



2<sup>nd</sup> Colloquium

# THE GEOPOLITICS OF **ENERGY** TRANSITION

■ Athens, 5 March 2019

The role of Oil & Gas in  
enhancing the Energy  
Security in Greece

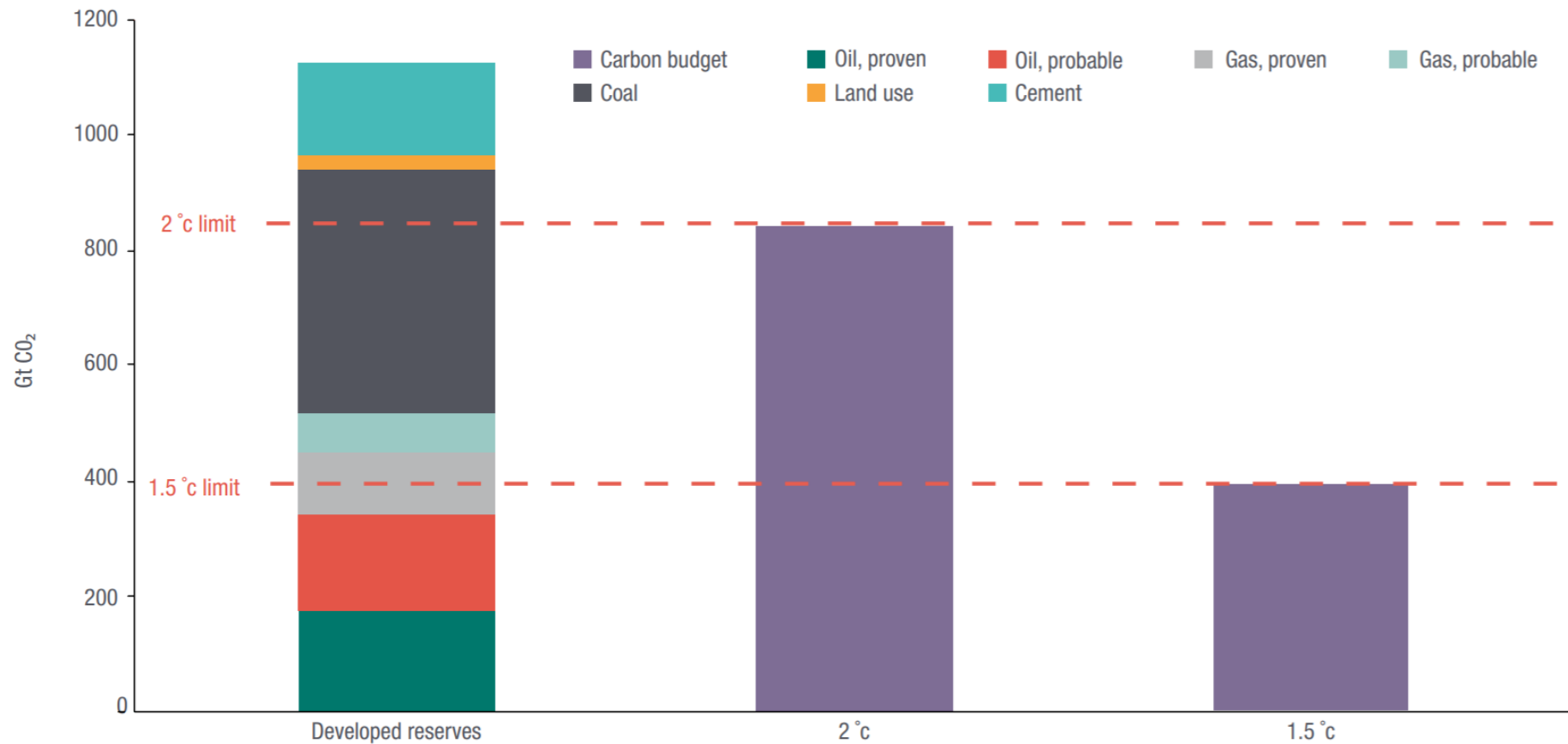
Alexandra Sdoukou  
Energy Advisor to the  
President of Nea  
Dimokratia party

