



Ayan Omar
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

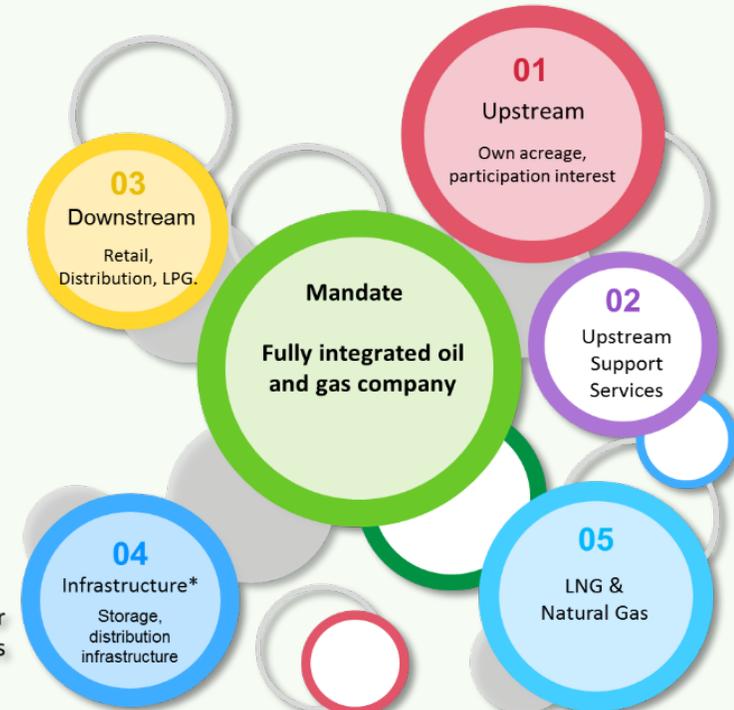
INVESTING IN PEOPLE

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

REGIONAL LEADERSHIP

