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Data Analyst

Deployment and Implementation of National Data Centre: A Kenyan Story

National Oil Corporation of Kenya

Outline



- About Noc-Kenya
- Our Journey
- NDC Drivers
- NDC Deployment & Implementation
- Conclusion
- Way Forward

National Oil-Kenya



Vision & Mandate

"Leading integrated oil & gas company for Kenya and the region"



RESOURCE STEWARDSHIP

To act as a steward of petroleum resources on behalf of the people of Kenya, improving quality of life through positively impacting communities, skills development and sustainable energy initiatives

FINANCIAL STEWARDSHIP

To invest in and operate diversified portfolio of high quality oil & gas assets that enhance growth and profitability

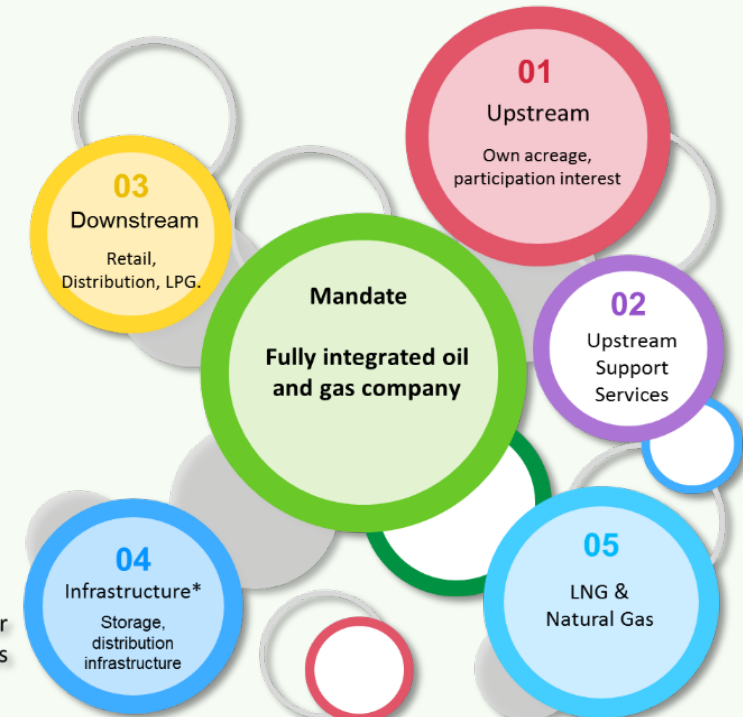
INVESTING IN PEOPLE

To be the employer of choice in Kenya, supporting continuous learning and career development opportunities for all

