

ANTALYA 2019



6-8 EKİM / OCTOBER 2019 REGNUM CARYA

SOHBET KARBUZ

Hidrokarbonlar Direktörü, OME

EastMed Gas Developments

Sohbet KARBUZ

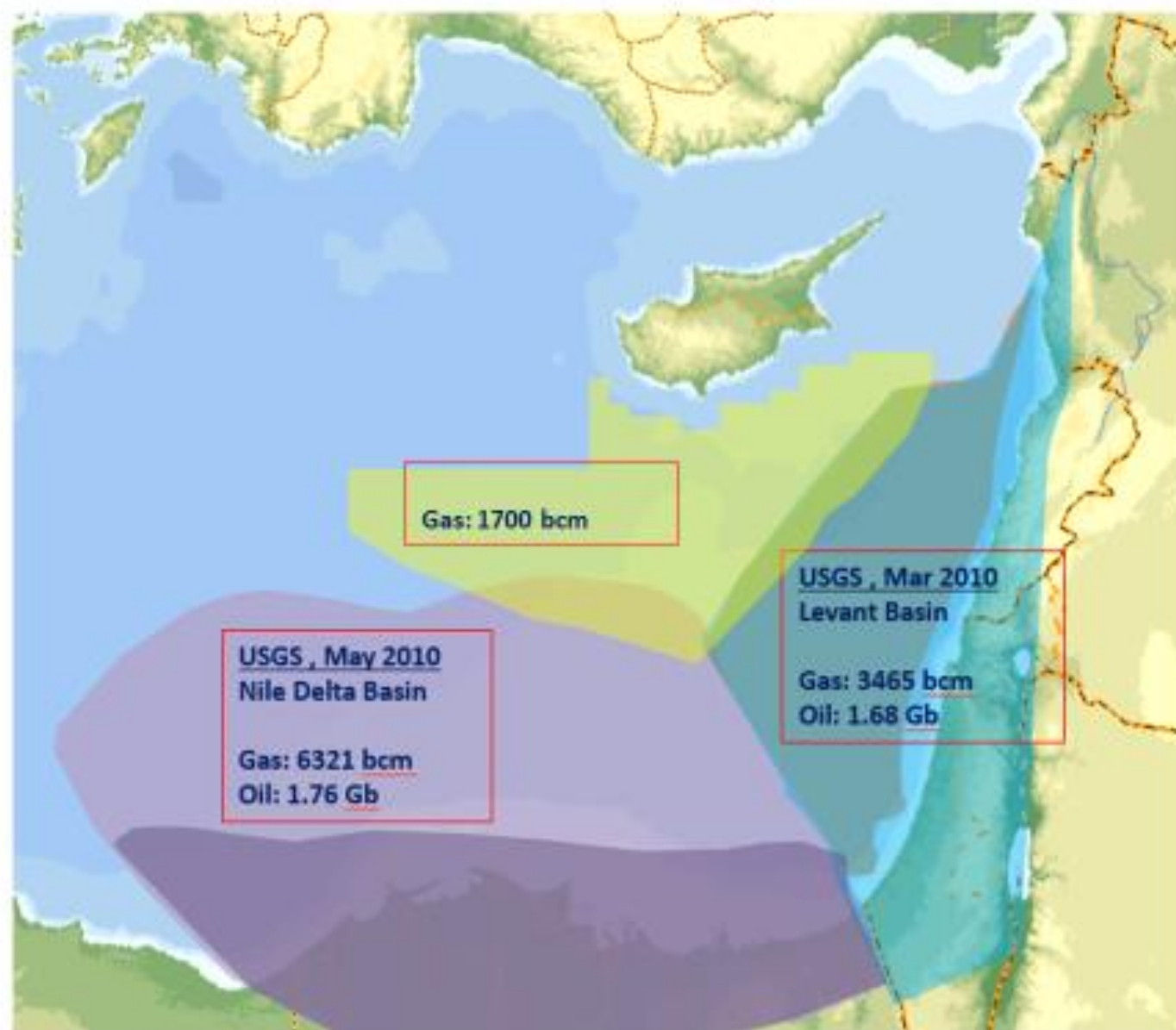
Turkey Energy Summit
Antalya, 7 October 2019

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Natural Gas Discoveries in EastMed