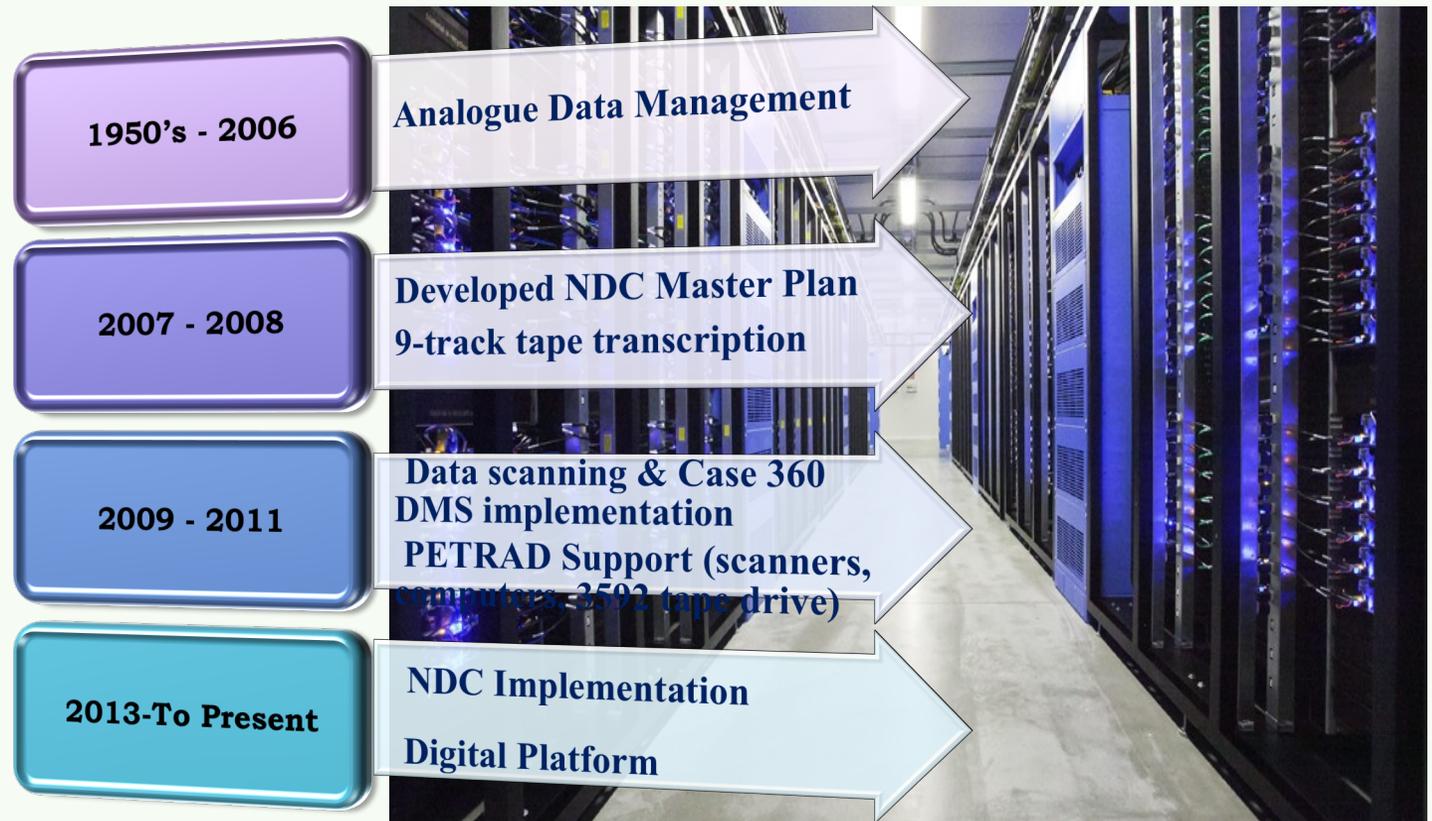
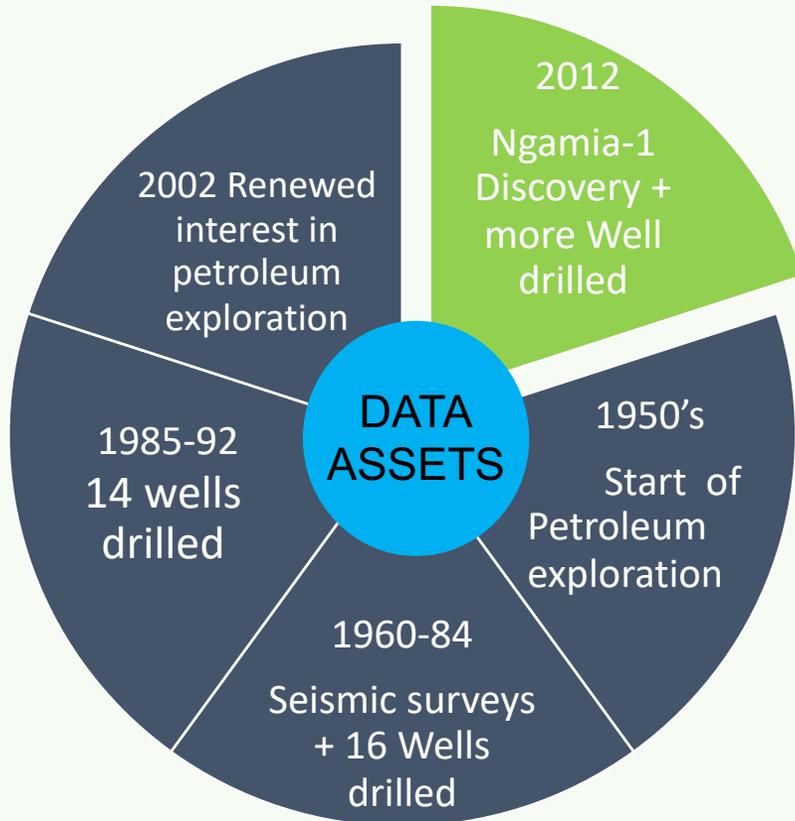
To position Kenya as a regional leader, regarded for exceptional strategic, operational, financial and technical execution