# The transition from fossil fuels to renewable energy



# Study: existing oil & gas fields would exceed the carbon budget for 1.5 C-

**Figure 1: Emissions from developed reserves at global level, compared to carbon budgets**

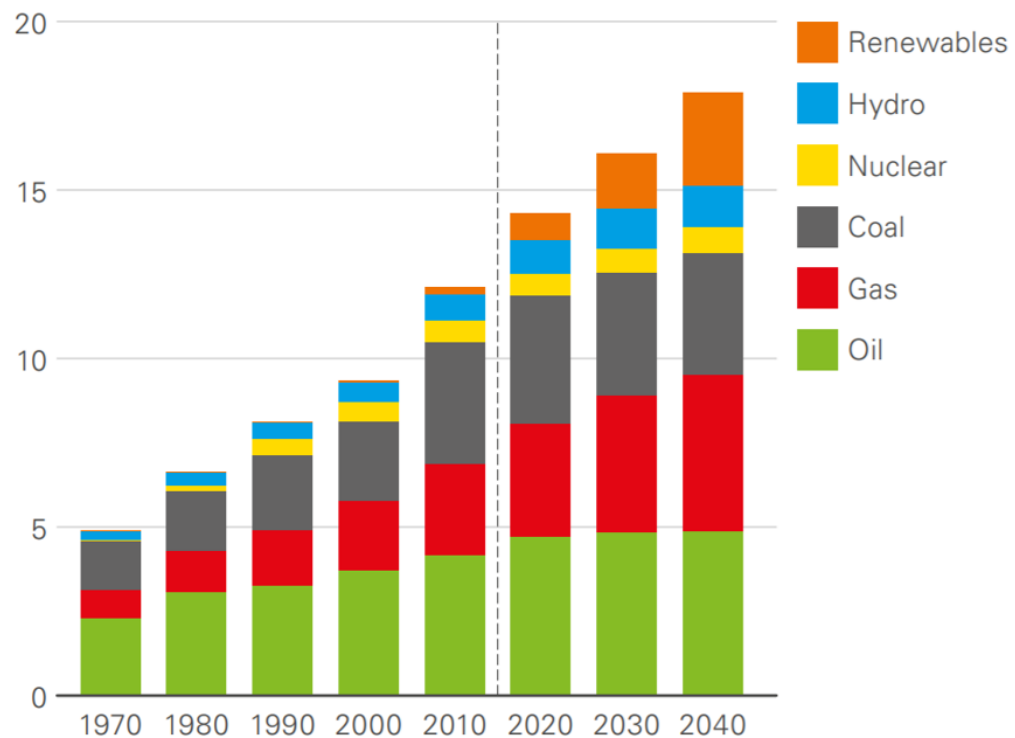


Source: Oil Change International, 2016b

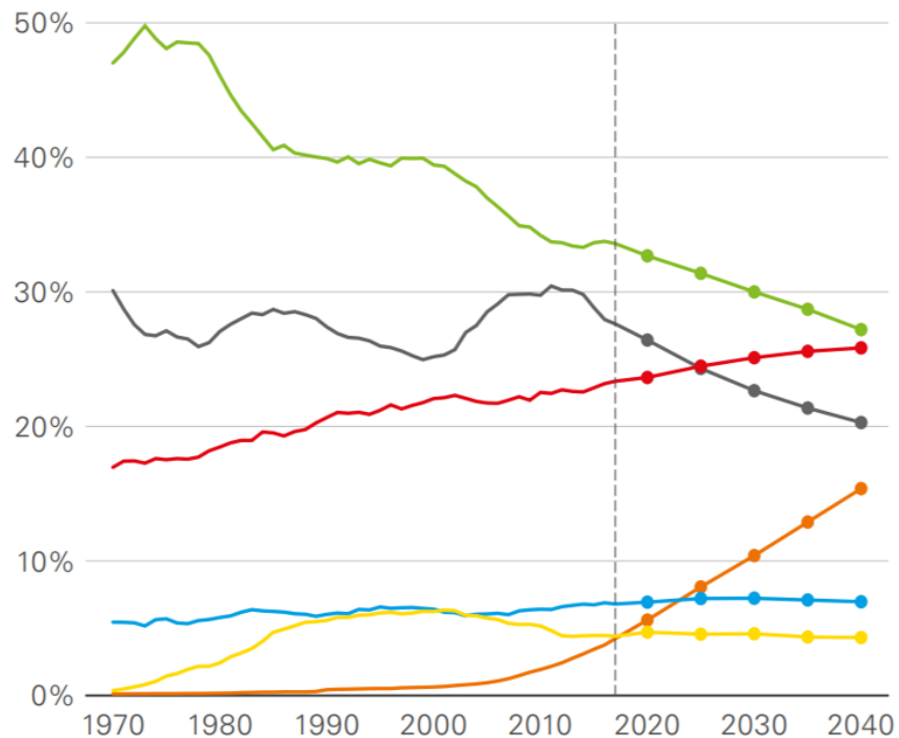
# Natural gas as a “bridging fuel”

