



BACKGROUND

Exploration for oil and gas, in Sierra Leone, started in the mid 1980's, with two wildcat exploration wells drilled by Mobil [Mobil A1] and Amoco [Amoco A1-2] in 1984 and 1985, respectively



Exploration

We provide tools that support your exploration of our wells, enable your activities, and broaden your discoveries.



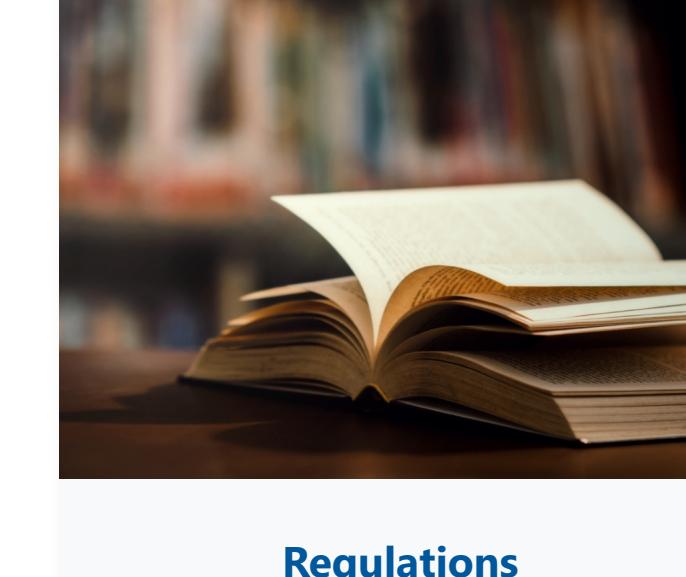
Operation

Navigate to this section to familiarize yourself with our department, staff, policies, services as well our procurement practices.



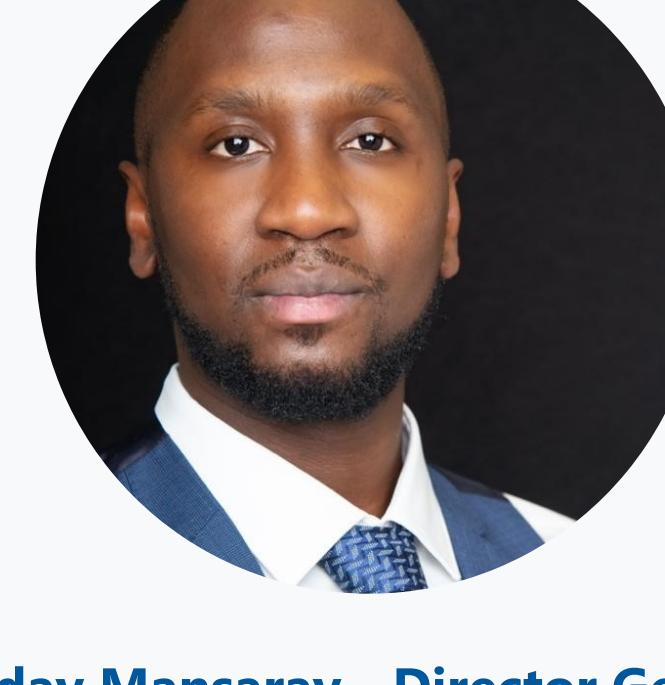
Data

We provide an opportunity for you to consume our data on offshore waters, licensing open, frame work blocks, and many more.



Regulations

You can navigate here to review our principles, legal framework and state organizations. We have ensured each is business-friendly.



Foday Mansaray - Director General

The Republic of Sierra Leone is strategically placed on the African continental shelf, signaling excellent potential for the exploration of oil and gas in the country. With recent discoveries along the Equatorial Atlantic Margin, these are exciting times for the Petroleum Directorate of Sierra Leone in our mission to opening our shores to deepwater exploration.

Sierra Leone is moving with great resolve and determination on the road of development and prosperity under the Medium-Term National Development Plan (MTNDP). In line with the MTNDP, the oil and gas sector will play an essential role in transforming Sierra Leone, driving the country's economic development and growth.

At its core, the Petroleum Directorate is mandated to lead the process of unlocking and realizing the country's petroleum resource potential, as well as transforming its growth agenda through the sustainable development of the oil and gas sector- a position we constantly strive to maintain. Our principal duty is to regulate the exploration and production of affordable, reliable, and cleaner energy in Sierra Leone.

To achieve this mandate, our vision is to transform the country's oil and gas sector in a responsible manner that prioritizes safety, respect for communities and the environment. In our mission, we will conduct business with honesty, integrity, and transparency. We place great importance on implementing judicious governance and compliance practices.

Since its inception in 2003, the Petroleum Directorate has continually strengthened its capacity by improving internal processes and acquiring technically skilled professionals. With a focus on pursuing the right partnerships and opportunities, as well as utilizing robust fiscal stewardship practices, we have successfully navigated and adapted through challenging times within the global oil and gas industry.

