

### **LNG Outlook in EU and Baltic**

**Kwinten Standaert** 

Integration of the Baltic LNG market Stockholm, 2 December 2014



#### Who we are

 GLE is one of the three columns of GIE (Gas Infrastructure Europe), the European association of the Transmission, Storage and LNG Terminal Operators



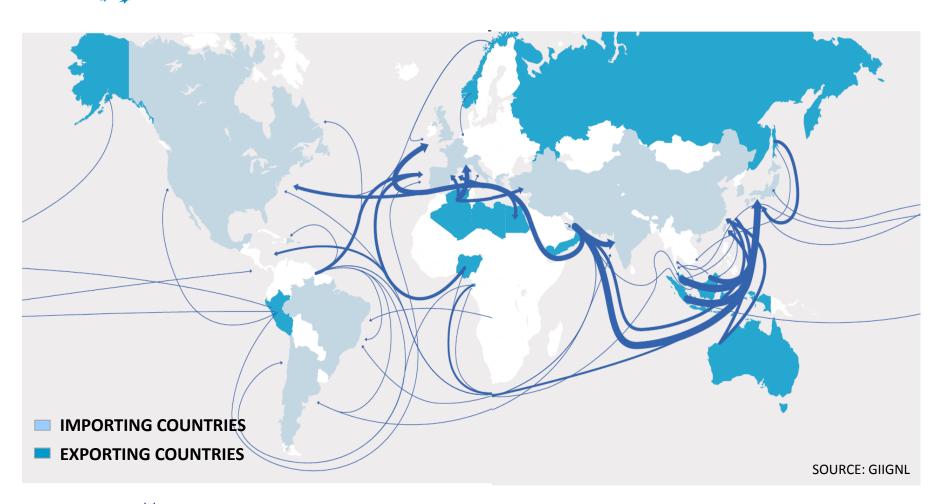
- GLE membership:
  - 16 member companies
  - 9 countries
  - 2 observers

