

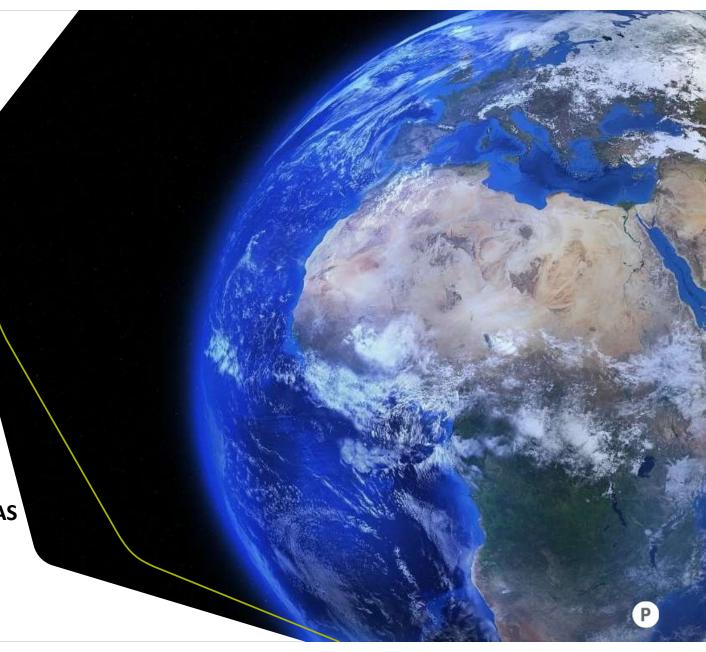
HIGHLIGHTS OF
PETROBRAS
2021-2025
STRATEGIC PLAN
by

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Chief Institutional Relations & Sustainability Officer

FINLAND DELEGATION VISIT TO PETROBRAS

& Ambassador Jouko Leinonen 30 September 2021



Disclaimer

The presentation may contain forward-looking statements about future events that are not based on historical facts and are not assurances of future results. Such forwardlooking statements merely reflect the Company's current views and estimates of future economic circumstances, industry conditions, company performance and financial results. Such terms as "anticipate", "believe", "expect", "forecast", "intend", "plan", "project", "seek", "should", along with similar or analogous expressions, are used to identify such forward-looking statements. Readers are cautioned that these statements are only projections and may differ materially from actual future results or events. Readers are referred to the documents filed by the Company with the SEC, specifically the Company's most recent Annual Report on Form 20-F, which identify important risk factors that could cause actual results to differ from those contained in the forward-looking statements, including, among other things, risks relating to general economic and business conditions, including crude oil and other commodity prices, refining margins and prevailing exchange rates, uncertainties inherent in making estimates of our oil and gas reserves including recently discovered oil and gas reserves, international and Brazilian political,

economic and social developments, receipt of governmental approvals and licenses and our ability to obtain financing.

We undertake no obligation to publicly update or revise any forward-looking statements, whether as a result of new information or future events or for any other reason. Figures for 2021 on are estimates or targets.

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In addition, this presentation also contains certain financial measures that are not recognized under Brazilian GAAP or IFRS. These measures do not have standardized meanings and may not be comparable to similarly-titled measures provided by other companies. We are providing these measures because we use them as a measure of company performance; they should not be considered in isolation or as a substitute for other financial measures that have been disclosed in accordance with Brazilian GAAP or IFRS.

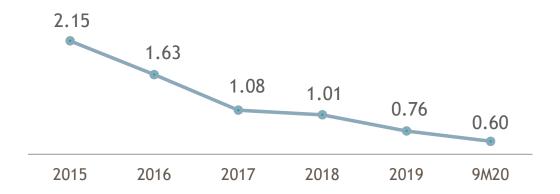
Non-sec compliant oil and gas reserves: cautionary statement for us investors

We present certain data in this presentation, such as oil and gas resources, that we are not permitted to present in documents filed with the United States Securities and Exchange Commission (SEC) under new Subpart 1200 to Regulation S-K because such terms do not qualify as proved, probable or possible reserves under Rule 4-10(a) of Regulation S-X

Safety as priority



TRITotal recordable injuries per million man-hours



Ambition of zero fatalities

- >> Top metric is TRI <1.0
- Continuous reduction of TRI, with a level significantly below our peer group benchmark



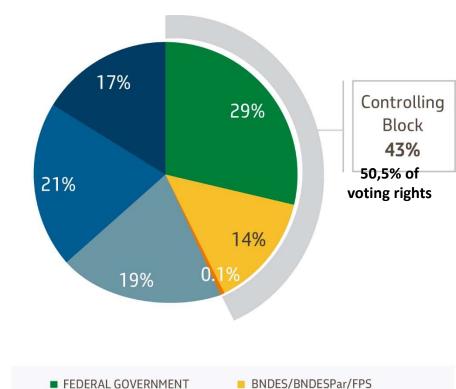
WHO WE ARE



BRAZILIANS IN B3

■ NEW YORK STOCK EXCHANGE

- ➤ 46,000 employees
- World leader in deepwater exploration and production
- Largest publicly traded company in Latin America
- One of the biggest Latin American company(market value)
- Approximately 700,000 shareholders
- > Fleet of 130 ships
- Daily oil production: 2,8 boe
- Proved oil reserves: 9,59 billions of barrels (boe)



CAIXA ECONÔMICA FEDERAL

■ FOREIGNERS IN B3

Key messages





Safety as a priority



Active portfolio management



Debt reduction and capital discipline



Digital transformation

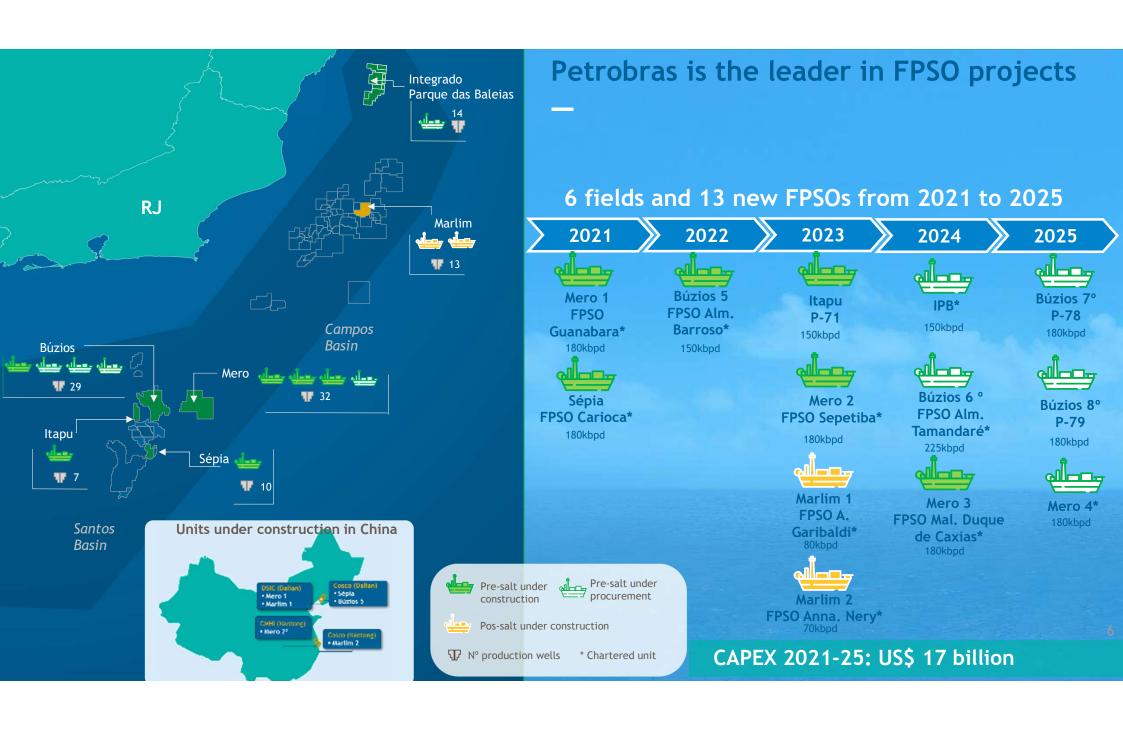


Resilience to low oil prices

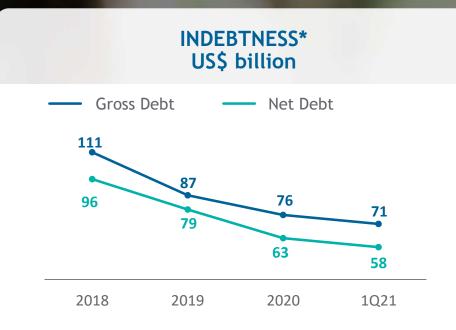


Transition to low-carbon economy





We continue to reduce indebtedness



In April, additional reduction of US\$ 3.2 billion in gross debt



- » Average debt maturity of 11.84 years
- » Average financing rate of 6.0% p.y

^{*} As of 2018, amounts include leases







Carbon in our Strategy



Transparency: carbon quantified in the critical processes



Resilience of position in fóssil in view of low carbono transition



Strengthening of skills to create value in low carbon

Double resilience

Economic

Low breakeven (<US\$ 3,5/bbl)



Environmental Low carbon

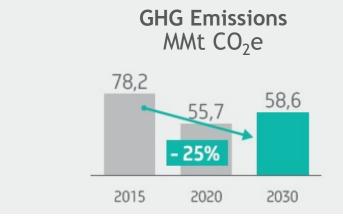


Carbon performance is an imperative

In a global context that requires a large reduction in greenhouse gas emissions, it is important to prioritize oil and gas that are produced more efficiently, at low cost and with low carbon emissions.

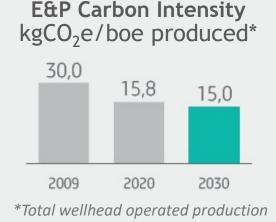
WE HAVE REDUCED **GREENHOUSE GAS EMISSIONS**

In 2020, we operated with greenhouse gas emissions below the level of a decade ago, with a total emitted 5% lower than in 2019, consolidating the profile of the decline in our absolute operational emissions for the past few years. We established a target to reduce 25% of our greenhouse gas emissions from our operations by 2030 compared to 2015.



WE ARE ONE OF THE COMPANIES WITH THE BEST CARBON EFFICIENCY IN OIL **EXPLORATION AND PROCTION**

From 2009 to 2020, we reduced our carbon intensity in the E&P segment by 47%. This means that for every barrel of oil and gas we produce, we emit 47% less greenhouse gases into the atmosphere.



Our ten sustainability commitments





- 1. Zero growth in absolute operating emissions until 2025¹
- 2. Zero routine flaring by 2030
- 3. 40MM tonCO2 reinjection by 2025 in CCUS projects
- 4. 32% reduction in carbon intensity in the upstream segment by 2025
- 5. 30%-50% reduction in methane emission intensity in the upstream segment by 2025

- 6. 16% reduction in carbon intensity in the refining segment by 2025
- 7. 30% reduction in freshwater capture in our operations with focus on increasing reuse by 2025
- Zero increase in residues generation by 2025
- 100% of Petrobras facilities with a biodiversity action plan by 2025
- 10. Investments in environmental and social projects

Slide 12

MRdB1

Mariana Rits de Barros; 06/11/2019

Transition to a low carbon future

PETROBRAS

DAY 20
19

Petrobras production is the second lowest in carbon intensity in the industry

Actions to decarbonization



- Closed flare deployment
- CO₂ capture and storage
- Leakage and repair monitoring
- Vapor tank recovery
- Energy efficiency

CAPEX for decarbonization
US\$ 100 million/year

R&D for decarbonization and renewables



- CO₂ capture and storage
- CO₂ subsea separation
- Supercritical CO₂ turbine
- Renewable diesel and bio-jet fuel
- Offshore wind and solar
- OGCI: partnership initiatives

R&D CAPEX
US\$ 70 million/year

Opportunities in renewable diesel, BioJET and low sulphur bunker





Renewable diesel and BioJET fuel

Opportunity for co-processing of vegetable oils

- Attractiveness in a scenario of competition with biodiesel
- Technologies that add value to refining assets and enable routes for the transition to a low carbon economy
- Subject to regulatory approval



IMO 2020

Opportunities in Asian, European and US markets

- Pre-salt oil has low sulphur content
- Refining system producing bunker to meet IMO specs

Bunker 0.5%

- 2020 potential gain (vs. 2018): ~ US\$ 1 billion
- 85% of Petrobras fuel oil production is suitable to produce bunker 0.5%

Crude Oil

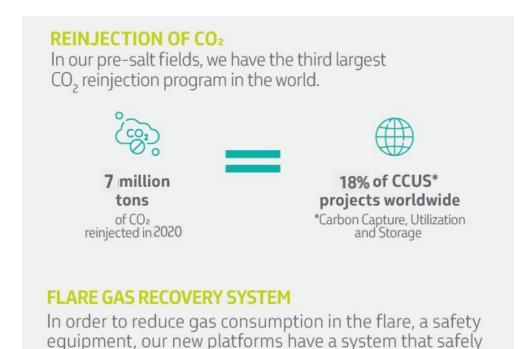
- 2020 potential gains (vc. 2018): + US\$ 540 million
- Estimated oil exports for next 12 months: 590 kbpd

PÚBLICA



Innovation for efficiency in GHG emissions

New concepts and technologies aiming emissions reduction



recovers this gas when flows are small, minimizing

greenhouse gas emissions.

ALL ELECTRIC - FULLY ELECTRIFIED PLATFORM

In this option, the use of electricity in platform equipments is maximized, with a more efficient arrangement and with greenhouse gas emissions up to 20% lower. We are negotiating the use of this concept with regulatory agencies.

HISEP®

With this technology, patented by Petrobras, and in testing phase, the gas leaving the reservoir is already separated and reinjected, from a system located at the bottom of the sea. With this arrangement, oil production from the field is increased and it is possible to achieve lower greenhouse gas emissions for each barrel of oil produced.

DIGITAL TRANSFORMATION

We have developed a pilot panel so that each of our operators and managers can evaluate emissions in real time. In test on Santos Basin platforms.



Beyond Operations

Wide R&D to build on world class opportunities on the low carbon transition. Leverage sinergies with capabilities and infrastructuture.

Advanced renewable fuels

We will produce a new generation of fuels, more modern, sustainable and with higher quality



RENEWABLE DIESEL

- · It is an advanced biodiesel that reduces by 70% greenhouse gas emissions from its production and use when compared to conventional fossil diesel. This performance is also 15% better than the biodiesel currently sold in Brazil.
- Test phases were successfully concluded and its production on an industrial scale and commercialization as biodiesel are in process of authorization by the ANP.



AVIATION BIOKEROSENE (BIOQAV)

- · Lower greenhouse gas emissions compared to other aviation fuels.
- · May be used to meet International Civil Aviation Organization emission reduction targets.

Forest and climate

Voluntary support

Besides investing in emissions reduction of our operations, we voluntarily support 15 projects that recover and conserve natural areas in the Amazon, Atlantic Forest, Cerrado and Caatinga, with the following main accumulated results:













850 thousand tons of CO₂ — estimated potential contribution in carbon fixation and avoided

emissions

100 thousand hectares recovered or conserved by direct actions of the projects 35 million hectares 1.5 million of Protected of seedlings Areas with strengthened management (Indigenous Lands and Conservation Units) and sustainable handling

9,700
people
directly
benefited
until the
conclusion of
the projects

About 100 partnerships planned, including Universities and Research Institutes



Divestments with solid governance approved by regulatory bodies and agreements encouraging the entry of new investors

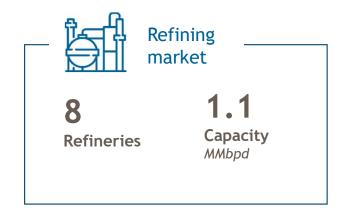
Teaser

Nonbinding phase

Binding phase

Signing

Closing





- NTS 10%;
- TAG 10%;
- TBG 51%
- Gaspetro 51%

Divestments continue moving forward



- Approximately 70% of our E&P concessions in Brazil, in mature oilfields, onshore and shallow waters, are planned to be divested
- Already announced divestments: http://www.petrobras.com.br/ir



Several opportunities in Brazil's Upstream, attracting investors specialized in onshore, shallow waters and mature fields

67 ONSHORE FIELDS

- AM: Urucu Cluster
- BA: Miranga, Recôncavo and Rio Ventura Clusters
- CE: Fazenda Belém Cluster
- ES: Cricaré Cluster

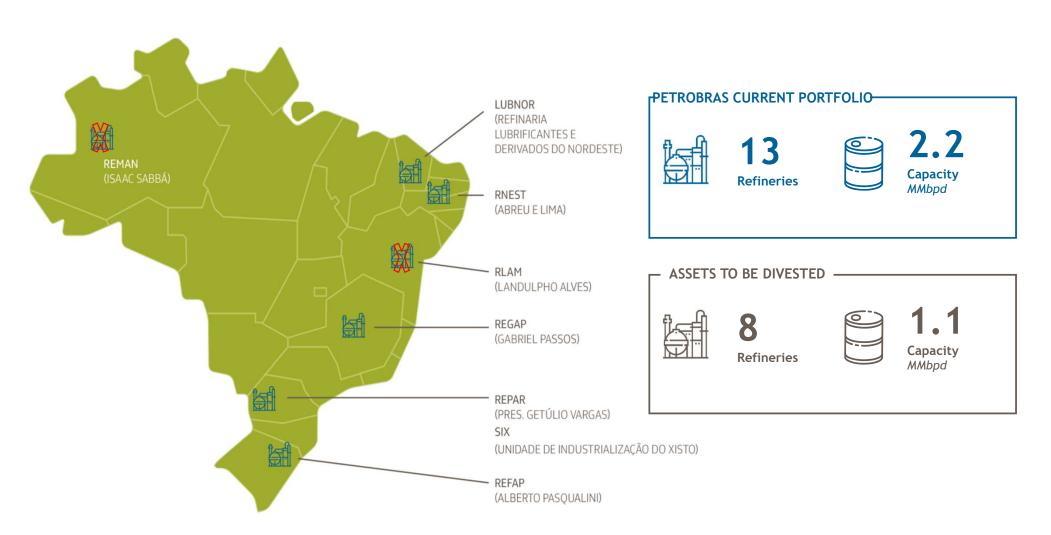
19 SHALLOW WATER FIELDS

- SP: Merluza Cluster
 BA: Manati Field
- RJ: Garoupa Cluster CE: Ceará Cluster
- ES: Peroá Cluster

8 DEEP WATER FIELDS

- SE: Sergipe Cluster
- ES: Golfinho and Camarupim Clusters
- RJ: Papa-Terra Field

And a major divestment in refining, bringing competitive dynamics to Brazilian market



Adding competition to downstream

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Divestments of 8 refineries

RNEST, RLAM, REPAR and REFAP

REGAP, REMAN, LUBNOR and SIX



Petrobras of the future





EVA management system, Cultural transformation

Low Cost of Capital



Sound balance sheet

Sustainability



High energy low carbon

R&D aimed for the long term

Efficient & Low-cost Refining



• Capacity of 1.1 MMbpd



- Digital twin: higher operational efficiency
- Augmented reality: increased security and efficiency
- Al² applied to asset management
- Digital refinery of the future