With an enthusiastic outlook for the future, we will continue to build a top-tier team with all the industry requisites, pursue innovative ways to maximize the value of our resources, form mutually beneficial partnerships, and drive in-country value to ensure that Sierra Leone harnesses its full oil and gas potential.

The Petroleum Directorate is tenaciously committed for Sierra Leone to become a leading producer of oil and gas operating with a high level of performance in the exploration, development, production, and distribution of oil and gas-related services.

We welcome prospective partners to join us in this dynamic endeavor.

Our Partners



Location

20 Mandalay Street
Kingtom
Freetown, Sierra Leone

Tel: +232 76 41 39 12

Email: info@pd.gov.sl

Office Hours

Monday - Friday: 8:00 - 17:00
Saturday: closed
Sunday: closed

Press Releases



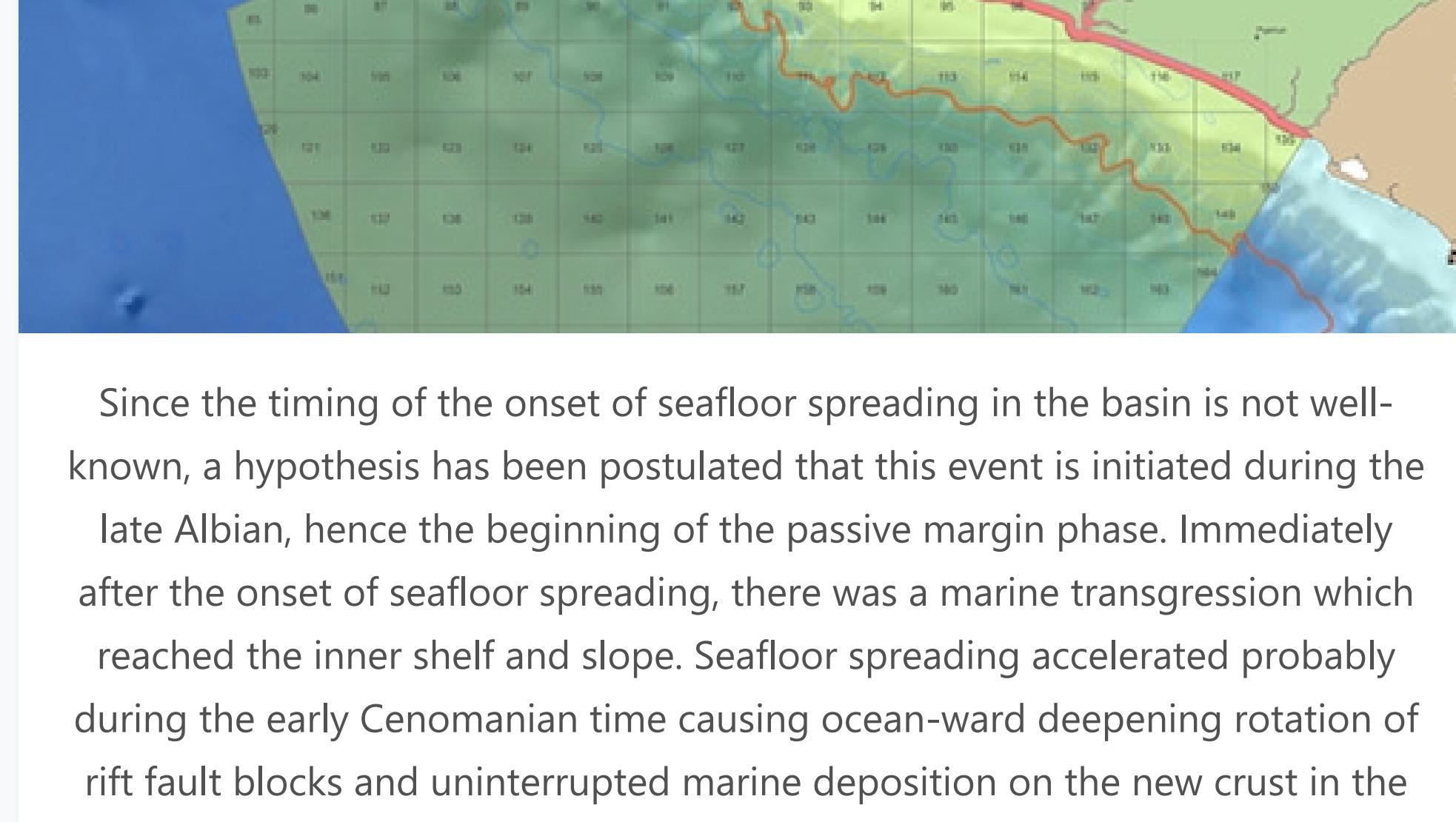
Operations



Geological Overview

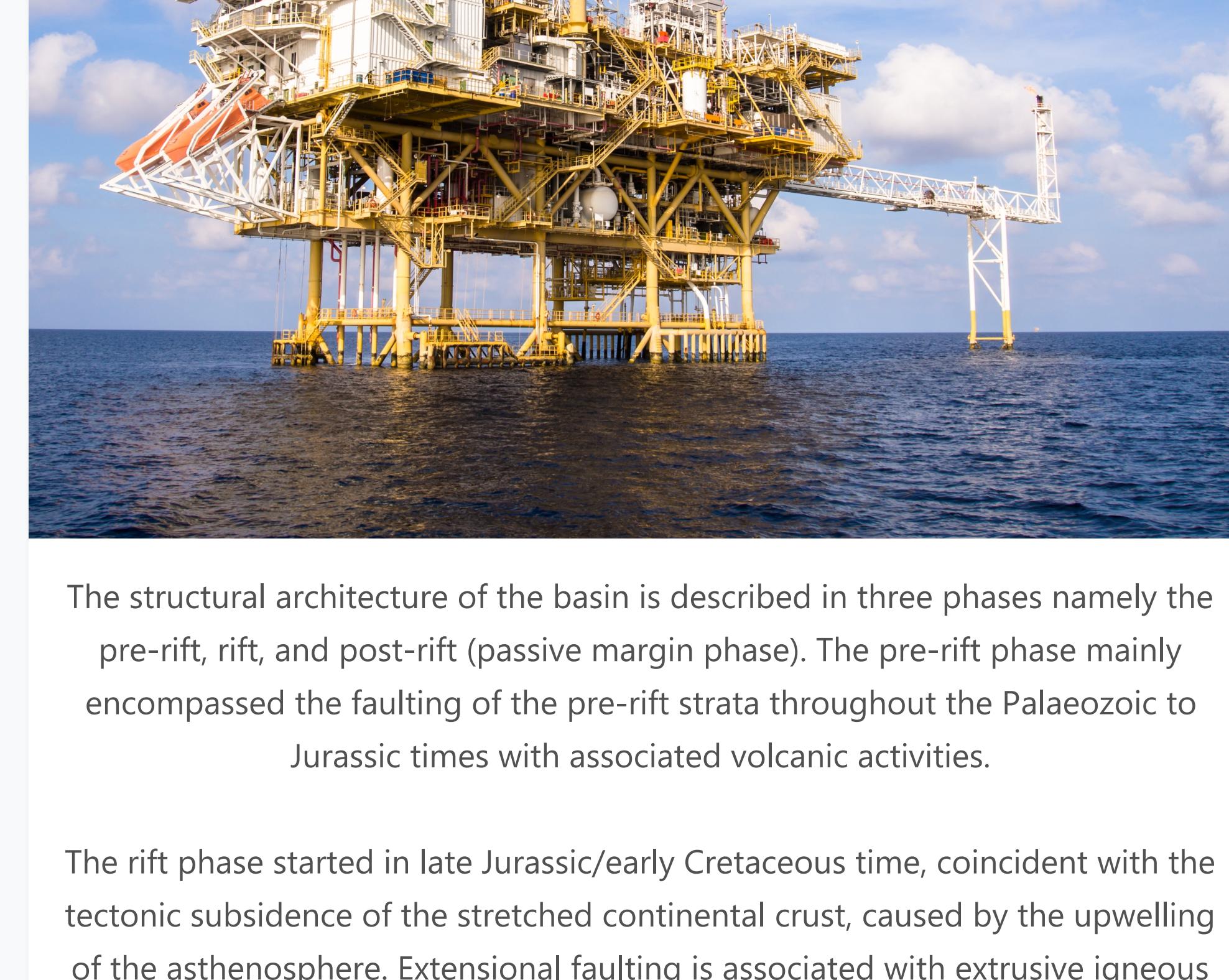
There is one Off-Shore basin in Sierra Leone which is referred to as the **Sierra Leone basin**. The Sierra Leone basin forms part of The West African Transform Margin and is made up of complex strike-slip faulting. Basin consist of a continental shelf and a steep slope (Sulima slope plateau) with rotated fault blocks seen on the slope and gradually stepping down into the deep water basin.

The Sulima slope seen on the northern part of the area is an expression of a series of horsts and grabens formed by wrench tectonics as the Sierra Leone transform system intersects the African continental mass. The shelf break is characterized by a steep slope with several submarine canyons which cut deeply into the continental shelf down to the abyssal plain. Series of transform fault systems exist along the margin but the main transform fault system that affected the basin is right-lateral Sierra Leone transform fault system which forms a series of an echelon strike-slip and dip-slip faults with associated folds. In the deep-water part further from the coast, normal faulting during the Atlantic rifting event produced grabens and half-grabens of probably Albian-Aptian age.



