



SENEGAL SEDIMENTARY BASIN

Offshore Petroleum Potential



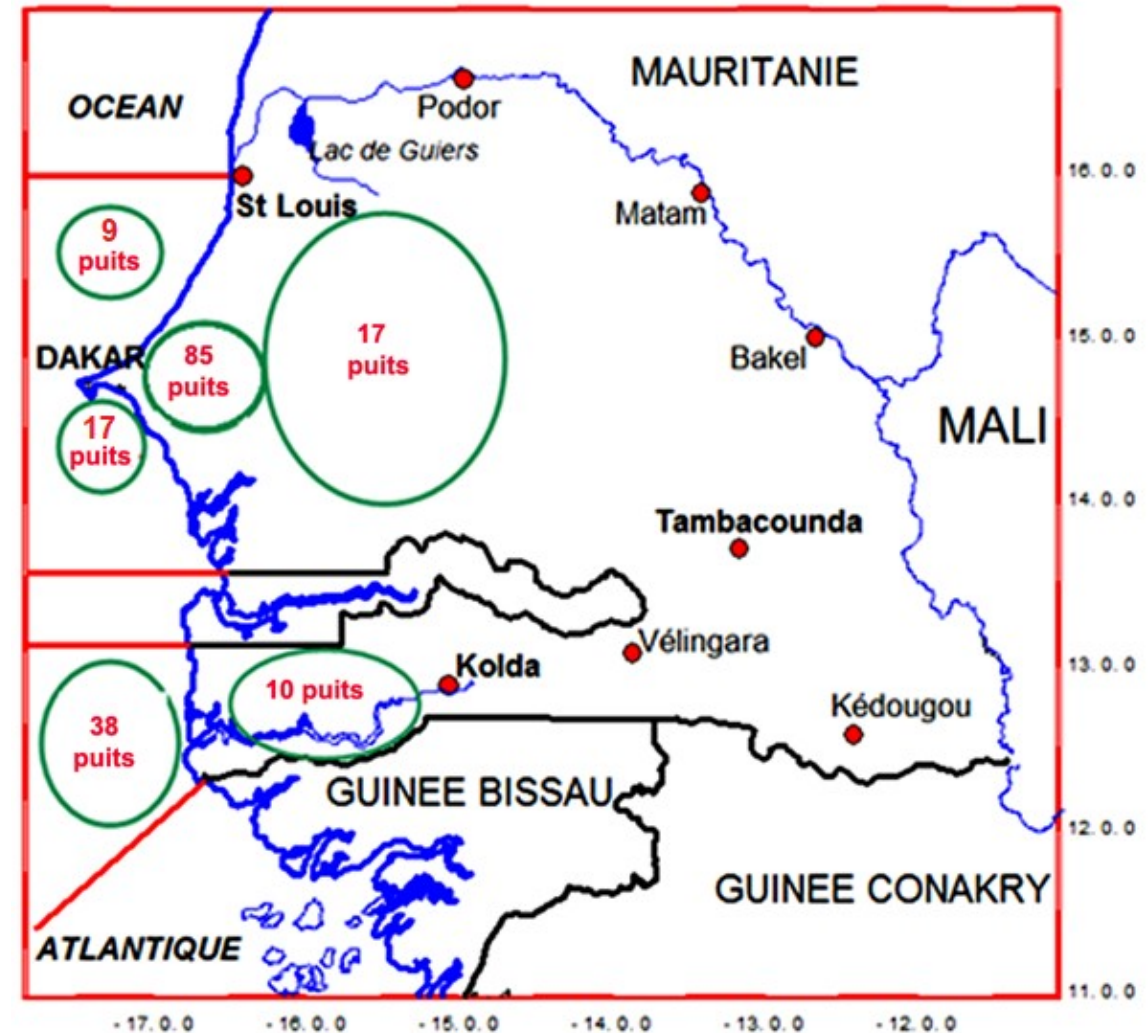
Exploration work since 1952

Seismic Acquisition

- 61767 km of 2D seismic
- 62 239 km² of 3D seismic

Exploration Wells

- A total of 176 exploration, appraisal and development wells (most of the wells are drilled in the Dakar/Thies area and offshore south)
- The basin remains under explored





