

8TH SOUTH EAST EUROPE ENERGY DIALOGUE THESSALONIKI, JUNE 11TH & 12TH, 2014

The Changing Energy Landscape of SEE & Key Policy Issues



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ΙΝΣΤΙΤΟΥΤΟ ΕΝΕΡΓΕΙΑΣ
ΝΟΤΙΟΑΝΑΤΟΛΙΚΗΣ ΕΥΡΩΠΗΣ

PRESENTATION OUTLINE

Electricity

SE Europe as an Energy Bridge

- The South Corridor (TAP – TANAP – IAP)
- The South Stream Project and Energy Security Considerations
- The Southern Corridor (East Med)
- The FSRU (Floating LNG Stations)

The SE Europe Energy Market

- Energy mix and energy security considerations

The Role of Interconnectivity

- Gas Interconnections
- Electricity Interconnections

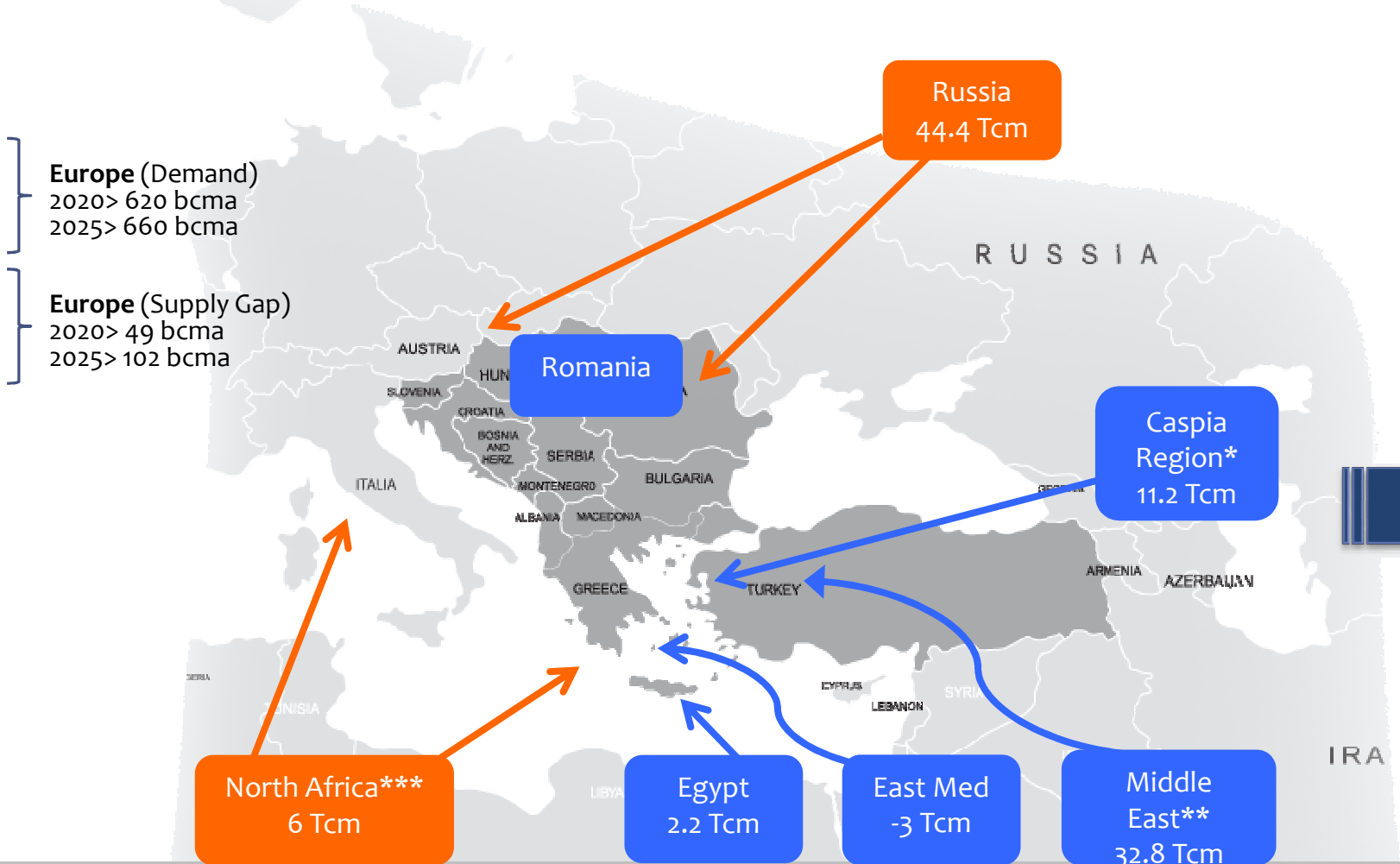
What's Next for Europe and the Region

- Regional (SE Europe) Electricity Exchanges
- A Regional Gas Trading Hub



Supply and Demand in Europe

- Traditional external supply sources
- Potential new supply sources



Specifically for SEE gas demand will grow to 96 bcma in 2010
- 117 bcma in 2025

Supply gap in SEE will be over 20 bcma in 2025

East Med may provide another diversified source of natural gas to the EU by 2017

- Excludes Azerbaijan, Kazakhstan, Turkmenistan
- Iran, Iraq
- *** Algeria, Libya

