

# **IMO 2020**

## Petrobras view

## Claudia Sousa

General Manager Domestic Market - Dirty Products

Due to Agenda incompatibility, Claudia Valeria Carreiro de Sousa was delegated by Claudio Mastella to this panel.

December 2019

## Disclaimer





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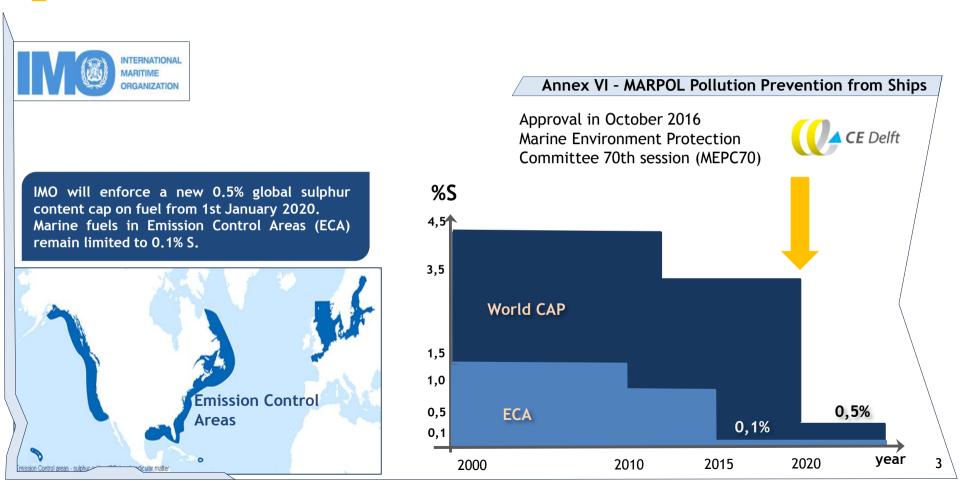
#### NON-SEC COMPLIANT OIL AND GAS RESERVES:

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## **MEPC Resolution**





## **Market Overview**



## comercial World Fleet > 90 thousand ships

**GNL/Scrubbers** low penetration

Refining investments not sufficient for coking of HSFO surplus and not relevant for its desulphurization

Bunker 2020 = Mixing of fuels: LSFO, gasoils, diesel.



90 million mt in bunker market

## **Shipping**



Spread 0.5%S vs. 3.5%S

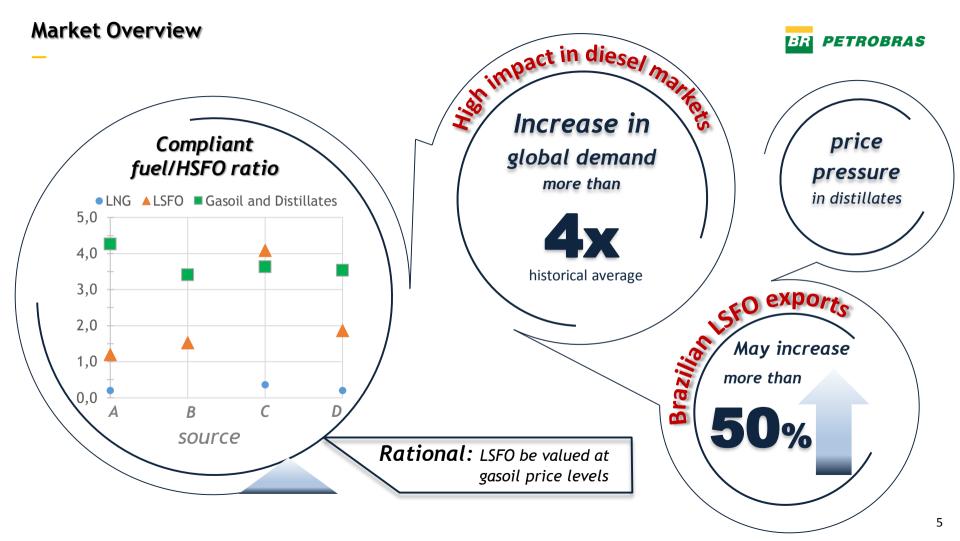
1 48 usd/bbl (~300 usd/t)

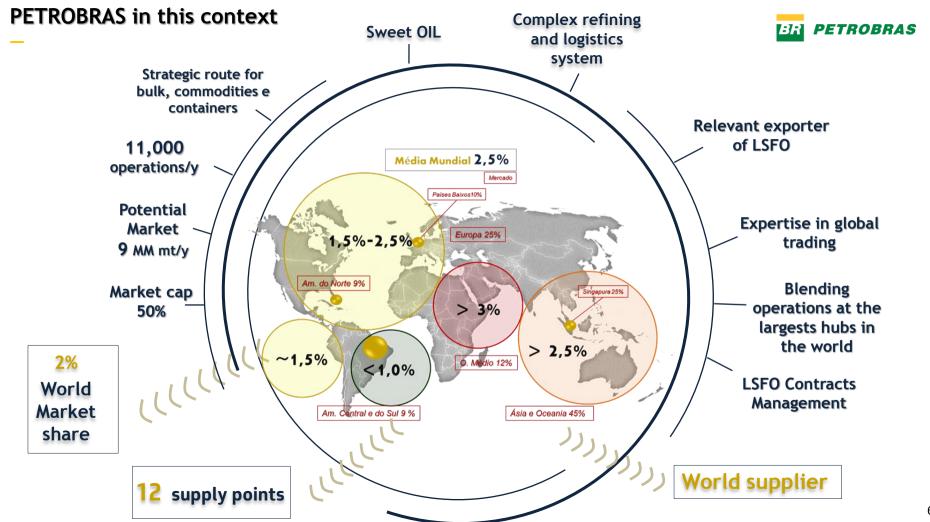
## Increase in diesel demand

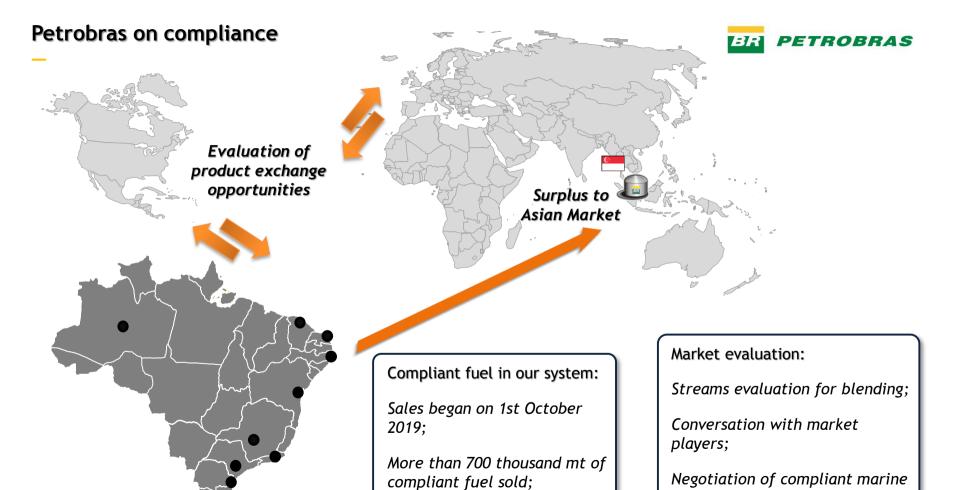
15 usd/bbl ULSD

## Refing margins

50%- 100%
mainly for complex systems



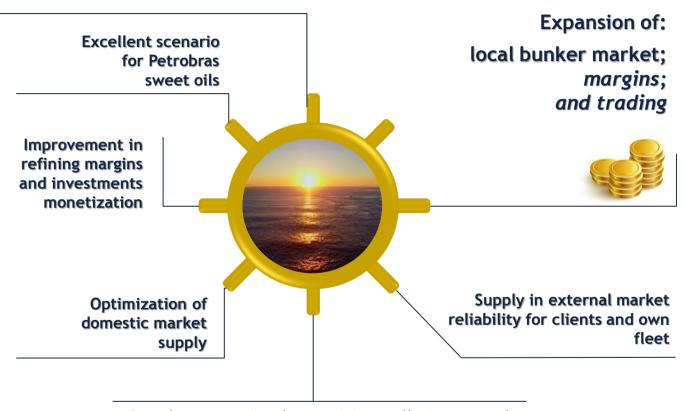




Improvements in our logistics.

fuel and fuel oil streams.





Petrobras committed to maritime pollution control and compliance achievement



