

geology of iraq

a GIS version



GETECH

DATA

MIDDLE EAST

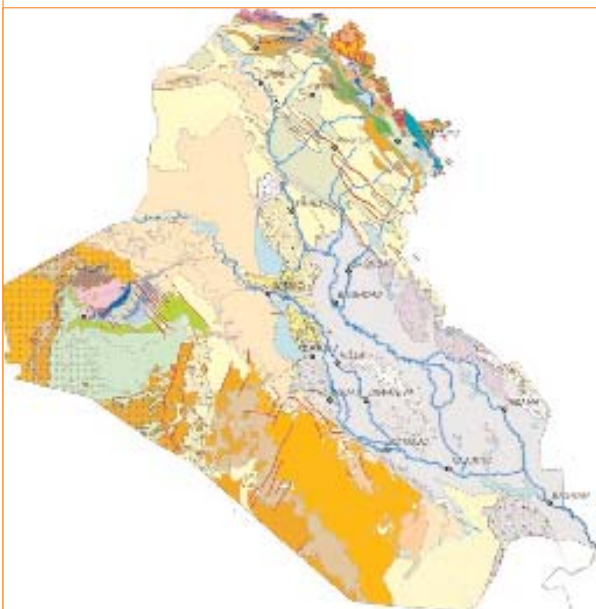
In 2006, Dr Saad Jassim and Jeremy Goff compiled the most comprehensive book available on the geology of Iraq. Now, for the first time and with the exclusive permission of both Dr Jassim and the publishers (Dolin, Czech Republic), GETECH is offering a complementary digital ArcGIS version, containing many of the illustrations as georeferenced images and vector shape files.

The 'Geology of Iraq' (341 pages) consists of 20 chapters written by 16 experts with first hand knowledge of the geology of Iraq, representing many decades of geological studies compiled by Dr Jassim and his co-authors working in various capacities within Geological Surveys and Universities.



contents

The book and associated digital GIS products supersede previous studies and draw on unpublished information collected during the regional geological surveys of Iraq from 1970 to 1990. It is undoubtedly the most up to date and authoritative work covering all aspects of geology, including the structure and tectonics, stratigraphy, petroleum geology and hydrogeology, available to professional geologists working Iraq. It also offers a new interpretation of Iraq's Pre-Cambrian basement in terms of its depth, structure and morphology.

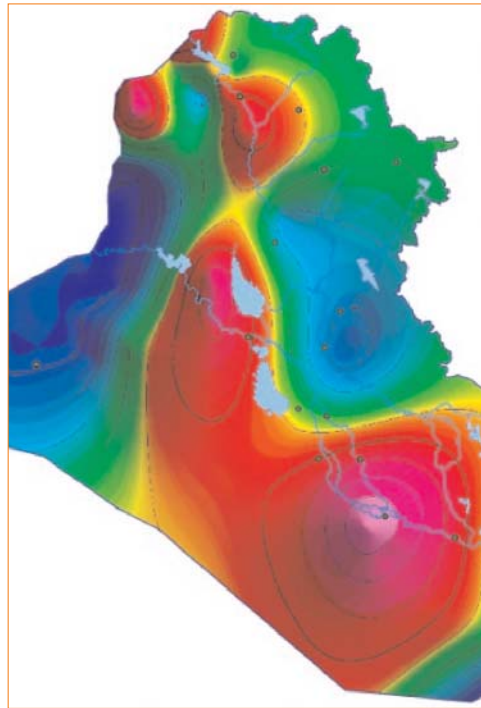


data used

- ~120 wells in Iraq
- ~300 wells surrounding Iraq
- Compilations and published maps of the Geological Survey of Iraq
- Basic reservoir data from on stream Iraqi oil fields
- Gravity and aeromagnetic data
- 4 interpreted regional profiles
- NASA satellite images
- Extensive published and unpublished manuscripts

key topics

- Tectonic and structural framework, including potential field data and derived 'Depth to Pre-Cambrian Basement'
- Phanerozoic development of the Northern Arabian Plate
- Stratigraphy of Iraq
- Tectonostratigraphy of the Zagros Suture Zone
- Hydrocarbon occurrences and Petroleum Systems
- Hydrogeology
- Mineral deposits of Iraq



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the ArcGIS product

The ArcGIS images and shape files are designed as an interactive database of geological information, allowing easy incorporation of other datasets and studies. It includes over 100 high resolution images, over 200 vector shape files, hotlinked charts, profiles, photographs and tables, and 58 digital grids of derived formations, sequences, megasequences (example shown, top right) and 'Depth to Basement'.

associated GETECH study

the basin development of arabia

This study provides a regional tectonic framework and evolution history of all the petroleum systems of the region. Over 700 wells and extensive gravity and magnetic data have been used to generate principle horizontal maps including depth to Pre-Cambrian basement.

Twenty-two 2D cross sectional profiles have been modelled with gravity, partly controlled by basement depth estimates from aeromagnetic data. A re-analysis of the stratigraphy was carried out by Dr Saad Jassim - the principal geological author of the study.

The products are supplied as ArcGIS study and hardcopy and PDF report.

deliverables

The study is delivered as:

1. **The 'Geology of Iraq' as a hard copy book**
2. **ArcGIS version 9.2 project with over 200 full resolution images and vector shape files**
3. **Over 60 digital grids of gravity and magnetic data, derived formation tops, derived stratigraphic sequences and megasequences and 'Depth to Basement'**



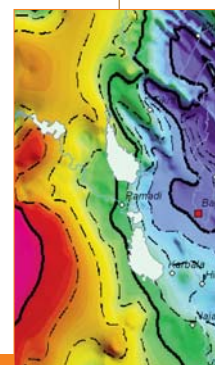
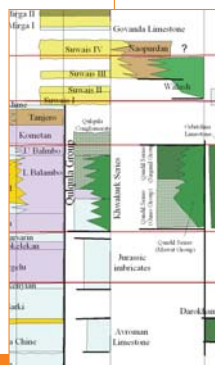
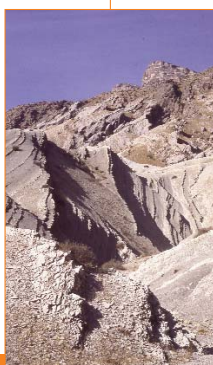
Multi-disciplinary teams of technical experts



Including the world's largest gravity and magnetic library



A global portfolio of focused exploration reports



GLOBAL EXPLORATION STARTS HERE