Source: Courtesy of IENNE

Natural Gas



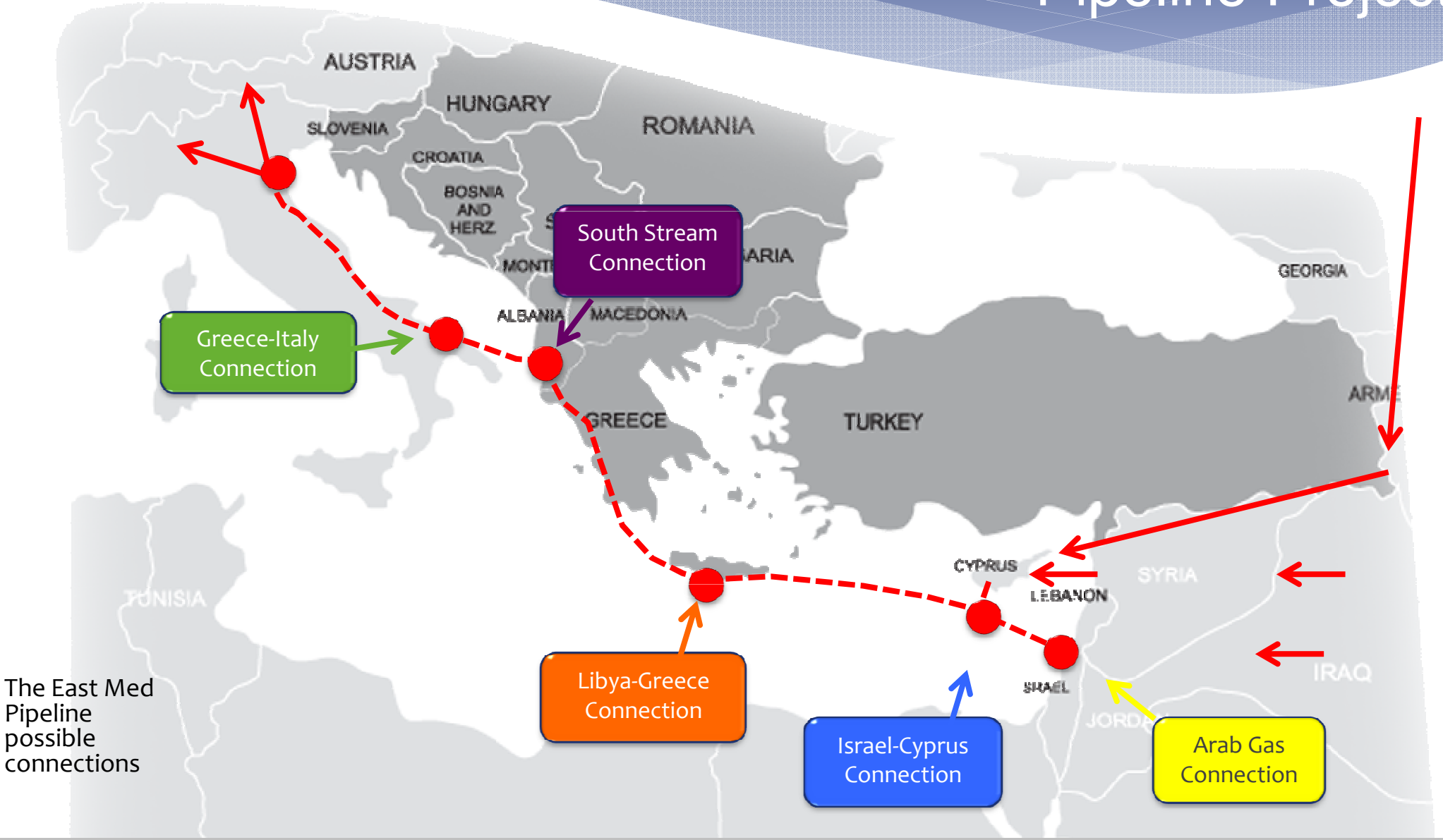
TANAP, TAP and IAP System



South Stream Pipeline



The East Med Pipeline Project