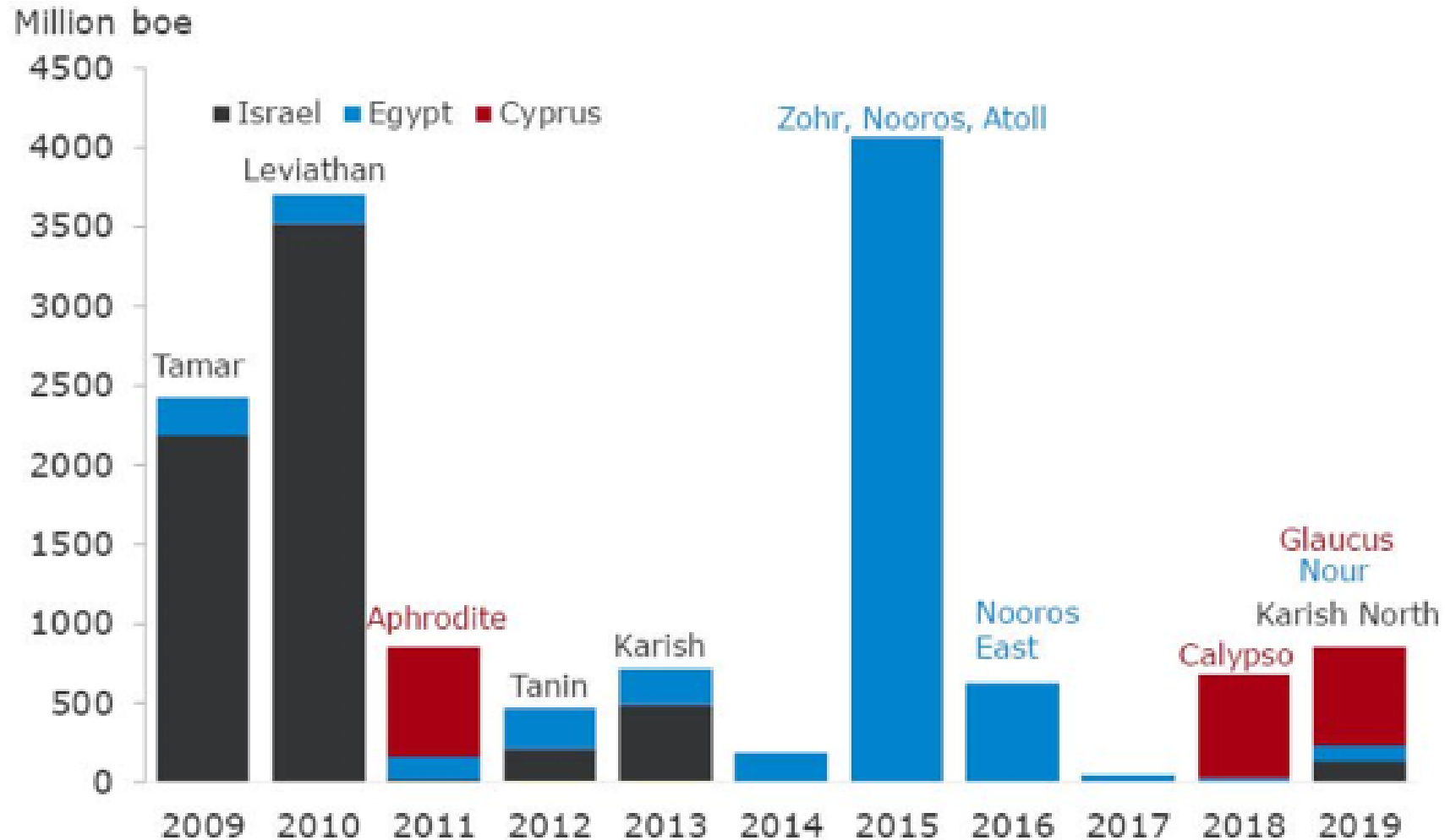


Estimates for undiscovered resources



Source: Sohbet Karbuz, Bilkent Enerji Notları No.12, Temmuz 2019,

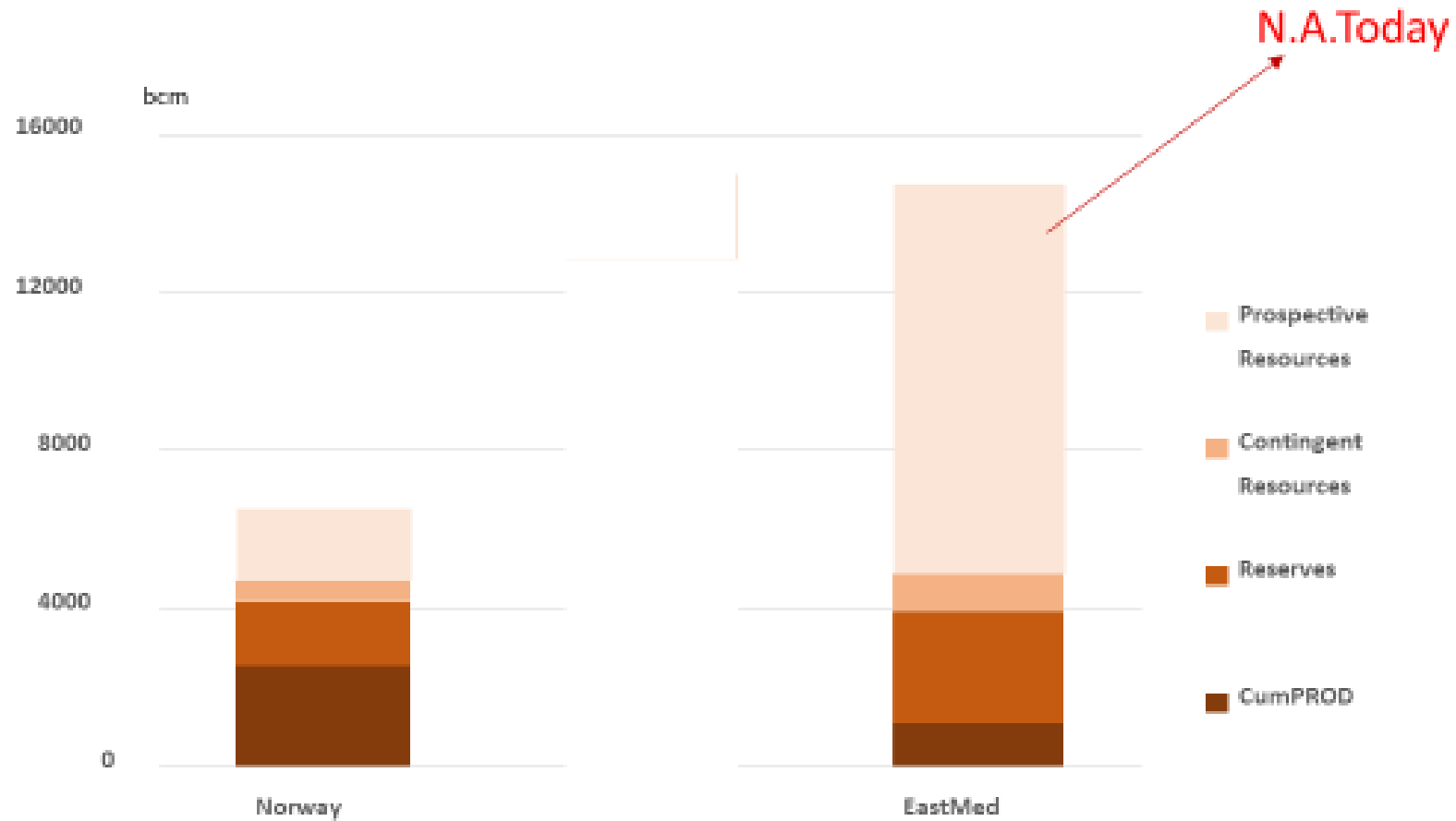
Natural Gas Discoveries in EastMed: Jan2009-Sept2019