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

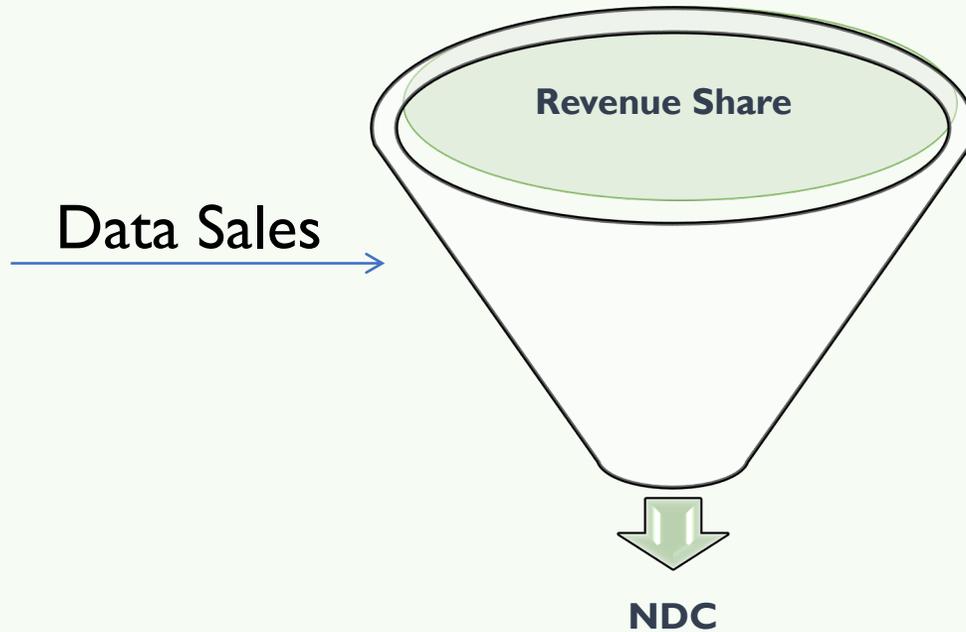
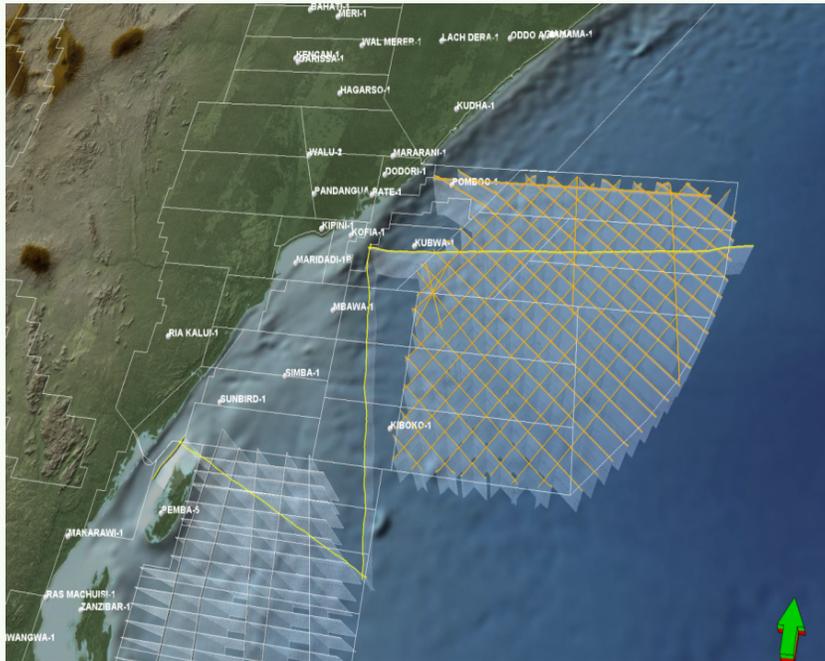