GLE represents ca. 90% of regasification capacity in the EU





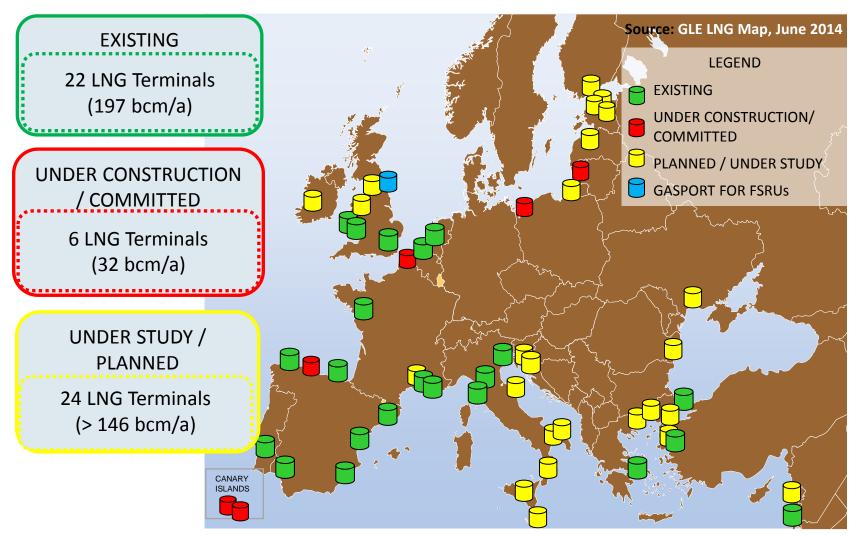
#### LNG maritime routes and trade



LNG makes worldwide gas reserves potentially accessible to Europe



## LNG terminals in Europe (large scale)



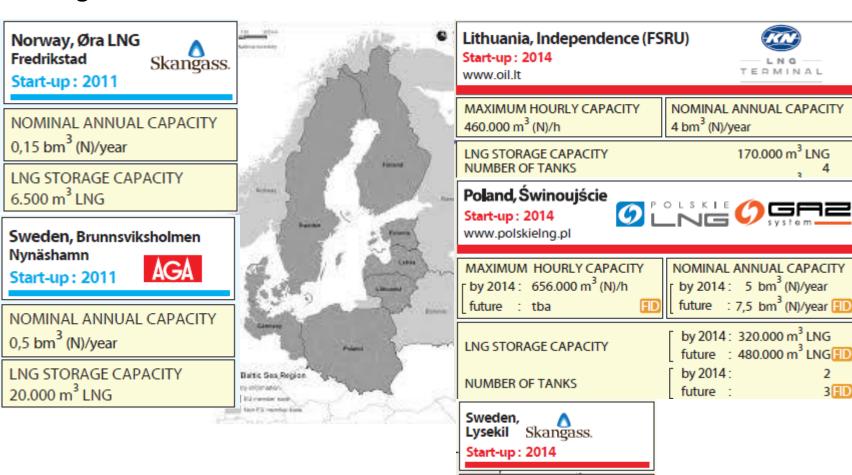
Detailed information on LNG terminals available at http://www.gie.eu/index.php/maps-data/lng-map



