



AAPG

Latin America & Caribbean Region

BRAZIL 2017

Geosciences Technology Workshop

Co-hosted by



Pré-Sal Petróleo: Its role in one of the most prolific oil and gas provinces of the world

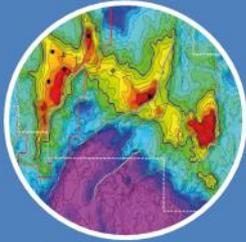
Hercules Tadeu F. da Silva

Pré-Sal Petróleo S.A.

Agenda

- **Role, organization chart, core values and targets**
- **Libra and unitization projects**
- **Oil and gas marketing**
- **Some indicators on pre-salt reservoirs**
- **New PSA bid rounds**
- **Conclusion**

Our Role



Production Sharing
Agreement
Management



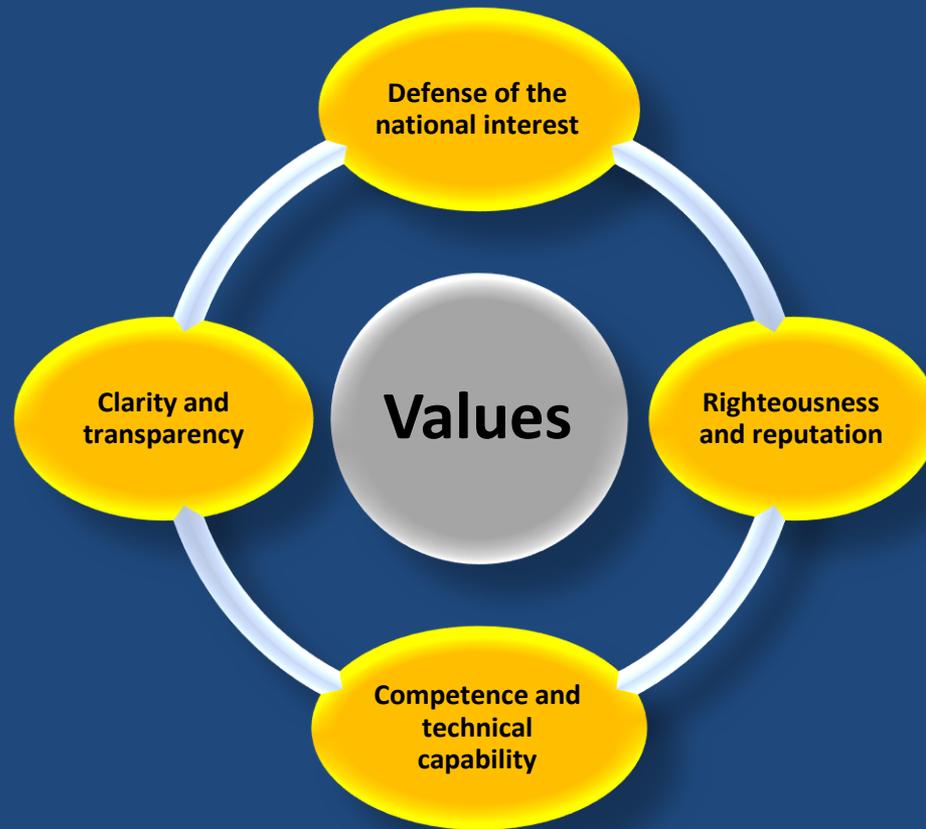
Unitization Projects
Representative



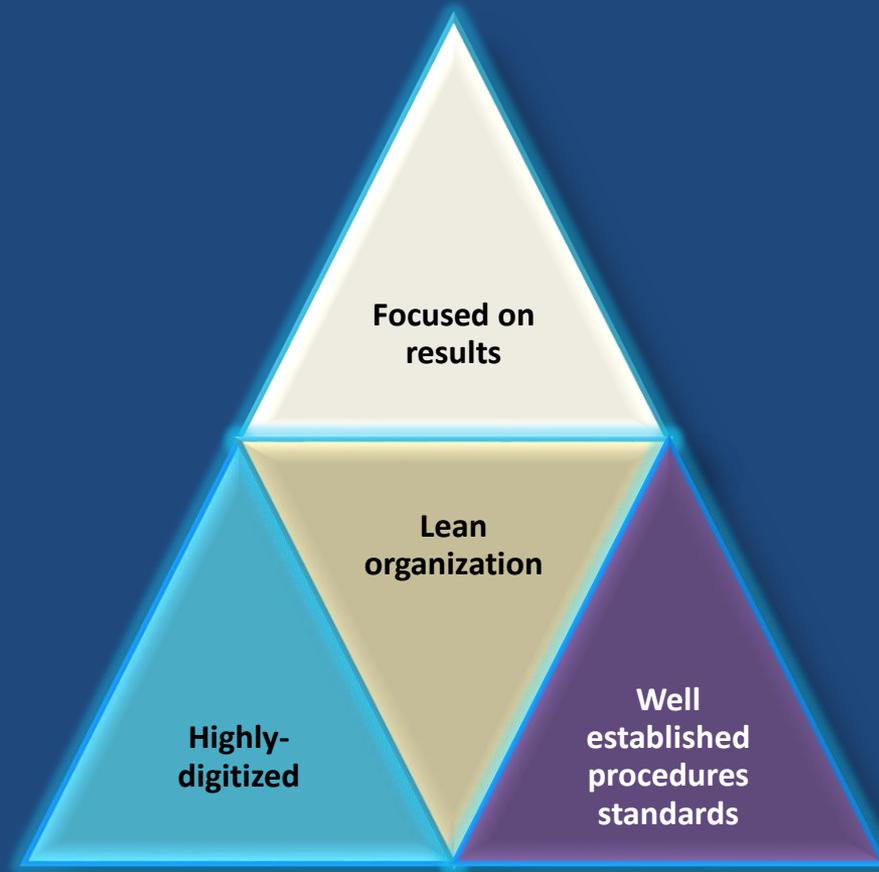
Comercialization of the
oil and gas of the share
of the Brazilian
Government