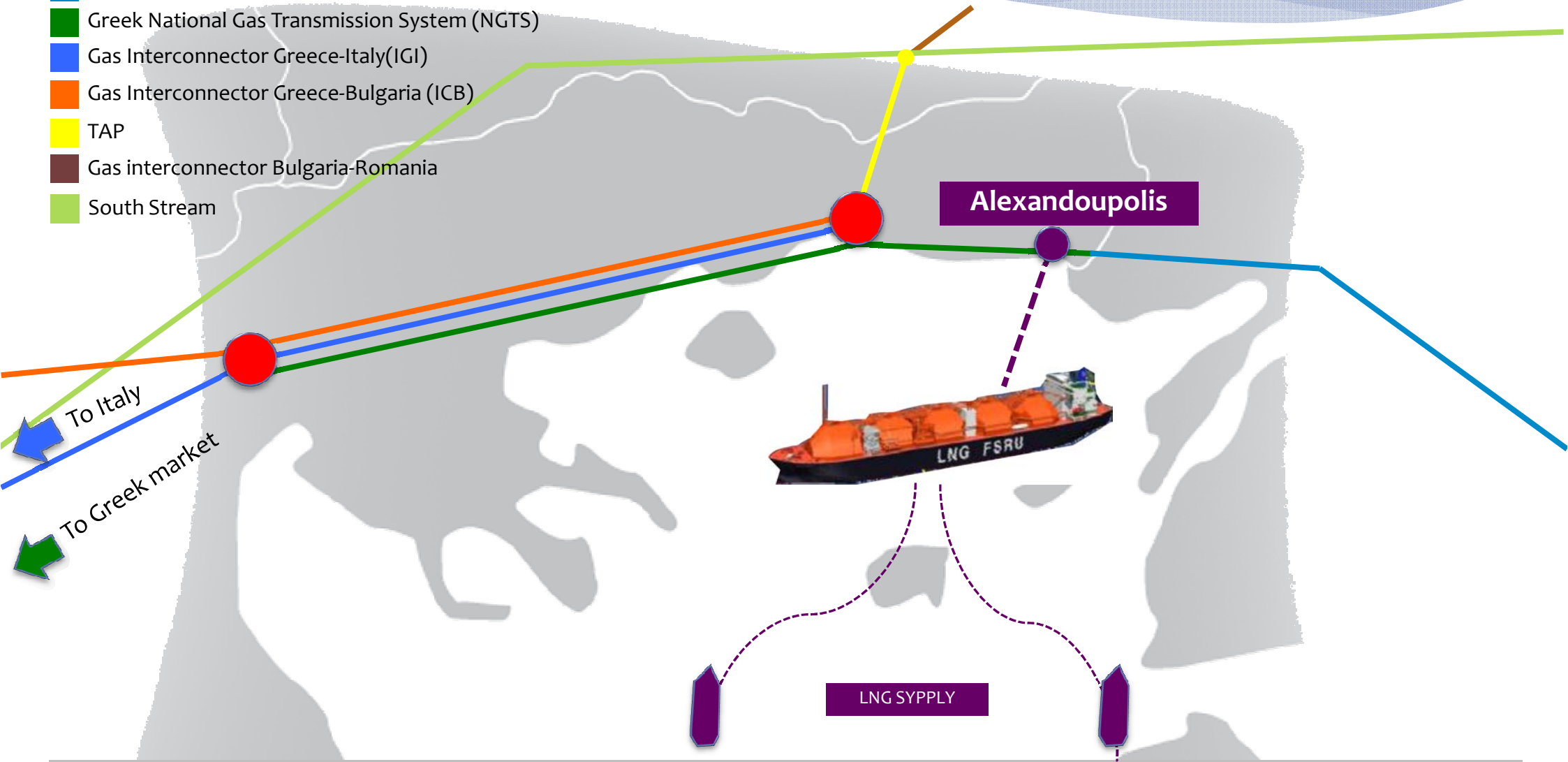


The East Med Pipeline possible connections

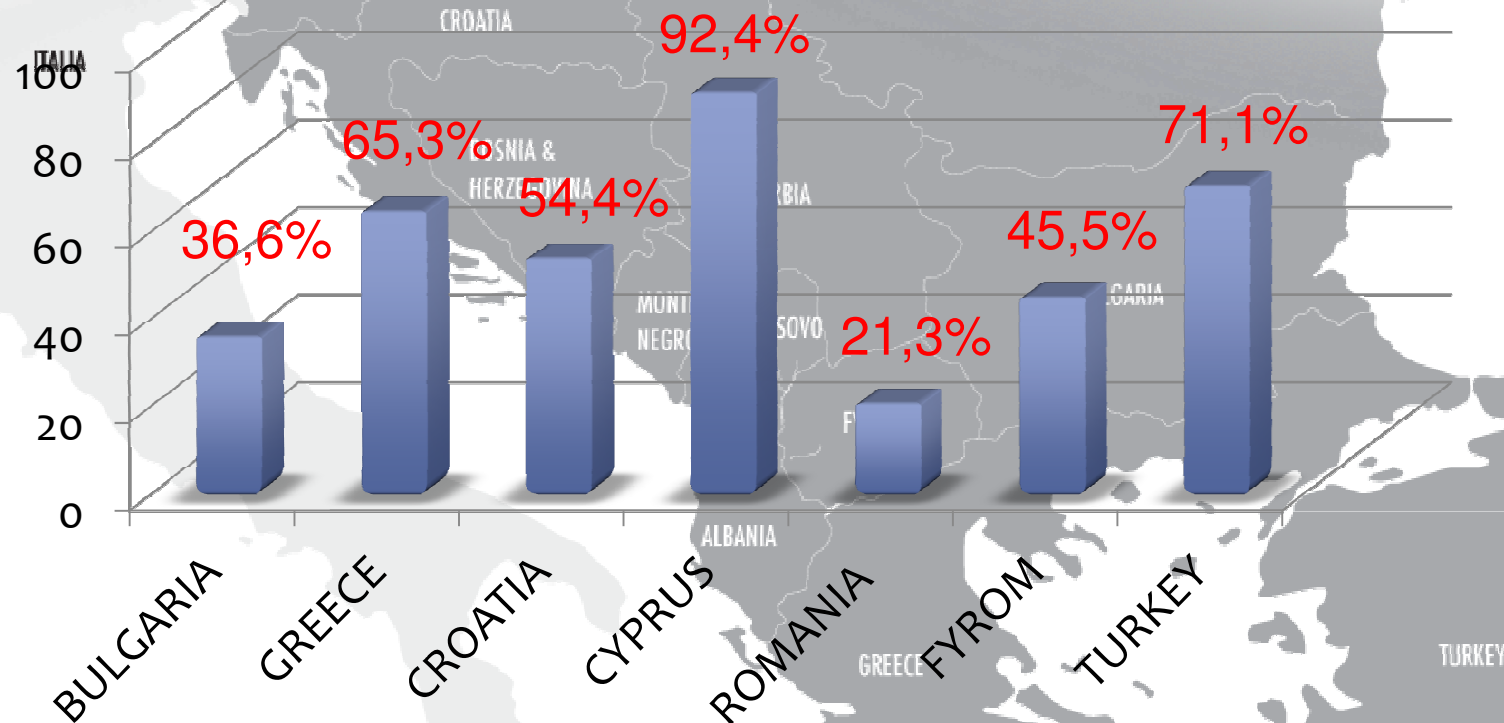
Alexandroupolis LNG INGS

A new energy gateway to Europe