#### LNG terminals in the Baltic Sea

**Under construction** 

#### **Existing**



0,3 bcm/y

30.000 m<sup>3</sup> LNG Storage

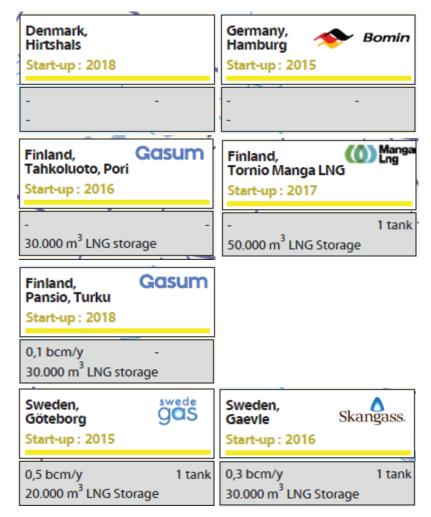


### Proposed LNG terminals in the Baltic Sea

#### Large-scale



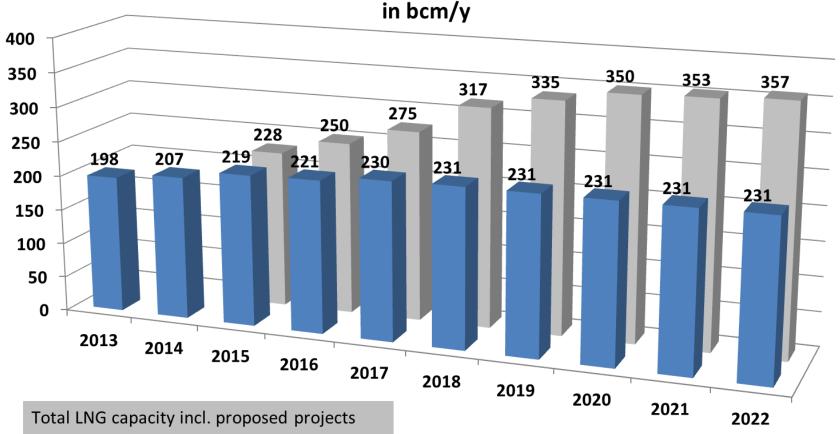
#### **Small-scale**





## Regasification capacity development

### Regasification Capacity in Europe in bcm/v



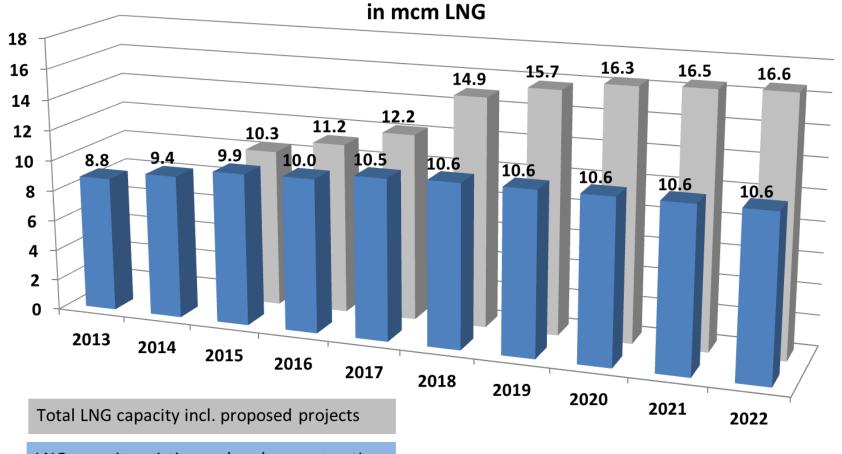
LNG capacity existing and under construction

Source: GLE LNG Investment Database, September 2014



## LNG storage capacity development

### LNG Terminals' Storage Capacity in Europe in mcm LNG



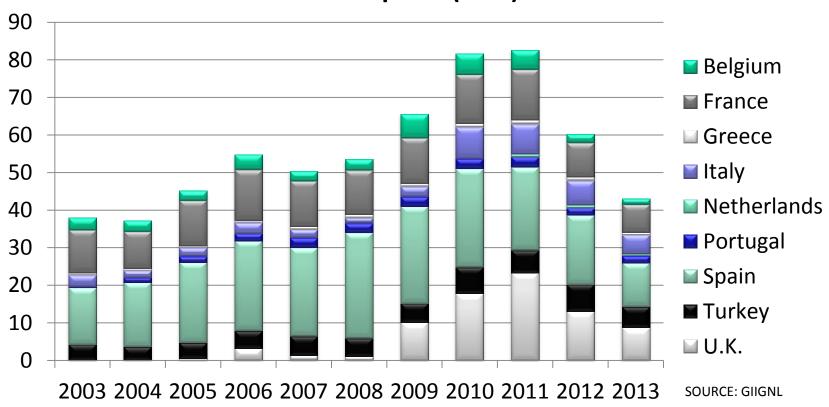
LNG capacity existing and under construction

Source: GLE LNG Investment Database, September 2014



### Low LNG imports to Europe continue

#### LNG imports (bcm)

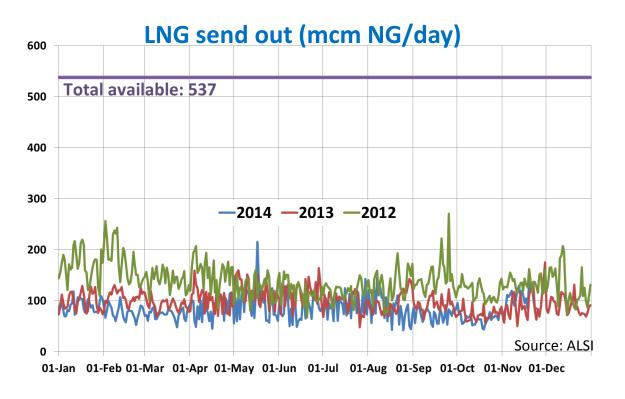


After 27% fall (22 bcm) between 2011 and 2012, new 28% fall (17 bcm) between 2012 and 2013



## Total send out capacity of large-scale LNG terminals: 185 bcm/year

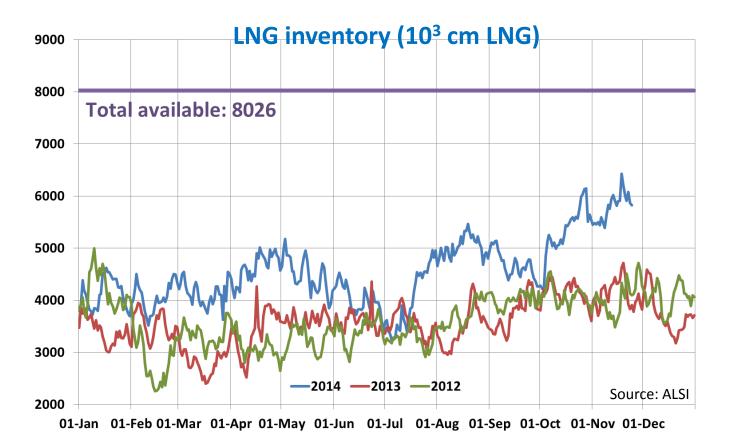
- On 3 December 2014, the Lithuanian LNG terminal is expected to be commissioned. It increases the EU annual regasification capacity by 4 bcm to 189 bcm
- In average just 16% of total daily LNG send-out used from January to November 2014