• Logistics 4.03LICA

• Strengthen capabilities for

trading of oil, oil products, LPG, natural gas and LNG

Logistics and Marketing

World-class Assets



DT¹

Pre-salt

• Rebuilding exploratory portfolio



- EXP100: Exploratory risk reduction
- Industrial automation: increased
- security and efficiency
- Future opportunities for lower-cost gas

¹ Digital transformation

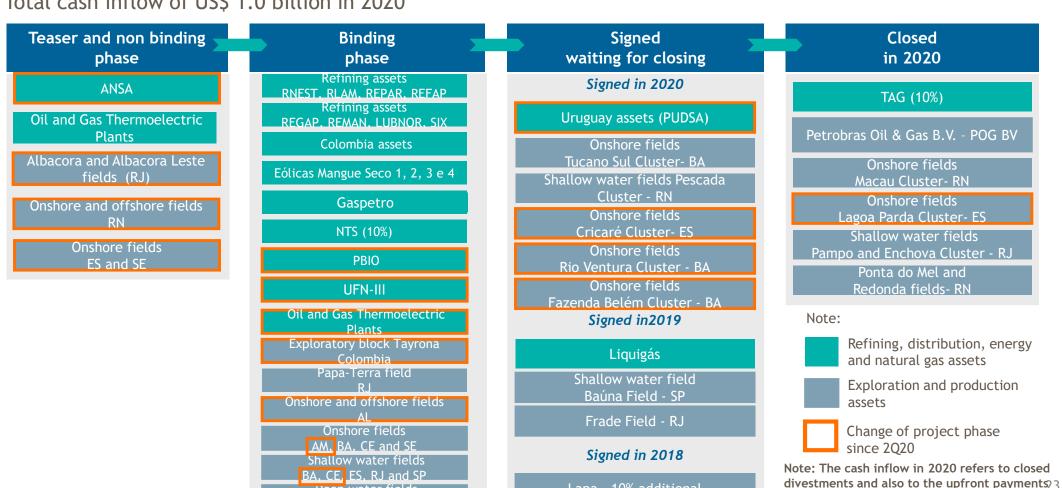
² Artificial Intelligence

Divestments continue moving forward

Deep water fields

ES and SE

Total cash inflow of US\$ 1.0 billion in 2020



ΡÚ

Lapa - 10% additional

received at the time of signing

Portfolio Management

Divestments in 2021 (up to May 11th)



CLOSINGS

- · Frade field
- Mangue Seco Wind Farms 1, 3, 4
- Petrobras Uruguay Distribución (PUDSA)
- BSBios
- 10% of NTS



SIGNINGS

- · Mangue Seco Wind Farm 2
- RLAM Refinery
- · Peroá Cluster
- Miranga Cluster
- UTEs Camaçari Cluster
- · Rabo Branco field

Total transactions value of US\$ 2.5 billion

Cash inflow of US\$ 472 million

Active portfolio management





Waterway Terminals

Southeast: 9 terminals

South: 5 terminals

Northeast: 7 terminals

North: 2 terminals

372

Southeast: 8 terminals
South: 1 terminal

Northeast: 1 terminal



Onshore Terminals

Southeast: 13 terminals

South: 3 terminals

Northeast: 3 terminals

Midwest: 2 terminals

25

Southeast: 13 terminals

Midwest: 2 terminals



Pipelines

Southeast: South:

South.

Northeast:

North: Midwest: 84 pipelines

9 pipelines58 pipelines

18 pipelines

6 pipelines

Southeast:

82 pipelines

Midwest: 6 pipelines



https://www.investidorpetrobras.com.br/en



THANK YOU!!
OBRIGADO!!
KIITOS!

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