Source: Rystad Energy UCube

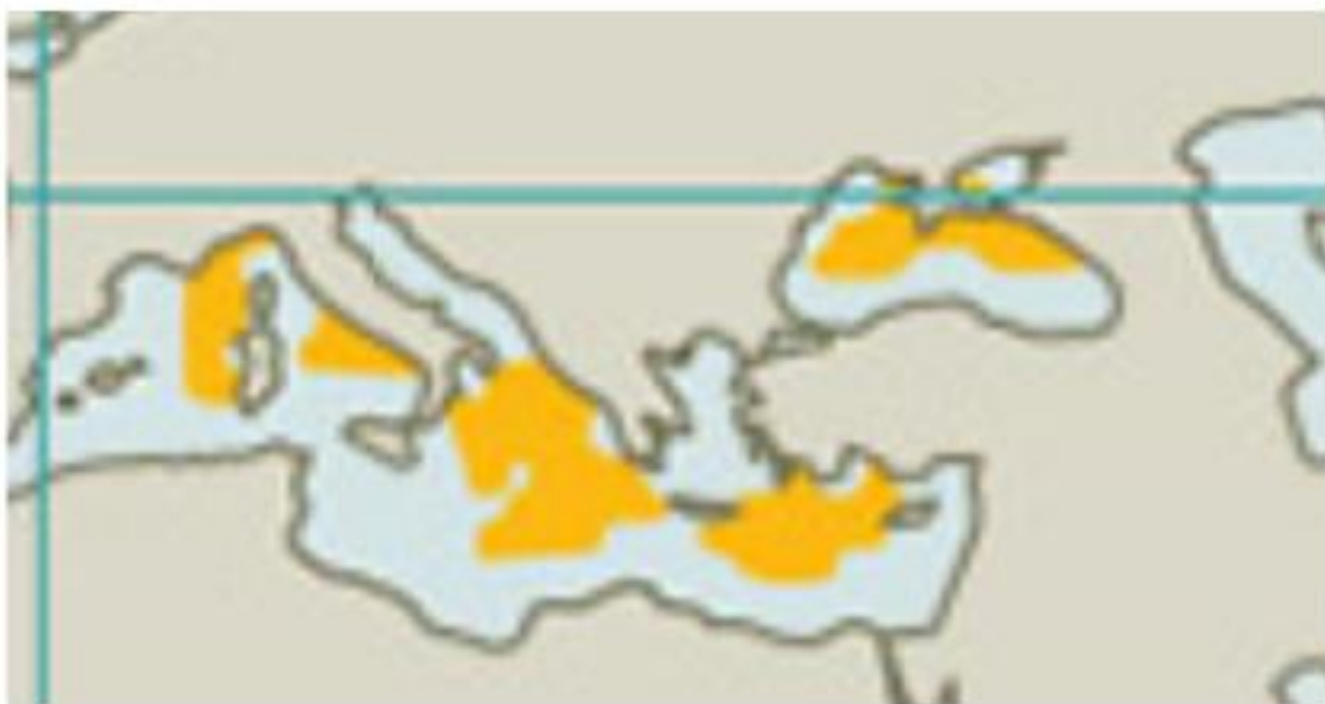
~2500 bcm: (Azerbaijan's reserves=2130 bcm)

