BP Energy Outlook: transition to a lower carbon future

bp

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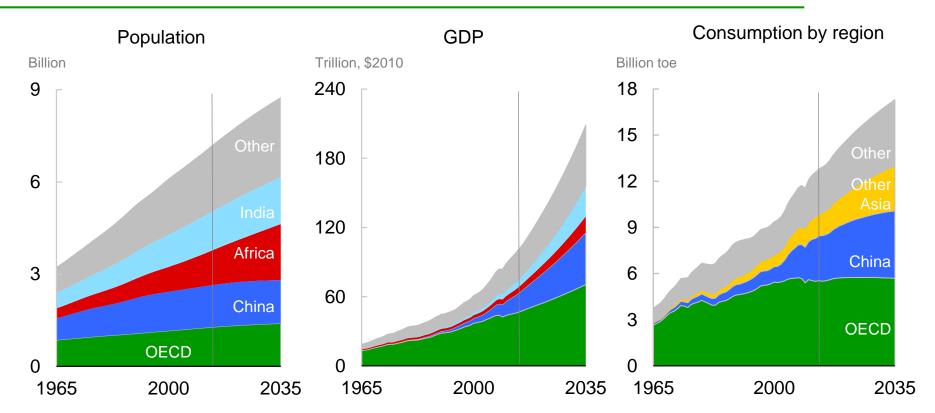
Fórum FGV Energia: Matriz e Segurança Energética

Rio de Janeiro, 1/12/2016



Growing population and GDP drives demand...



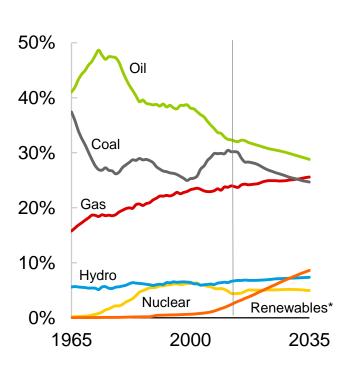


Source: 2016 Energy Outlook

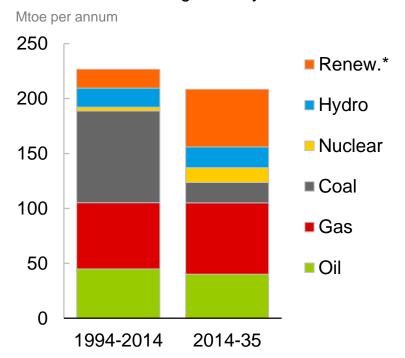
The fuel mix is set to change significantly...



Shares of primary energy



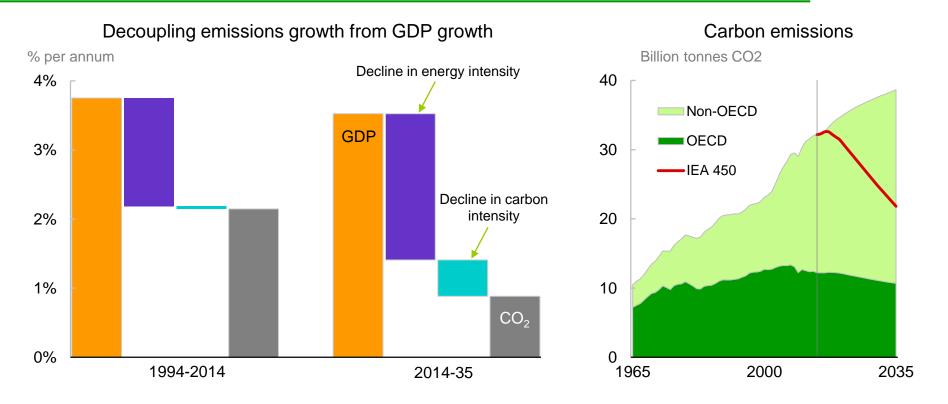
Annual demand growth by fuel



^{*} Includes biofuels

Growth in carbon emissions slows...but not completely

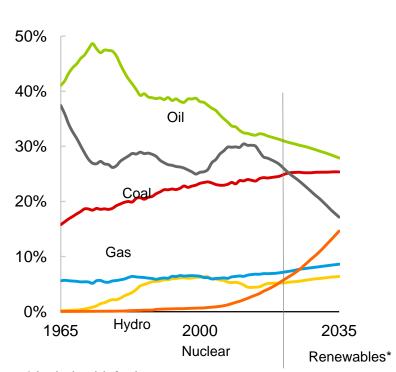




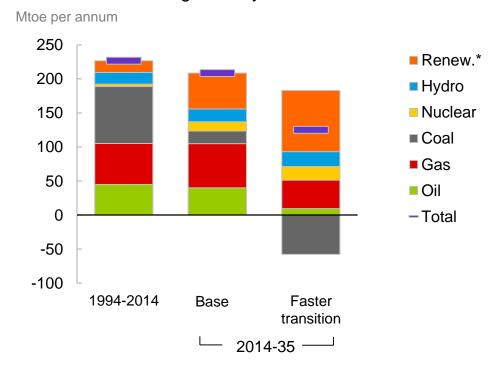
Faster transition to a lower-carbon world...