## Primary energy consumption by fuel

Billion toe

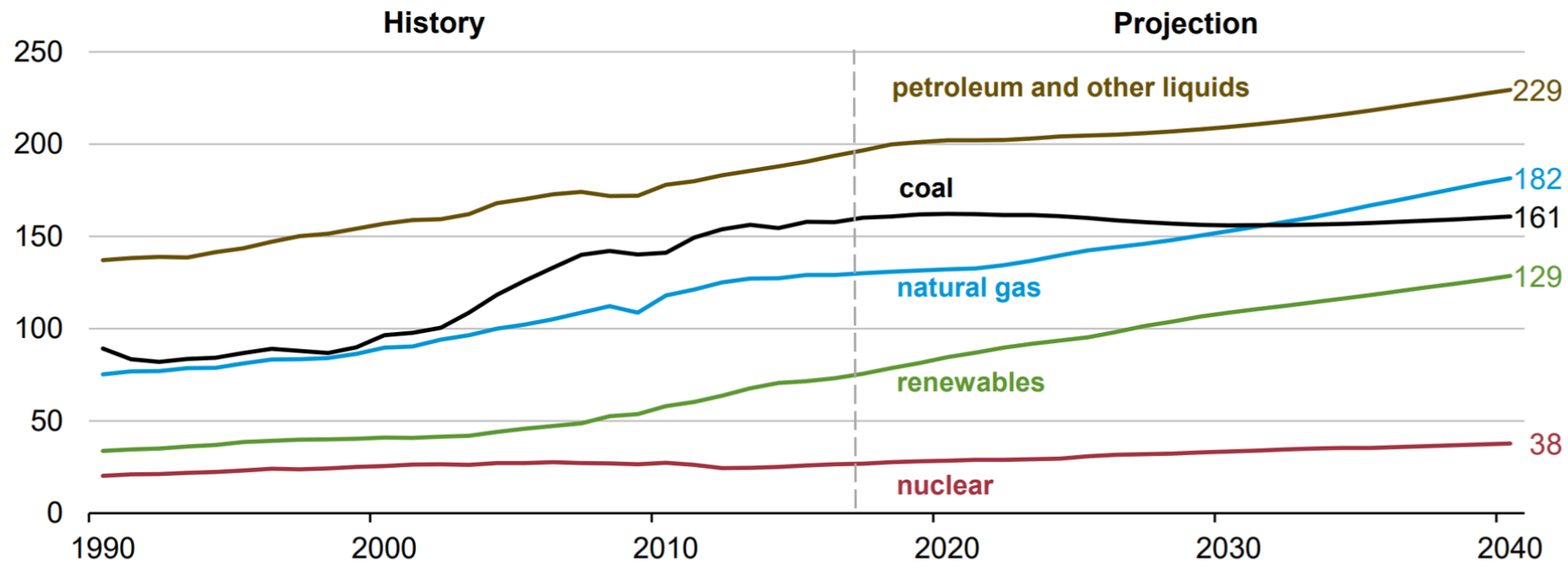


## Shares of primary energy



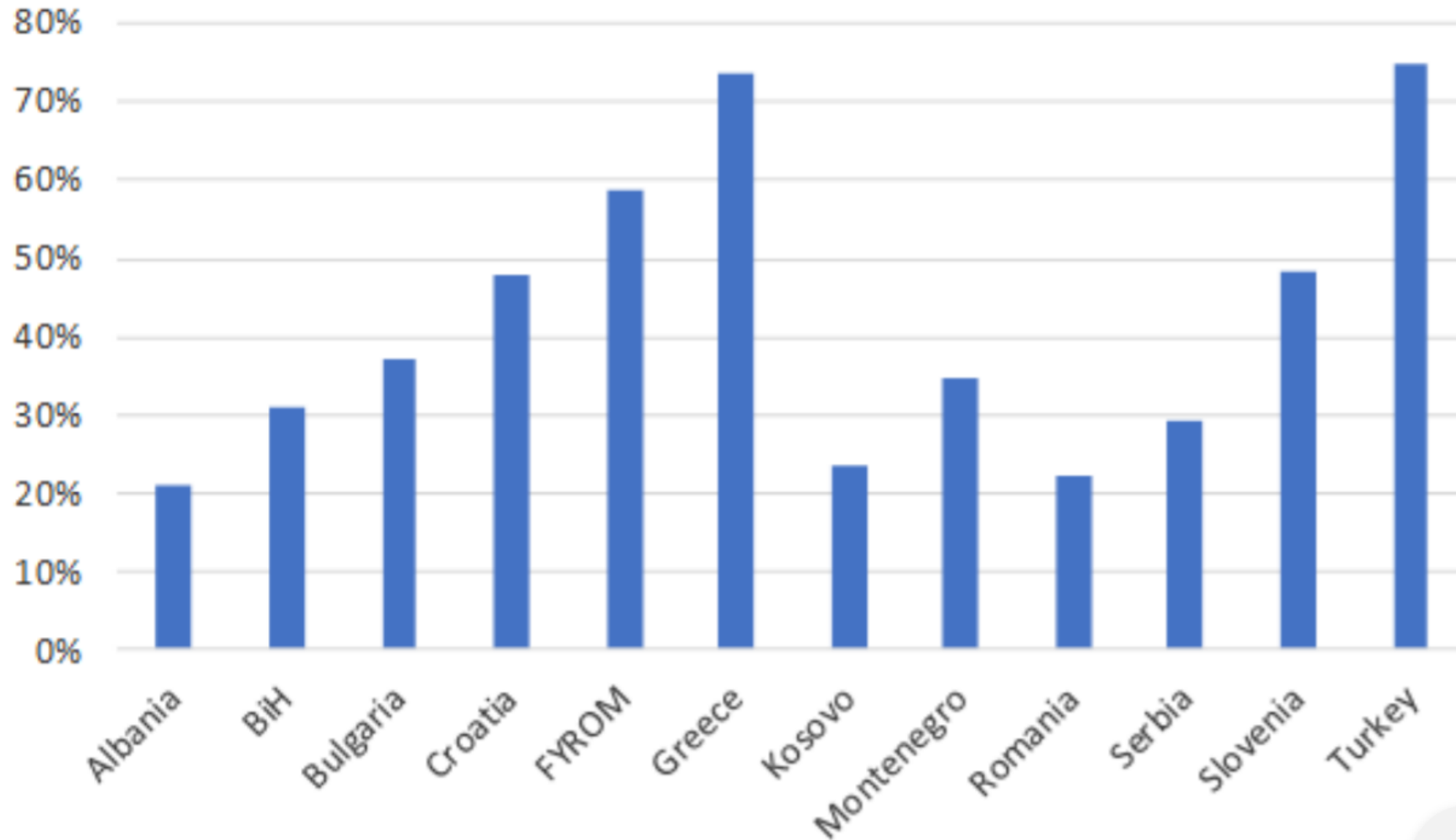
# World energy consumption increases for fuels other than coal

**IEO2018 Reference case**  
**world energy consumption by energy source**  
quadrillion Btu



Source: EIA, International Energy Outlook, 2018

# Energy Import Dependence (%) in SE Europe (2016)



Higher energy import dependence → vulnerability to supply disruptions & energy security concerns