REGIONAL LEADERSHIP

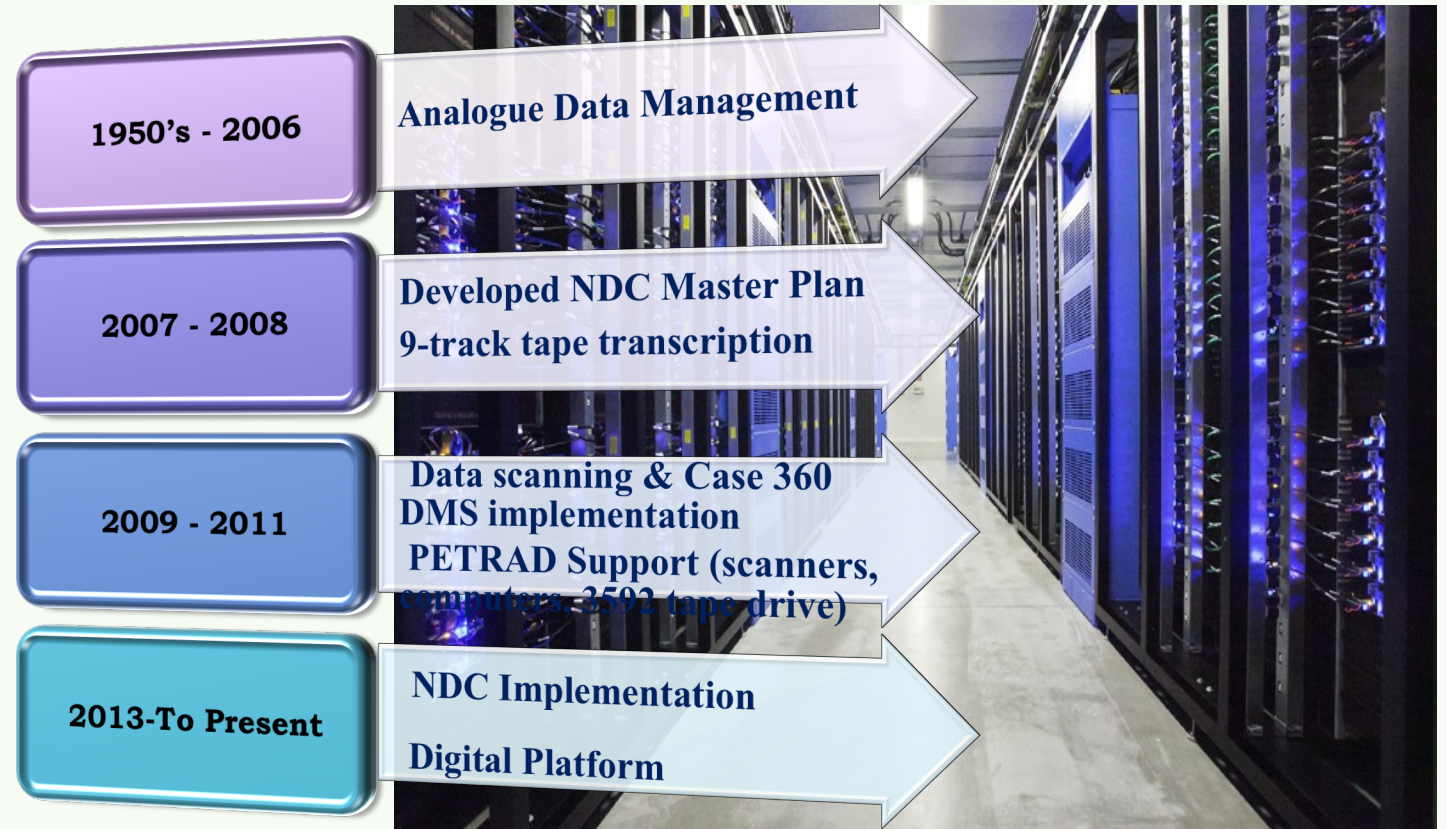
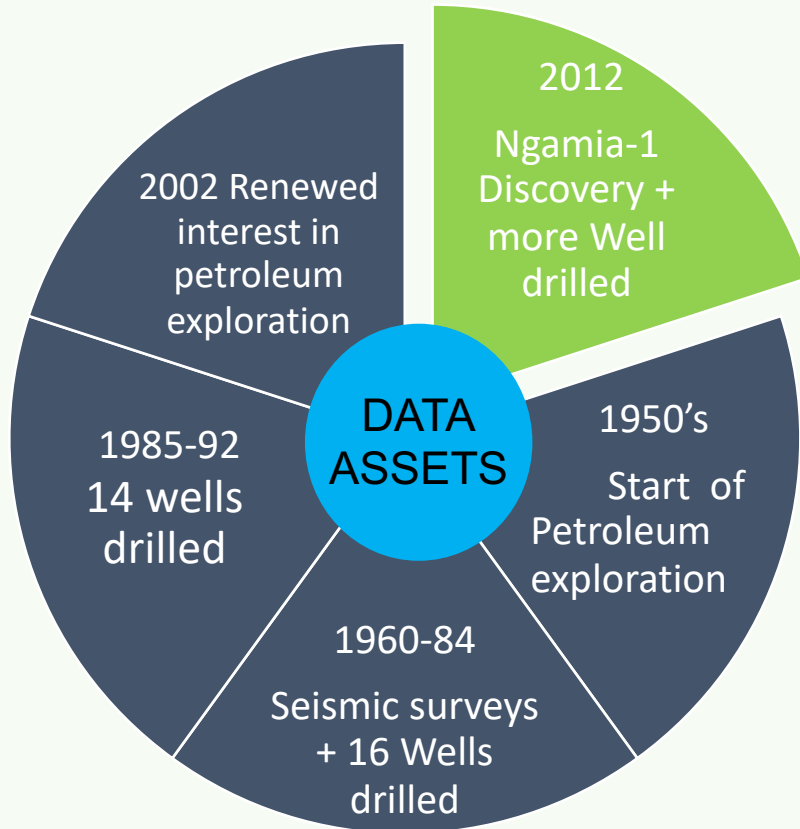
To position Kenya as a regional leader, regarded for exceptional strategic, operational, financial and technical execution

