



E&P activities in Mauritania

Current status and perspectives

Ba Mohamed Ahmed Seyidi
Deputy Director Of Exploration & Production

Beirut 05/12/2018

Summary

- ❑ Legal framework
- ❑ Geological framework
- ❑ Recent developments of the sector
- ❑ Current projects
- ❑ Conclusion



LEGAL FRAMEWORK

- **Hydrocarbons Law** : Adopted in 2010 (Loi N° 2010-033), amended in 2011 (Loi N° 2011-044), and in 2015 (N° 2015-016).

Key new elements :

- Approval of PSCs by decree (instead of law) : flexibility;
 - Possibility for non exclusive reconnaissance authorization;
 - Operators to adhere to the **ITIE**;
 - Clarity on the **fiscal regime**, treated on the contractual level;
- **Exploration/Production Contract model**



LEGAL FRAMEWORK

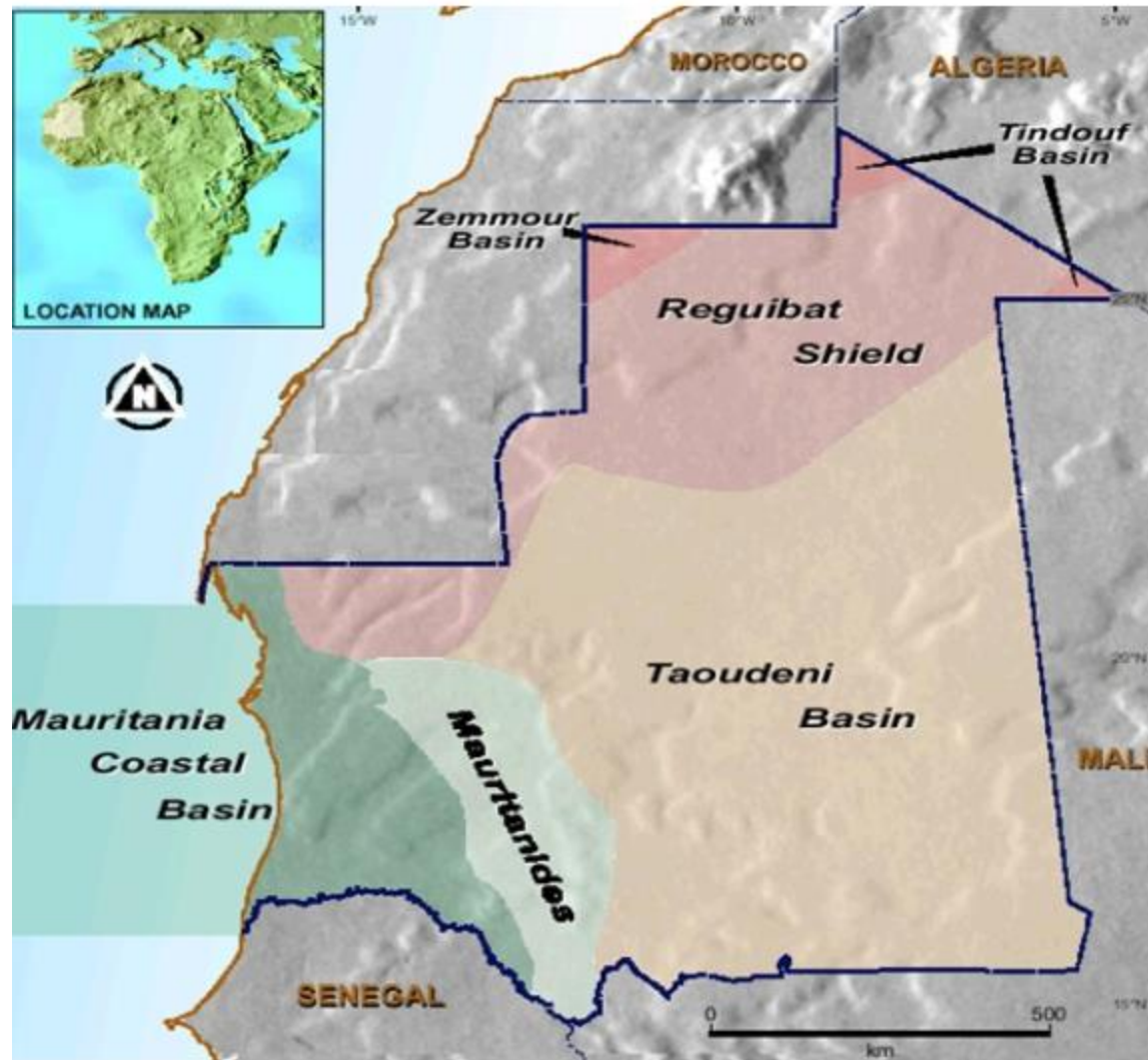
- **Key elements of the PSC**

- **Bonus : Signature/ Production : negotiable;**
- **Training / Promotion budgets : negotiable;**
- **Environmental Commission : negotiable;**
- **NOC Capacity building : negotiable;**
- **Exploration Period : 10 years maximum / 3 phases;**
- **Relinquishment : 25% at each renewal;**
- **Production Period : 25 years (Oil) & 30 years (Gas), renewable once for 10 years;**
- **Cost Oil : Negotiable, with « cost stop » (60% for Oil / 65% for Gas);**
- **P.O. share : based on “R factor”, Negotiable;**
- **Income Tax : negotiable (common rate: 25% and UP).**



GEOLOGICAL FRAMEWORK

Four main geological units

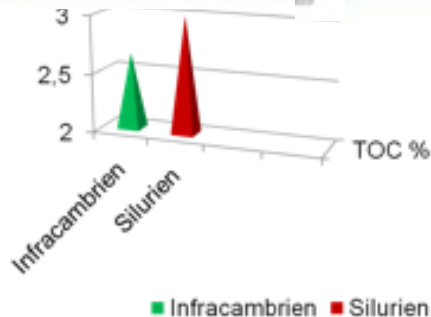
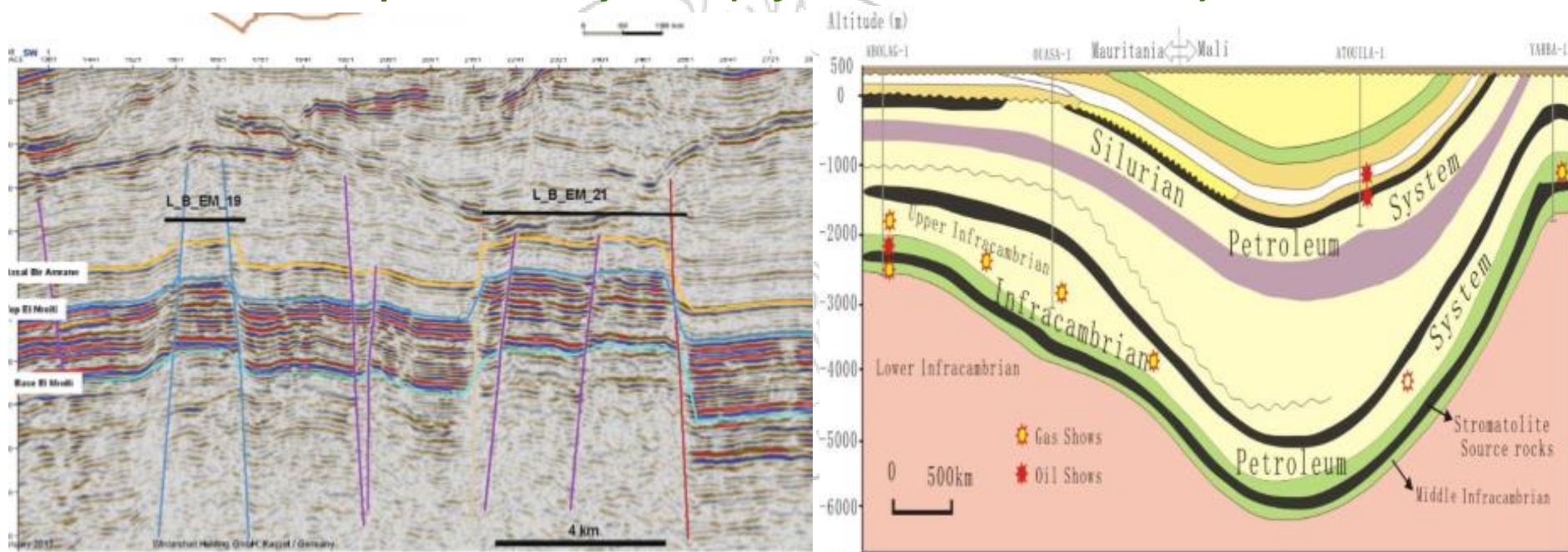