Shares of Primary Energy



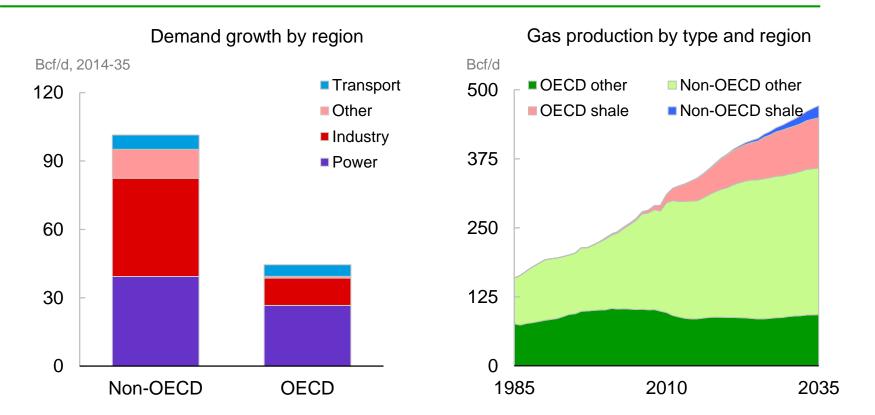
Annual demand growth by fuel



^{*} Includes biofuels

Growing demand for gas....





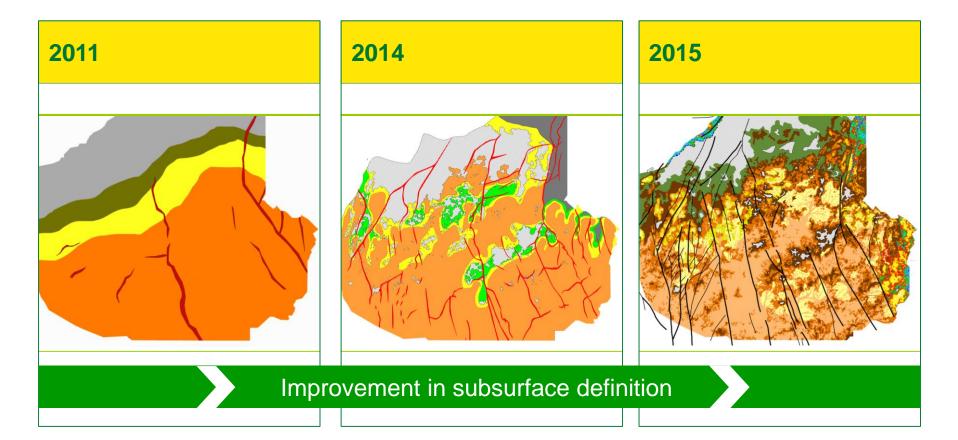
Material plays over the last decade....





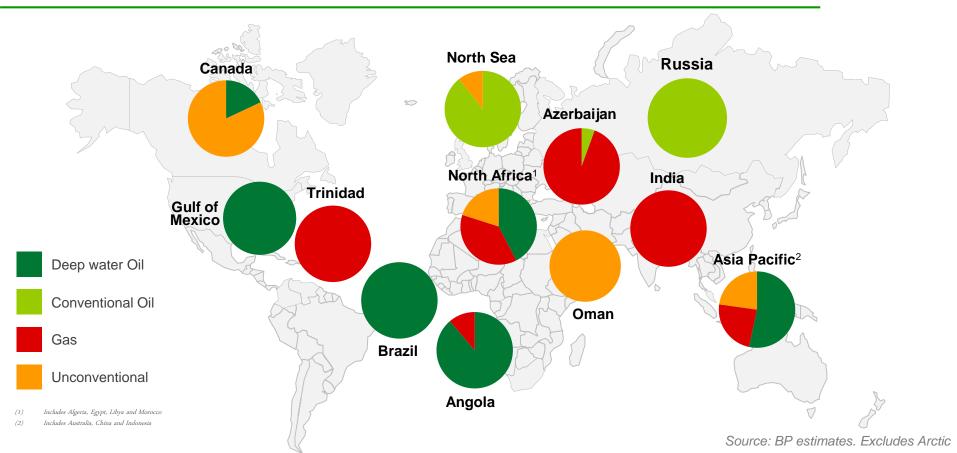
Using technology to unlock new resources...





A diverse exploration portfolio for the future....





... and a variety of businesses in Brasil





Air BP

Airports: Brasília - DF Belo Horizonte - MG (Confins e Pampulha) Cabo Frio - RJ Campinas - SP (Viracopos e C. Amarais) Cuiabá - MT Curitiba - PR Feira de Santana - BA Foz do Iguaçu - PR Goiânia - GO Guarulhos - SP Jundiaí - SP Macaé - RJ Maringá - PR Osasco - SP Recife - PE Ribeirão Preto - SP Rio de Janeiro - RJ (Galeão e Jacarepaguá) São Paulo - SP (C. Marte e Helicidade)

Office:
São Paulo - SP

Valença - BA Vitória - ES

BP Biofuels

Sugarcane mills: Edéia - GO Ituiutaba - MG Itumbiara - GO

Office: São Paulo - SP

BP Energy

- E&P Blocks
- Office:
 Rio de Janeiro RJ

Castrol

- Factory:
 Rio de Janeiro RJ
- Office:
 Barueri SP

IST | BP Marine

- Office:
 Rio de Janeiro RJ
- Bunker terminal:
 Porto do Açu,
 São João da Barra RJ