NDC Financing Model



Joint Venture- 2013

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



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

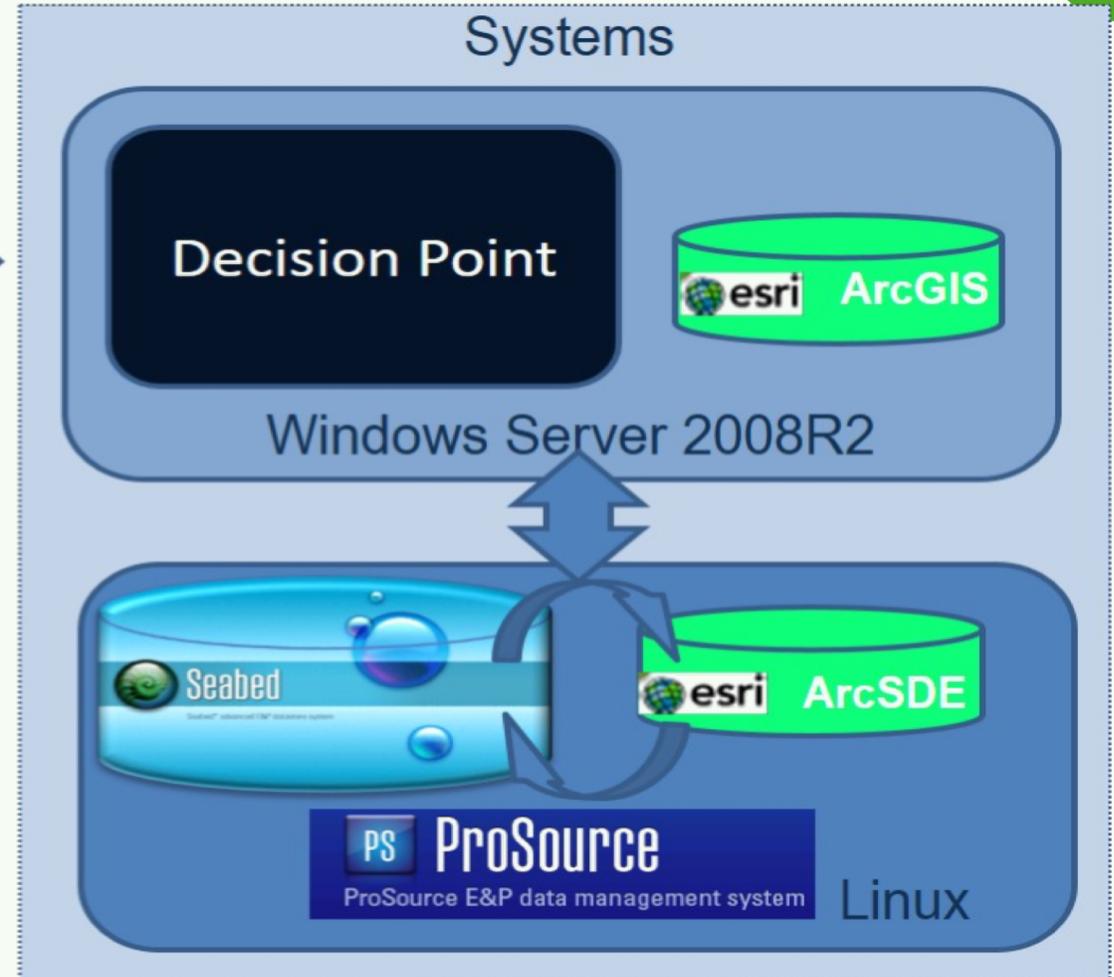
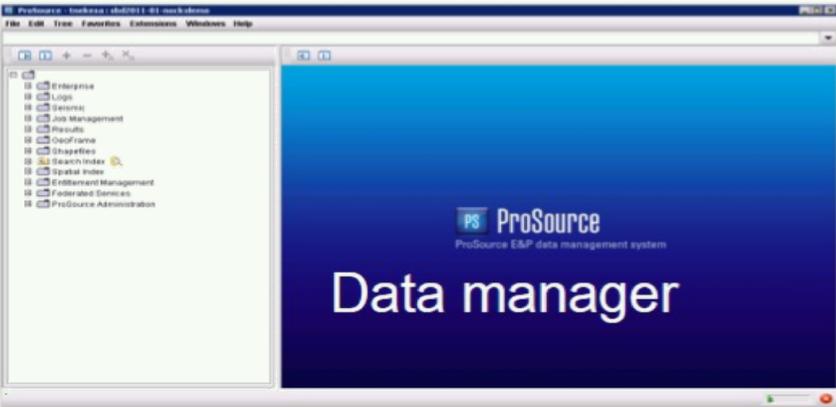
- Full web services
- Data completeness
- Enhanced data viewers