Mandate



* Only infrastructure geared for own use. Common user facilities remain responsibility of KPC

Our Journey



Challenges



- Time inefficiency
- Data security
- Integrity
- Decentralized data set
- Data handling and quality control
- Legal framework
- Inadequate data storage

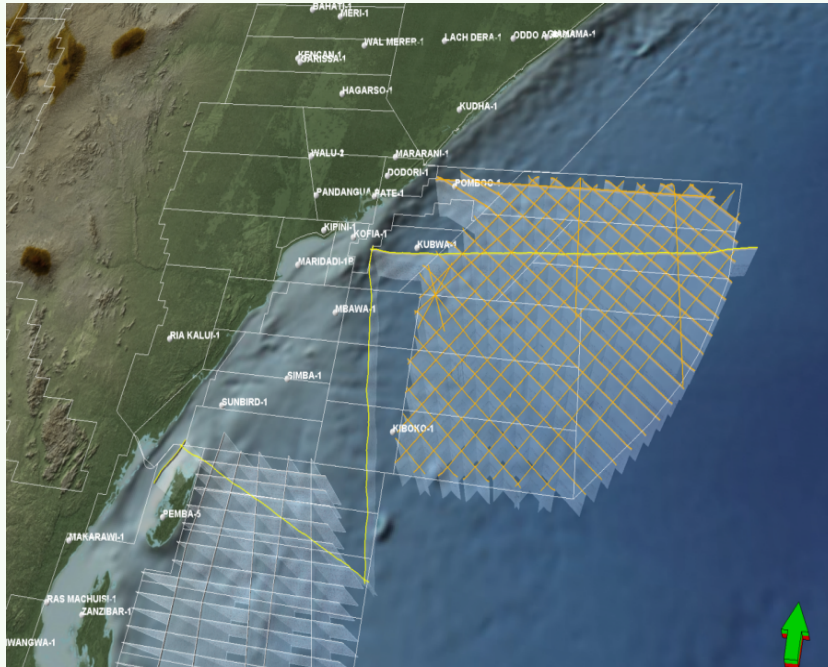


NDC Financing Model

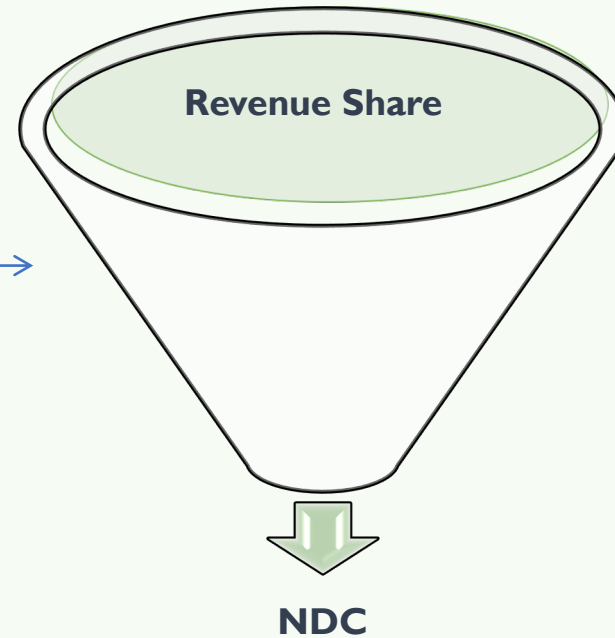


Joint Venture- 2013

National Oil and Schlumberger acquired 9400 km Multi-client 2D seismic data



Data Sales



National Data Center (NDC)



A National Data Center is an active, dynamic center where data lives.