Since the timing of the onset of seafloor spreading in the basin is not well-known, a hypothesis has been postulated that this event is initiated during the late Albian, hence the beginning of the passive margin phase. Immediately after the onset of seafloor spreading, there was a marine transgression which reached the inner shelf and slope. Seafloor spreading accelerated probably during the early Cenomanian time causing ocean-ward deepening rotation of rift fault blocks and uninterrupted marine deposition on the new crust in the proto-Atlantic basin.

During the mid-Cretaceous, significant thicknesses of alluvial, fluvial, and lacustrine sediments were deposited and shallow marine incursions flooded the more subsided parts of the rifted terrain in the mid-Albian time. Also, thick sediments occur beneath the continental slope where they are disrupted by faults and gravity slides which are particularly common near the Guinea and Sierra Leone fracture zones. Slumps and canyons are also observed on seismic data occurring mostly on the continental slope.



The structural architecture of the basin is described in three phases namely the pre-rift, rift, and post-rift (passive margin phase). The pre-rift phase mainly encompassed the faulting of the pre-rift strata throughout the Palaeozoic to Jurassic times with associated volcanic activities.

The rift phase started in late Jurassic/early Cretaceous time, coincident with the tectonic subsidence of the stretched continental crust, caused by the upwelling of the asthenosphere. Extensional faulting is associated with extrusive igneous activity and continental siliciclastic deposition took place in the graben. This

Phase was active from Aptian to Turonian with fluvial/lacustrine conditions trending to shallow marine as Africa was finally separated from South America.

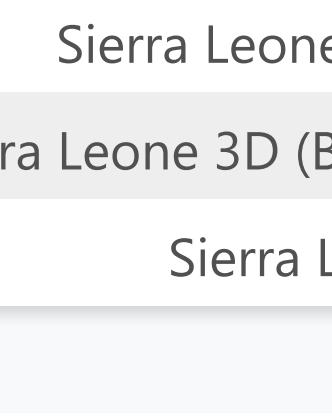
Sub-aqueous and sub-aerial erosion took place on the shelf and slope in the mid- Cretaceous time and is evident on seismic data by the occurrence of a regional unconformity which persisted as a surface of erosion until the Santonian time. The progression of seafloor spreading introduced a late Cretaceous transgression which advanced shoreward over the mid-Cretaceous erosional surface. The marine deposition was continuous ocean-ward from late Albian to the end of Cretaceous time. Onlap of marine siliciclastic and some carbonate deposits are seen on the mid-Cretaceous unconformity. The hydrocarbon potential of the basin was known when the Venus B-1 discovery well was drilled. Series of other discovery wells confirmed that there is an established petroleum system within the basin.

Seismic Data

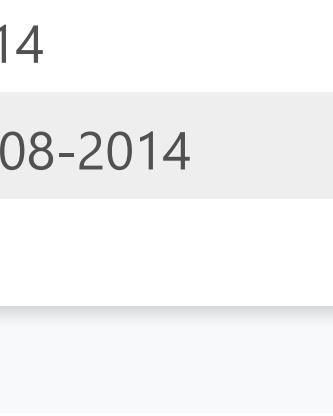
Sierra Leone has an extensive and high-quality seismic database that is available to license from the Petroleum Directorate. This includes recent 2D and 3D seismic data, with tens of thousands of square kilometers of 3D over and in the vicinity of the four undeveloped discoveries offshore Sierra Leone. The data sets include the Mabesi 3D PSDM reprocessed by ION/ Anadarko in 2009/2010 which is available to license for the first time.

[PDSL 3D Seismic and Well Data July 2017](#)

For more information on available seismic data please contact:



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Available Data Description

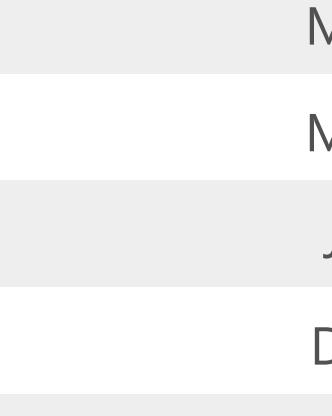
Survey Name	Data Type	Data Volume
Lukoil Reprocessed 3D Data	3D	1000 sq kms
Repsol 2004 PSTM	3D	Circa 4150 sq kms
Anadarko 2009 3D Survey (PSDM)	3D	Circa 4150 sq kms
Sierra Leone 3D (Blocks 3; 4 and 5). 2008-2011	3D	Circa 4060 sq kms
Sierra Leone 3D (Blocks 4 and 5). 2008-2014	3D	Circa 2646 sq kms
Sierra Leone 3D (Blocks 3; 4 and 5 Extension). 2008-2014	3D	Circa 5077 sq kms
Sierra Leone Mega-Merge (Fusion)	3D	Circa 6121 sq kms

Well Data

Data for all the six (6) recent wells and the two wells drilled along the margin in the 1980s have been released by Petroleum Directorate. The PD in association with ERCL has created a digital well database, which is summarized on a spreadsheet on the PD website. All data is available to review at the PDSL data room in Freetown.

