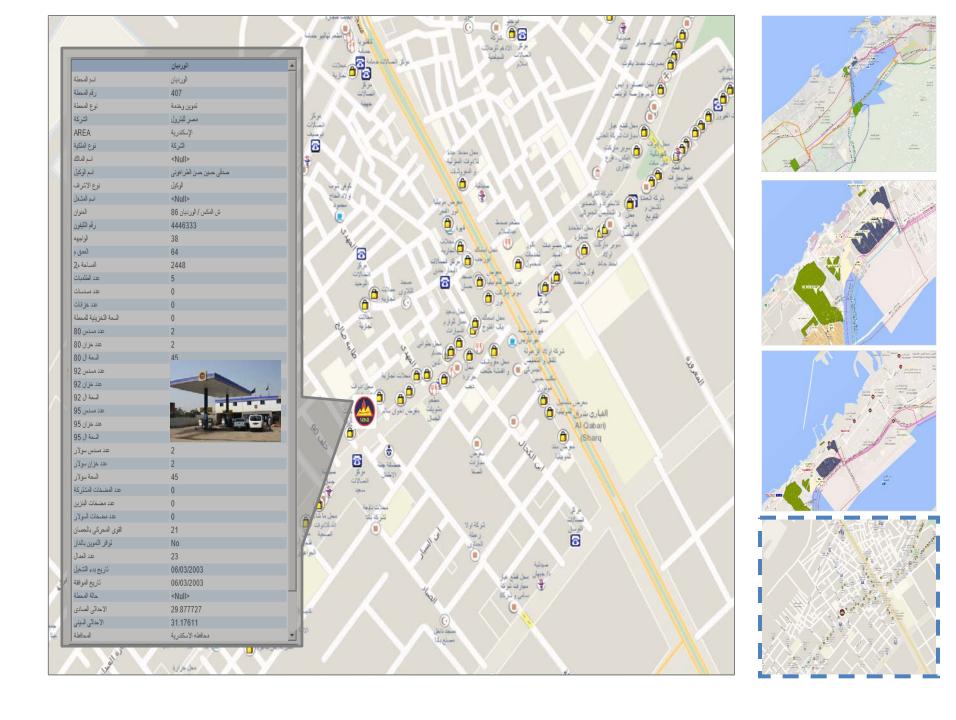












GIS Implementation Challenges

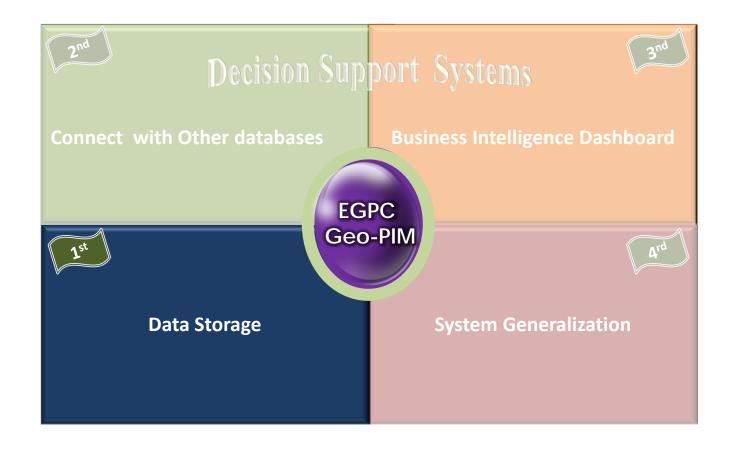




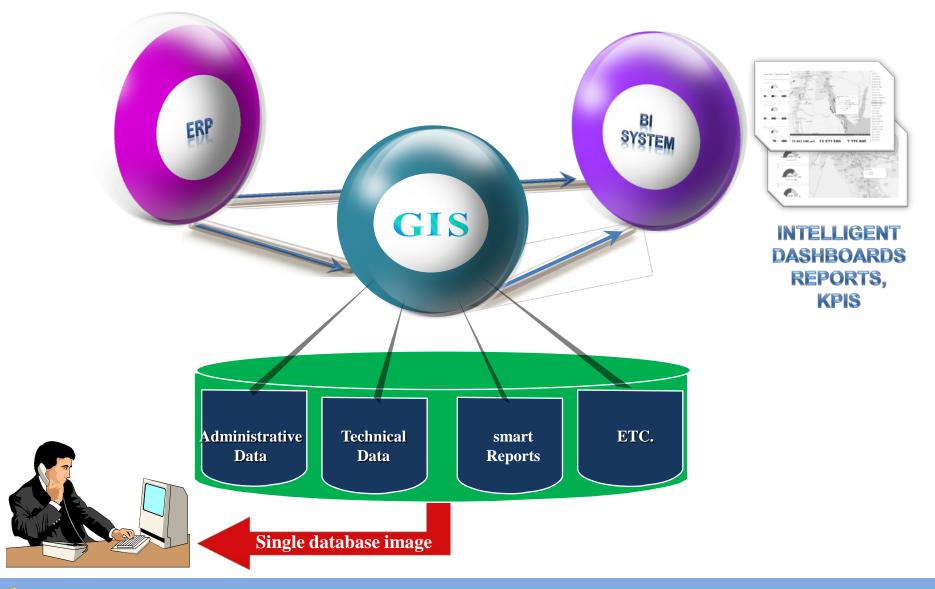




Geo-PIM GIS Milestones