GEOLOGICAL FRAMEWORK

■ Taoudenni Basin

Two main reservoirs (up to 20% porosity)

Two petroleum systems (Infracambrian et Silurian)

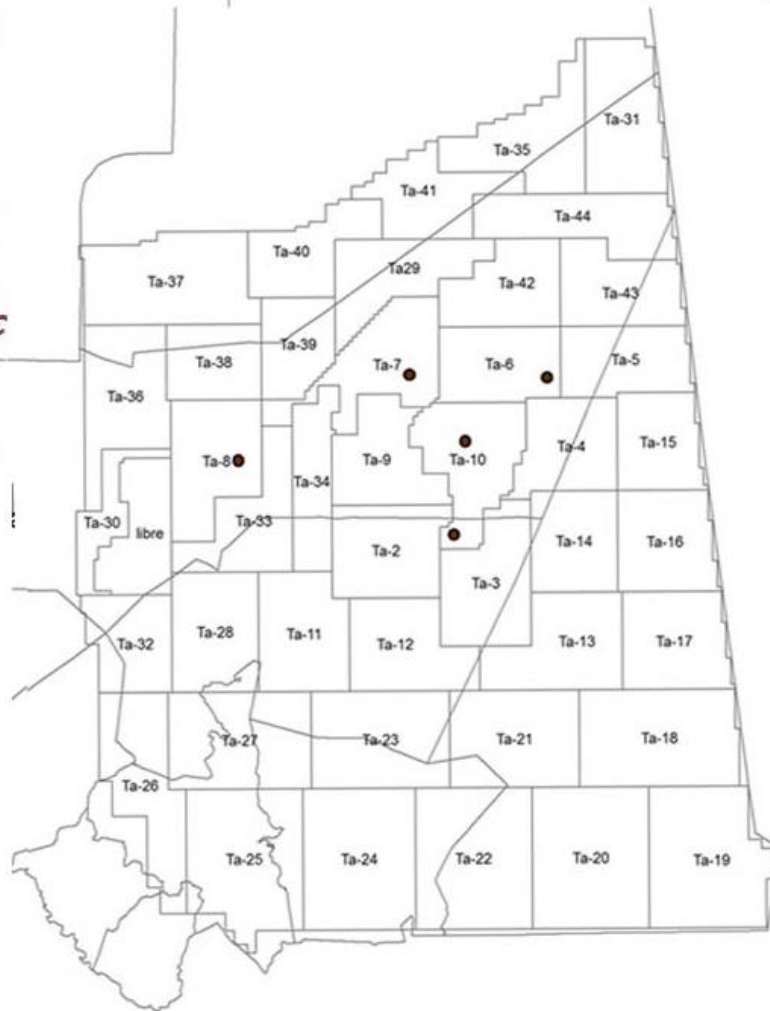


GEOLOGICAL FRAMEWORK

■ Taoudenni Basin

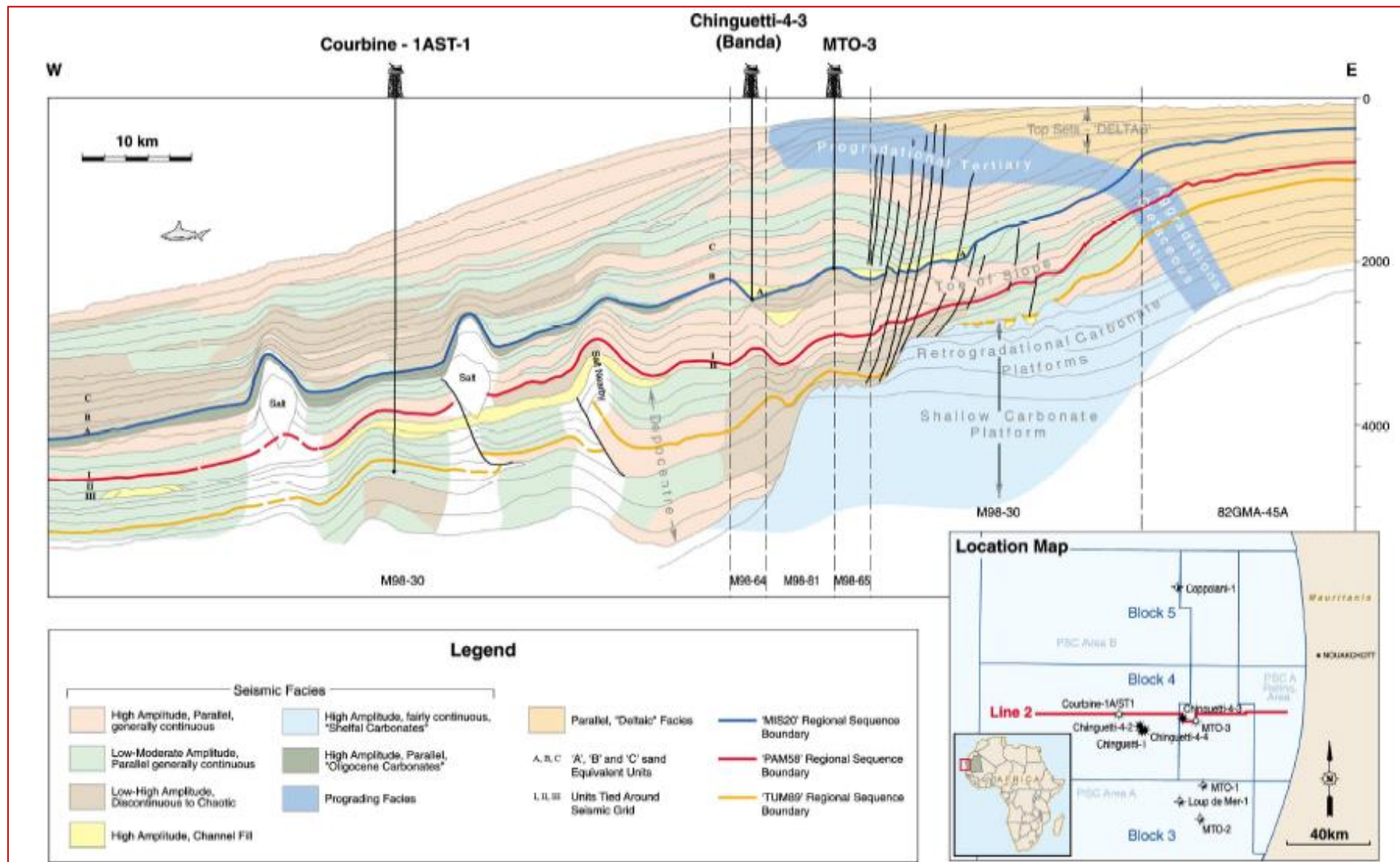
■ *Activities undertaken*

- *Surface: 500 000 km²*
- *44 blocs (2) under contract*
- *15 015 km of 2D seismic*
- *5 wells drilled*
- *0 discovery*



GEOLOGICAL FRAMEWORK

Coastal Basin



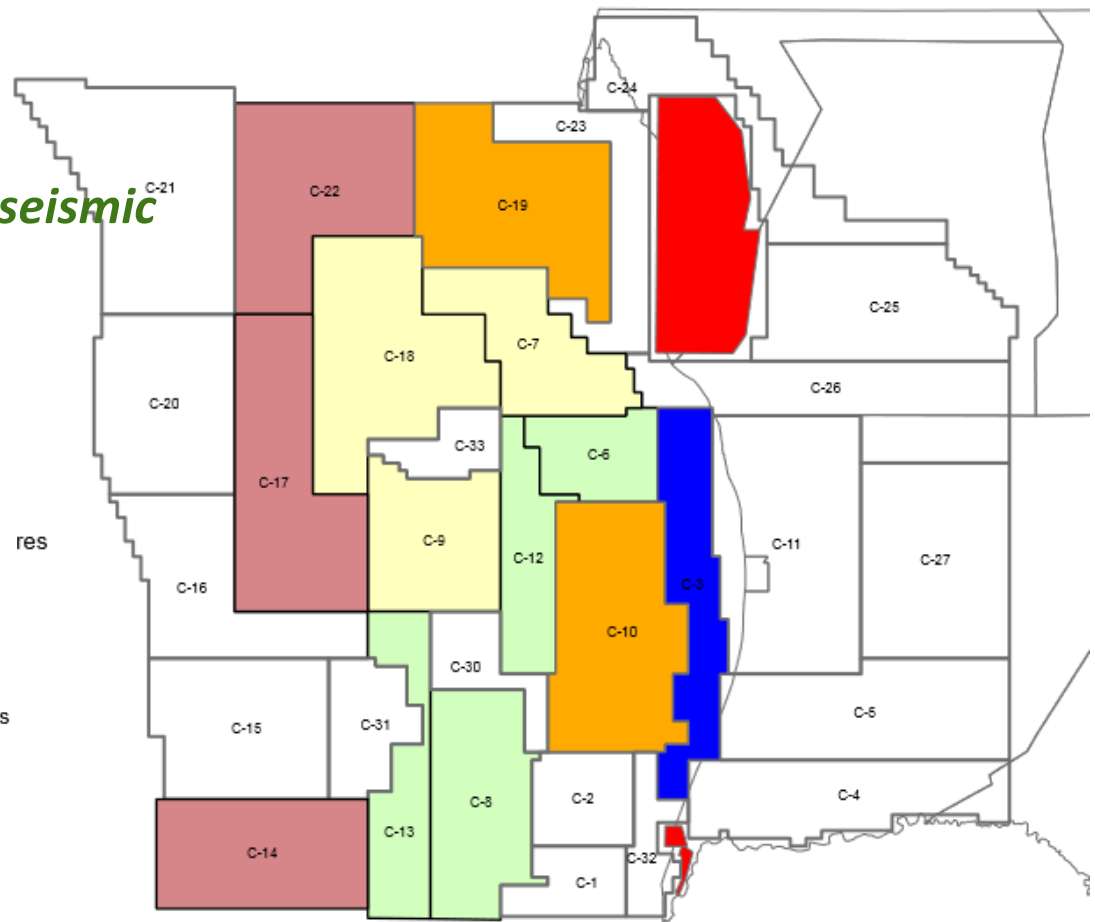
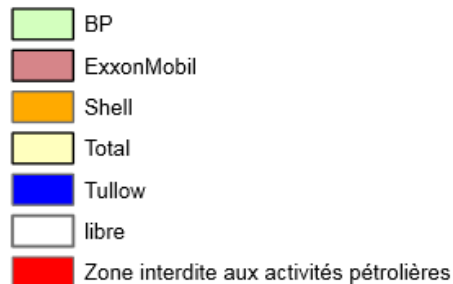
GEOLOGICAL FRAMEWORK

Coastal Basin

Activities undertaken

- Surface: 184 000 km²
- 32 blocs (14) under contract
- 6 Operators present
- 84 694 km of 2D seismic
- Almost 85 000 km² of 3D seismic
- 71 wells drilled
- 9 discoveries