NDC System



The screenshot shows the homepage of the Kenya Exploration Data Access system. At the top left is the National Oil logo. The main title is "Kenya Exploration Data Access" in bold black and green text. To the right is the Kenyan flag and the text "Kenya (KENYA VISION 2030)". The background features a world map with a red star over Kenya, a city skyline, an offshore oil rig, and a 3D geological cross-section of the seabed. A central login form includes fields for "Username:" and "Password:", a "Forgot Password?" link, and a "LOGIN" button. Navigation buttons for "Access" (with a magnifying glass icon), "About" (with a question mark icon), and "Up" (with an upward arrow icon) are also visible.

National Oil NDC Architecture



Digital Data Store



National Oil ProSource Data Service

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

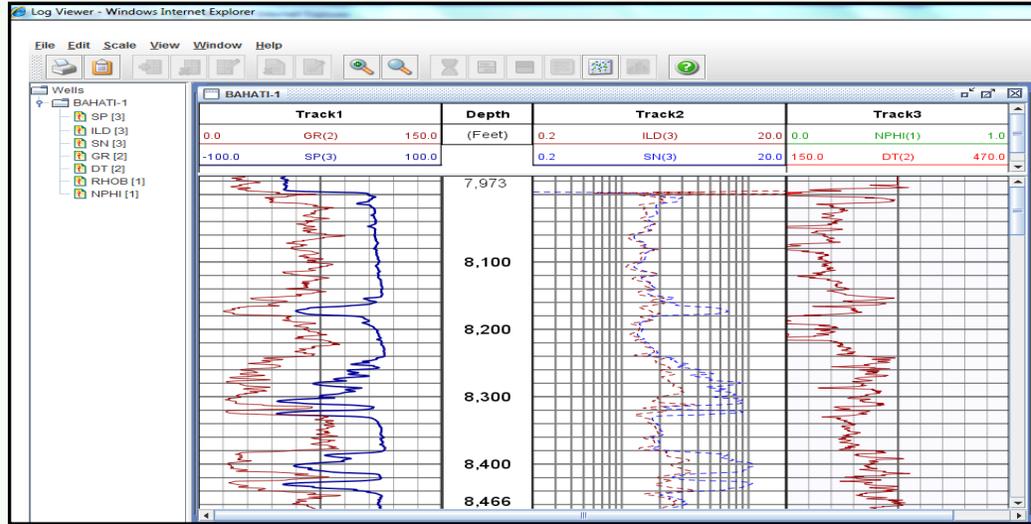
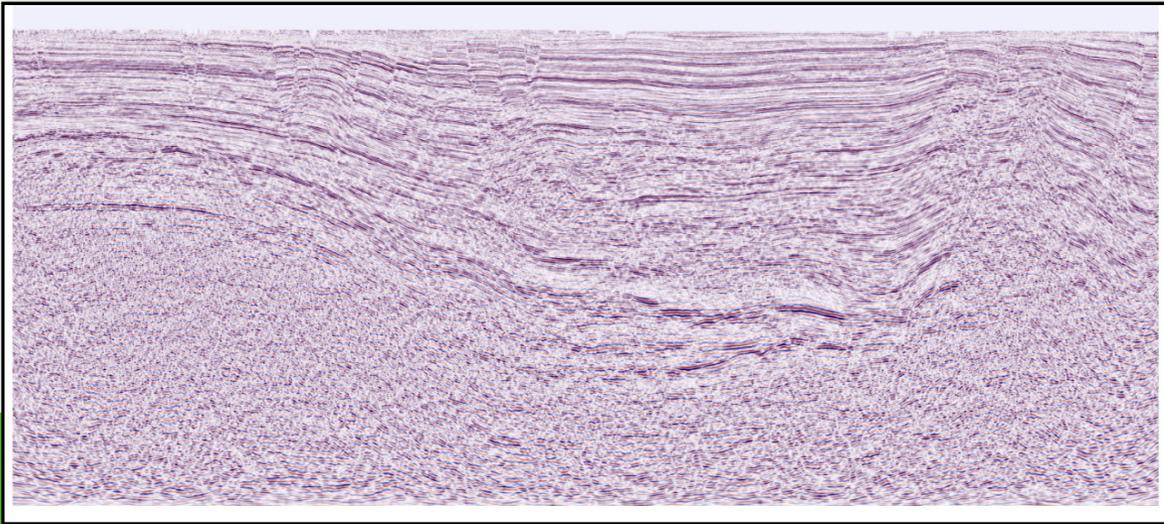
Home Wells Seismic Documents Logs Administration Data Browser Data Requests Data Search GIS Map Organizer PDS Admin More