Discoveries

☐ Diam Niadio in 1961

Small oil and gas fields in the Maastrichtian section

☐ Dome Flore & Gea in 1967

About 1 billion barrels of heavy oil in the Oligocene limestone

☐ Gadiaga in 1976 / 1997

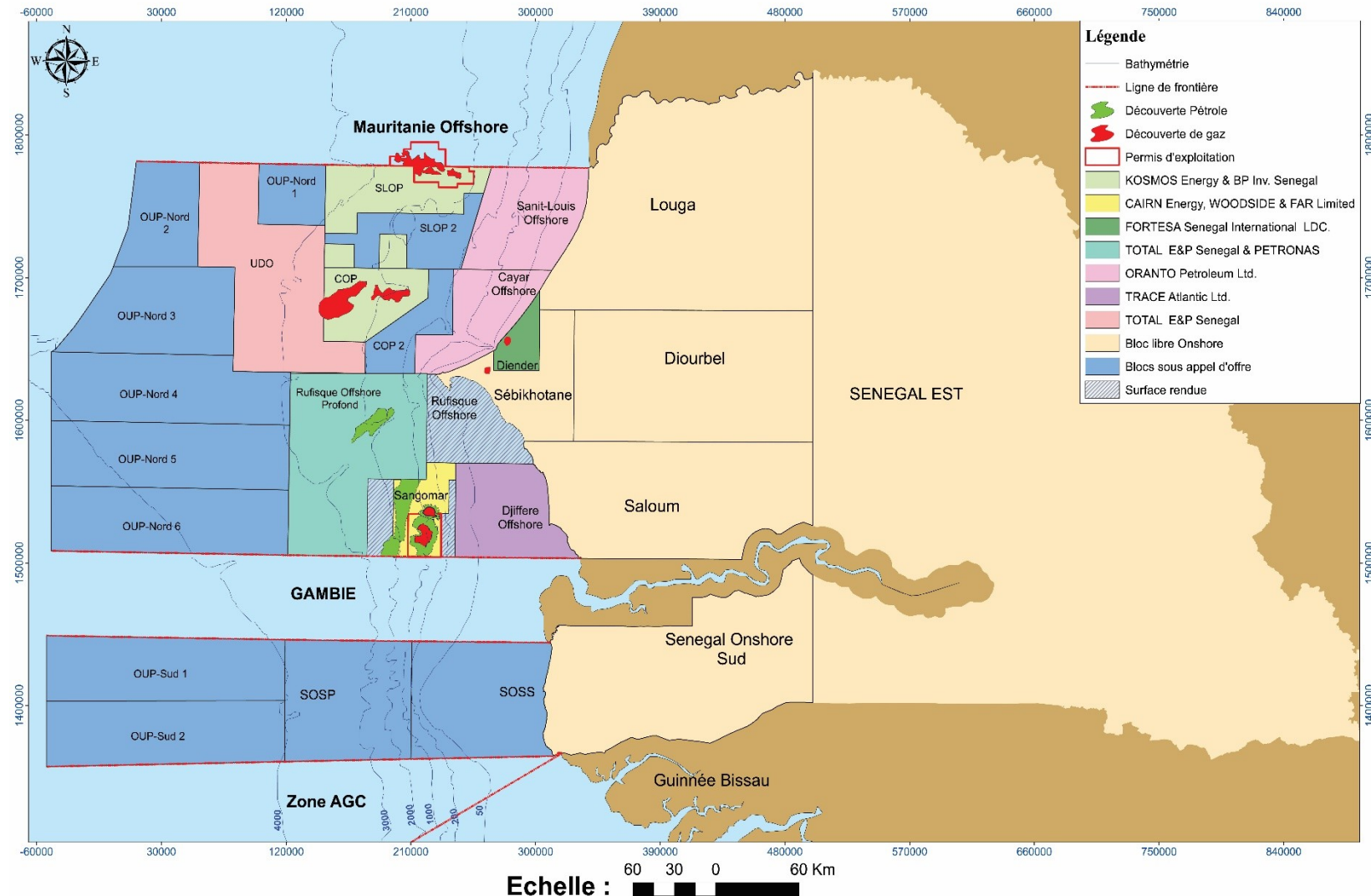
Gas reserves in Campanian and Senonian sandstones.

☐ Sangomar Offshore Profond in 2014, 2017

4 oil & gas discoveries in the Cenomanian & Albian.

☐ Saint Louis & Cayar offshore Profond in 2015, 2016, 2017

3 great gas discoveries in the Cenomanian & Albian

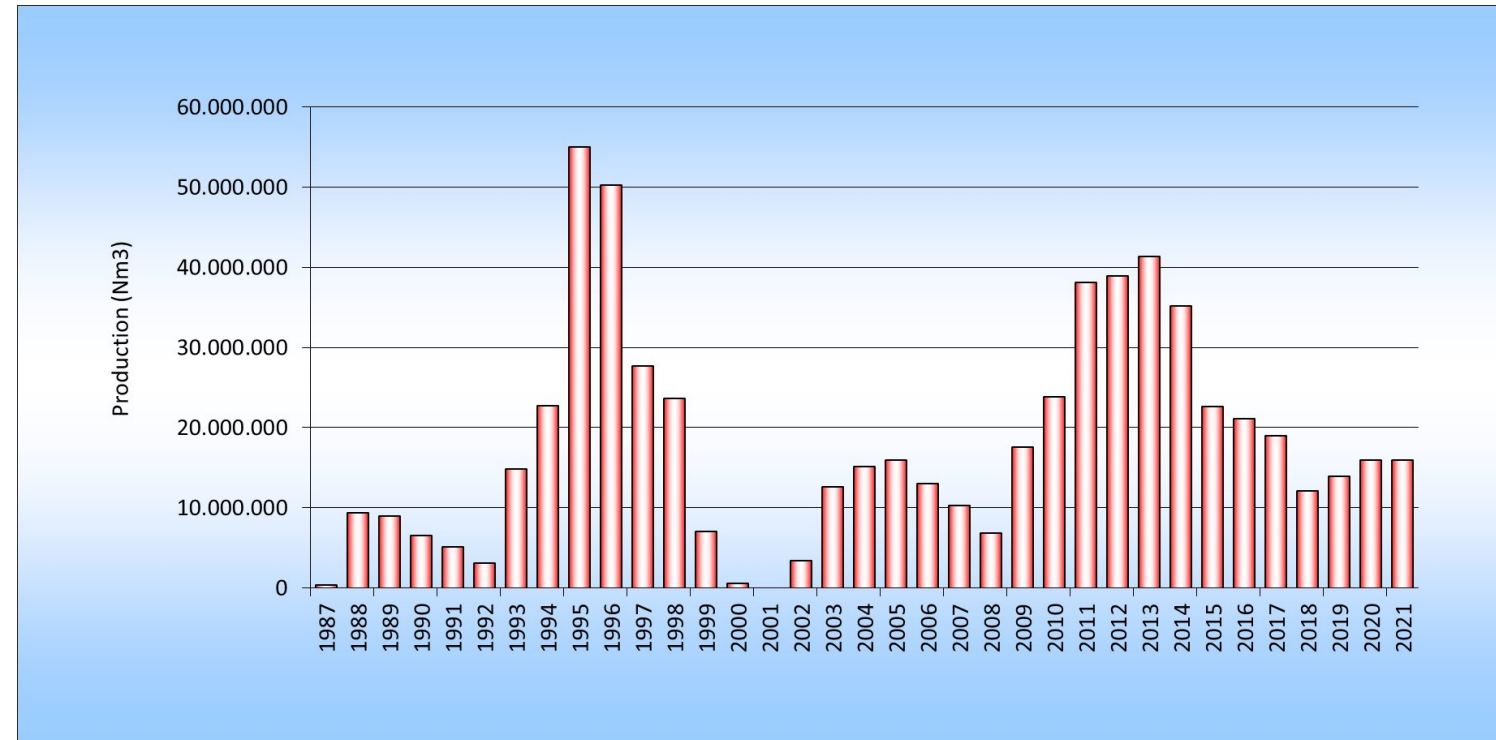
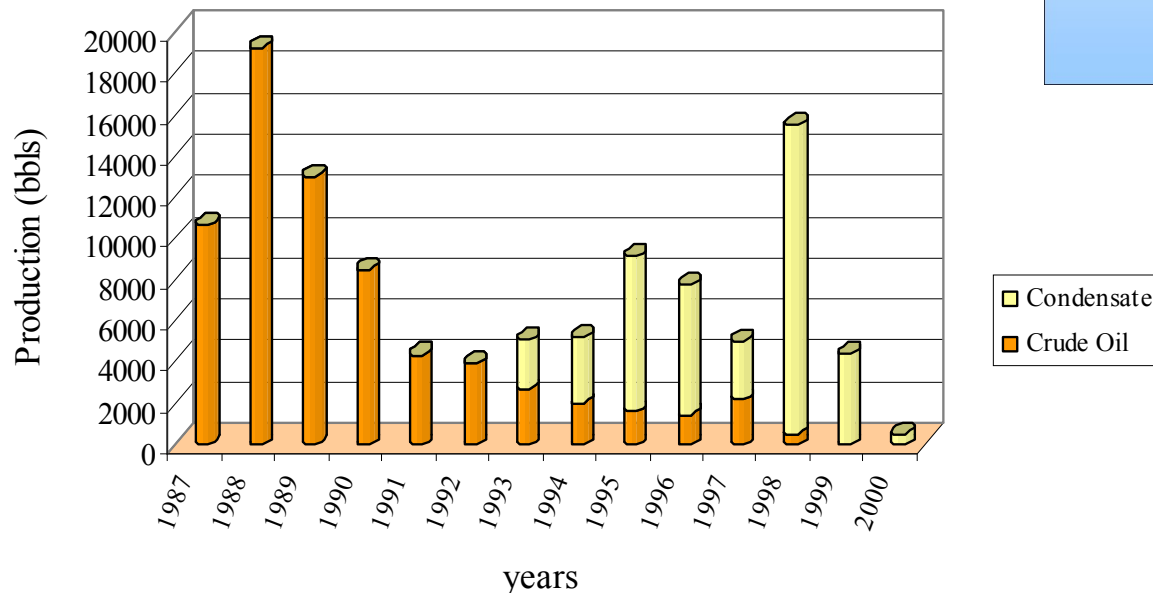