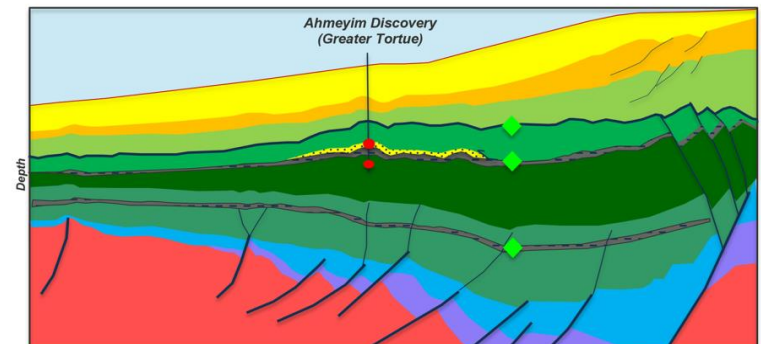
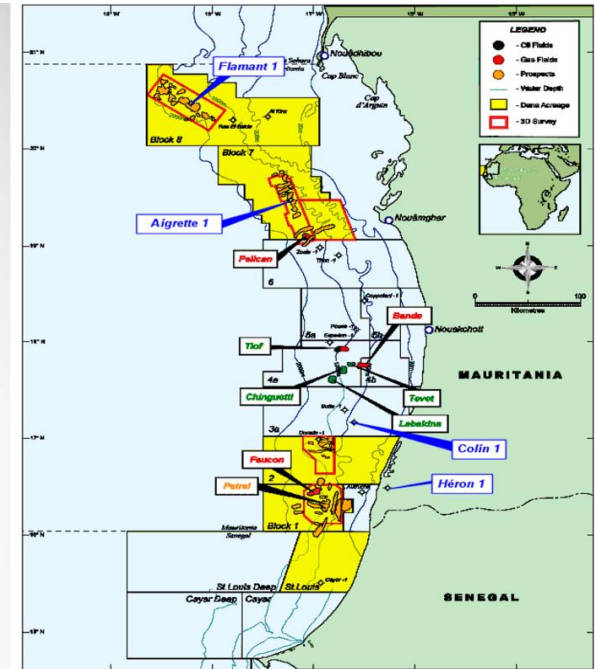
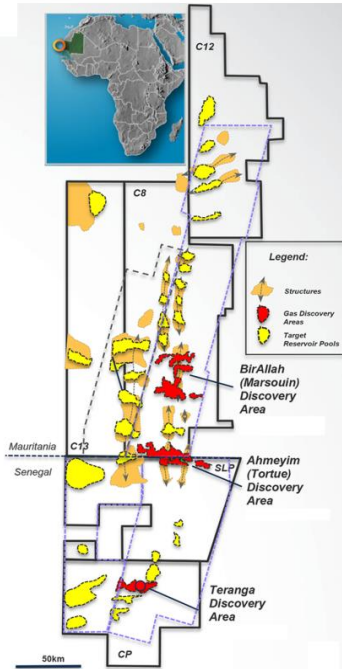
4 Majors present



GEOLOGICAL FRAMEWORK

- Coastal Basin
 - Discoveries

- Chinguetti (2001), Zone B
- Banda (2002), Zone A
- Walata (2003), Zone B
- Pélican (2003), C7
- Tevet (2004), Zone B
- Labeidna (2005), Zone B
- Aigrette (2006), C7
- Ahmeyim (Ex-Tortue) (2015), C8
- Bir Allah (Ex- Marsouin) (2015), C8



CURRENT PROJECTS

GTA discovery development

-  *ICA signed in February 2018*
-  *FID expected end of this year*
-  *First gas 2021/2022*

Project Gas To Power (Banda)

Integrated development of C10 discoveries

Chinguetti abandonment (First phase finished)



2019 AND BEYOND OUTLOOK

- 👉 *Massive 3D seismic volume acquisition (30 000 of km²)*
- 👉 *ExxonMobil on blocks C14, C17 and C22*
- 👉 *Shell on blocks C10 and C19*
- 👉 *Wells to be drilled (2019-2020)*
 - 👉 *Total, BP and Tullow*
- 👉 *Development of GTA (first gas 2021-2022)*
- 👉 *Others small fields development*
- 👉 *Taoudenni Basin new strategy of promotion*



Importation of Oil Products

- ▶ The importation of oil product in Mauritania is subject to tender, where the supplier is selected.
- ▶ Mauritania's imports of oil products in 2017 amounted to about 6.9 million barrels.

CONCLUSION

- 👉 *An attractive and modern legal and investment framework*
- 👉 *Transparent procedure of PSC awarding*
- 👉 *Transparency in petroleum resources management (ITIE), Mauritania has been declared in 2017 compliant with the 2016 ITIE standards*
- 👉 *Security climate*
- 👉 *Proactivity and business understanding (Oil Culture)*



Thank you for your attention