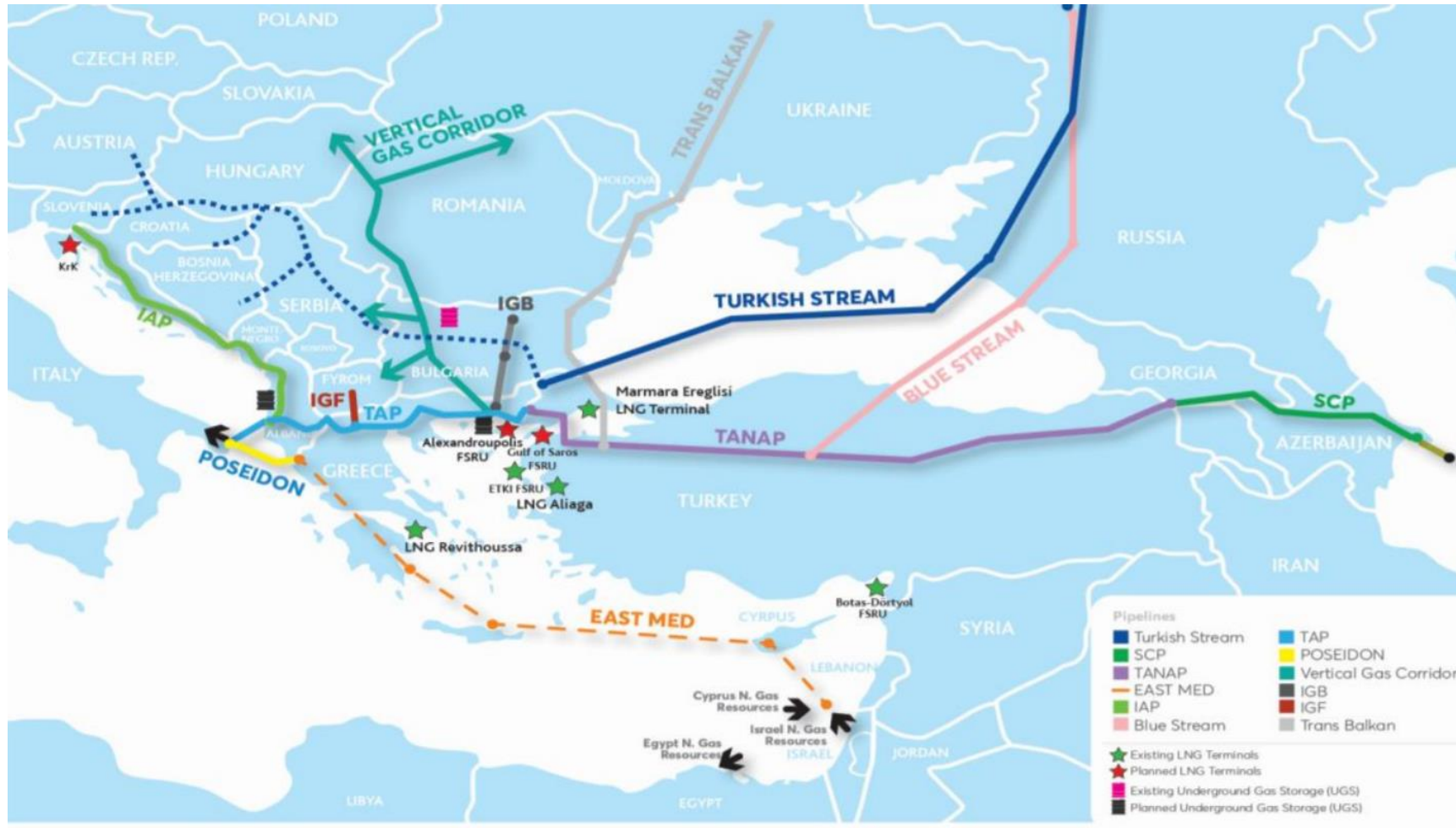
↘ Need for indigenous oil & gas production

## 4 priorities in Greece's energy strategy

1. Ensuring adequacy in energy sources and security of supply through development of infrastructure,
2. Integration of the internal market,
3. Improving energy efficiency – Transition to low carbon economy
4. Development of indigenous resources