Production

- 62.500 barrels of crude oil (34° API)
- 35.600 barrels of condensate

Crude Oil & Condensate Production between 1987 and 2000



- Diam Niadio : 235 000 000 Nm3 of natural gas (8.8 BCF)
- Gadiaga/Sadiaratou : about 393 000 000 Nm3 of natural gas (about 15 BCF)



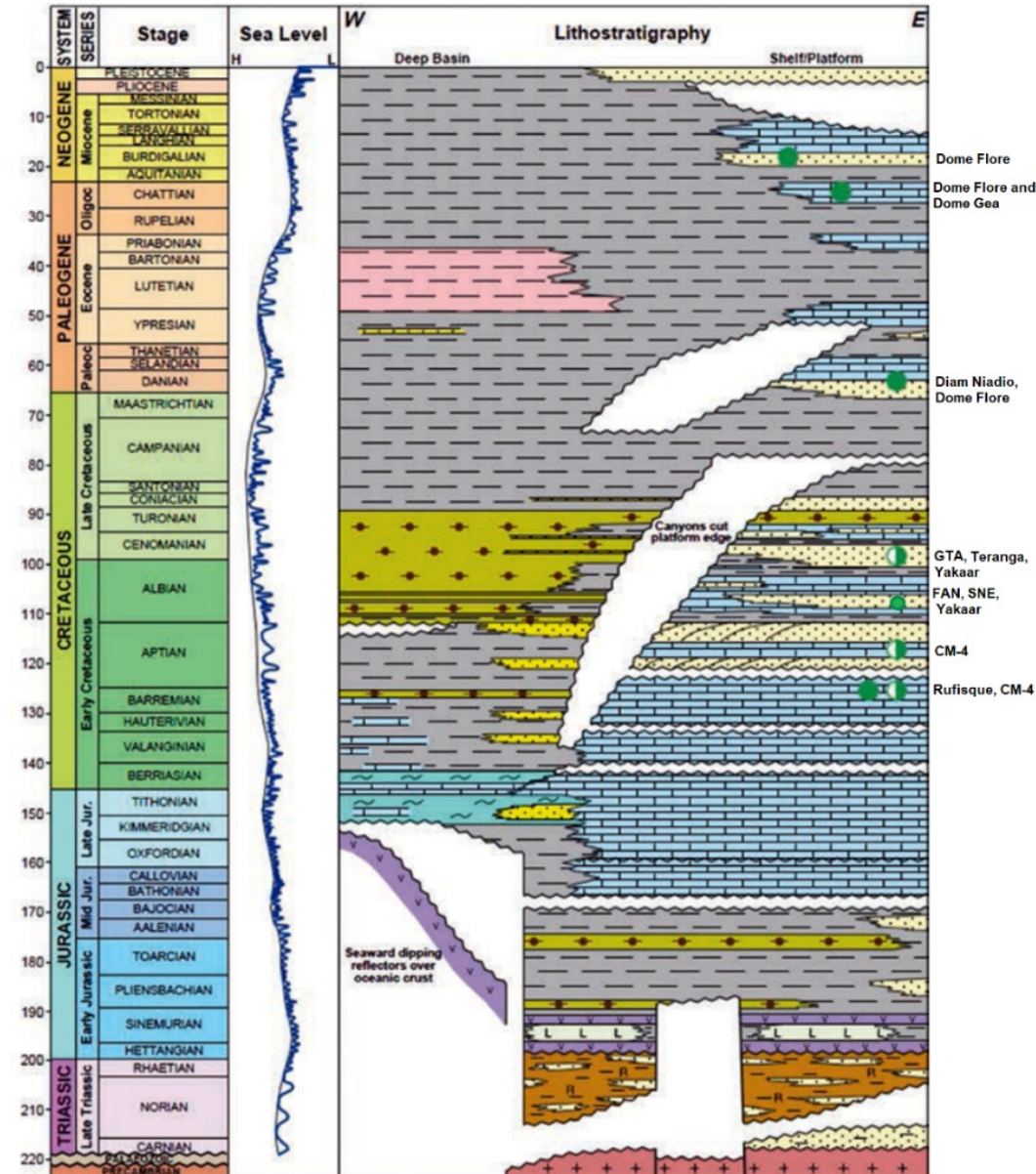
Offshore Potential : Reservoirs and Sources Rocks

