



Italy and Energy in the Med

Davide Tabarelli

Financing the Maritime Economy, Investment and
Development in the Mediterranean

July 5th, 2019

Naples

Agenda



The context of world-wide growth in energy demand

The increasing European dependency on blue energy, natgas

Where the gas will come from (sources)

Italy's inability to exploit domestic gas

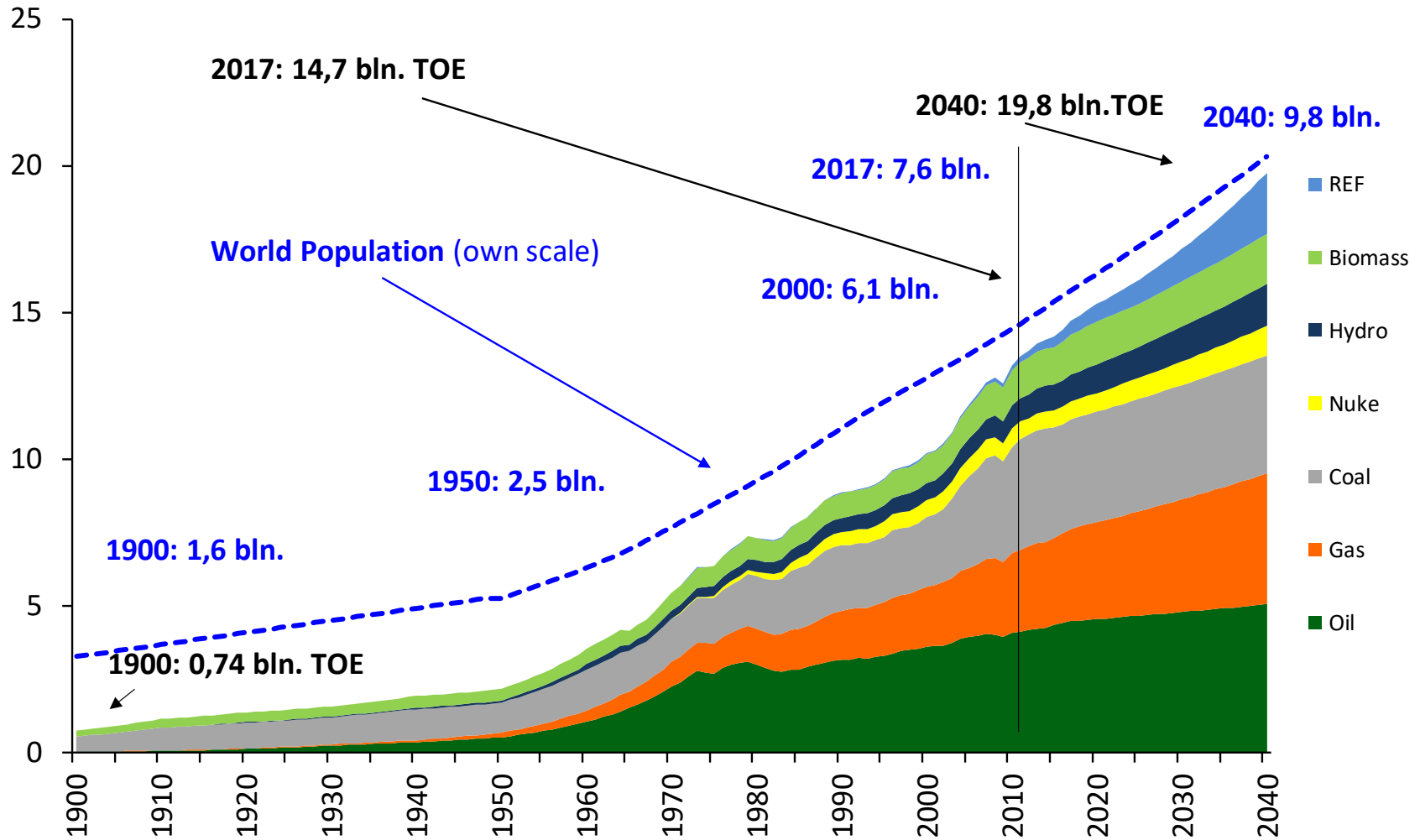
Other developments in the blue economy

Conclusions

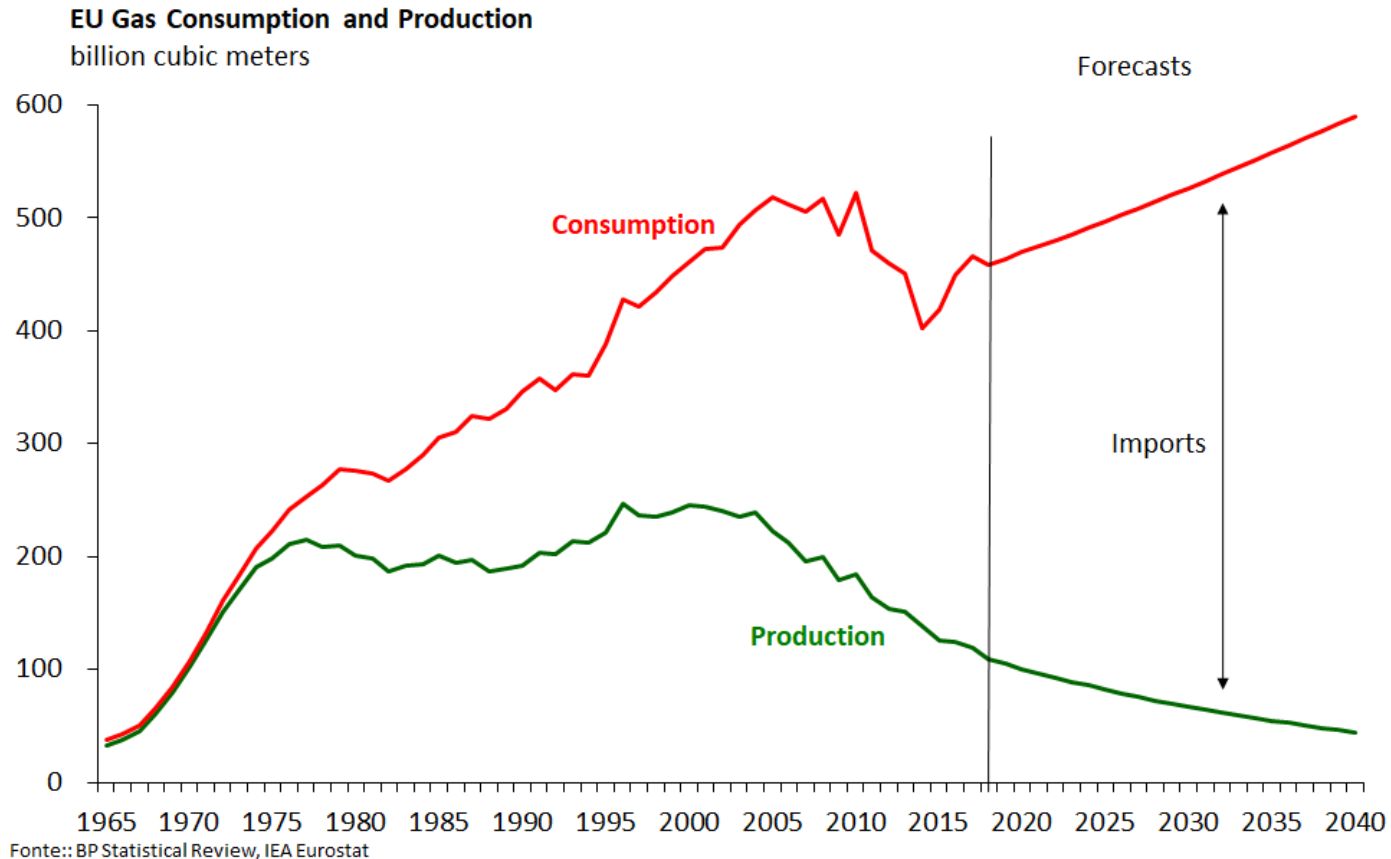
Rising energy demand, mostly fossil fuels