- LNG FSRU Gas Transmission System
- Gas Interconnector Greece-Turkey (ITG)
- Greek National Gas Transmission System (NGTS)
- Gas Interconnector Greece-Italy (IGI)
- Gas Interconnector Greece-Bulgaria (ICB)
- TAP
- Gas interconnector Bulgaria-Romania
- South Stream



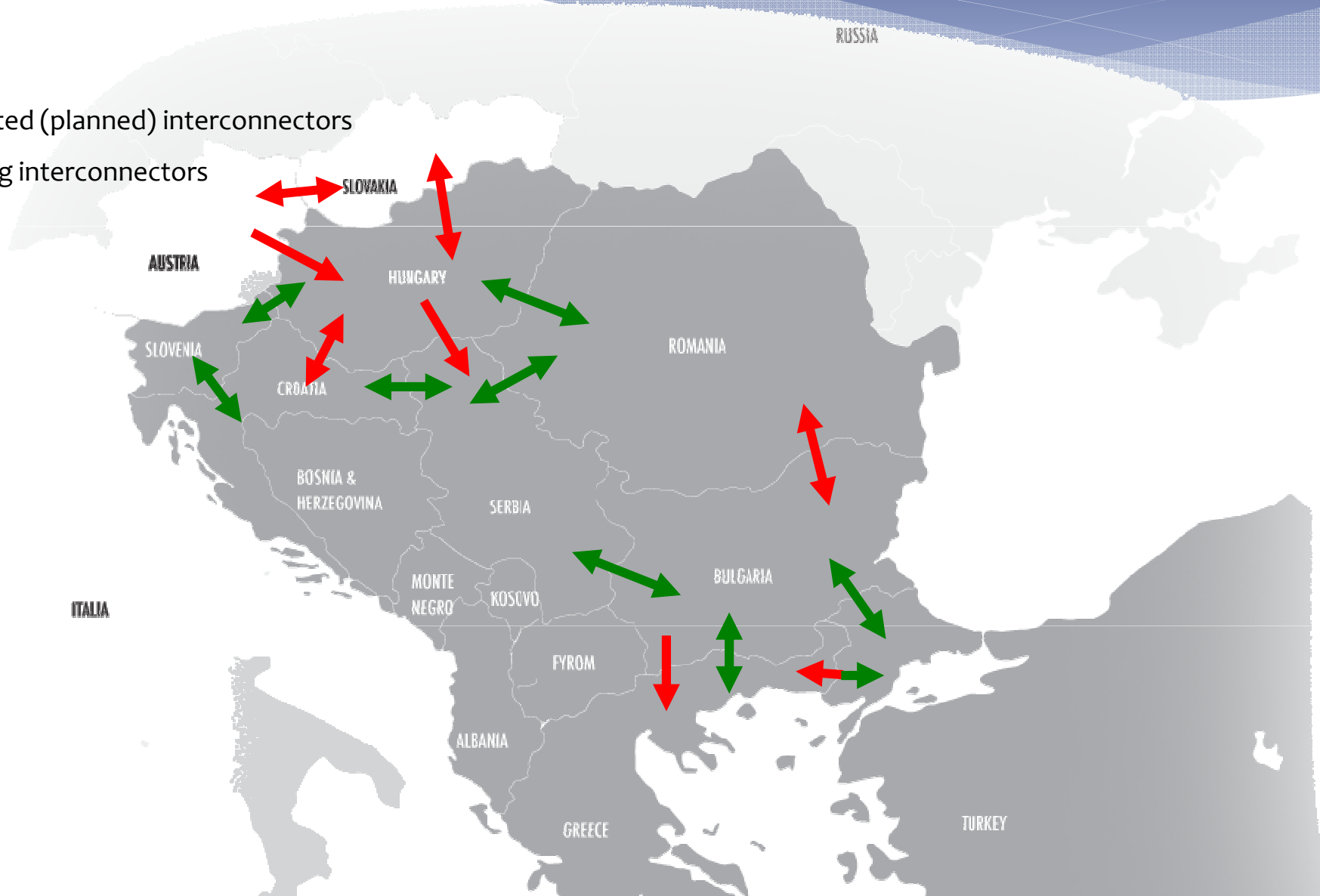
SEE Energy Dependency 2012(%)