Proven reservoirs:

- ☐ Miocene and Oligocene (Dome Flore and Dome Gea);
- ☐ Maastrichtian (Diam Niadio and Dome Flore);
- ☐ Lower Senonian (Gadiaga/Sadiaratou);
- ☐ Cenomanian (GTA, Teranga, Yakaar);
- ☐ Albian (FAN, SNE, Yakaar)

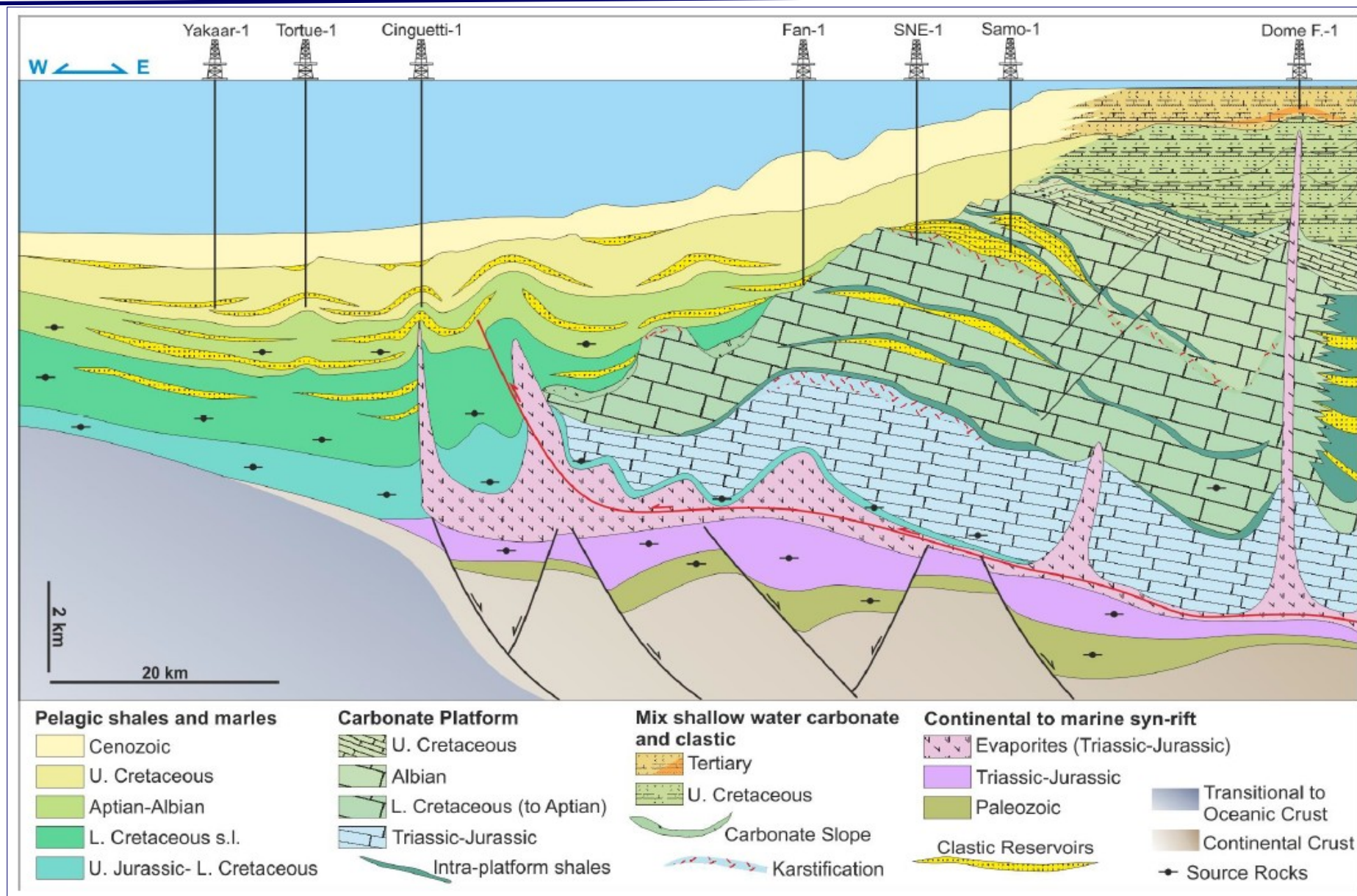
Proven Source Rocks:

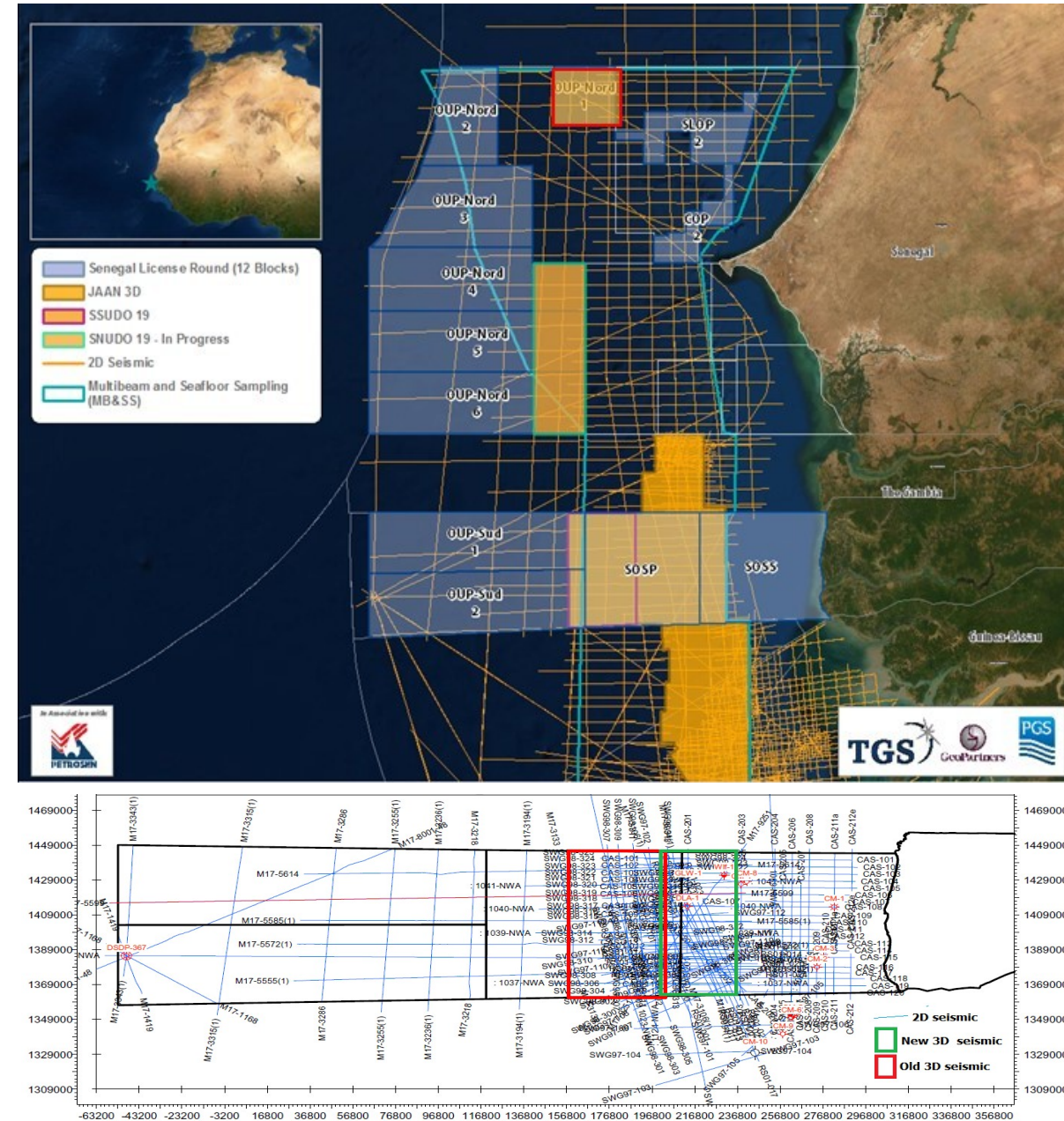
- ☐ Cenomanian/Turonian
- ☐ Albian
- ☐ Jurassic?





Offshore Potential : Play







Available Data

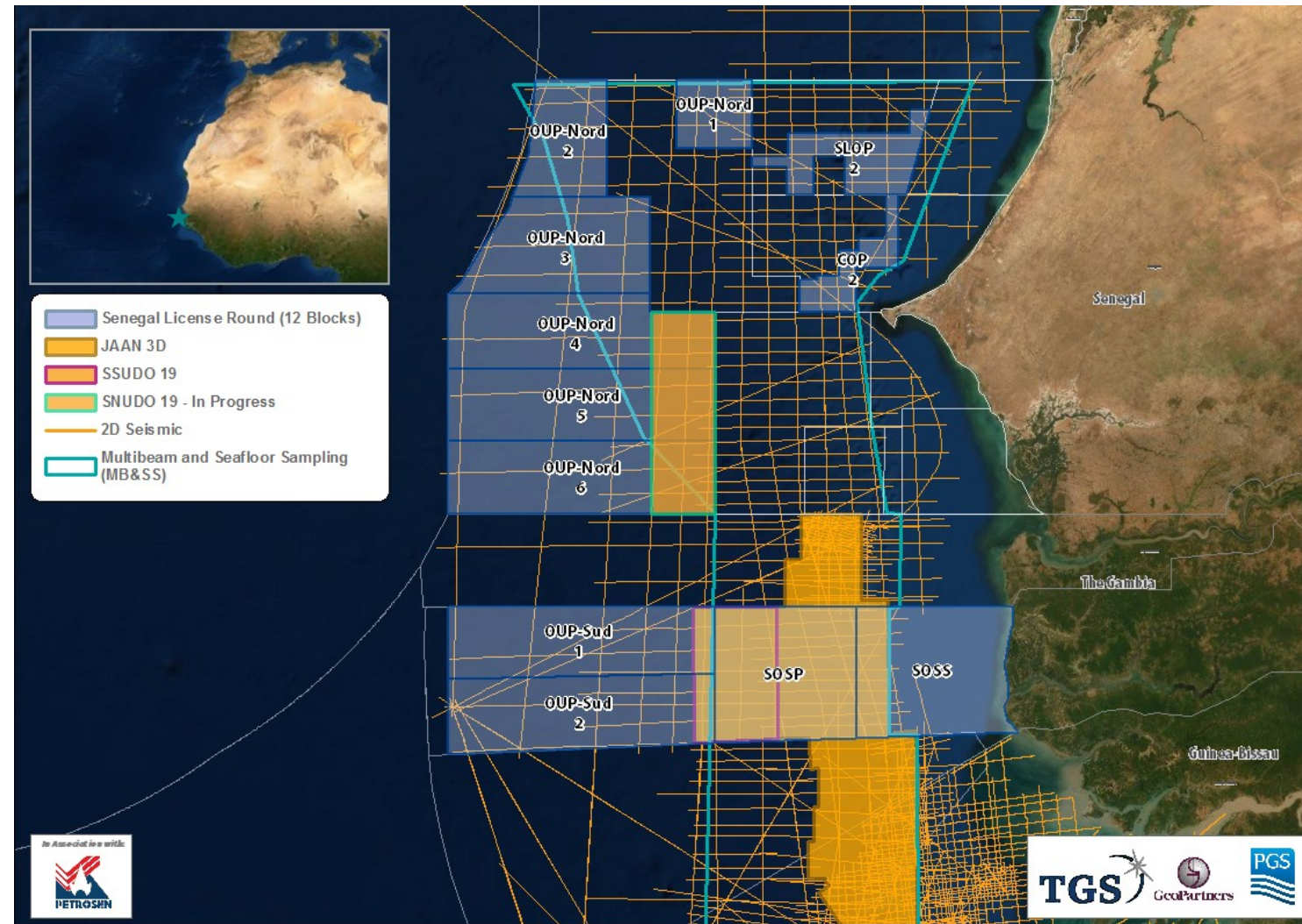
MultiBeam & Seabed Sampling

114,000 sq. km MBSS data of which
~63,000 sq.km is in Senegal

260 targeted data driven piston cores,
based on:

- 709 Backscatter anomalies
- 78 Water Column Anomalies

23 JPCs and Heat flow measurements





Available Data

(2015) Regional Reservoir Study and Geological Dataset

Available from Core Laboratories in association with the **PETROSEN**, GNPC, AGC

Includes 40 wells offshore

Cuttings / cores / SWC / fluids / well reports and legacy logs

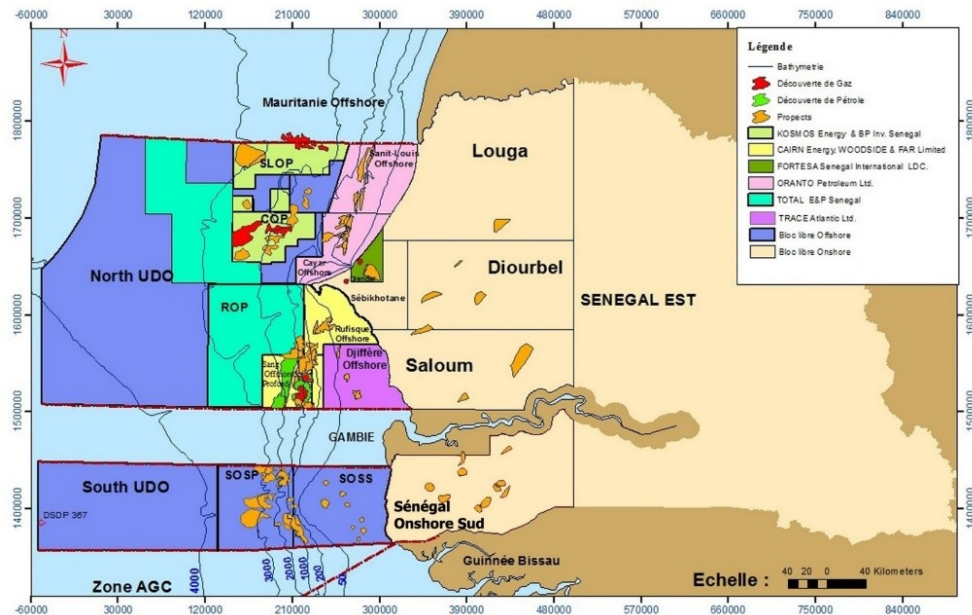




Why invest in Senegal

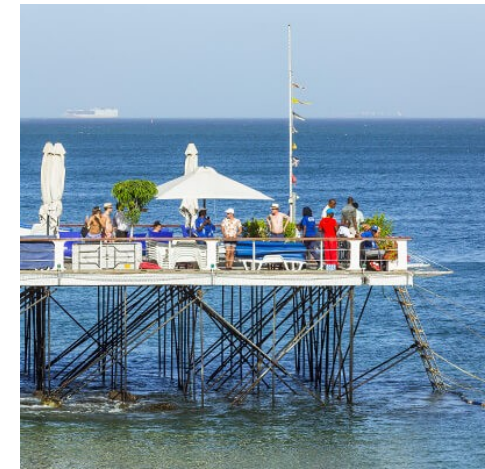
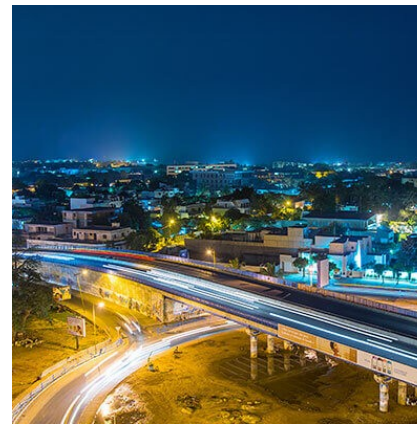
The Potential

- ❑ Hydrocarbons Discoveries & Shows (Diam Niadio, Gadiaga, Dome Flore, Sangomar Deep Offshore)
- ❑ Precense of Source Rocks : (Turonian, Cenomanian, Albo-Aptian & Silurian shales)
- ❑ Multiples play types in the deep and ultra deep offshore



The Country

- ❑ A stable and open Country
- ❑ Modern and basic infrastructures
- ❑ A healthy and competitive economy
- ❑ Quality human resources
- ❑ A legal framework and tax incentive
- ❑ Privileged access to regional and international markets
- ❑ Outstanding quality of life

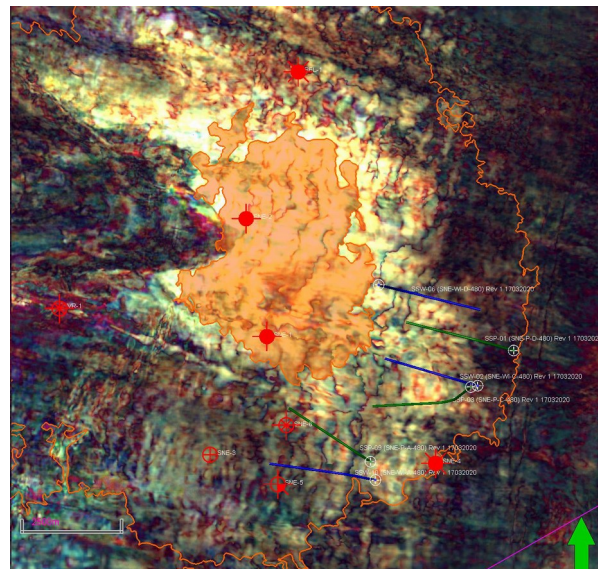
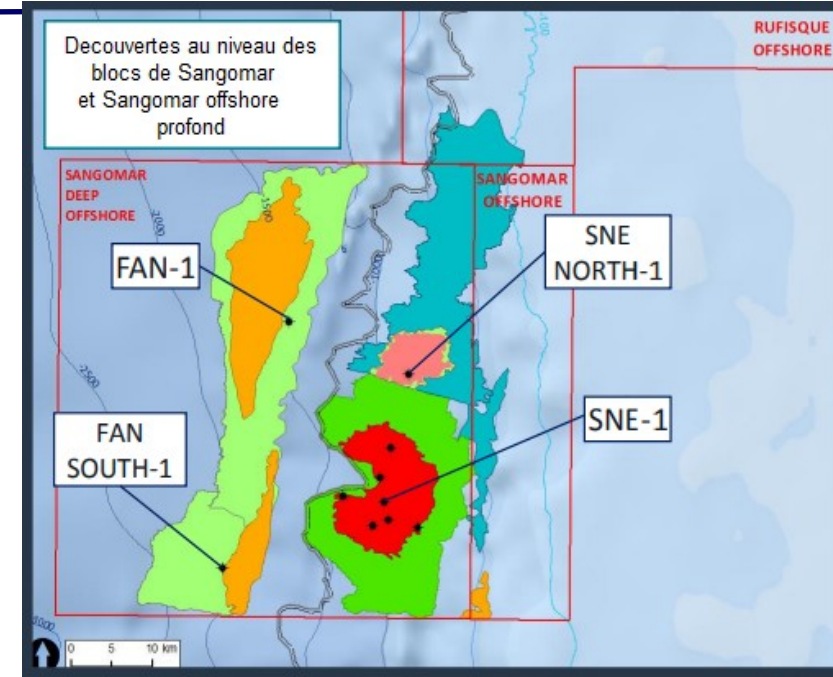