← Maximize the economic results of the pre-salt activities on behalf of the Brazilian Government →

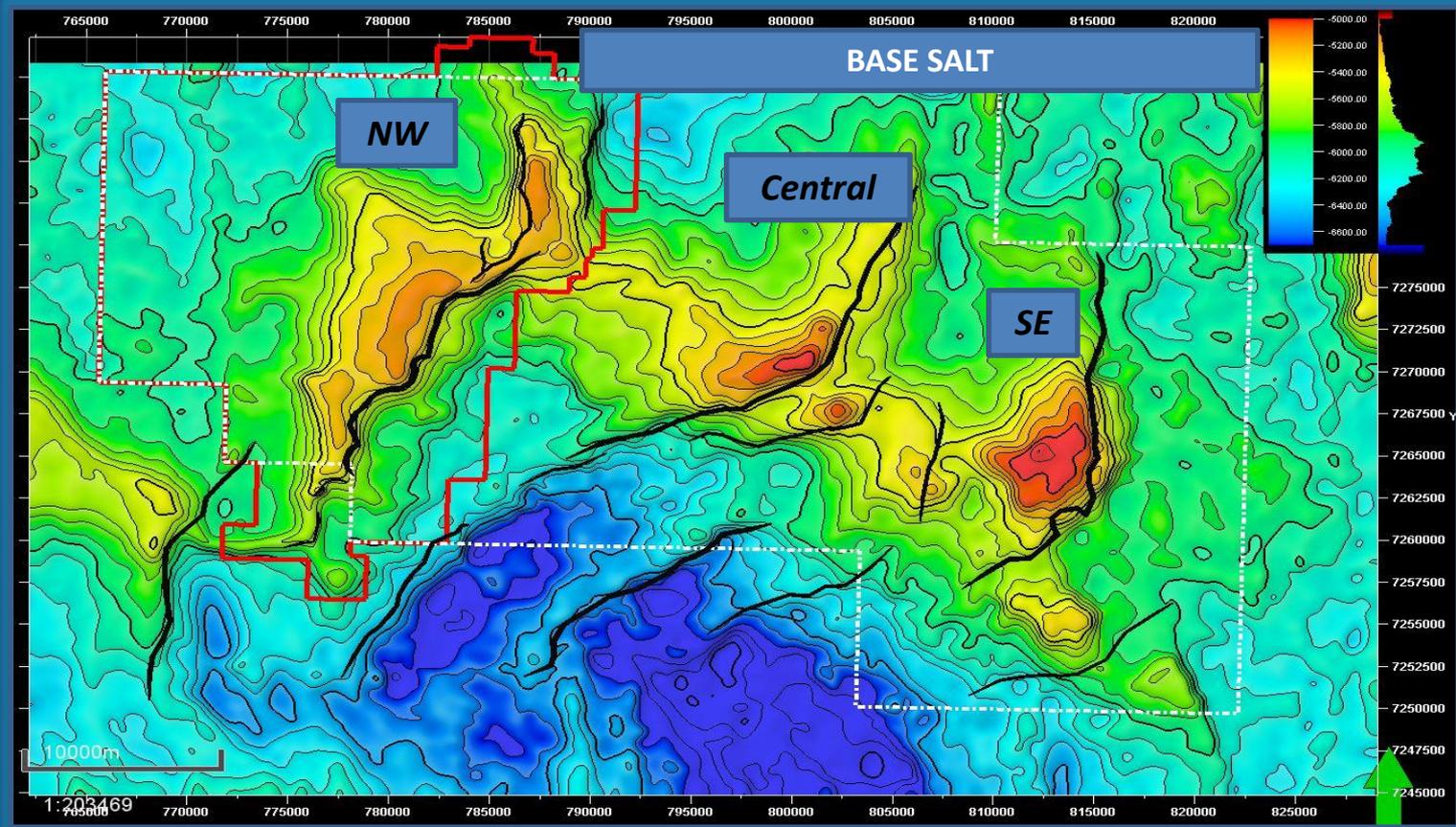
Core Values



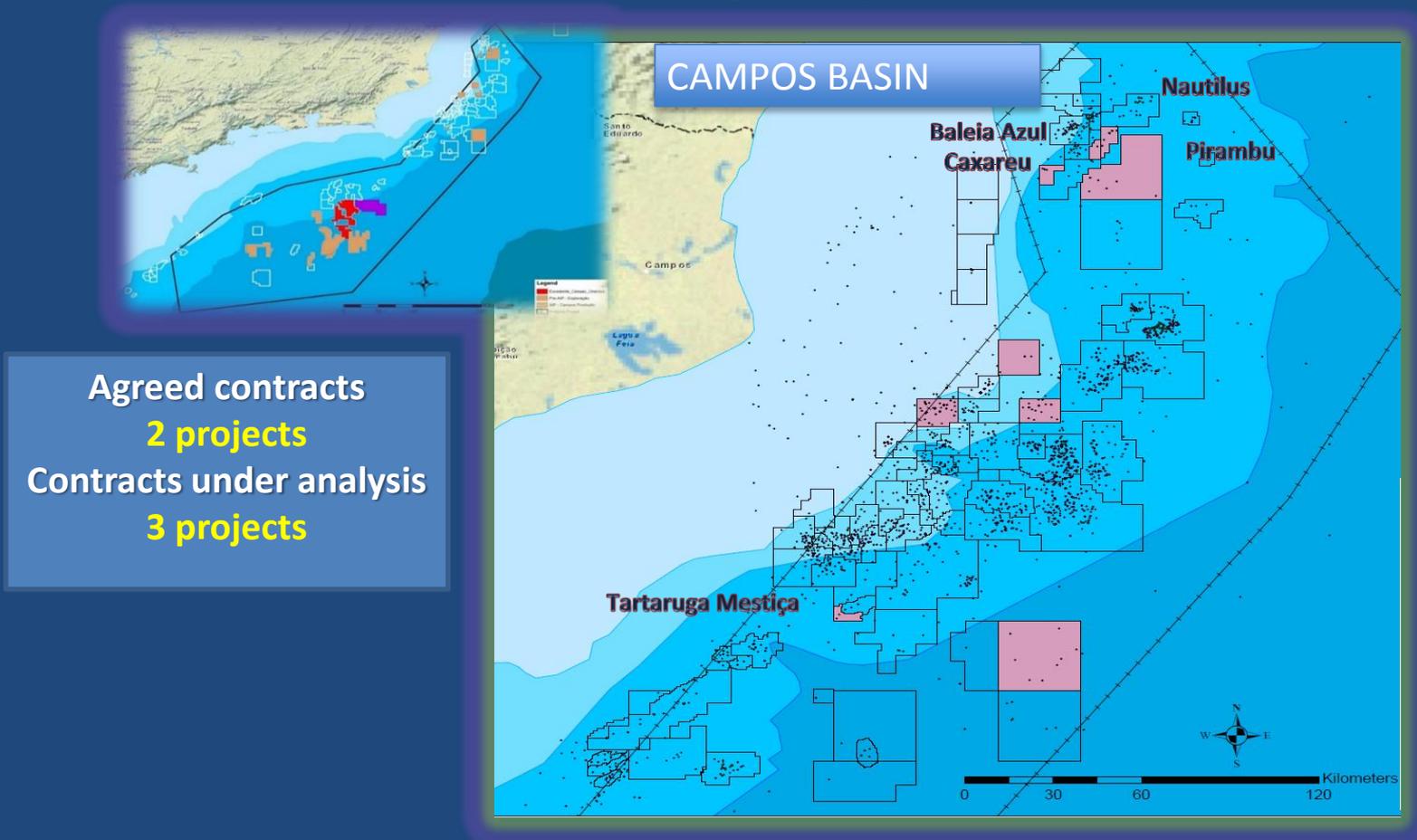
Our Targets



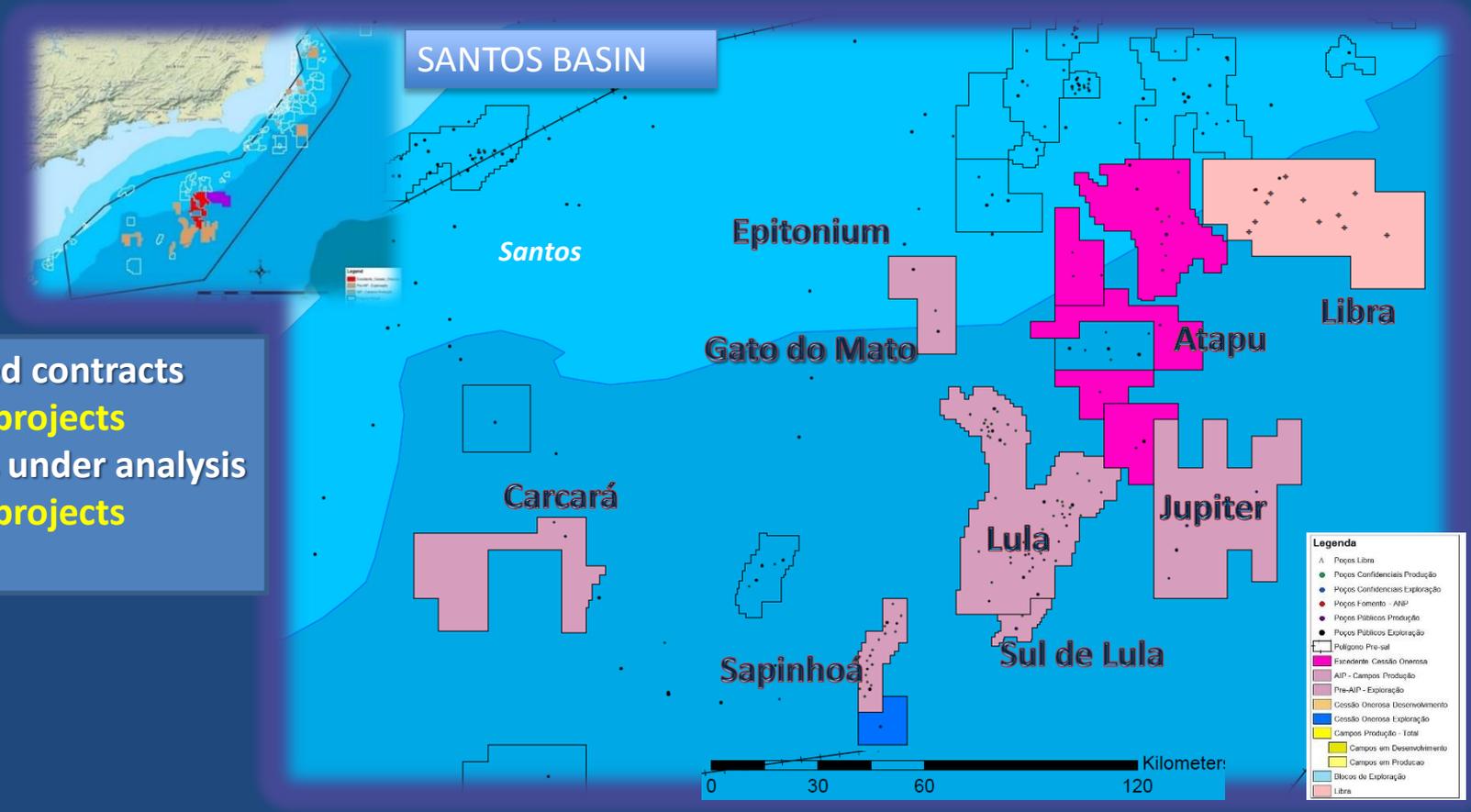