It's a hub that gathers, organizes, quality controls, and stores regional, national, or governmental Exploration and Production data

NDC manages the country's petroleum resources by:

- Preserving data resources
- Promoting investment
- Increasing collaboration between
 - Government bodies
 - IOCs and service companies
 - Research centers

NDC Implementation

Foundation

- Assessment
- Data Quality Control
- Offline data delivery
- Knowledge transfer(Training)
- Visualization Center

Develop

- Web services
- Data subscriptions
- Data standards and improved compliance
- Online data submissions & deliveries

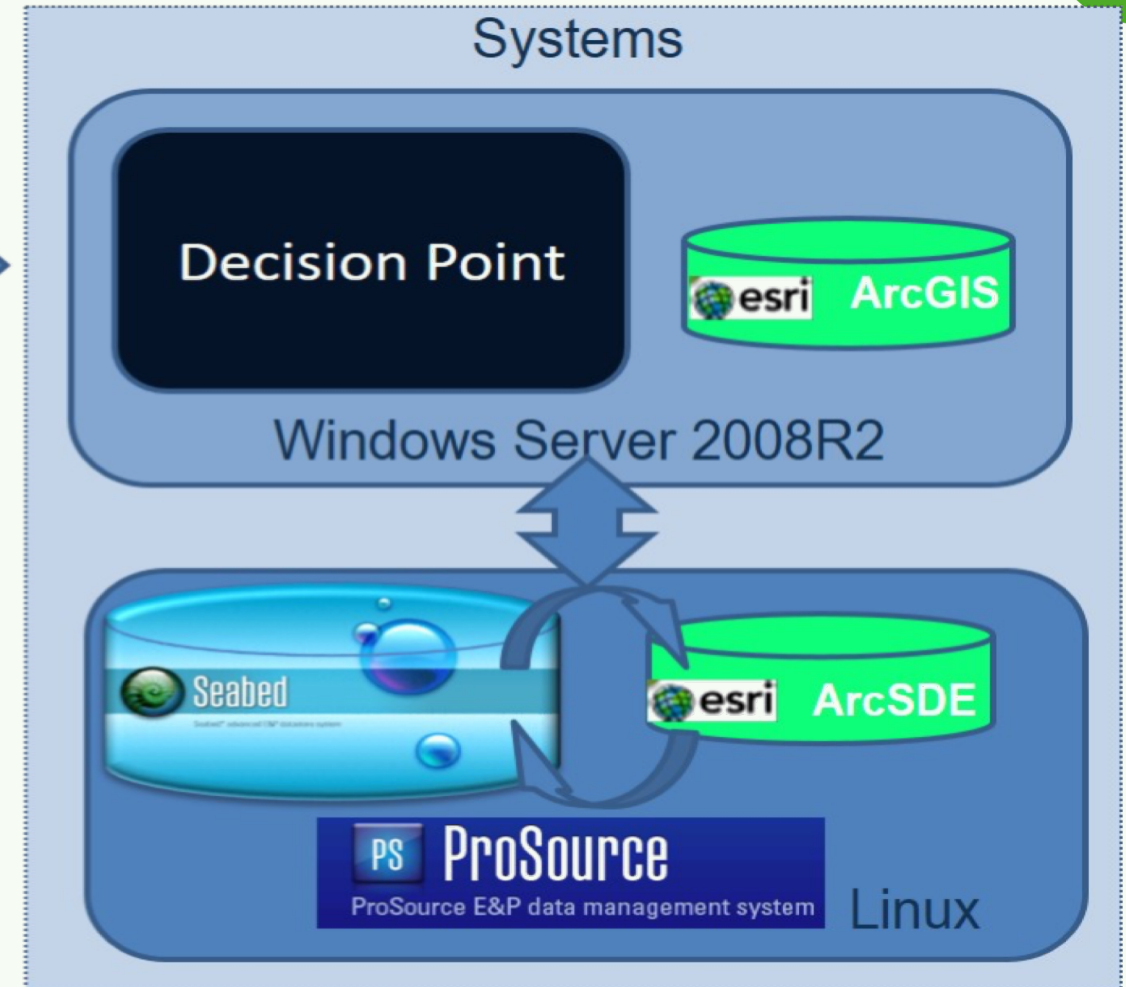
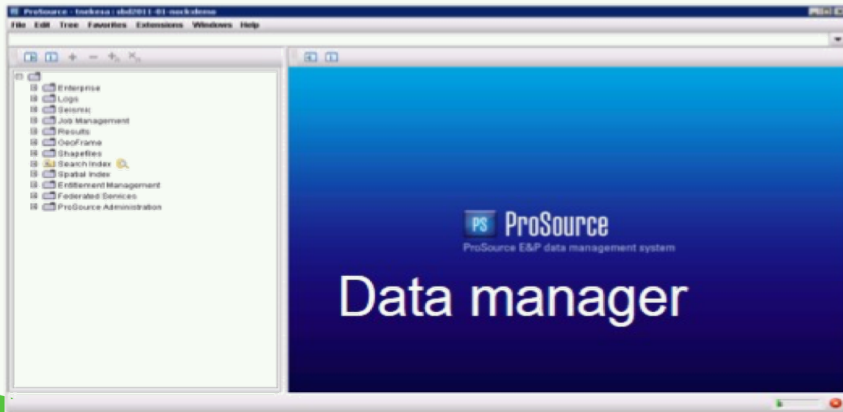
Enhance