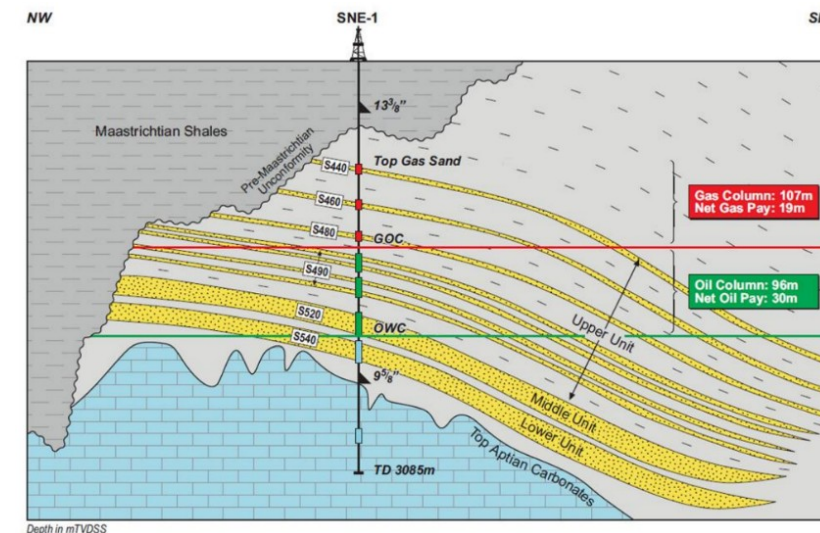
Why invest in Senegal - Sangomar Discoveries

Field	Resources (P50)
Sangomar Oil (Ex. SNE)	631 million de barils
Sangomar Gas (Ex. SNE)	2.4 TCF
FAN	978 million de barils*
FAN South	192 million de barils*
SNE North pétrole	268 million de barils*
SNE North gaz	541 BCF*

* Resources in place



Sediment waves

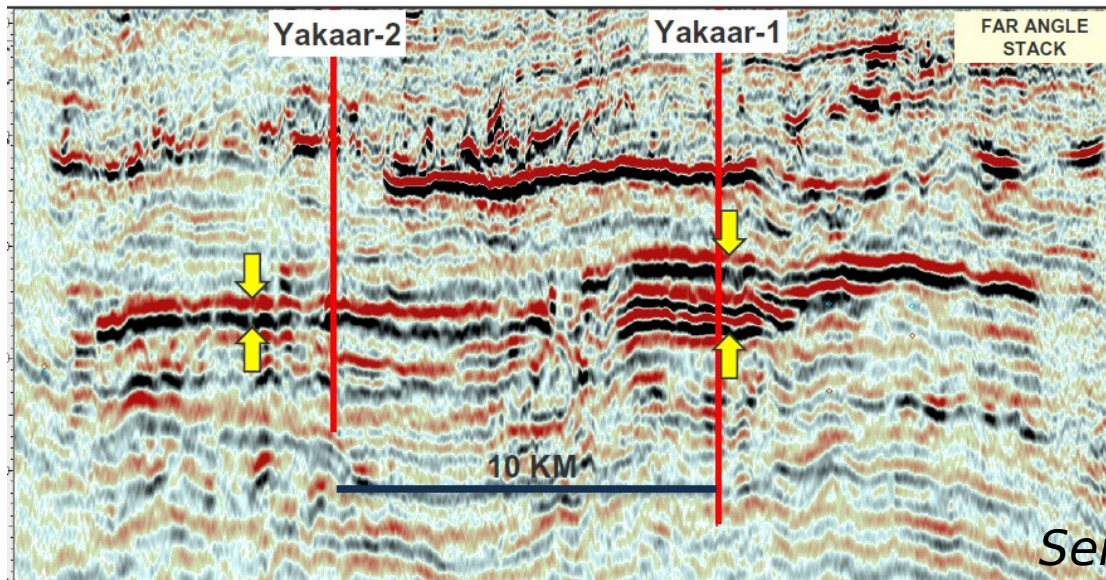
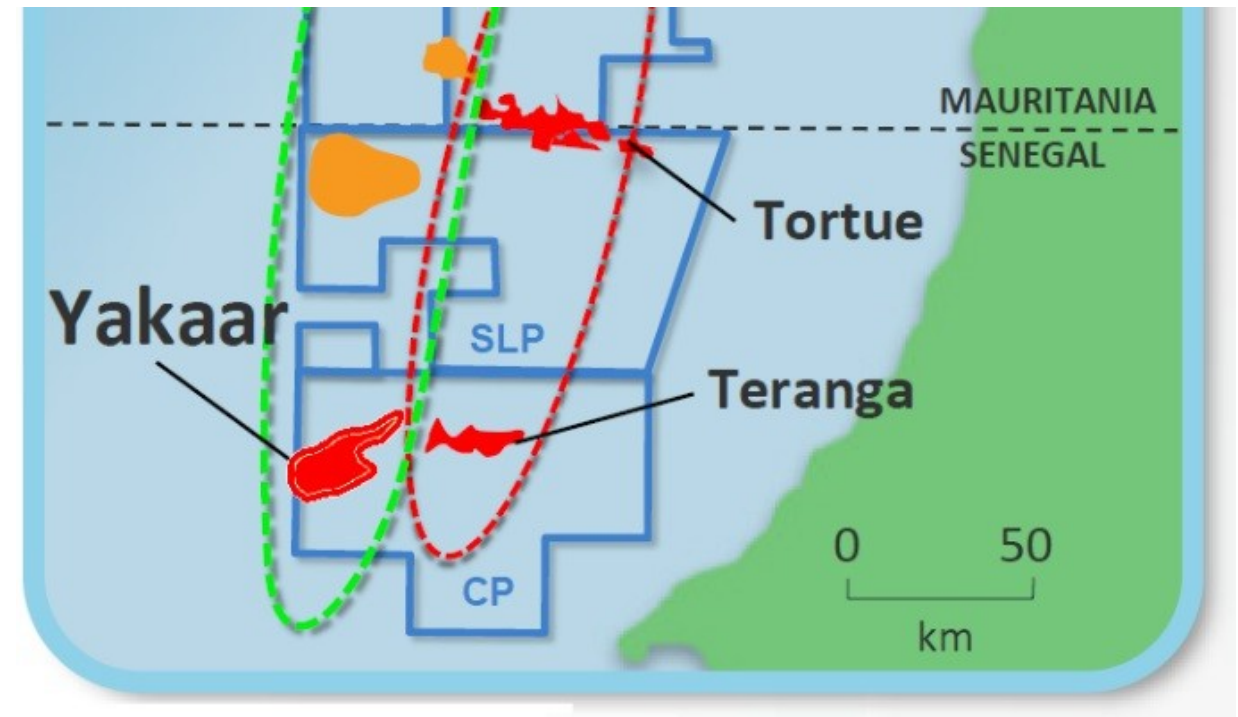


