



Medio Oriente La regione dei destini incrociati



Panel

*“Risorse energetiche e sviluppo tecnologico:
quale impulso per rafforzare le dinamiche cooperative della Regione»*

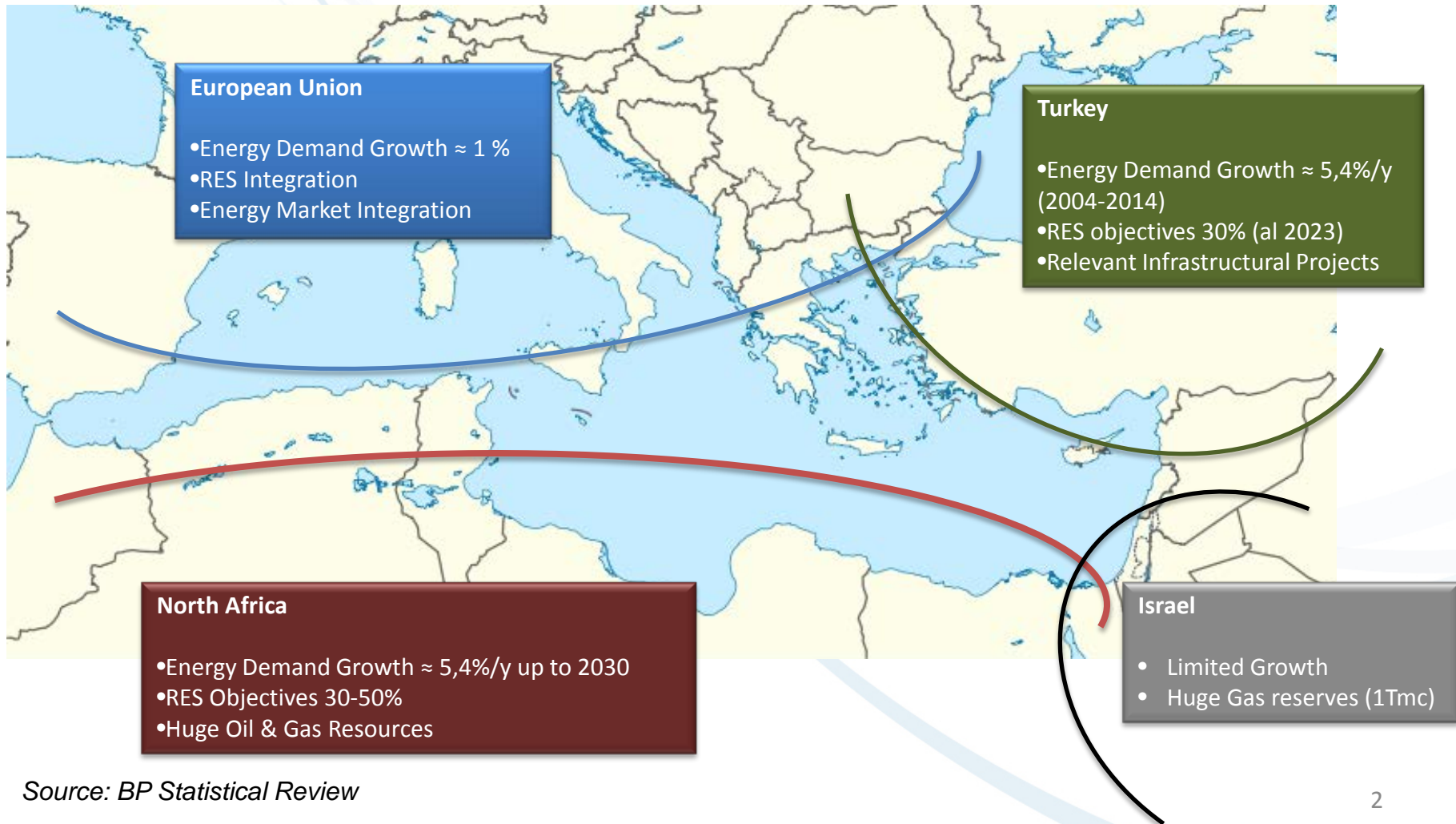
Prof. ssa Valeria Termini

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Commissario Autorità per l'Energia Elettrica, il Gas e il Sistema Idrico (AEEGSI)
Vicepresidente *Mediterranean Energy Regulators* (MEDREG)

Roma – Senato Sala Zuccari, 26 Ottobre 2017



The Context



Game Changers

Renewables Energy Sources

- Ambitious plans to satisfy a growing demand and to mitigate global warming

Digital Revolution

- Increasing use of ICT in the energy industry (smart city, smart meters, etc.)