East Med Natural Gas Resource Potential



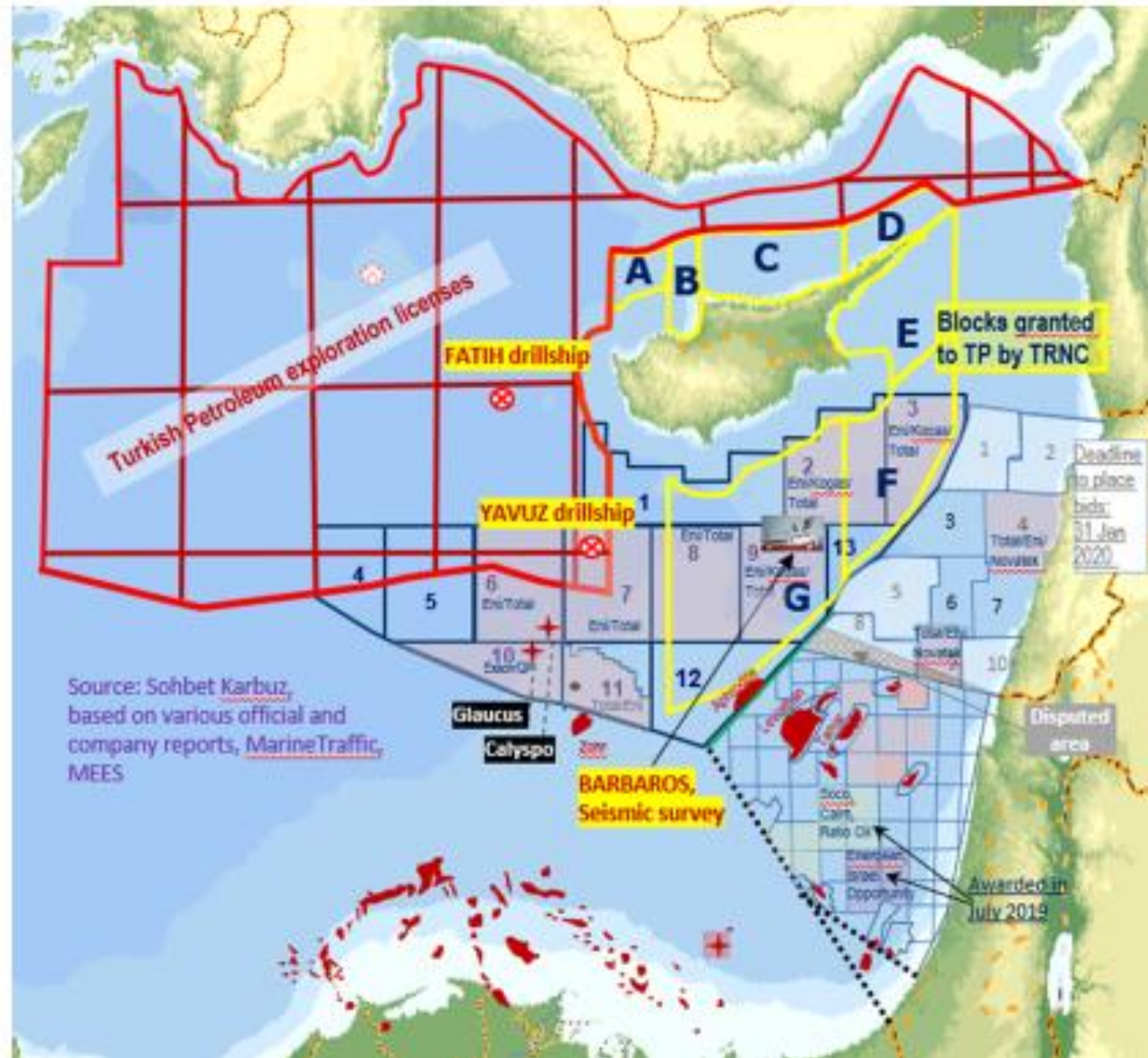
Source: Sohbat Karbuz, Bilkent Enerji Notlari No.12, Temmuz 2019.

