

Libya Sirte Basin GIS Exploration Adviser

Lynx Information Systems

specialises in the provision of seismic data services, geophysical and GIS services to the hydrocarbon exploration industry. We offer a full range of data management services, software solutions and regional GIS adviser

Authored by **David Boote**, a recognised expert in North African geology.

Four Sections

Section 1: Regional Stratigraphic Architecture

Section 2: Hydrocarbon Distribution

Section 3: Hydrocarbon Environment

Section 4: Petroleum Systems Analysis

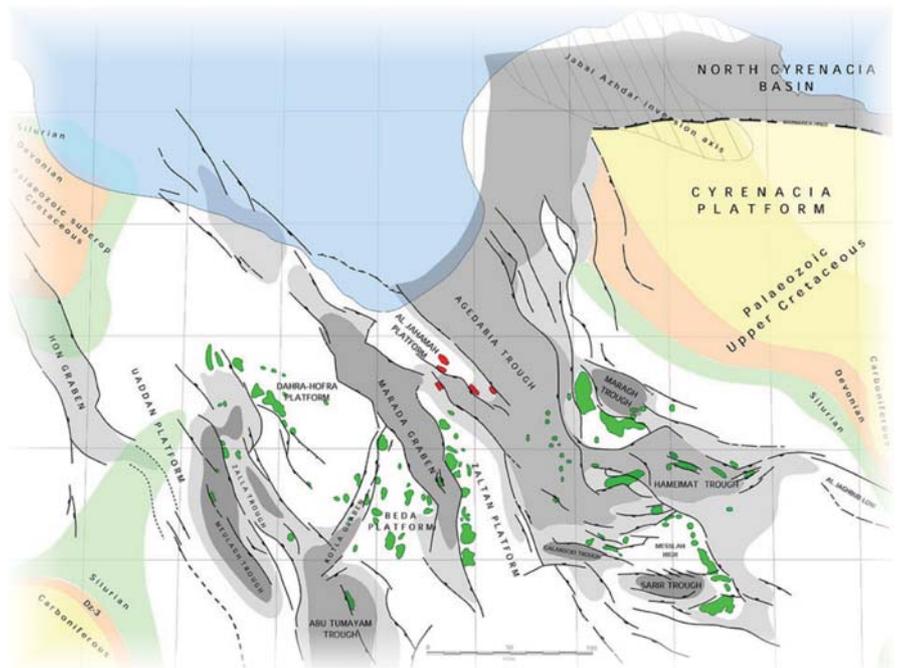
(see reverse for section information)

Lynx Information System Ltd

93-99 Upper Richmond Road
Putney, London
SW15 2TG
United Kingdom
Phone: +44 (0) 20 8780 2634
Email: lynx@lynxinfo.co.uk
Web: www.lynxinfo.co.uk

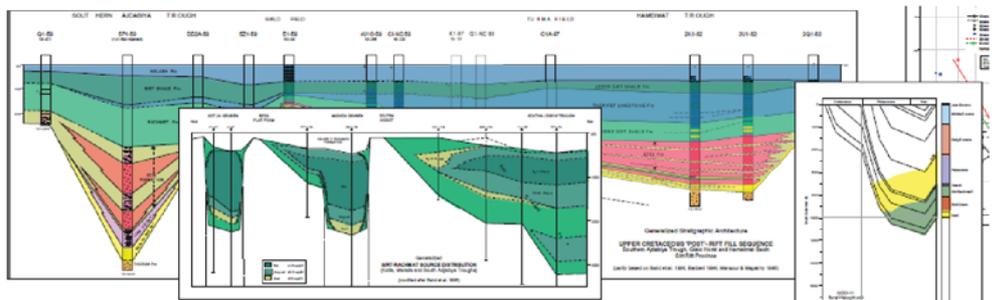
Lynx Information Systems Inc

16420 Park Ten Place
Suite 150
Houston, Texas 77084
United States of America
Phone: 281 599 7226
Email: lynx@lynx-info.com
Web: www.lynx-info.com