### **Higher LNG storage inventory in 2014**

- European LNG inventory as of 24 November 2014: 5.8 mcm LNG
- Lithuania will increase the European LNG storage capacity by 0.17 mcm to 8.2 mcm LNG

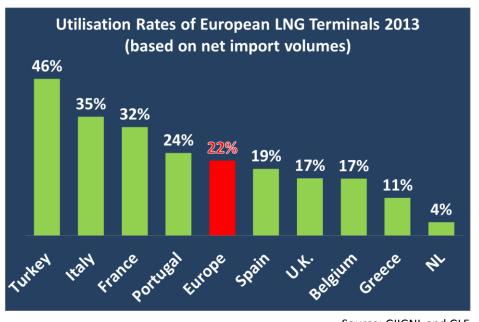




### A challenge for LSOs

Although acuteness of the situation may be different on each LNG terminal depending on technical or contractual characteristics, most LSOs share concerns regarding:

- management of "Minimum Send-out" to avoid the need for flaring
- management of inventory to maximize send-out on peak demand periods



Source: GIIGNL and GLE

If calculated on gross import volumes (i.e. before re-exports), the figures above would be improved for countries where cargoes have been reloaded. However, European average would not be significantly changed.

- management of maintenance and operation (e.g., reduced lifetime of all the rotating equipment results in increasing maintenance cost)
- and more generally, the organization of the LNG terminals



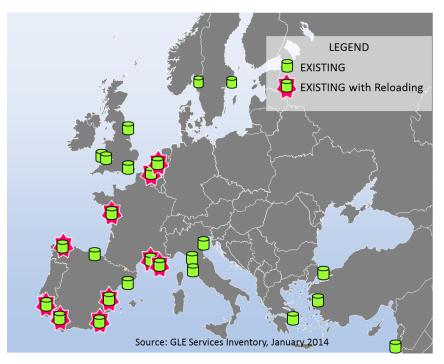
### Development of "new" LNG services continues

#### Reloading

- Transfer of LNG from the LNG tanks at the terminal into a vessel
- 10 LNG terminals have reloaded cargoes
- 12% of gross imports have been re-exported (6% in 2012) including to other EU countries

#### **Transhipment**

- Transfer of LNG from one vessel to another
- Offered in France, Spain and from 2015 in Belgium







## SSLNG services of terminal operators

#### **Loading of bunkering ships**

 LNG is loaded on bunkering ships which supply to LNGfuelled ships or LNG bunkering facilities for vessels

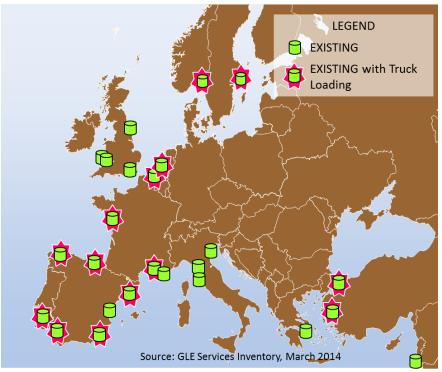
#### **Truck loading**

 LNG is loaded on tank trucks which transport LNG in smaller quantities

#### **Rail loading**

 LNG is loaded on rail tanks which transport LNG in smaller quantities







#### **Gas Naturally**

GN is a campaign to showcase the essential role of natural gas in the forthcoming energy revolution. The mitigation of climate change has become one of the most important issues for the gas industry.

# Thank you for your kind attention.

GIE - Gas Infrastructure Europe www.gie.eu