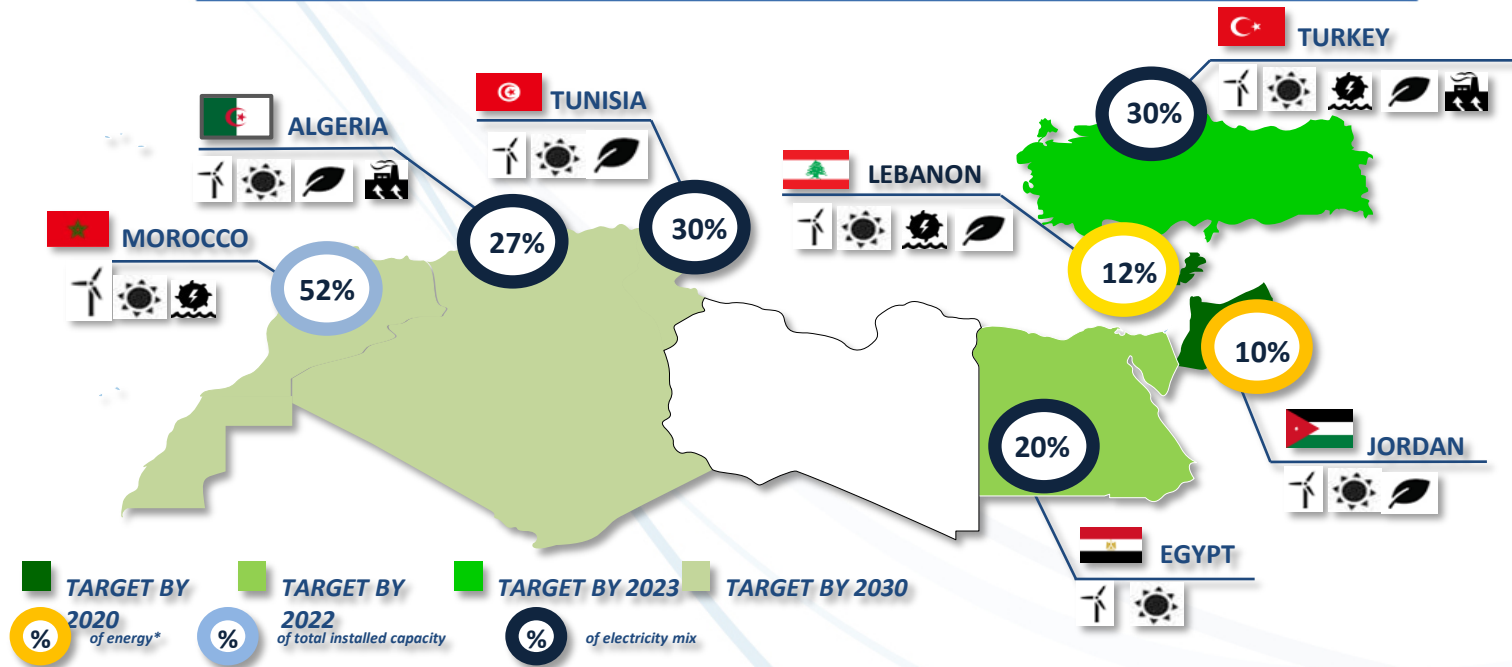
Gas Discoveries

- Huge gas reserves
- Geo-political challenges

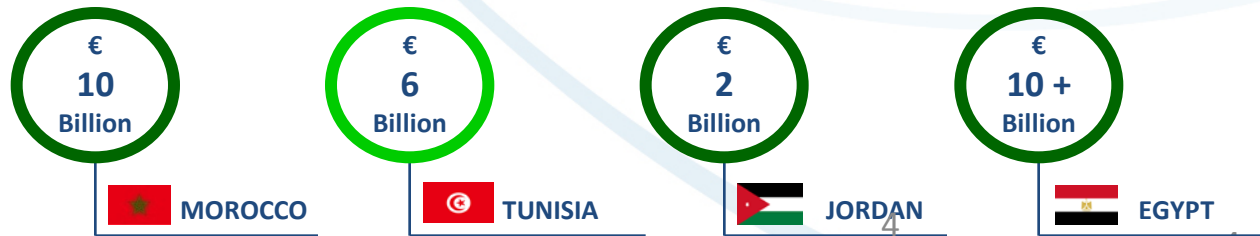
LNG new approach

- From Large to small scale Infrastructures

Renewable Energy Sources



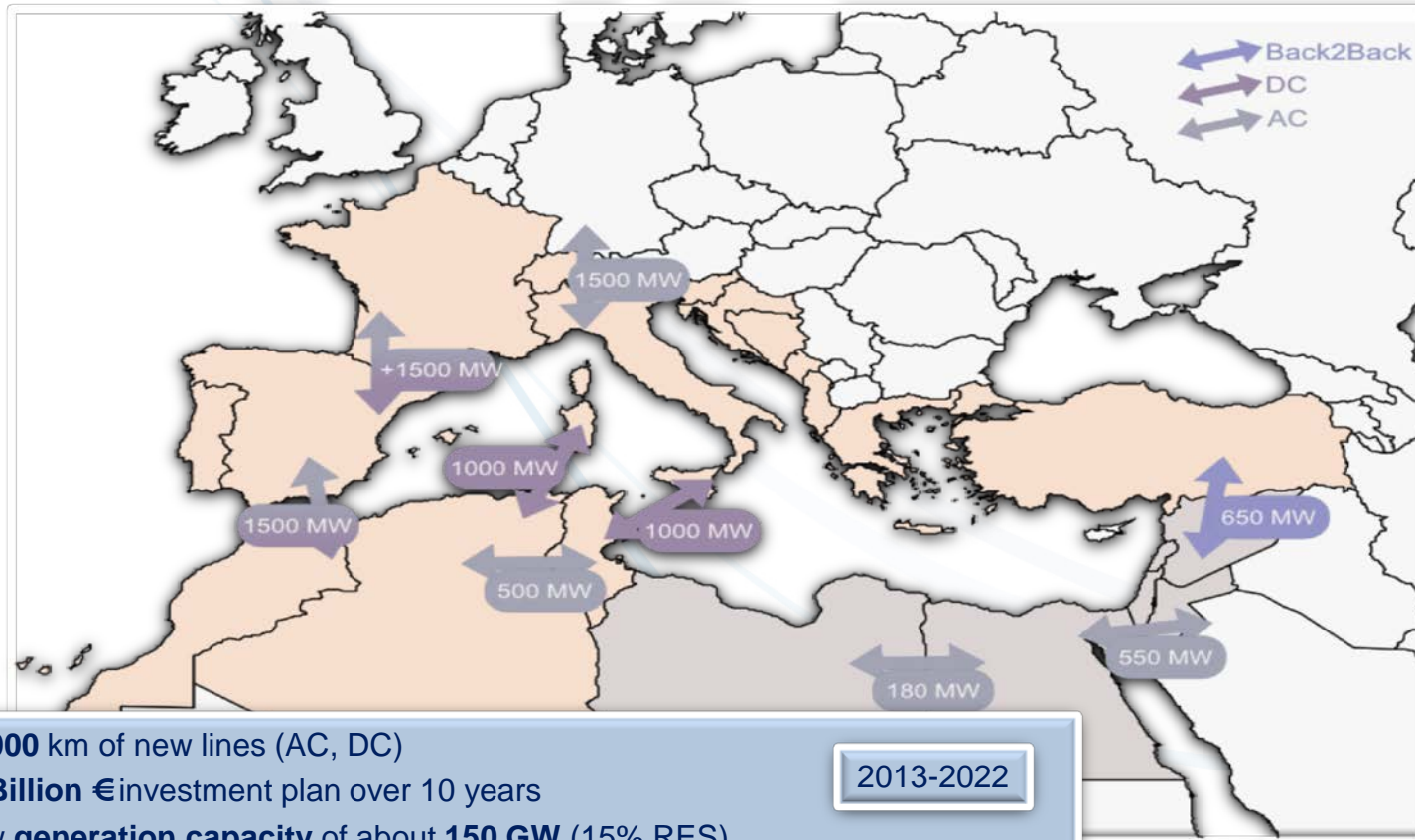
RENEWABLE ENERGY INVESTMENTS** Cumulative public and private investment in RES power plants to reach country targets



Source: RES4MED

*Target as % of: total electricity and thermal energy (Lebanon); primary energy (Jordan), RES4MED elaboration. Investment figure for Tunisia (STEG data)

The Context: Electricity



- **33,000** km of new lines (AC, DC)
- **30 Billion €** investment plan over 10 years
- New **generation capacity** of about **150 GW** (15% RES)
- Planned investment of **220-250** Billions € in 10 years
- Priority: developing interconnections South-North & South-South, jointly with reinforcement of internal network

