

# Contributing to energy transition

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# Who are we?



# Our 5 key-contributions to energy transition in a world 80% dependent on C.O.G

#### 1. Low carbon oil: Brazilian ultra-deep waters

Global Oil Demand - in MM bpd (Sustainable Development Scenario - IEA)



< 10KgCO2eq/boeq</pre>

- < 3% of global demand</p>
- Finance energy transition

#### Energy transition must be responsible

Fonte: IEA 2020

### 2. Supplying natural gas for "dispatchable" energy

#### Share of renewable in power sector mix (%)



LNG cargoes imported by Brazil: 43 (2019); 33 (2020); 119 (2021)

## 3. Bio Fuels



Biofuels: 25% of transport energy consumption in Brazil (5% in the world)

#### 4. R&D to low carbon solutions

HISEP<sup>®</sup>: increasing CCS underwater

*Expected 4% reduction in carbon intensity* 



**OFFSHORE WIND**: evaluation of wind farm in the Campos Basin (Aracatu) joint with *Equinor* 

4 GW capacity under evaluation



#### 5. Local people and forest: 21 big-projects



## Action in 3% of Brazilian territory +17 thousand people Small farmers, traditional communities, students

**167 partnerships** Universities, research institutes, environmental agencies WHY FOREST?

# natural carbon sinks

Absorb 1/5 of emissions from burning fossil fuels Without them, world would be 1°C hotter

Tropical deforestation = emissions from cars and trucks

#### BRAZIL: 20% OF THE GLOBAL POTENTIAL NCS

The top-potential-places: Brazil, Africa, India and Indonesia



Sources: Earthobservatory - Nasa; ; Griscom et al., 2020

HOW ?

#### Scarce market incentives to preserve the forests



#### We start voluntarily "buying" forests: worth more alive

#### PETROBRAS voluntarily investing

- Stakeholders claims: consumers, shareholders, banks and employees
- Climate commitments
- BELIEFS

#### Empowering local people

- Restore/conserve forests
- Sustainable wood harvest
- Sustainable food production
- Eco tourism

## Create value for itself and society

- Air/water qlt.-improvement
- Pests and diseases control
- Natural disaster control
- Climate regulation
- Pending global asset valuation

# THANK YOU