The 2009- 2013 well data are available to license for the first time along with the Mabesi 3D PSDM seismic dataset, which covers three of the recent deepwater discoveries by Anadarko.

For more information on available well data please contact:



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Available Data Description

Name	Year	Operator	Well Status
A-1	1982	Mobil	Oil Shows
A-1	1985	Amoco	Oil Shows
Venus B-1	2009	Anadarko	Discovery
Mercury-1	2010	Anadarko	Discovery
Mercury-2	2012	Anadarko	Appraisal
Jupiter-1	2012	Anadarko	Discovery
Djembe-1	2012	Tailsman	Water wet
Savannah-1X	2013	Lukoil	Discovery

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PETROLEUM DIRECTORATE *of Sierra Leone*

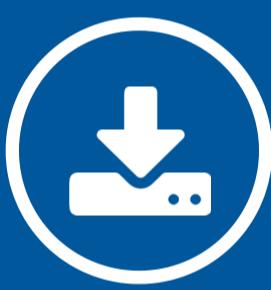
Office of the President

HOME OPERATIONS REGULATIONS REGULATIONS ABOUT



Regulations

Document Downloads



[The Petroleum \(Exploration & Production\) Act, 2011](#)

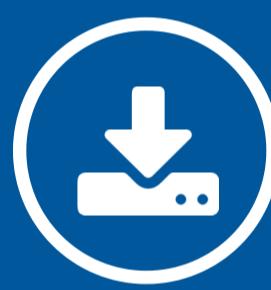
Being an act to provide for the management of petroleum operations, to regulate and promote petroleum exploration, development and production; to regulate the licensing and participation of commercial entities in petroleum operations; to provide for proper supervision of petroleum operations, to promote the participation of Sierra Leone in the petroleum industry.



[Data Catalogue](#)

The Data Catalogue provides details of the released technical data available for potential investors to license. All released data is available, subject to the signing of a Licensing Agreement with the Petroleum Directorate or our partner, Getech Group Plc.

Click on the icon to download a copy of the Data Catalogue



[The Sierra Leone Data Room Rules](#)

The Petroleum Directorate Sierra Leone (PDSL) will make available via a Data Room technical data packages including well data, seismic data and technical reports relating to, and in preparation for, future investment opportunities in Sierra Leone.

Click on the icon to download a PDF copy.



[The London PDSL Data Room Rules](#)

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Data are available for review on workstations running industry-standard software including Kingdom and in compliance with these rules.

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About Us



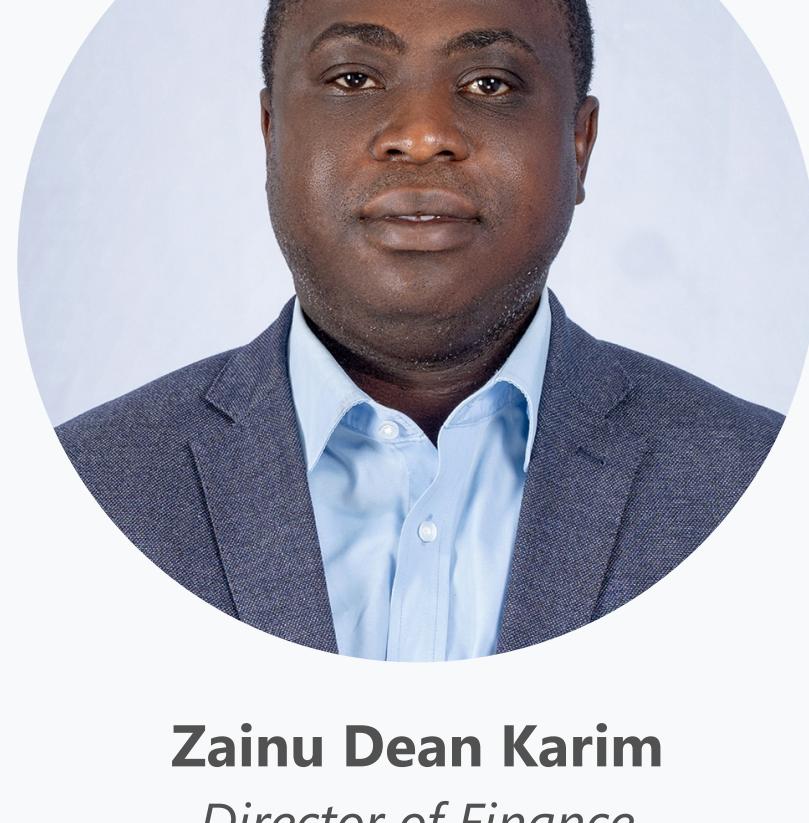
Who we are

The Petroleum Directorate of Sierra Leone is a governmental regulatory and administrative body. Established in 2003, the Petroleum Directorate is responsible for the general management and monitoring of the petroleum resources of Sierra Leone.