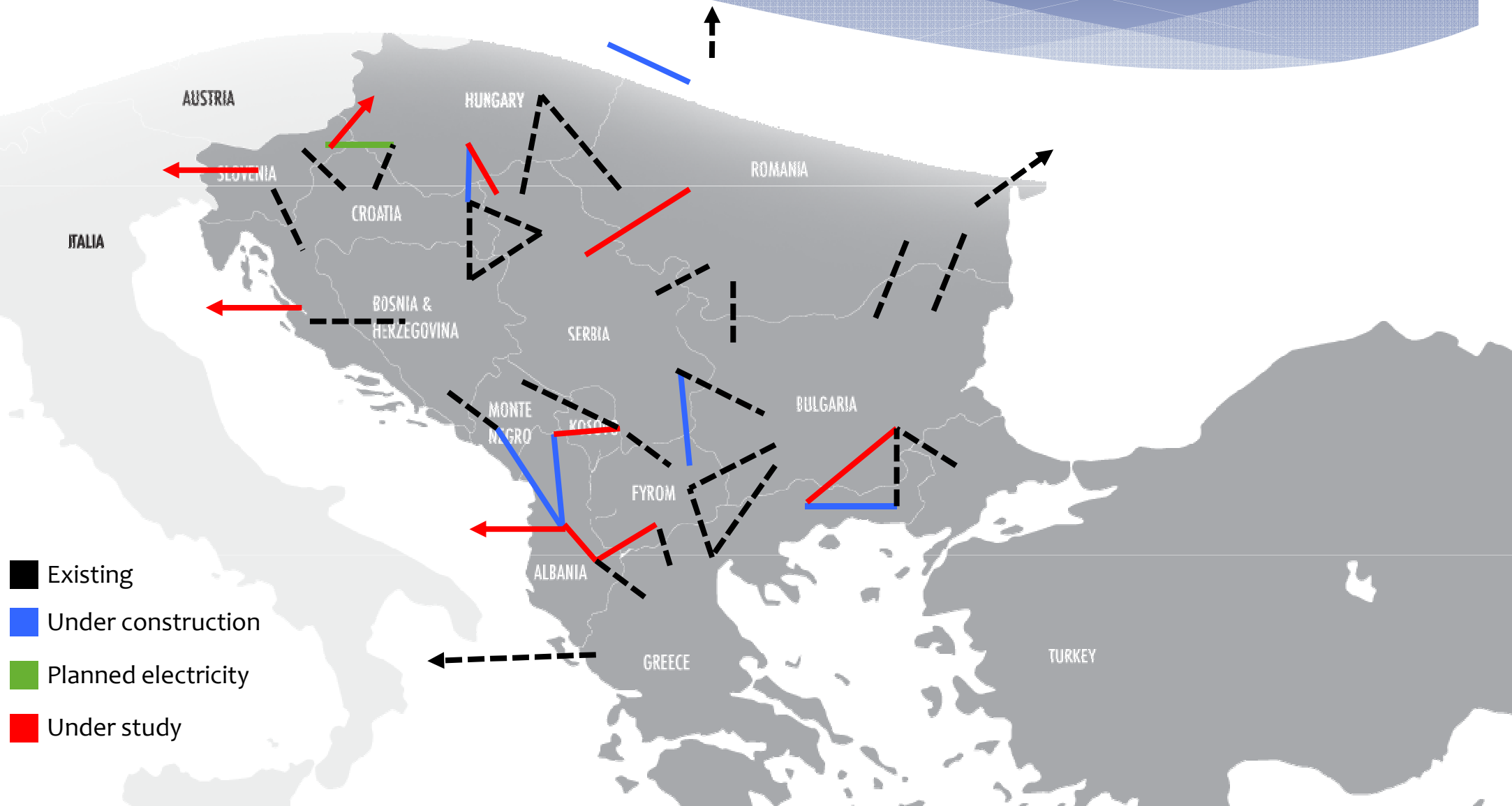
SEE Gas Interconnectors

■ Projected (planned) interconnectors

■ Existing interconnectors



SEE Electricity Interconnectors



Net Electricity Flows



EuroAsia Electricity Interconnections



What Next for the Region

❑ Regional SE Europe Power Exchanges

- The experience of the CAO established on March 2014
- European Exchange EPEX Spot

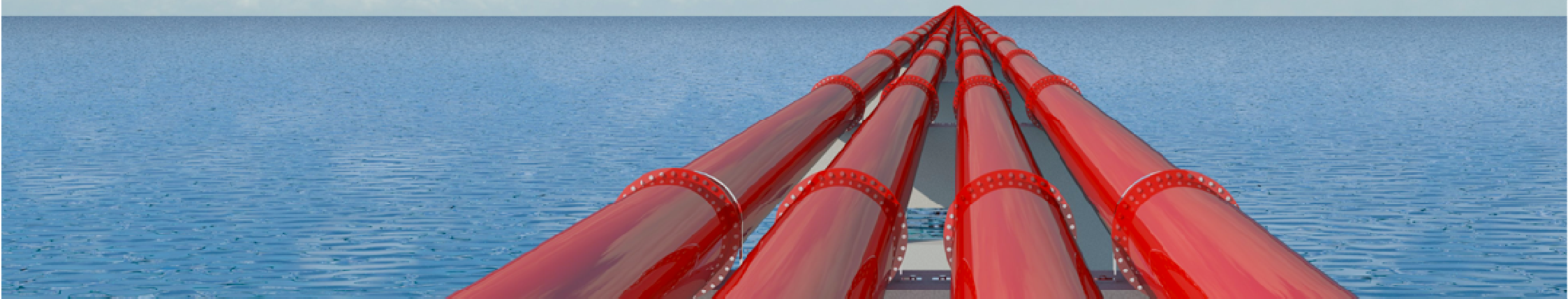
❑ A Regional Gas Hub in SE Europe

- Will develop gas price competition
- Will provide the forum for physical and financial transactions



What Next for Europe

- ❑ EU and Brussels bureaucracy to accept South Stream as a major European project
- ❑ Russia should work towards a framework cooperation with the EU to promote the construction and operation of South Stream
- ❑ EU needs to implement a cohesive policy to address its energy security by adding the East Med Gas supply Route in its agenda.





THANK YOU



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