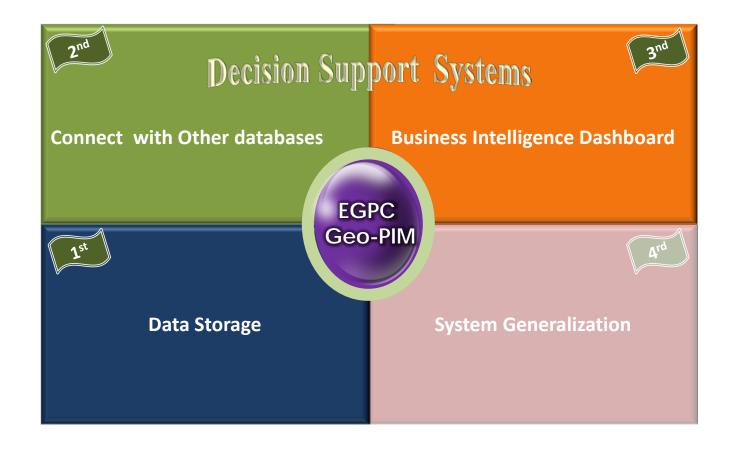


2^{nd} & 3^{rd} phase – Decision Support Systems

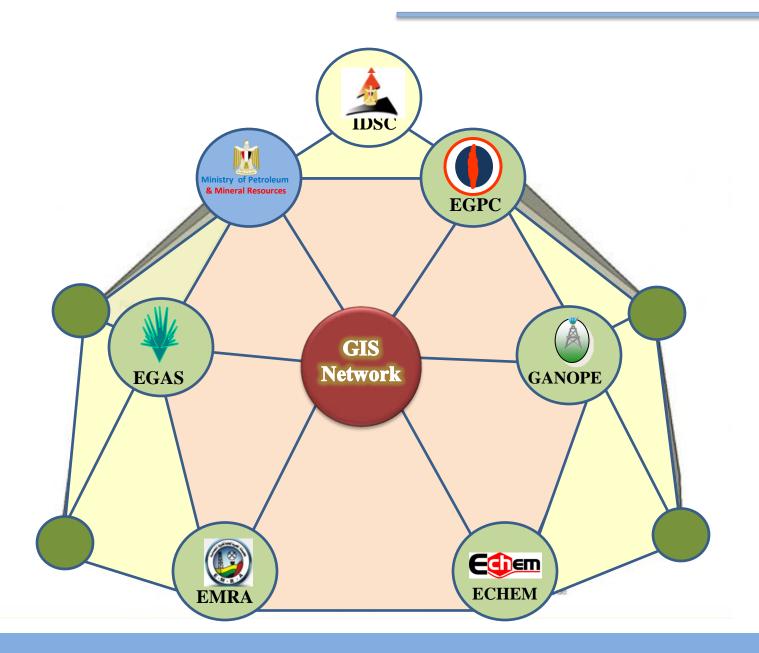




Geo-PIM GIS Milestones



Phase 4 - GIS Generalization



THANK YOU FOR YOUR ATTENTION