Our Leadership



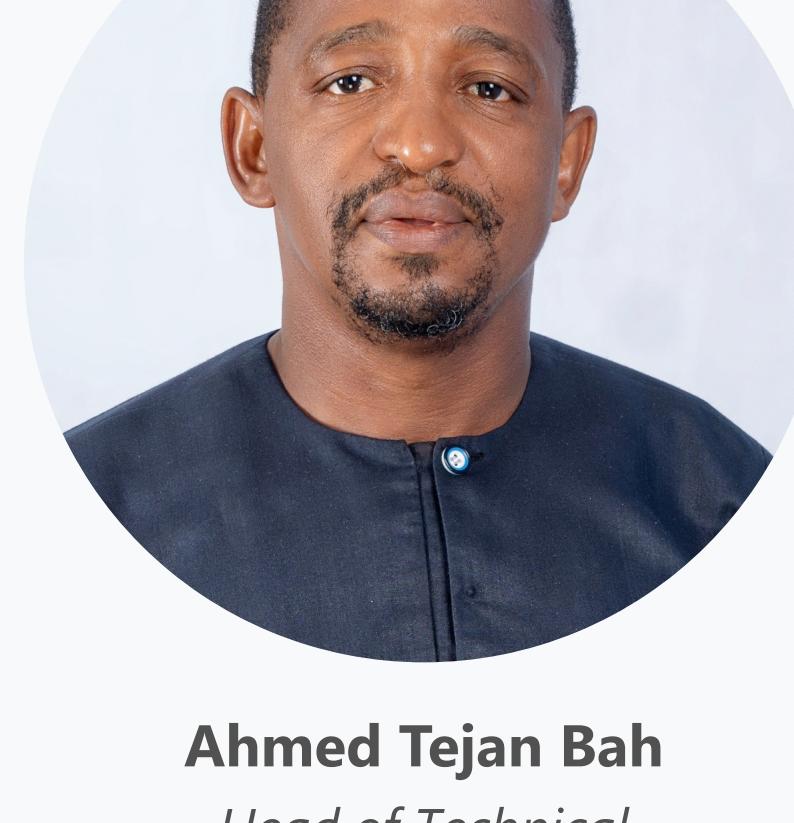
Foday B. L. Mansaray
Director-General



Zainu Dean Karim
Director of Finance



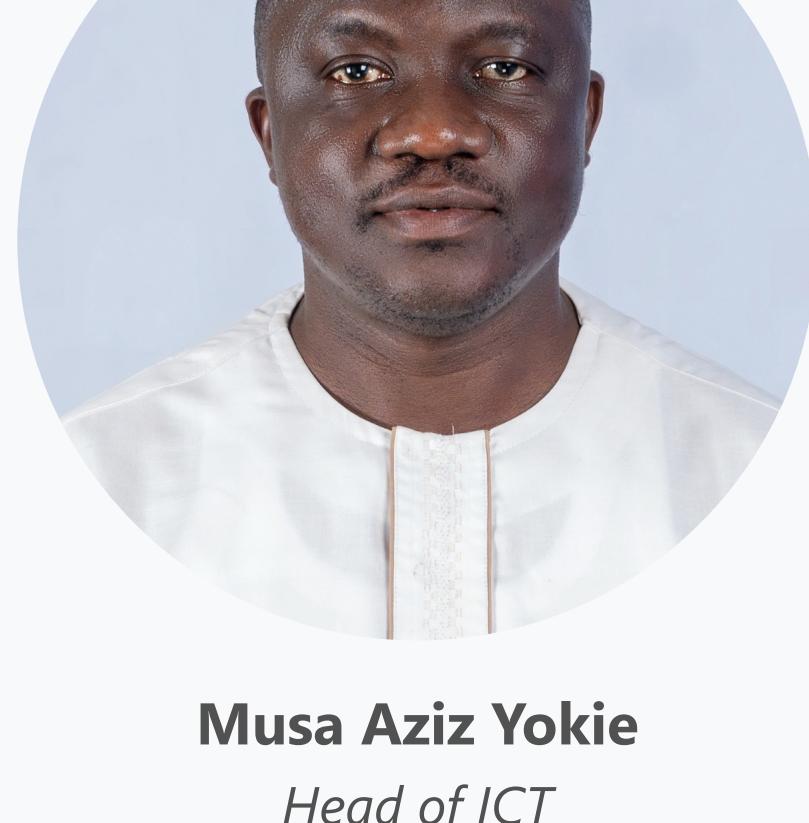
Sabieu Said Conteh
Senior Accounting Manager