East Med Natural Gas Resource Potential -2

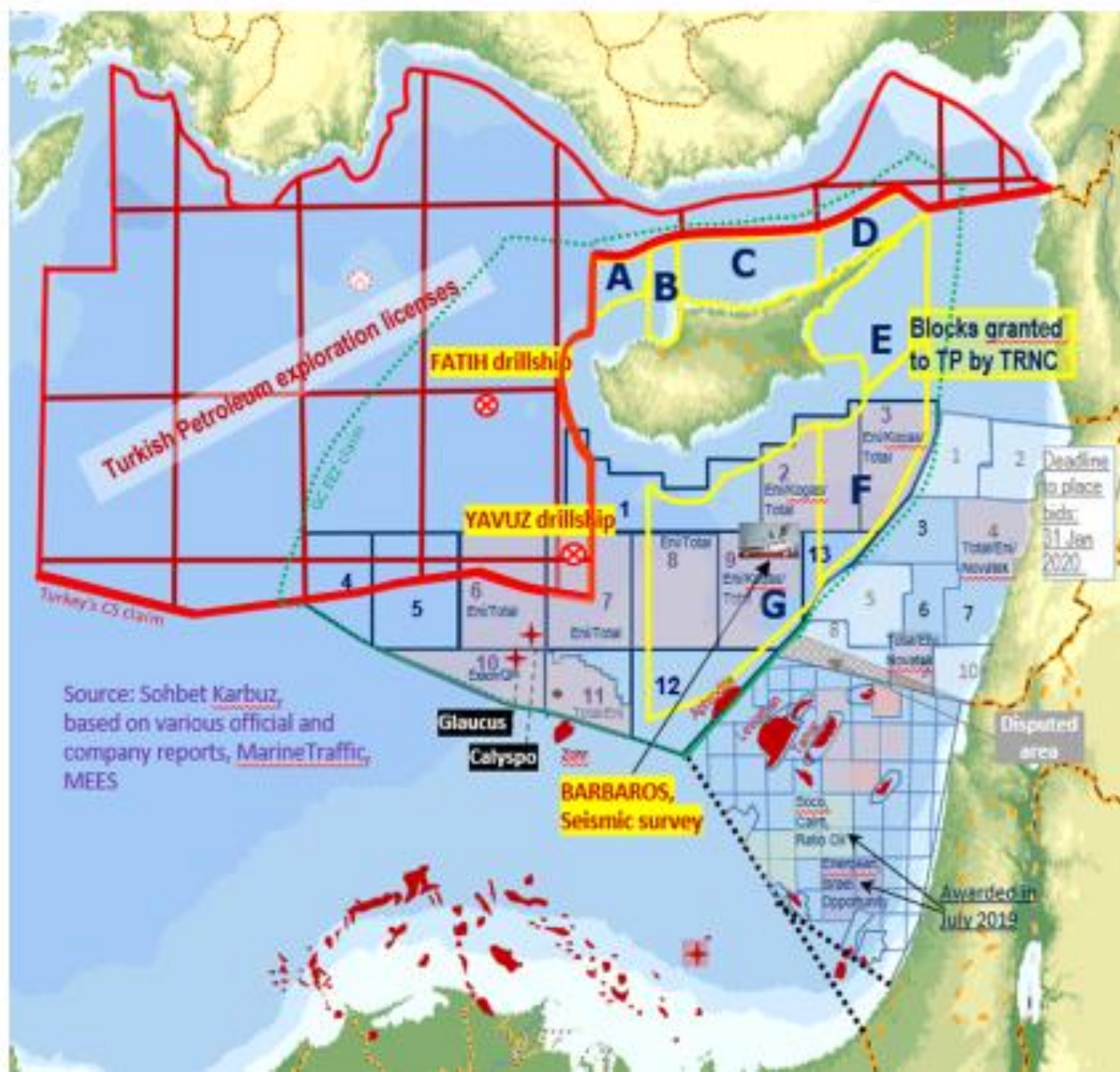


And an unknown about of methane hydrates

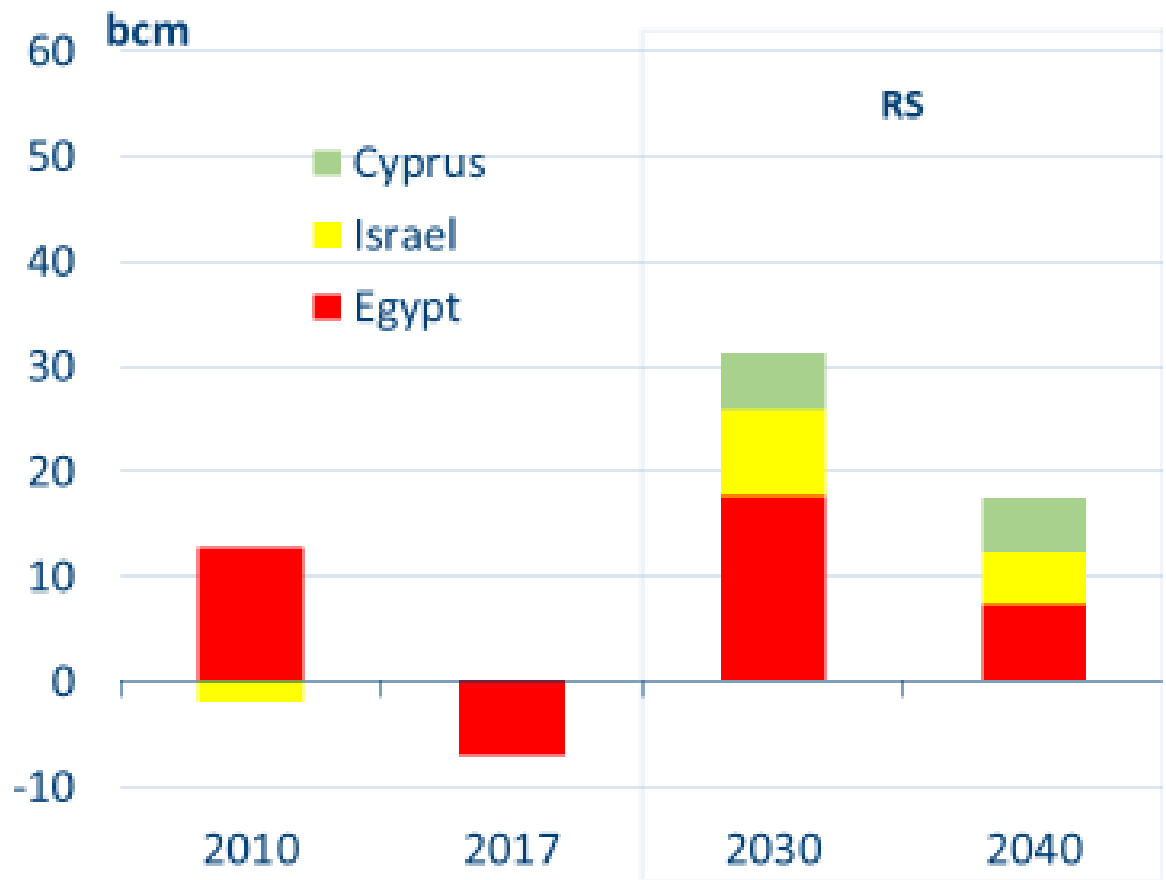
Exploration & Production Activities



Exploration & Production Activities



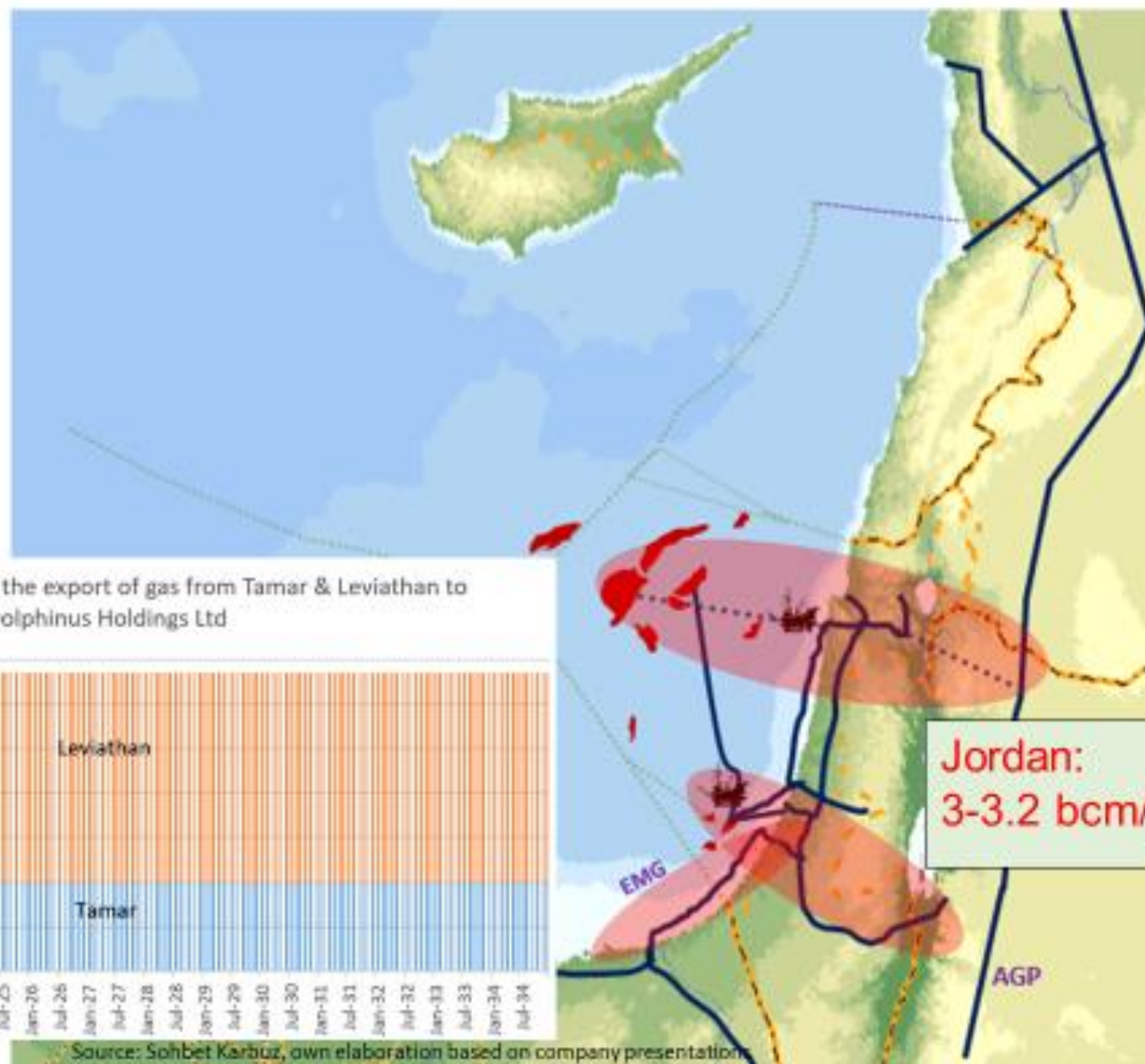
EastMed Natural Gas Export Potential



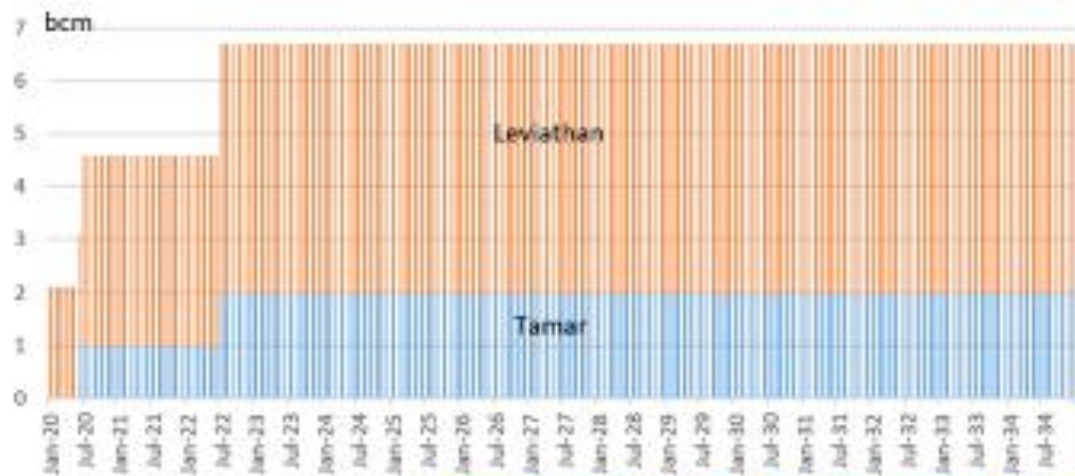
Source: MEP2018, OME

will largely depend on the role of gas in the economy

Existing Export Options

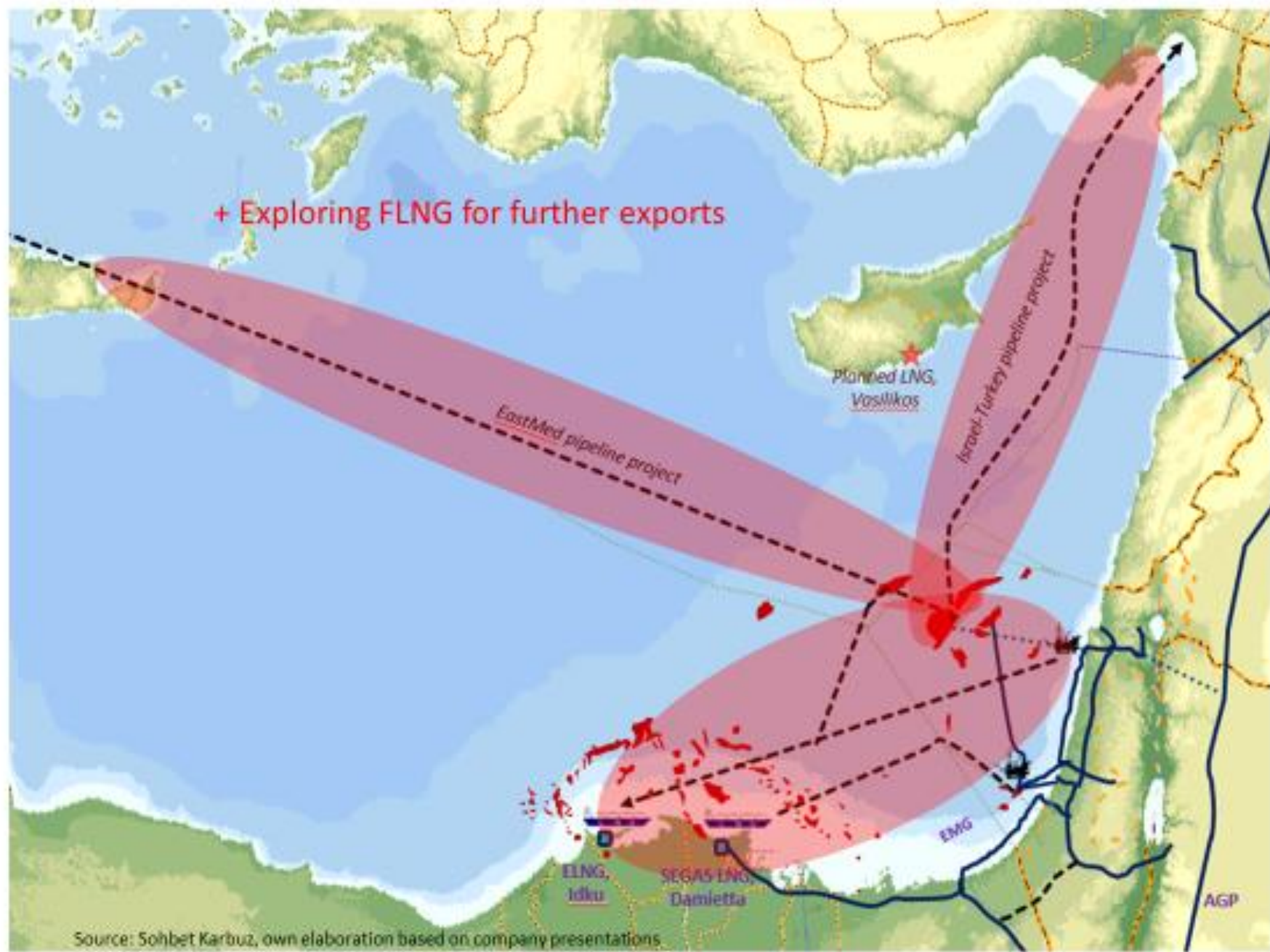


Updated Agreement for the export of gas from Tamar & Leviathan to Dolphinus Holdings Ltd



Jordan:
3-3.2 bcm/yr

Potential Export Options



Export prices: a major challenge



Domestic and Export Blended Realized Price at Startup of \$5.50/Mcf to \$6.00/Mcf at Current Brent Pricing

GLOBAL GAS SPOT PRICES CONVERGE ON WORLDWIDE SUPPLY GLUT



Source: S&P Global Platts

Opportunities & Challenges



- ❑ Opportunities
 - ❑ Most areas are either unexplored /under-explored
 - ❑ Economic prosperity & energy security
 - ❑ Good prospects to emerge as a significant gas corridor
- ❑ Challenges
 - ❑ Maritime border disputes exacerbates complex regional geopolitics
 - ❑ Poor/no export infrastructure (excl Egypt)
 - ❑ Difficult to compete with LNG/Russian gas in export markets
- ❑ How to convert pressing challenges into opportunities?

Concluding Remarks

- ❑ *Numerous challenges & opportunities with major economic & geo-political implications*
- ❑ **Joint** exploitation of resources & transport projects may change the political and economic scene of the region
- ❑ *Needed:*