- Full web services
- Data completeness
- Enhanced data viewers

NDC System



National Oil NDC Architecture



Digital Data Store



ProSource Data Service

Welcome
Personalize | Helpdesk | Logout

Home Wells Seismic Documents Logs Administration Data Browser More

Information

National Oil is the custodian of oil and gas exploration data in Kenya and has extensive geophysical, geological, engineering and geochemical data obtained from Kenya's petroleum exploration activities since the early 1950S.

Any oil exploration company working in Kenya is required by law to submit data copies to National Oil for safe custody.

The customers of NDC comprises of investors in oil and gas exploration, Government bodies, Research institutions, Public and National oil employees among others.

Notifications

Project Notifications

New data that has been loaded to this project since your last login (21-Jan-2016)

There is no summary available for this project.

Change Active Project

I_NOCK_WGS84

NOCK_WGS84

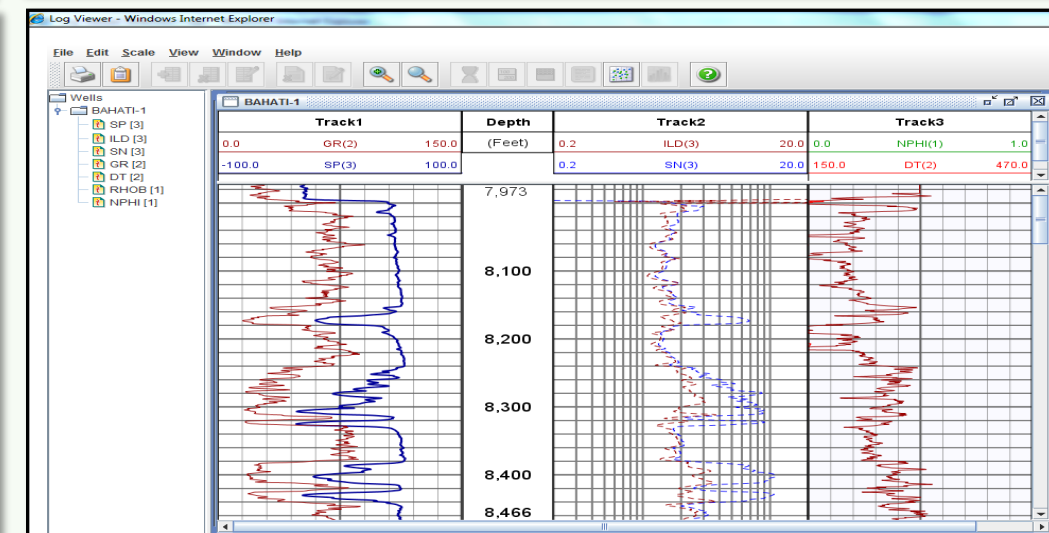
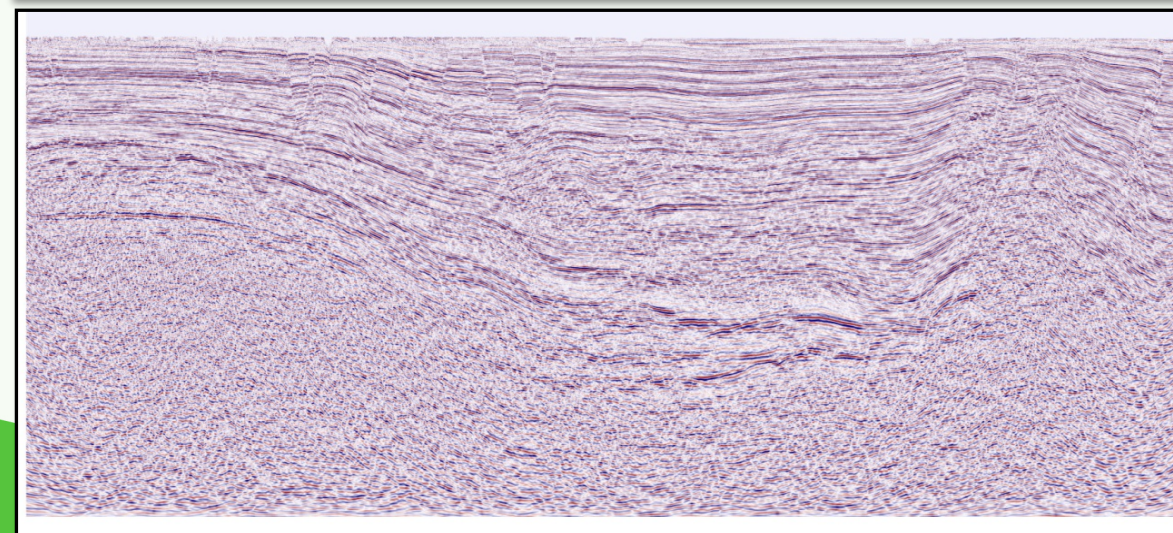
Home Wells Seismic Documents Logs Administration Data Browser Data Requests Data Search GIS Map Organizer PDS Admin More

Well Name Survey Name Line Name Block Basin Area Author Title