The Libra PSA



Unitization projects



Unitization projects

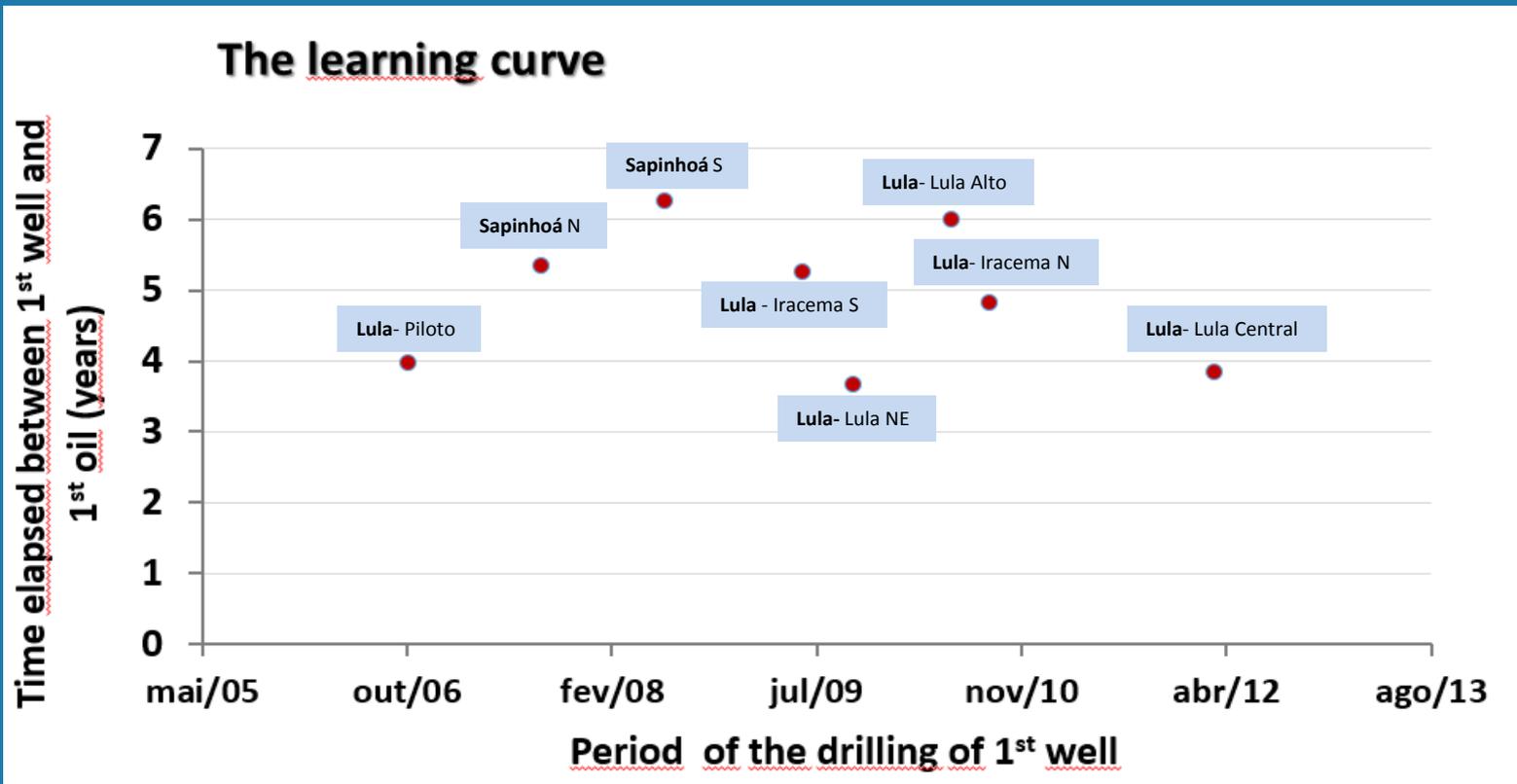


Agreed contracts
2 projects
 Contracts under analysis
6 projects

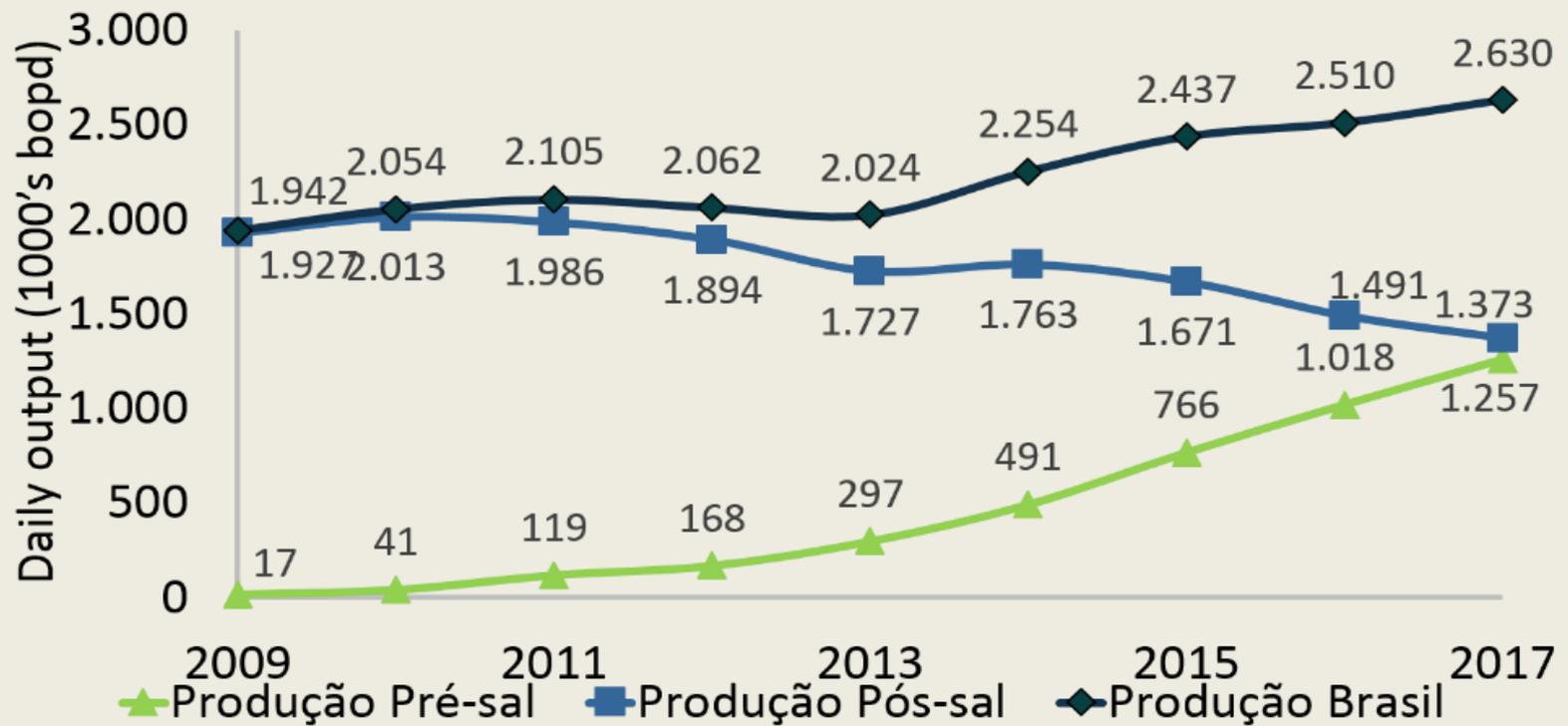
Oil and gas marketing