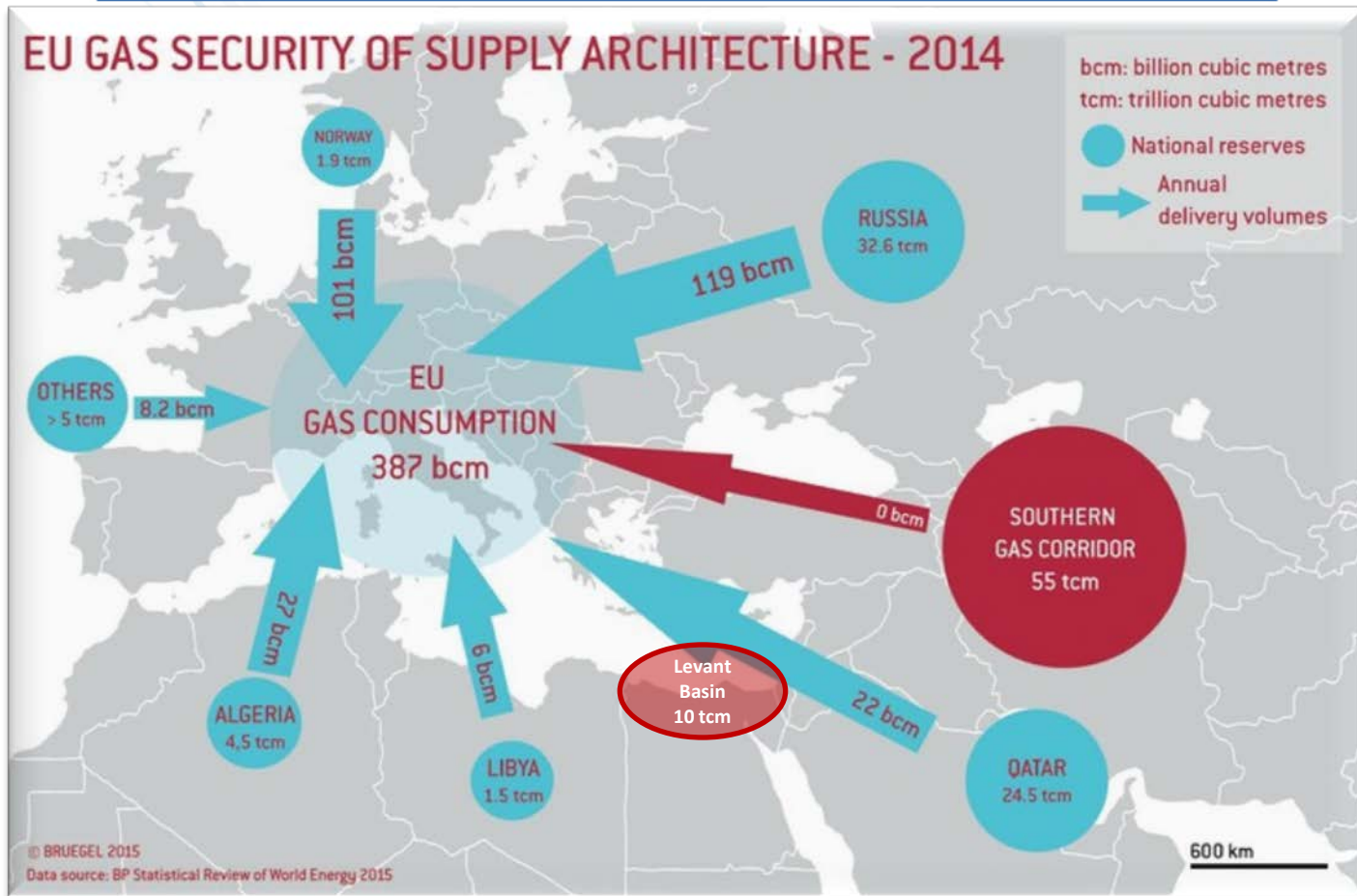
2013-2022

Source: MEDTSO

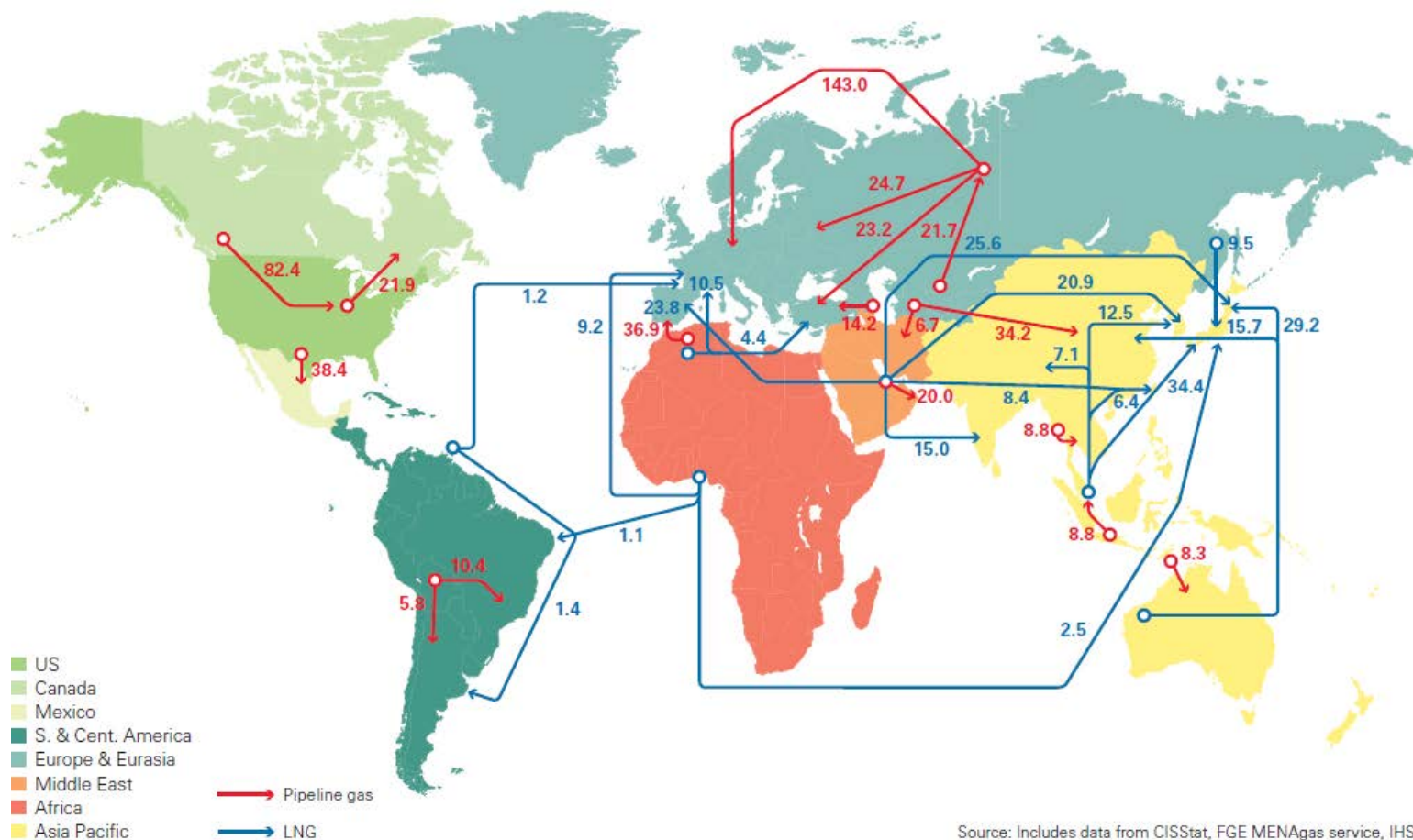
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The Context: Gas

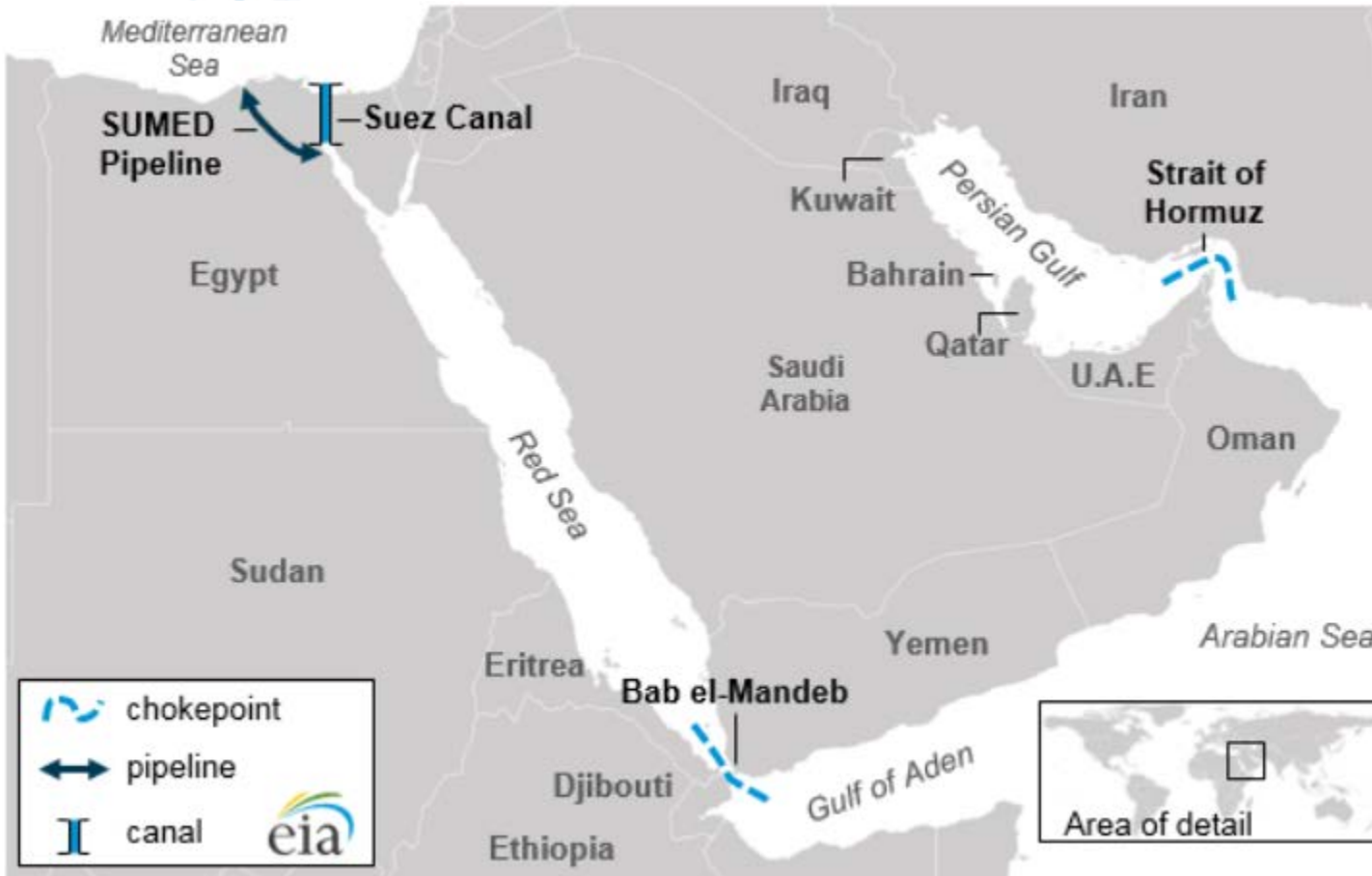


Scambi di gas nel mondo – gasdotti (in rosso) e per nave (in blu)



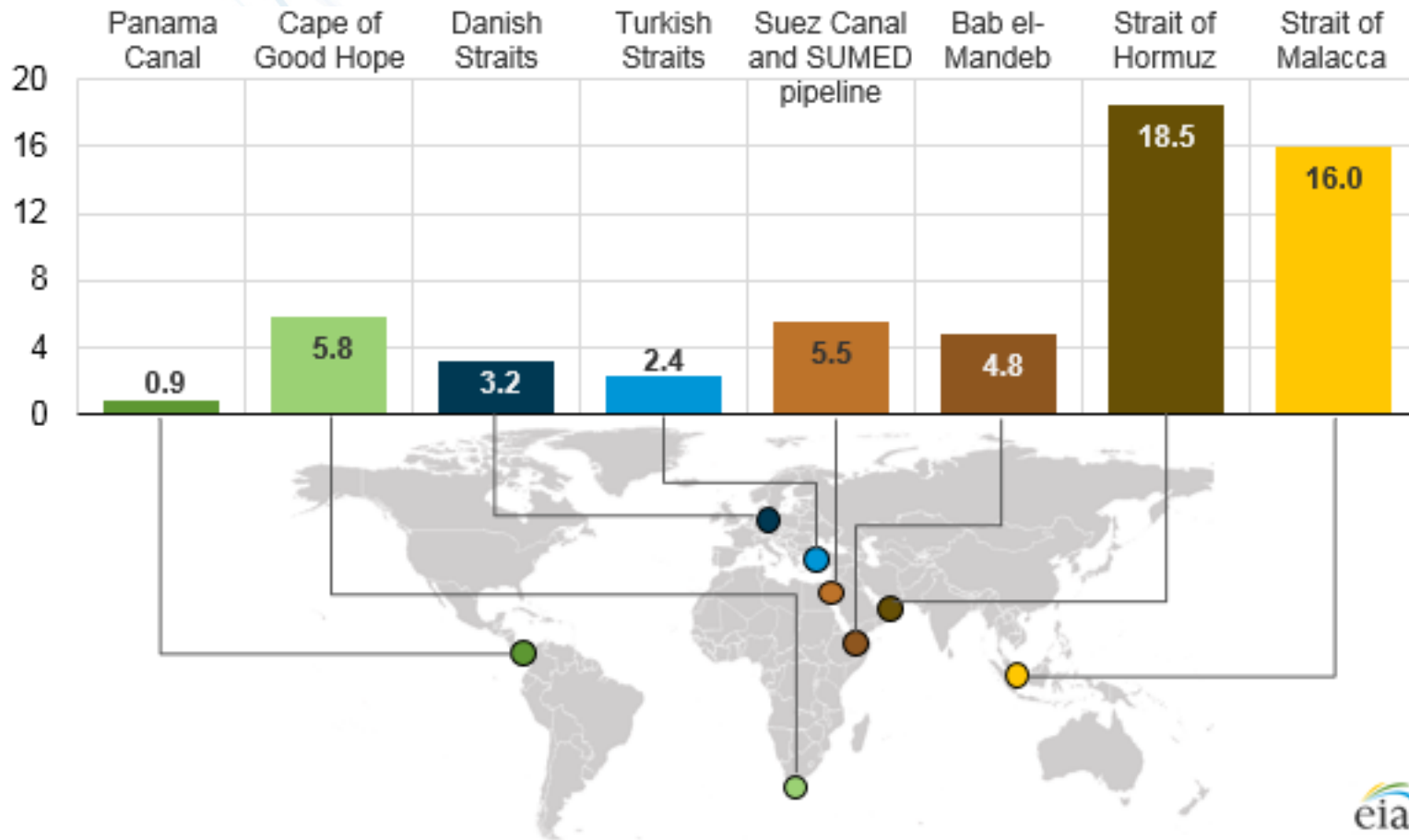
Fonte: BP Statistics 2017

Arabian Peninsula maritime chokepoints



Source: U.S. Energy Information Administration

Petroleum transit volumes through select maritime routes (2016) – milion barrels per day



Source: US Energy Information Administration, 2017 World Oil Transit Chokepoints

MEDREG

Association of Mediterranean Energy Regulators

Mission

to implement the conditions for the establishment of a future **Mediterranean energy community**

Objectives

- **stable and harmonized regulatory framework**
- **markets and systems integration**
- **infrastructure investments**
- **consumer protection**
- **enhanced energy cooperation**



Tools

- **Capacity building**
- **Institutional building**
- **Intense dialogue with external partners (EU, LAS, PAM. UfM..)**

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UfM Energy Platforms

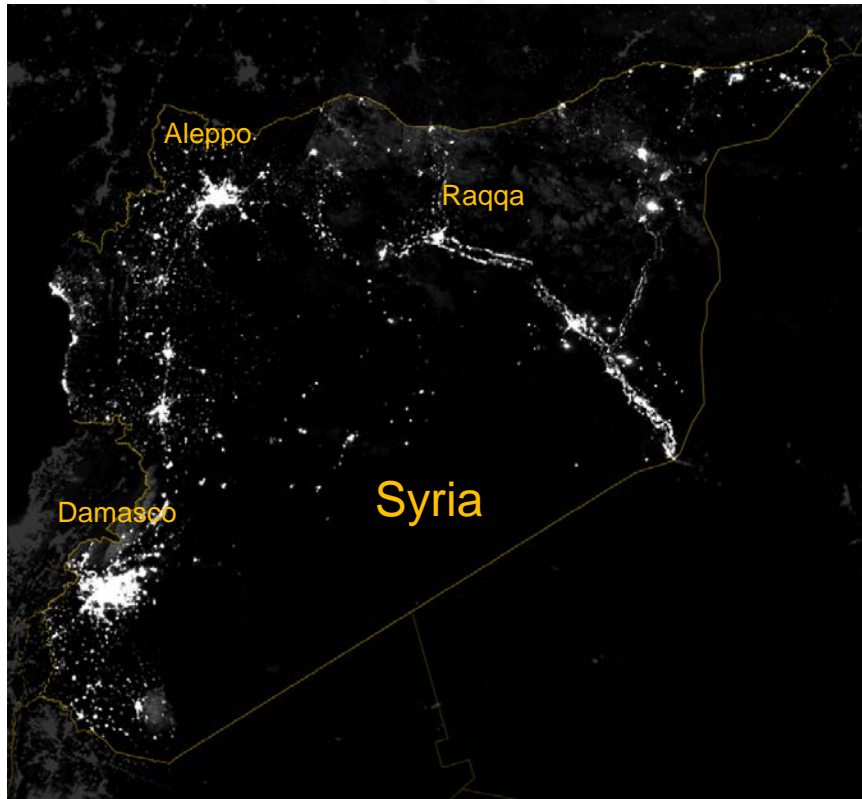
In November 2014, during the Italian Presidency of the Council of the EU, a Conference in Rome launched:

“three thematic platforms to provide a permanent high level forum for discussing energy policy objectives and measures, with a view to identify specific and concrete actions” aiming at promoting:

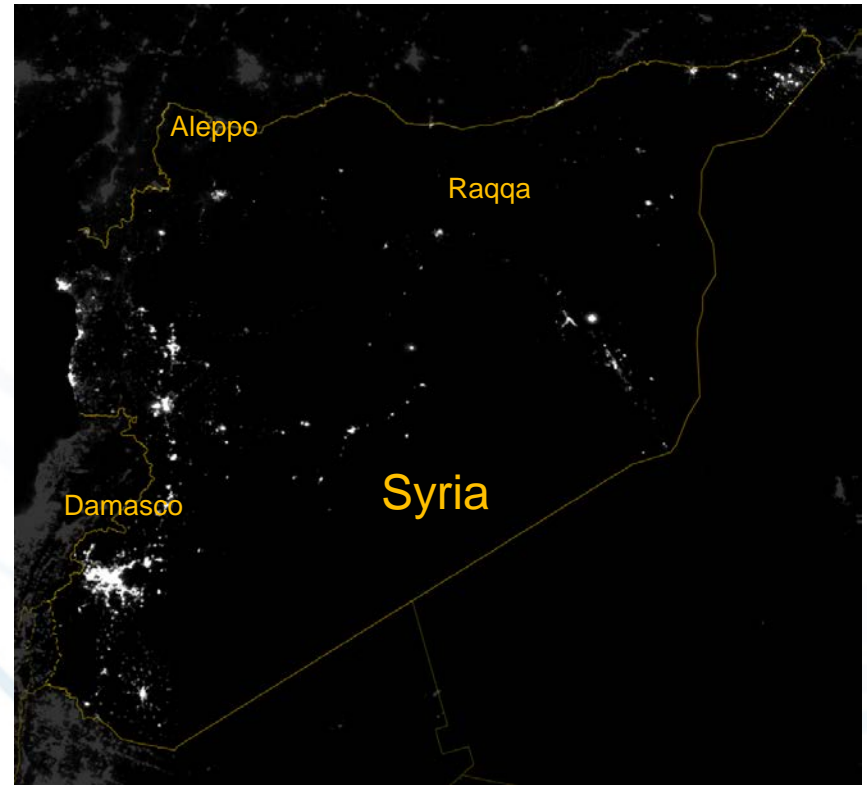
- **Gas:** a Euro-Mediterranean gas market to deliver secure, affordable and sustainable natural gas supplies
- **Electricity:** a gradual integration of markets in the UfM region by gradually removing financial, technical, physical and regulatory barriers
- **Renewable Energy and Energy Efficiency:** the deployment of renewable sources and energy efficiency technologies and projects.



Light & Peace



March 2012



December 2014



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Thank you for your attention!

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Supported by the European Union

Renewable Energy Sources

- Sustainable support for an increasing energy demand
- Decarbonisation goals
- Availability of Fossil Resources for export to support state budgets
- Impact of distributed power generation
 - enlarged access to energy
 - isolated grid
 - increase life quality and local economy
- Job creation

Highlights

- Regional cooperation is crucial
- Multilateral approach, geographic and historical role are keys for Italy to confirm its leading position in the MENA Region;
- Italy holds high-level technical competences, fair diplomacy;
- National Energy Industry, Universities and Research Institutions should jointly cooperate;
- Concrete opportunities to increase Italy's role as energy hub (electricity, gas and oil);
- AEEGSI inspired energy associations, such as MEDREG and MEDTSO, and is an active participant of international projects