Petroleum Systems of the Sirte Rift Basin

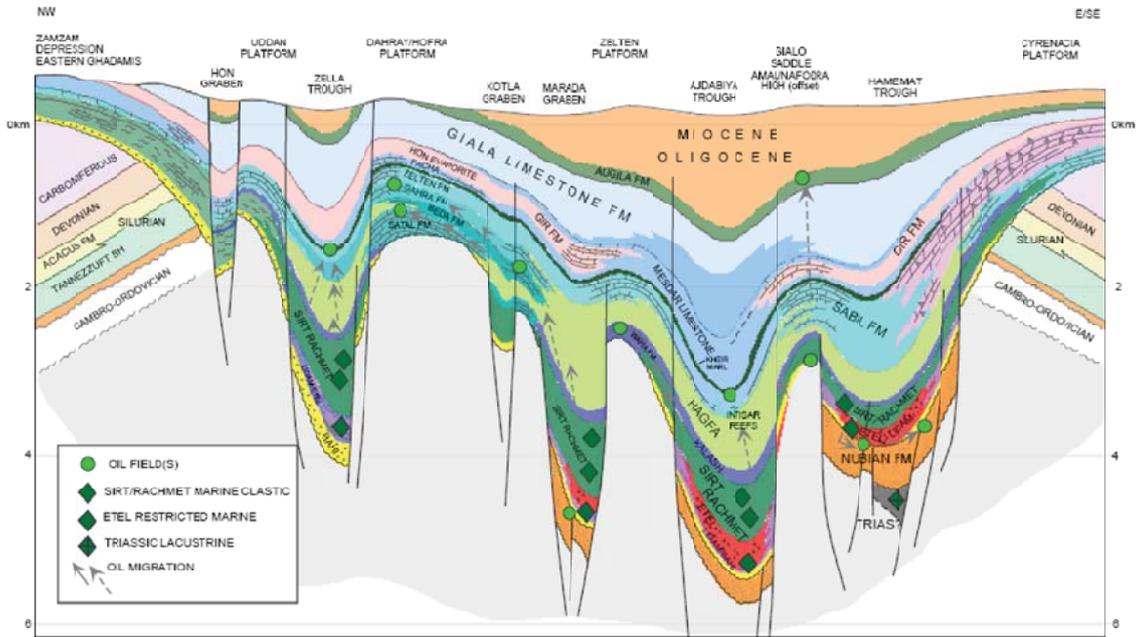
- This is a prolific hydrocarbon province with approximately 30 Bbbls proven reserves.
- Oil and gas accumulations are reservoired in granitic basement, sandstones and carbonates ranging in age from Pre-Cambrian to Oligocene, charged by syn and early post-rift, Triassic and intra-Cretaceous organic rich lacustrine and restricted marine shales.
- The key factors governing the distribution of hydrocarbons in the Province are described in this regional ArcGIS based synthesis.
- The analysis is divided into 4 sections. These can be linked and combined together interactively, allowing the interpreter to evaluate a broad spectrum of petroleum systems by integrating source facies distribution, generative areas, migration conduits, reservoirs, seals and expulsion/charge timing. The analytic capability of this approach provides a very efficient way to rank and risk plays and play trends on both regional and local scales.



SECTION CONTENTS

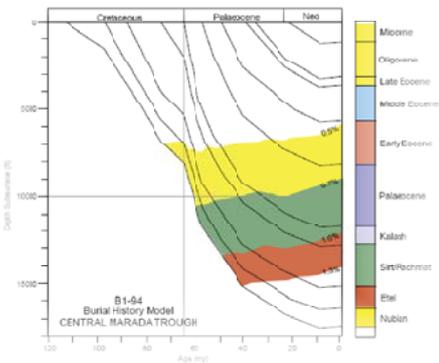
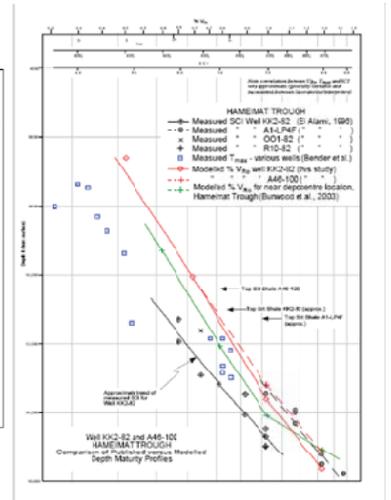
Section I: Regional Stratigraphic Architecture

Tectono-stratigraphic evolution described by regional stratigraphic correlations, facies maps and facies sections with explanatory text and formation descriptions



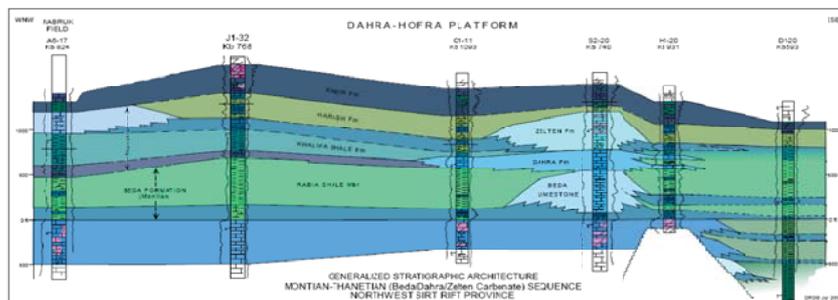
Section II: Hydrocarbon Distribution

Key factors responsible for hydrocarbon distribution described by oil family analysis, source rock distribution maps, 1D basin modelling, generative areas and integrated 3D basin models with explanatory notes.

Section III: Hydrocarbon Environment

Stratigraphic distribution of oil and gas occurrences with field maps and cross-sections (analogues) and summary reservoir description, well test and estimated OOIP data bases.



Section IV: Petroleum Systems Analysis Capability

Interactive petroleum systems analysis capability by reservoir or stratigraphic horizon, within integrating regional (reservoir) facies, reservoir characteristics, oil and gas/oil family distribution, generative areas, expulsion timing and migration models for key source intervals