*A geopolitical game changer: **Cooperation***

A new business model

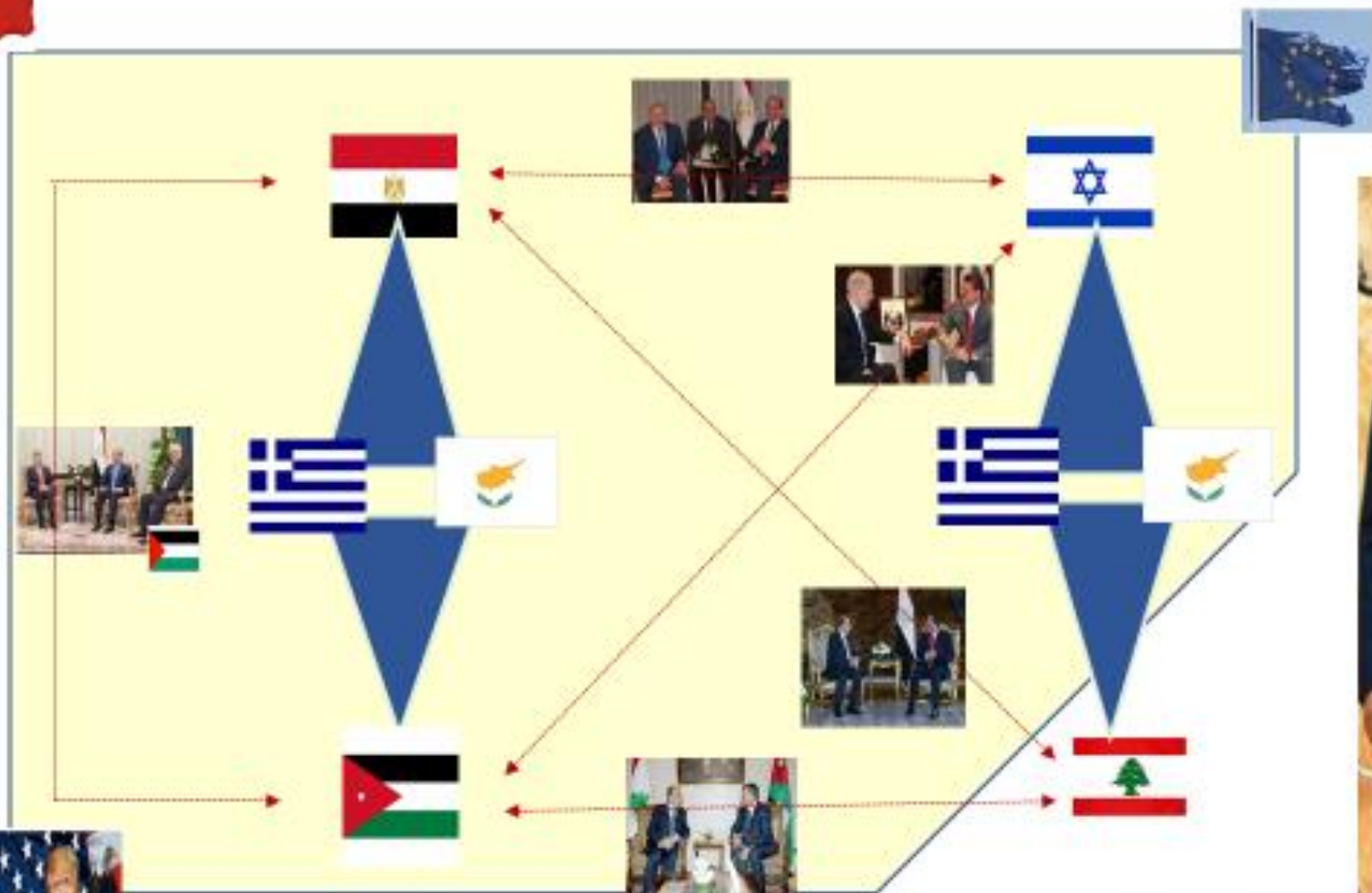


“If you want to go fast, go alone. If you want to go far, go together.”

Thank you.



EastMed Alignments



Source: Sahbet Karbuz [own elaboration]



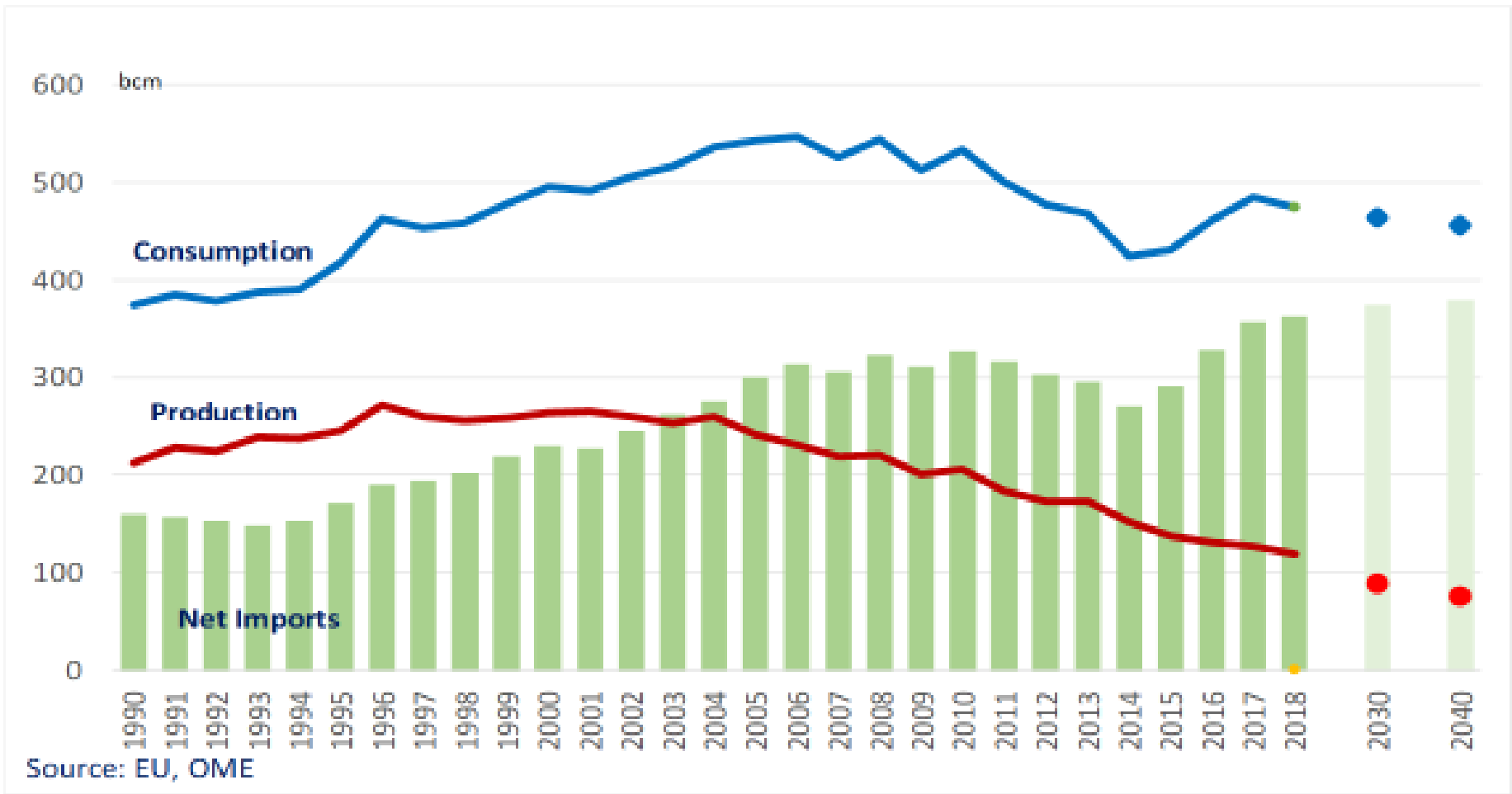
EASTERN MEDITERRANEAN GAS FORUM



The East Mediterranean Gas Forum



EU Natural Gas Balance



11bcm-16bcm additional import need