- **The Brazilian Government: O&G production from PSAs and Unitization projects.**
- **Pré-Sal Petróleo shall not be responsible directly or indirectly for marketing of State's O&G**
- **A trading agent to be hired**
- **Pré-Sal Petróleo will verify the operation's compliance with the State's marketing policy**
- **Pré-Sal Petróleo will monitor and audit marketing operations, costs and prices**
- **Net revenues of the sold O&G will be destined for Health and Education (Social Fund)**

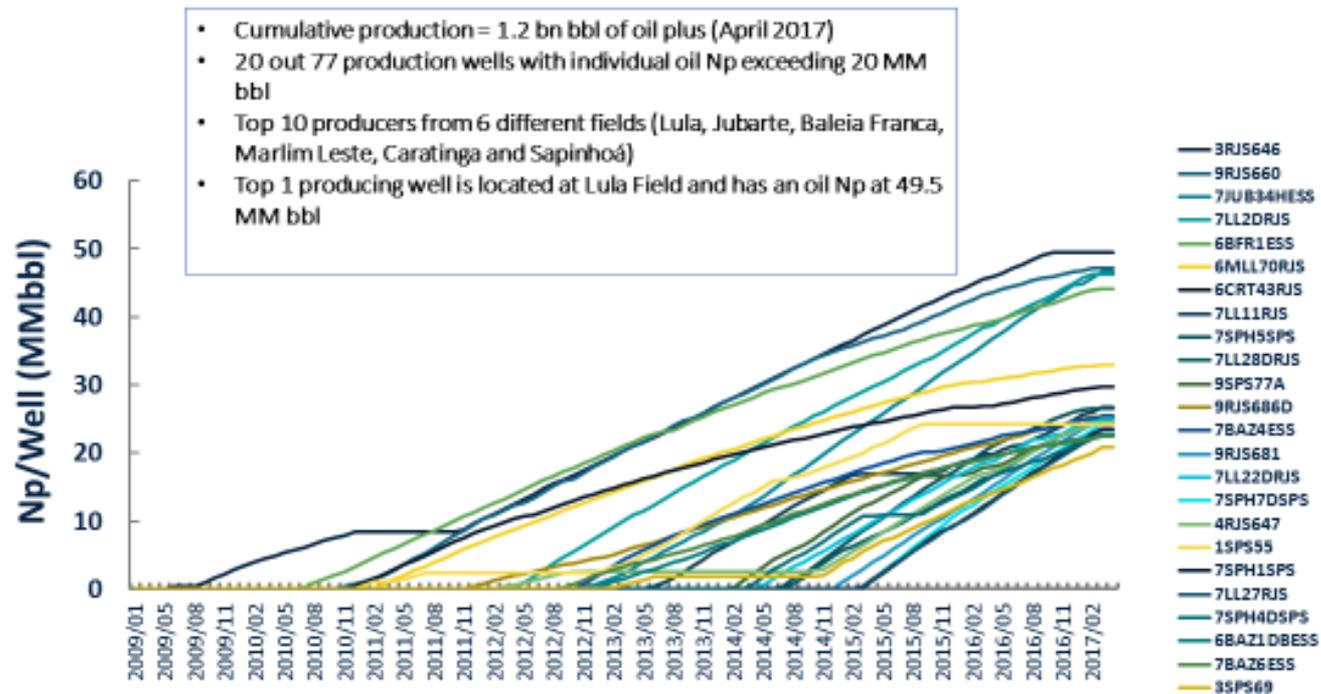
First well x first oil: getting smarter



Pre-salt x post-salt average daily output



Highly productive wells



Source: Pré-Sal Petróleo

A competitor for financial resources?

U.S. Shale Soaring

Crude output from major U.S. shale plays have climbed in nine of the last 10 months.