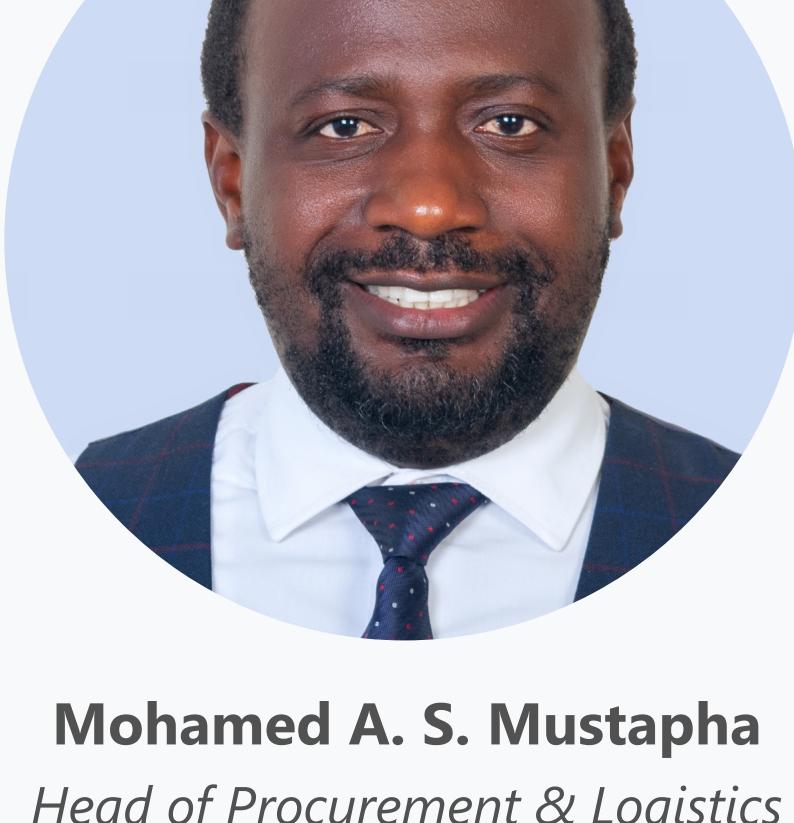
Ahmed Tejan Bah
Head of Technical



Amadu Mansaray
Senior Administrative Manager



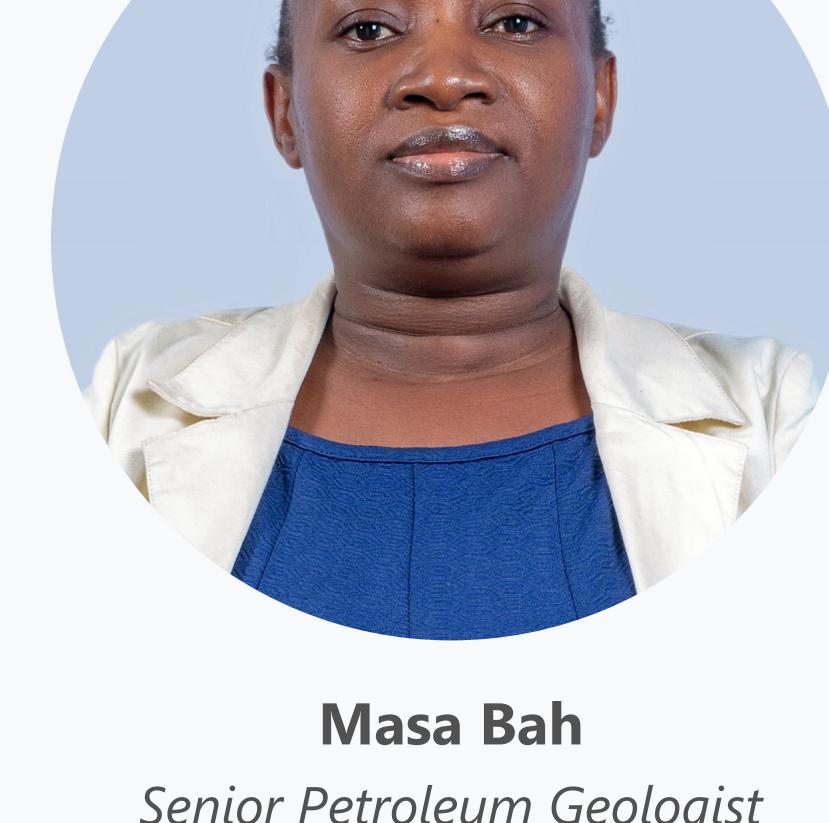
Musa Aziz Yokie
Head of ICT



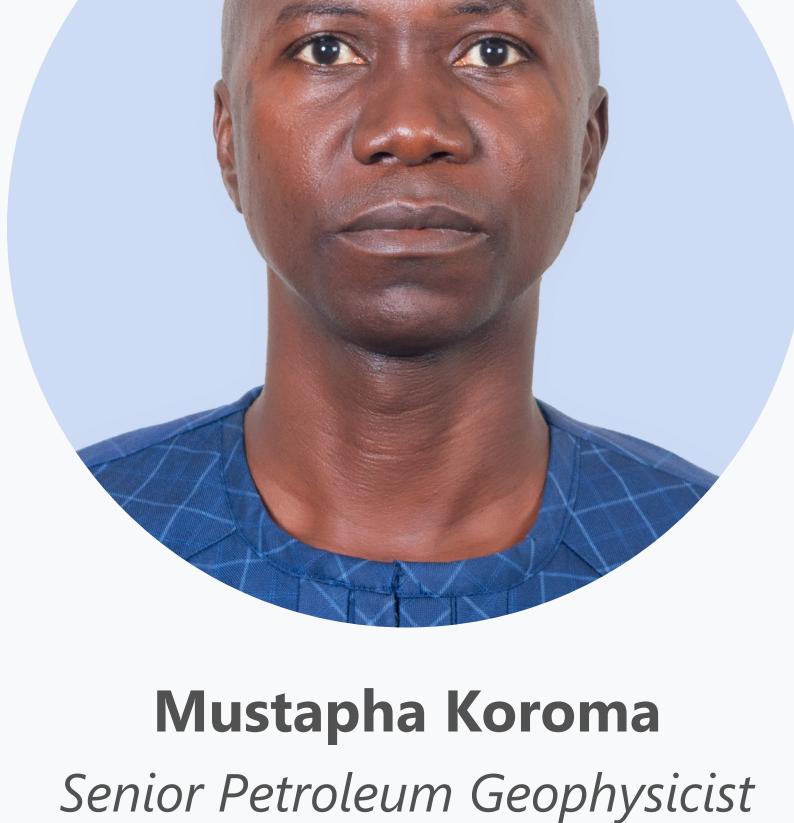
Mohamed A. S. Mustapha
Head of Procurement & Logistics



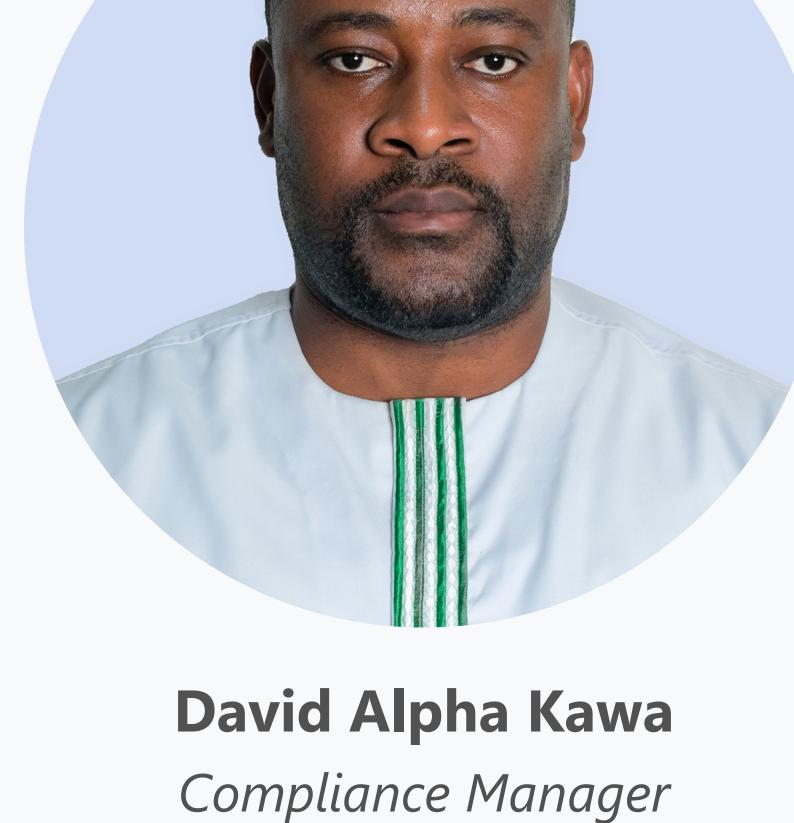
Eddinia Michaela Swallow
Senior Legal Counsel



Masa Bah
Senior Petroleum Geologist



Mustapha Koroma
Senior Petroleum Geophysicist



David Alpha Kawa
Compliance Manager



Our Values

Transparency, accountability, integrity, and collaboration are the backbone for achieving our collective ambition, which is to be a world-class petroleum regulator. These four core values guide our actions and relationships with stakeholders.



Our Mission

Our mission is to facilitate the optimal exploration and development of the Republic of Sierra Leone's petroleum resources for the long-term benefit of her people.



Our Vision

Our vision is to lead the process of unlocking and realizing The Republic of Sierra Leone's petroleum resource potential and transform the country's growth agenda through the sustainable development of the petroleum sector.

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