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Document Id Document Format Document Type Documet Sub Type Logging Date

Table Title Page 1 of 182 Page Size 50

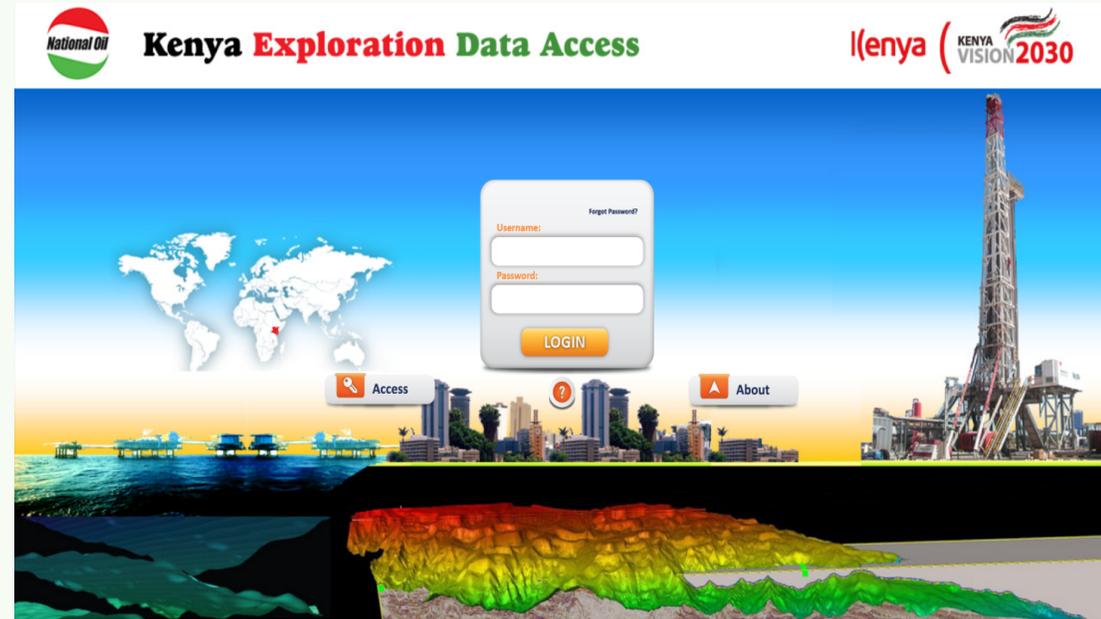
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NDC Value



- 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

www.nationaloil.co.ke