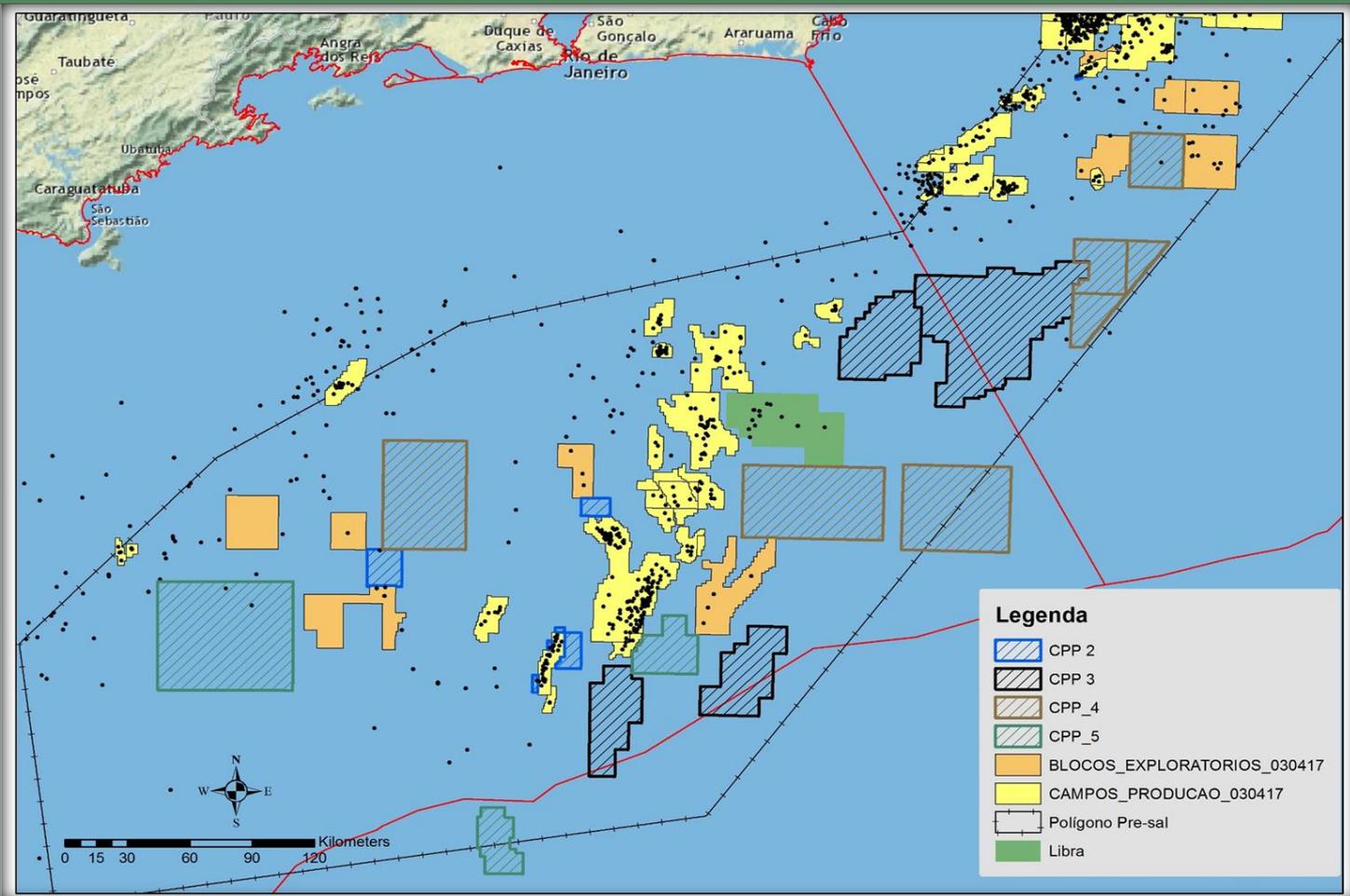
■ Shale-oil output (barrels per day)