Document Id Document Format Document Type Document Sub Type Logging Date

Table Title Page 1 of 182 Page Size 50

Document Id	Name	TITLE	Format	Type	Sub Type
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7425686	W0032DL5_7_10_11_Seismic Report Image_Operations Report_7425686.pdf	KENYA OFFSHORE PSC L5 ANNUAL REPORT	PDF	SEISMIC REPORT	Operations Report
7425713	TVK_TEST_Seismic Report Image_Operations Report_7425713.pdf	FINAL OPERATION REPORT FROM AUGUST 1983 TO APRIL 1989	PDF	SEISMIC REPORT	Operations Report
7426106	_rep_PEP_AGRE_7426106.pdf	FIRST RELINQUISHMENT PROPOSAL	PDF	SEISMIC REPORT	Contract
7426154	_rep_PEP_AGRE_7426154.pdf	SECOND RELINQUISHMENT PROPOSAL NO 161	PDF	SEISMIC REPORT	Financial Records
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NDC Value



- Quick access to E&P data for **decision making**
- **Efficient** Data Management
- Promote transparency, attract investors & increase investment in the country
- Developing human assets - **Effective** transferring knowledge
- Protecting current investments, data and extracting value
- Reduction in the studies time
- Data **centralization** and **integration**



Way forward



- Launch NDC externally
- Strengthen data security
- Develop capacity and competence
- Benchmark with Mature NDRs/NDCs
- Assess and adopt new technologies



Q&A



THANK YOU