World Energy Consumption and Population

bln. TOE



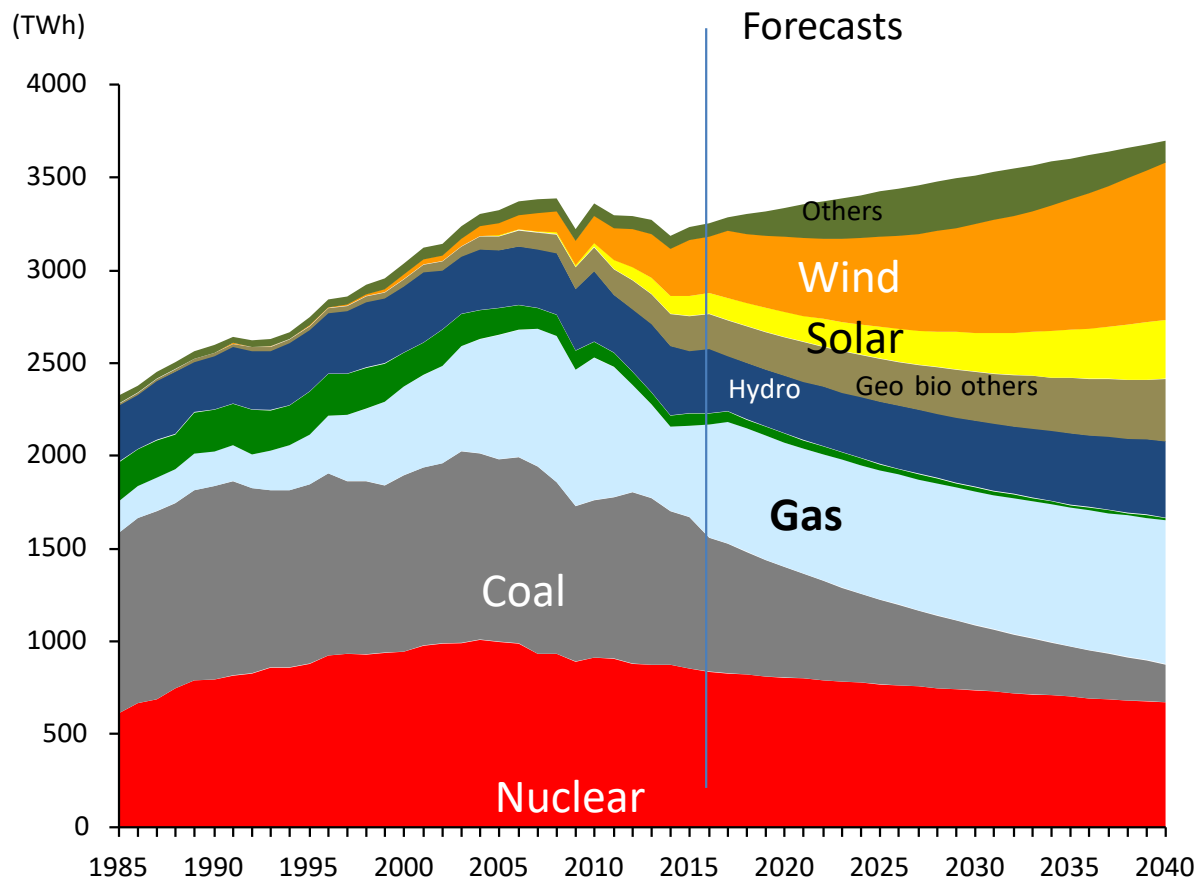
EU: demand, production and dependance on Russia



European gas consumption will rise due to the closure of various nuclear plants and the phasing out of coal. Production is rapidly decreasing. This means additional imports.

Gas will support the decarbonization process

EU, production of electric energy



Source: BP statistical review, Eurostat, NE Nomisma Energia elaboration

Gas will play a vital role in allowing renewable energy sources, like wind and solar, to strengthen their market positions.

Main gaslines towards Italy and Europe



Source

Three Entry Points for Natural Gas from the Med



Mazara del Vallo: operating since 1983, 2 expansions; : 36 billion cm capacity; 610 billion cm imported so far; 0 accidents. **The plant in Mazara del Vallo is the most similar to TAP.**



TAP: under construction, 10 billion cm capacity.