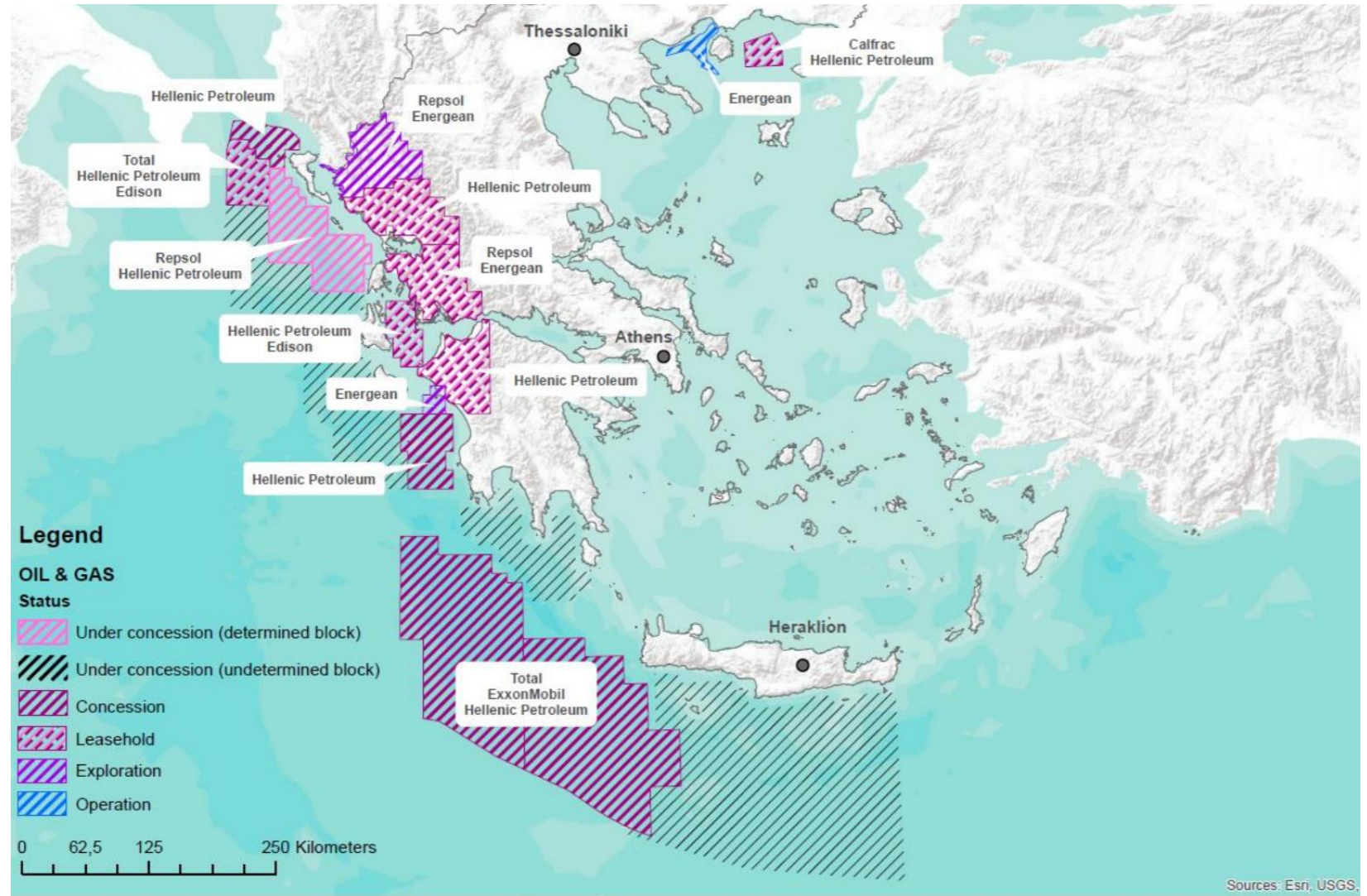
# The Expanded South Gas Corridor

Greece to become **energy transfer hub** for the wider region





# Concession areas currently leased or in operation

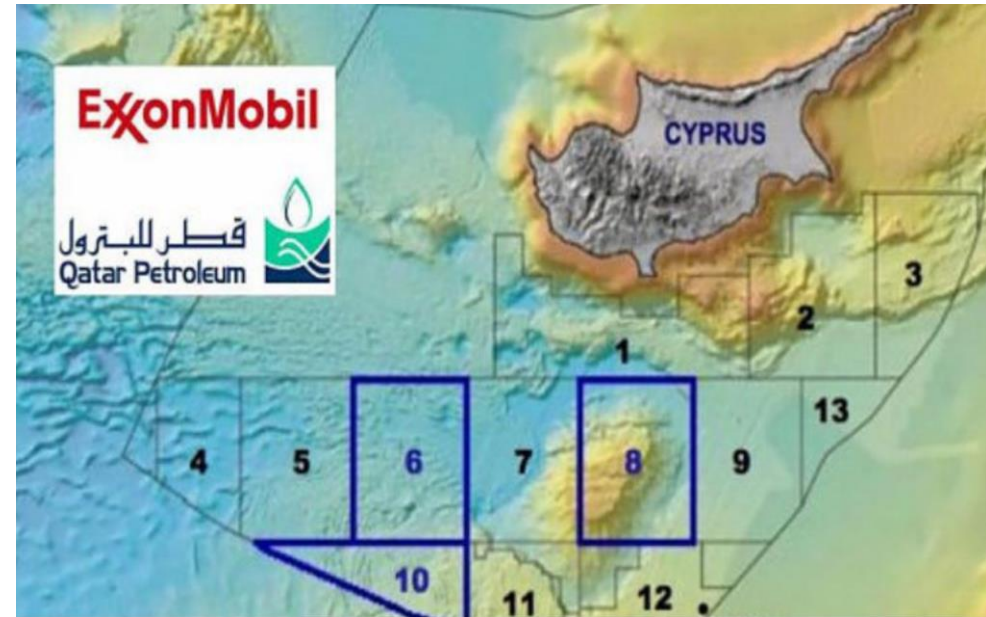


# The example of Cyprus: Speed & effectiveness in the licensing process

2 Blocks in Crete



Block 10

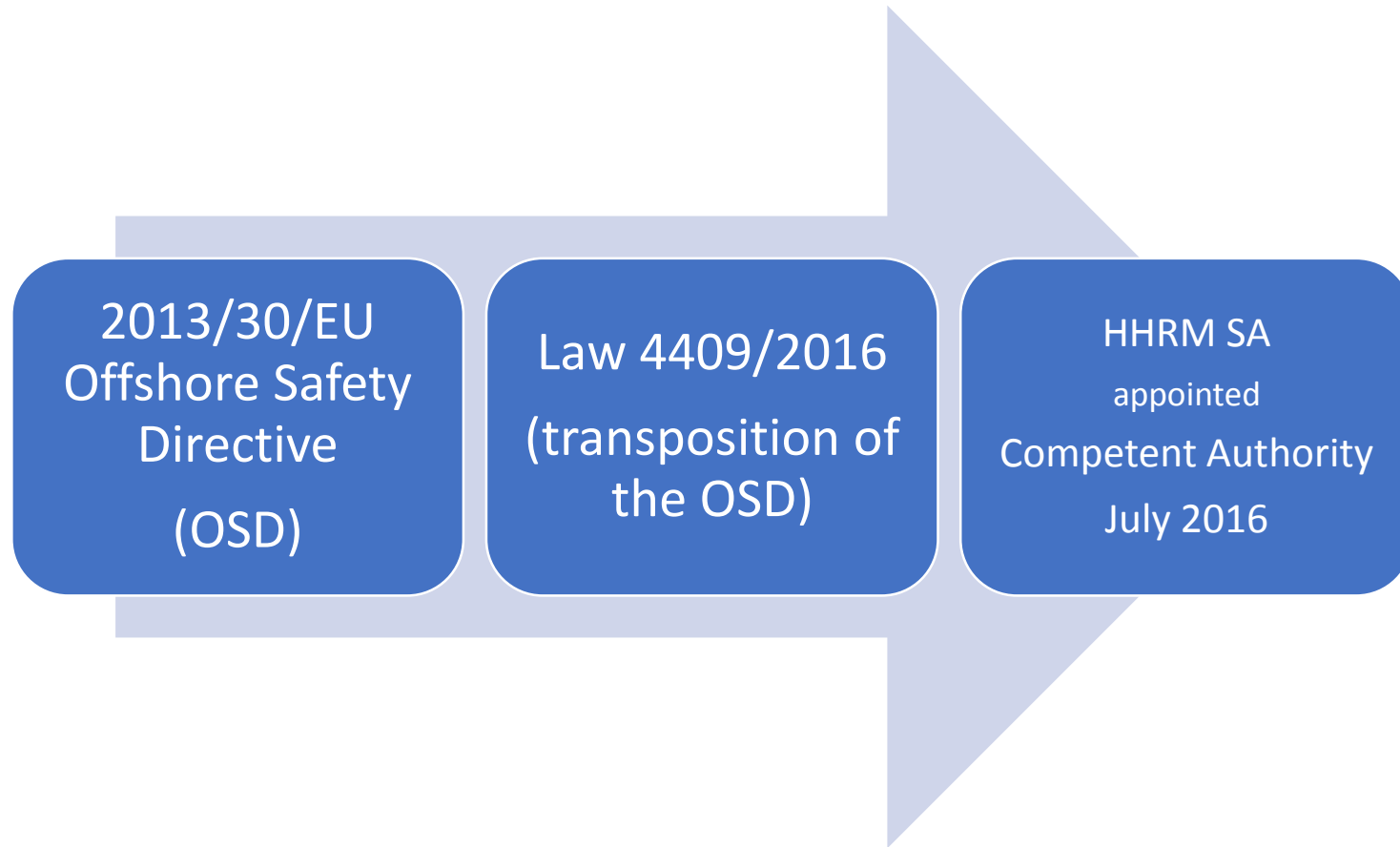


# Local societies...against drilling

- Delay in the execution of the seismic programme of REPSOL in Ioannina Block
- Suspension of seismic survey of HELPE in Arta-Preveza Block until upcoming municipal elections
- Delays for Energean in Katakolon block due to legal problems with forest areas's properties



# Directive 2013/30/EU on offshore safety



# Directive 2013/30/EU – Key provisions

- 7. Liability for environmental damage
- 8. Appointment of competent authority
- 12. Report on major hazards
- 14. Internal emergency response plans
- 17. Independent verification
- 19. Major accident prevention by operators and owners
- 27. Cooperation between member States
- 29. External emergency response plans
- 30. Emergency response
- 31. Transboundary emergency preparedness

# External Emergency Response Plan

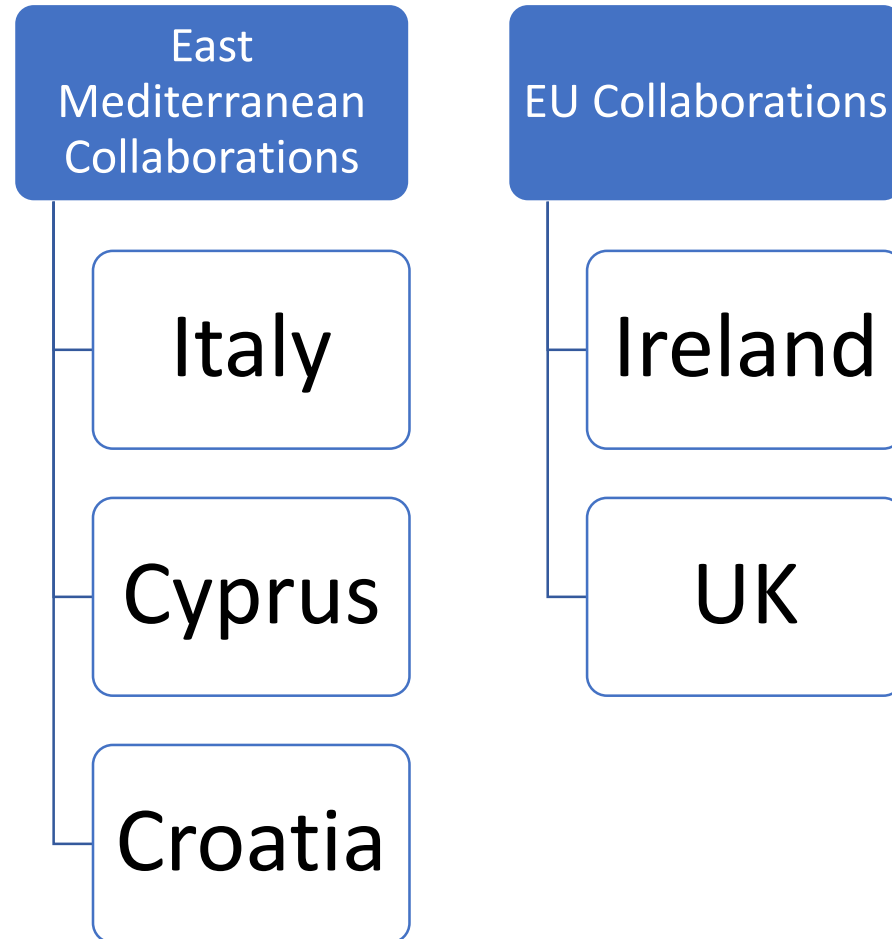


# HHRM's activities in 2018

In 2018 HHRM:

- Assessed and Accepted 3 Reports on Major Hazards
- Assessed 6 Notifications of Well Operations
- An Inspection has been conducted on a Mobile Drilling Unit
- Is currently assessing a Design Notification for a new platform and 2 Notifications of Well Operations

# Cooperation Agreements





# For Greece to implement a comprehensive strategy on E&P:

- Open and transparent processes in accordance with European and national legislation.
- Absolute respect for the protection of the environment
- Maximization of revenues for the Greek state
- Maximization of benefits for local societies
- Holistic Sustainability of the project



THANK YOU!