Woodside Energy



Why invest in Senegal - GTA, Yakaar/Teranga Fields

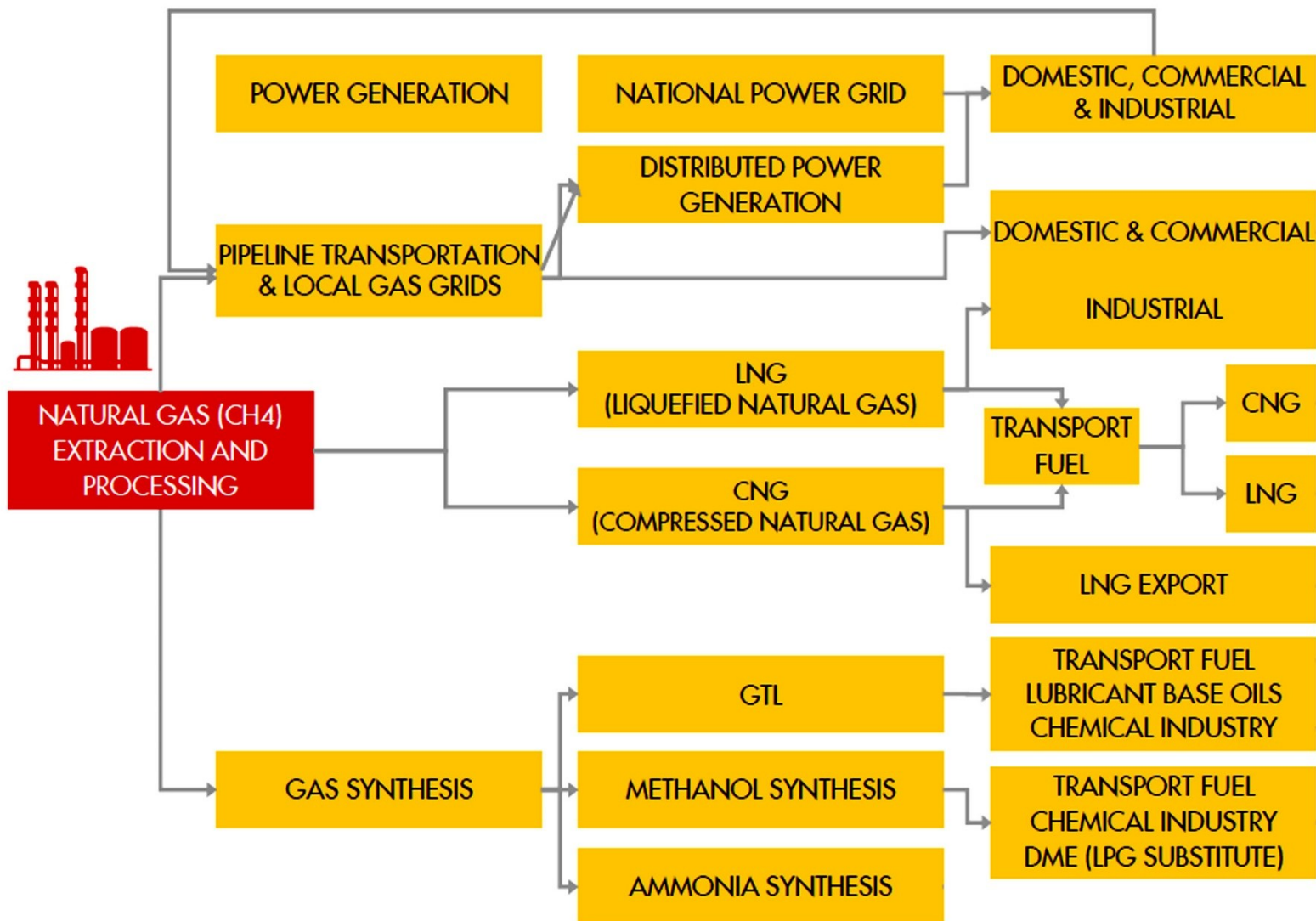
Field	GIIP (Trillion Cubic feet)
Grand Tortue/Ahmeyin (GTA)	+20
Yakaar-Teranga (YT)	32



Seismic line through Yakaar 1 and 2 wells



Why invest in Senegal - Gaz Monetization Opportunities





Your Sincerely