Source: U.S. Energy Information Administration

Bloomberg

The Pre-Salt arena: great opportunities

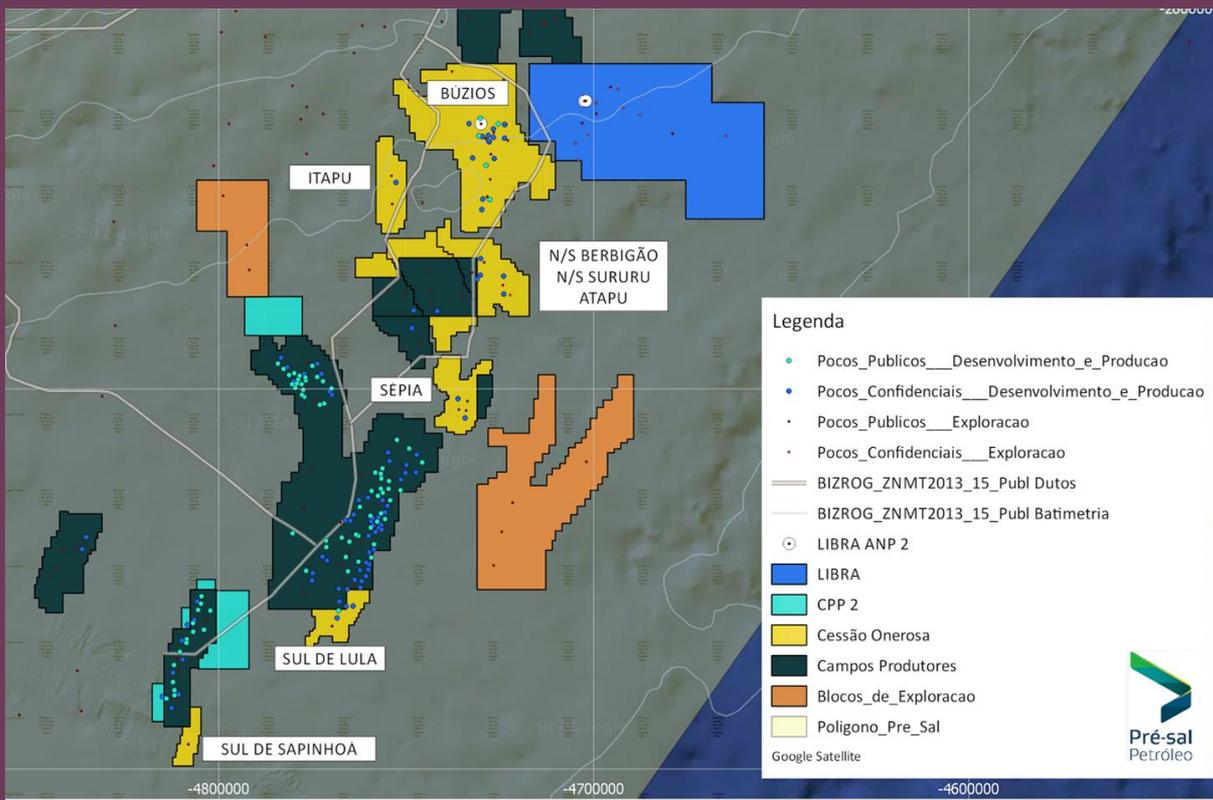


Present and future: a very busy agenda

Areas under analysis and areas to be publicly offered

PSA and Unitization Projects	Potential Unitization Projects plus Transfer of Rights (remainder)	2 nd Bid Round (Oct. 27 th , 2017)	3 rd Bid Round (Oct. 27 th , 2017)	4 th Bid Round (May 2018)	5 th Bid Round (2019)
LIBRA	EPITONIUM	CARCARÁ	ALTO DE CABO FRIO - CENTRAL	UIRAPURU	ARAM
CARCARÁ	ATAPU	SAPINHOÁ	ALTO DE CABO FRIO - OESTE	SATURNO	BUMERANGUE
SAPINHOÁ	BERBIGÃO	TMT	PAU BRASIL	TRÊS MARIAS	S de LULA, JÚPITER and SW-JÚPITER
TMT	SURURU	GATO DO MATO	PEROBA	C-M-537	
LULA	JÚPITER			C-M-655	
BALEIA AZUL	ANU			C-M-657	
PIRAMBÚ	BÚZIOS			C-M-709	
CAXARÉU	SÉPIA				
GATO DO MATO	ITAPU				
NAUTILUS	SAPINHOÁ SUL				

Transfer of rights: future PSA bid rounds?



	CO/ 2010	Estimativa de ECO	
	MM boe	MM boe	ECO/ (ECO+CO)
Itapu (Florim)	467	300-500	39-52%
Búzios (Franco)	3.058	6.500-10.000	68-77%
Sul de Sapinhoá (Sul de Guará)	319		
N/S Berbigão, N/S Sururu e Atapu (Entorno de Iara)	600	2.500-4.000	81-87%
Sul de Lula (Sul de Tupi)	128	352	54-58%
Sépia (Nordeste de Tupi)	428	500-700	67-75%
TOTAL	5000	10.280-15.200	39-87%



Conclusion

- **The Pre-Salt Polygon – one of the most prolific O&G provinces of the planet**
- **Pré-sal Petróleo's three-forked objectives are:**
 - **Management/administration of PSAs**
 - **Represent Government's interests in the unitization projects**
 - **Market the share of the Government's O&G**
- **The company is intended to be lean, digital and with highly skilled people**
- **Pré-Sal Petróleo is carrying out an internal planning in order to accommodate incoming PSAs**
- **Libra, new PSAs, existing (and future) unitization projects plus the transfer of rights (remainder) projects will create the proper conditions for a tremendous increase in the Brazilian oil and gas production along the 2020s.**



Pré-sal
Petróleo

Hercules Tadeu Ferreira da Silva

Diretor de Gestão de Contratos

+55 21 3513-7711

hercules.silva@ppsa.gov.br

Avenida Rio Branco, 01 | 4º Andar

Centro | Rio de Janeiro | RJ

CEP:20090-003

www.presalpetroleo.gov.br