

# 5º FÓRUM TÉCNICO

## PRÉ-SAL PETRÓLEO

Rio de Janeiro | November 29th, 2022

# LOGISTICAL ALTERNATIVES FOR PRE-SALT PRODUCTION OFFLOADING

**Samir Passos Awad**

Finance, Administration and Marketing Director - PPSA

Apoio:



Realização:



MINISTÉRIO DE  
MINAS E ENERGIA



## Average pre-salt production in October 2022:



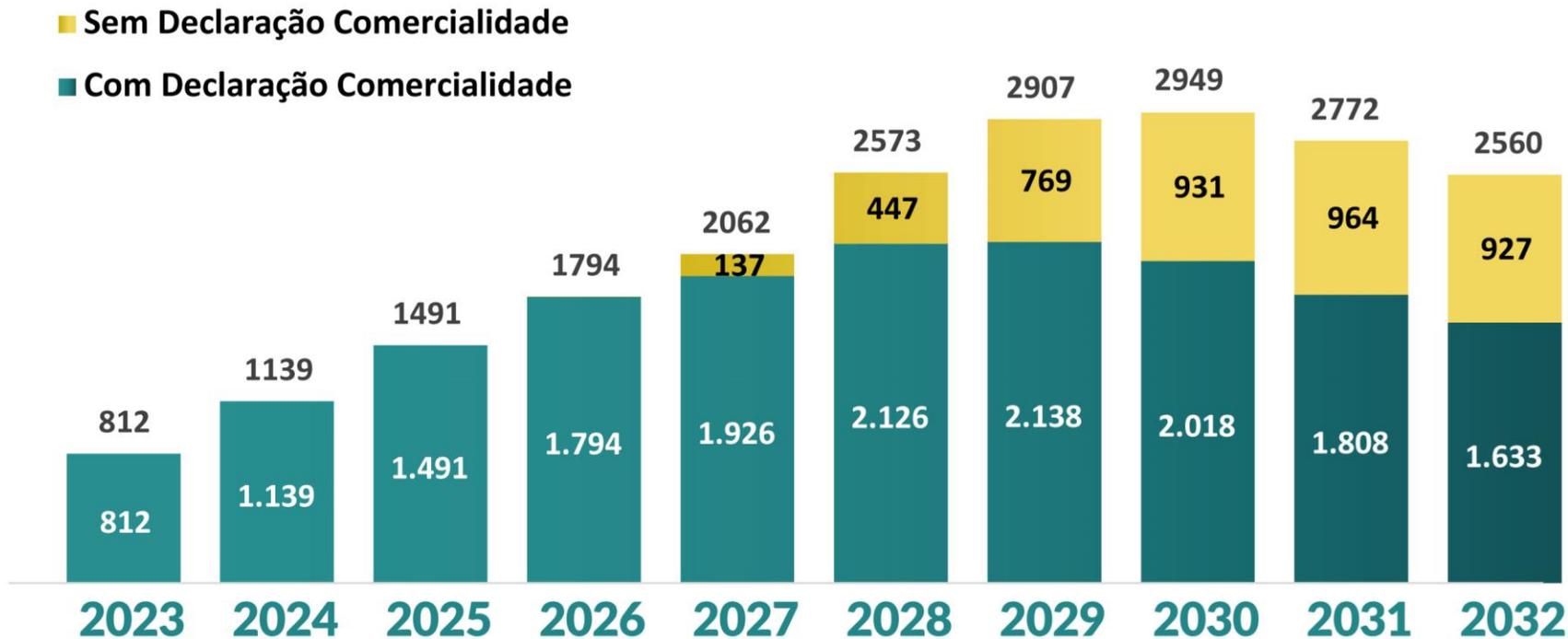
2.46 million barrels  
per day  
(ANP)



Around 50 DP class 2 shuttle tankers are hired by operators to offload pre-salt oil production from concession areas and production sharing contracts.



# Average Daily Production from 18 Production Sharing Contracts



(in thousand barrels per day)

## Production Growth x Shuttle Tankers

- **DP 2 ST is needed – will each operator hire more vessels?**
- **Less redundancy – impact on costs and carbon footprint;**
- **Pooling resources and/or Cargo Transfer Vessel (CTV), through field tests, may bridge the gap in the near future.**

*Ronaldo Cavalcante Freire - Petrobras*



Geologist (UFC), Msc in Geodynamics (UFRN), MBA in Business Management (IBMEC), Specialization in Advanced Petrophysics (UT at Austin, Texas), with 17 years of experience in O&G industry, 1 year at ANP (2005-2006) and 16 years at Petrobras (since 2006), working in many different areas as:

- Well site geologist at Exploration department based in Aracaju for 2 year;
- Petrophysics and Formation Evaluation advisor at Exploration department based in Rio for 5 years;
- Formation Evaluation Coordinator based in Luanda, Angola for 1 year working in a pre-salt exploration block;
- Formation Evaluation Manager for Libra project based in Rio for 5 years;
- Applied Technologies Manager for Libra project based in Rio for the last 3 years.

*Gisele Mangifeste – Total Energies*



Bachelor of Nautical Sciences (Escola de Formação de Oficiais da Marinha Mercante - EFOMM/RJ)  
Executive MBA: International in Project Management (Fundação Getulio Vargas - FGV and University of California, Irvine - UCI)

Coastwise Captain with proactive behavior and committed to deliver safe operations. In the current position as Logistics & Engineering Support to Operations Manager at TotalEnergies, the challenge has been to provide technical expertise in the fields of marine, underwater and lifting operations across the Company. And, together with the Logistic team, manage the optimization of the fleet to attend operational and safety requirements for Company's operated fields.

*Sofia Durham - Equinor*



Sofia currently works as a Head of Shipping Americas at Equinor. Sofia is responsible for a team composed of charterers and shipping operators. The Shipping Americas team manages the time charter fleet and spot charter vessels for the trading organization, including activities in the East coast of Canada, in the US Gulf, East and West Coasts and all of shipping related activities in Brazil.

Sofia is the chairperson of the board that oversees the transportation and transshipment activities of all offshore production in the East Coast of Canada, including DP2 tanker pooling arrangements.

Sofia is a Chemical Engineer from Venezuela, who completed the INSEAD Global Executive MBA class of 2016 graduating with Distinction.

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## Welcome to the Panel!

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