Gela: operating since 2006; 10 billion cm capacity; 90 billion cm imported over 14 years; 0 accidents



The Case of TAP, a Transit towards another Sea

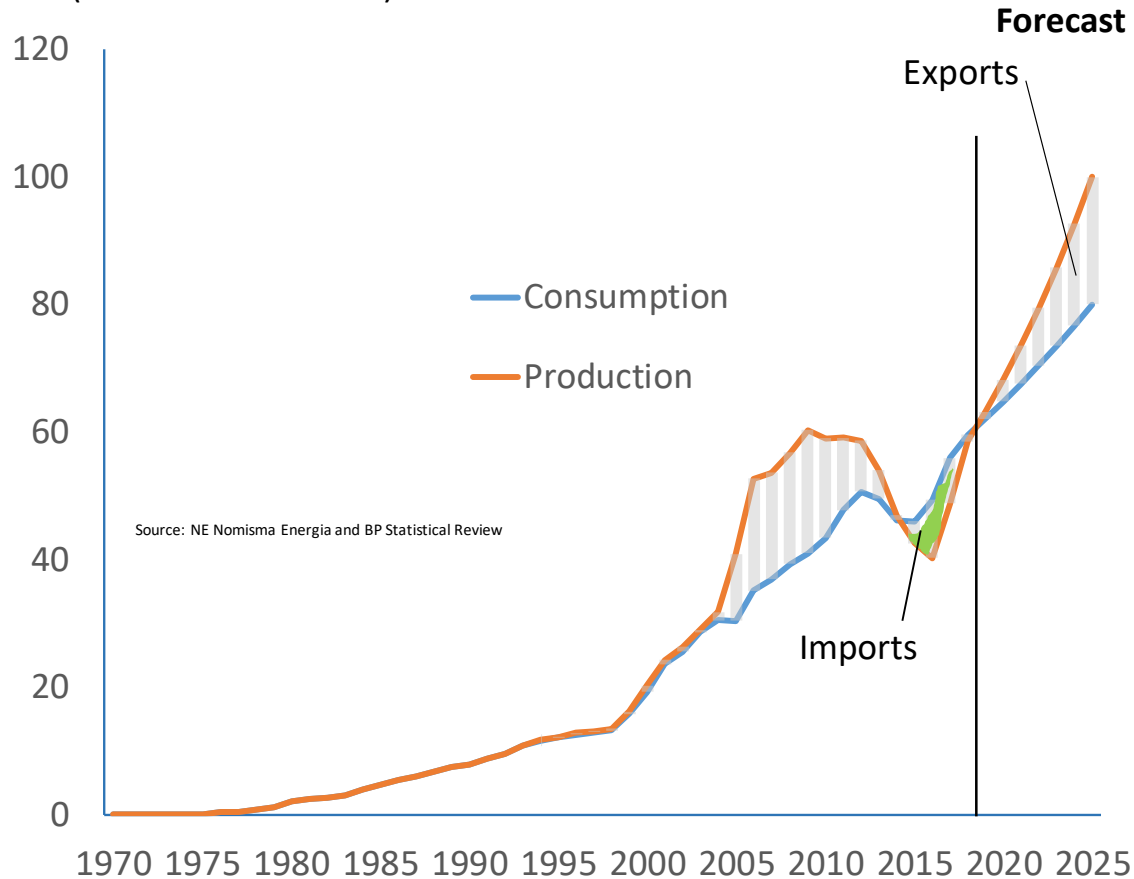
TAP is 3,500km long. Italy will host only 8km of pipeline. TAP is a strategic infrastructure and is one of the key European Projects of Common Interest for the Southern Gas Corridor. Total costs for the project are expected to exceed 40 billion dollars.



Source: TAP

Egypt's Experience with the largest Investment in the Med

Egypt: Gas Consumption and Production
(billion cubic meters)



An Egyptian Pound issued in 2019 to commemorate the investment of Zohr.



Egypt's development relies on the availability of additional gas sources.

Zohr is the largest field (world-wide) discovered during the last 20 years.

15 billion €Euro investment

Record lead time to the market:
2 years.

Fish Farming in Port Said, Egypt

Attività di acquacoltura



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA

**Sostenibilità in Egitto:
programma di acquacoltura
a Port Said**

Alessio Bonaldo

Dipartimento di Scienze Mediche Veterinarie
Centro Universitario di Produzioni Ittiche



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA