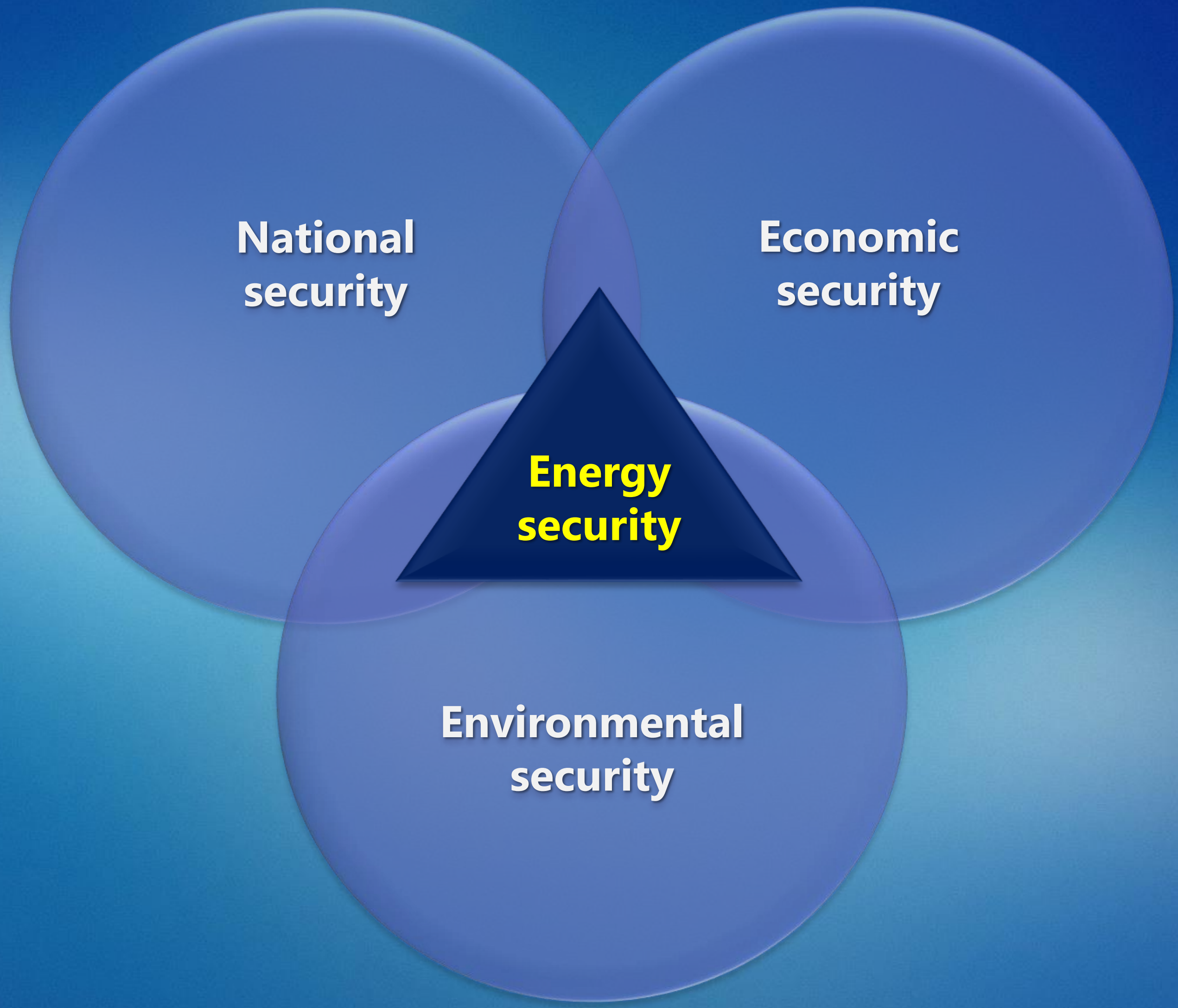
LNG as an alternative source to secure energy supply: future trends and lessons for Eastern Europe

Andrius Šimkus | Gas Expert | Energy Community Secretariat

First Workshop of EaP LNG Network

Warsaw, 20 February 2019


National security
Economic security
Energy security
Environmental security

availability of domestic energy sources

secured & well developed energy infrastructure

market opening, free access & competition

effective diversification of sources, routes & suppliers

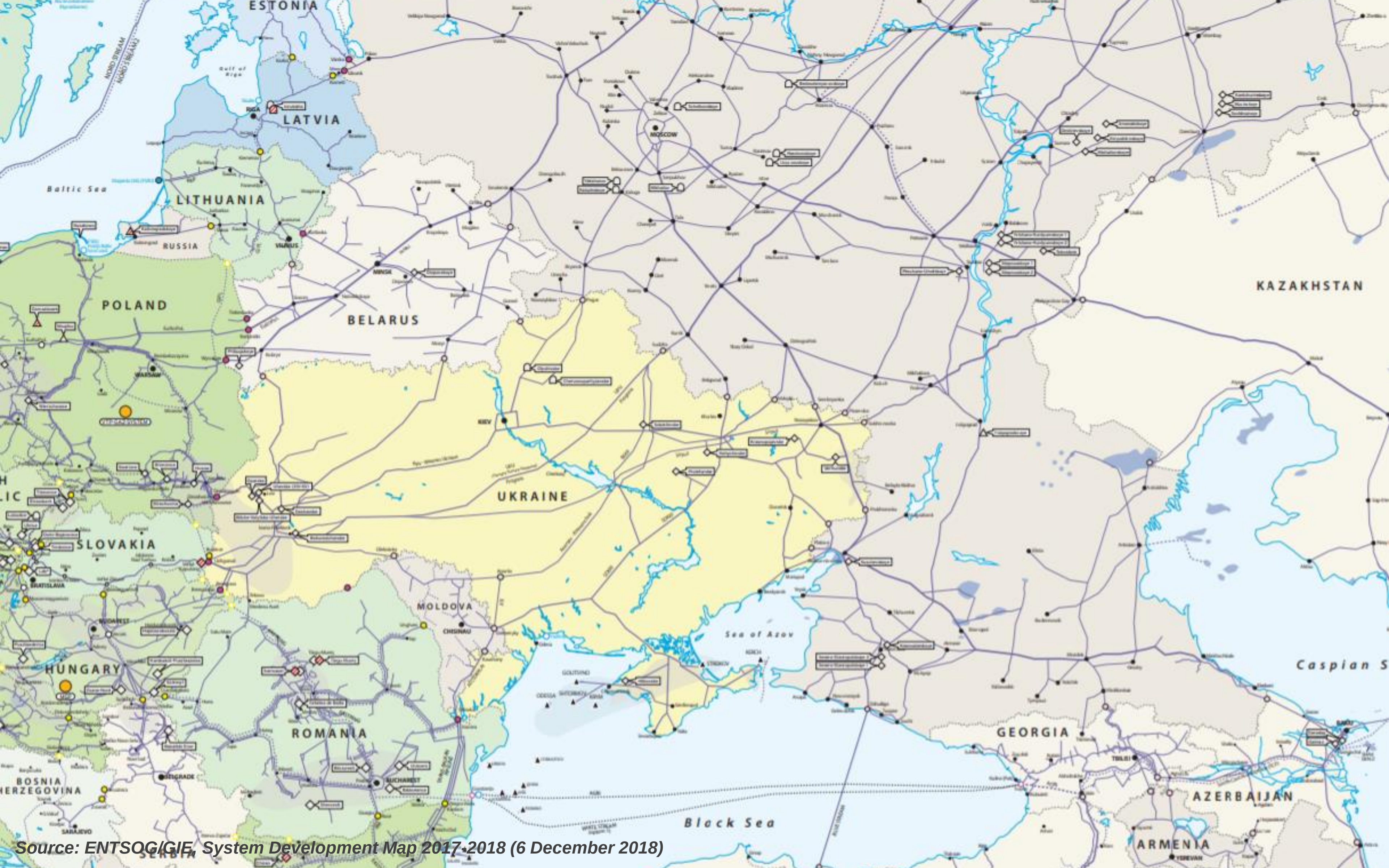
Energy security

market concentration: lack of competition & liquidity

geopolitical conditionality of secured supplies

dependency on a single external supplier

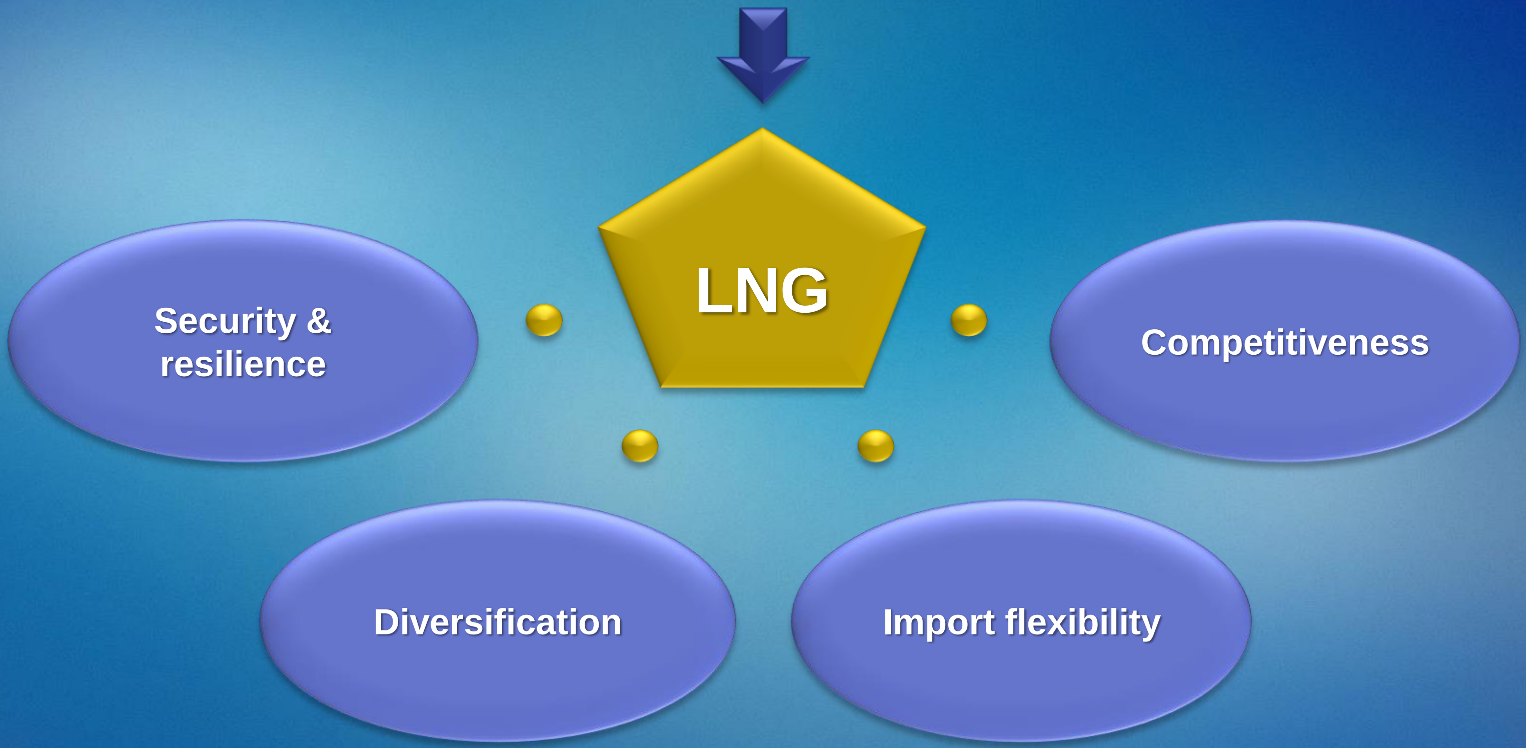
absence of or insecure routes of external supplies

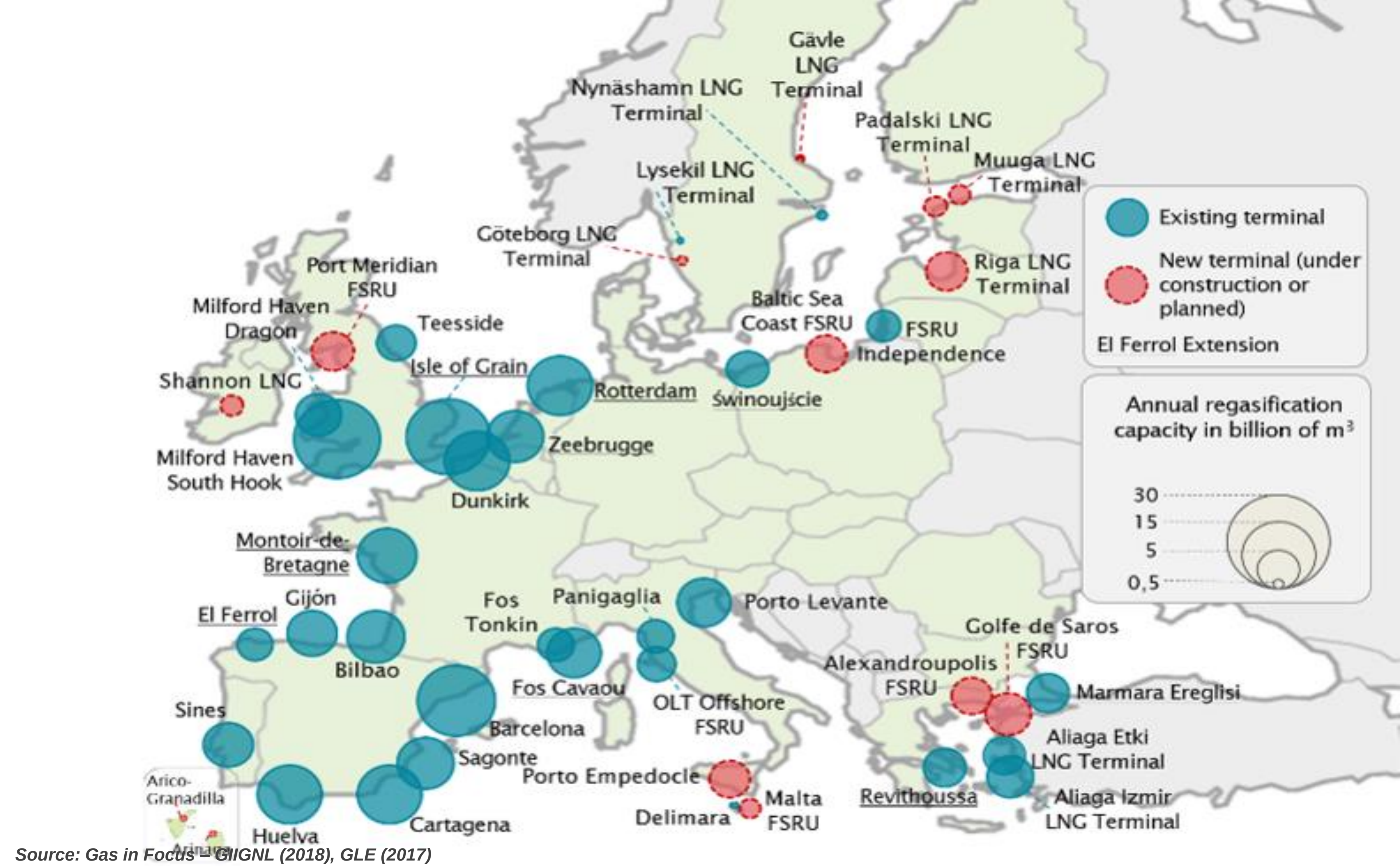


Source: ENTSOG/GIE, System Development Map 2017-2018 (6 December 2018)

EU strategy for LNG and gas storage

16 February 2016





Source: Gas in Focus – GIIGNL (2018), GLE (2017)


LNG
1. Infrastructure developments
2. Completing internal gas market
3. Extension to international markets
Access

Optimal distribution

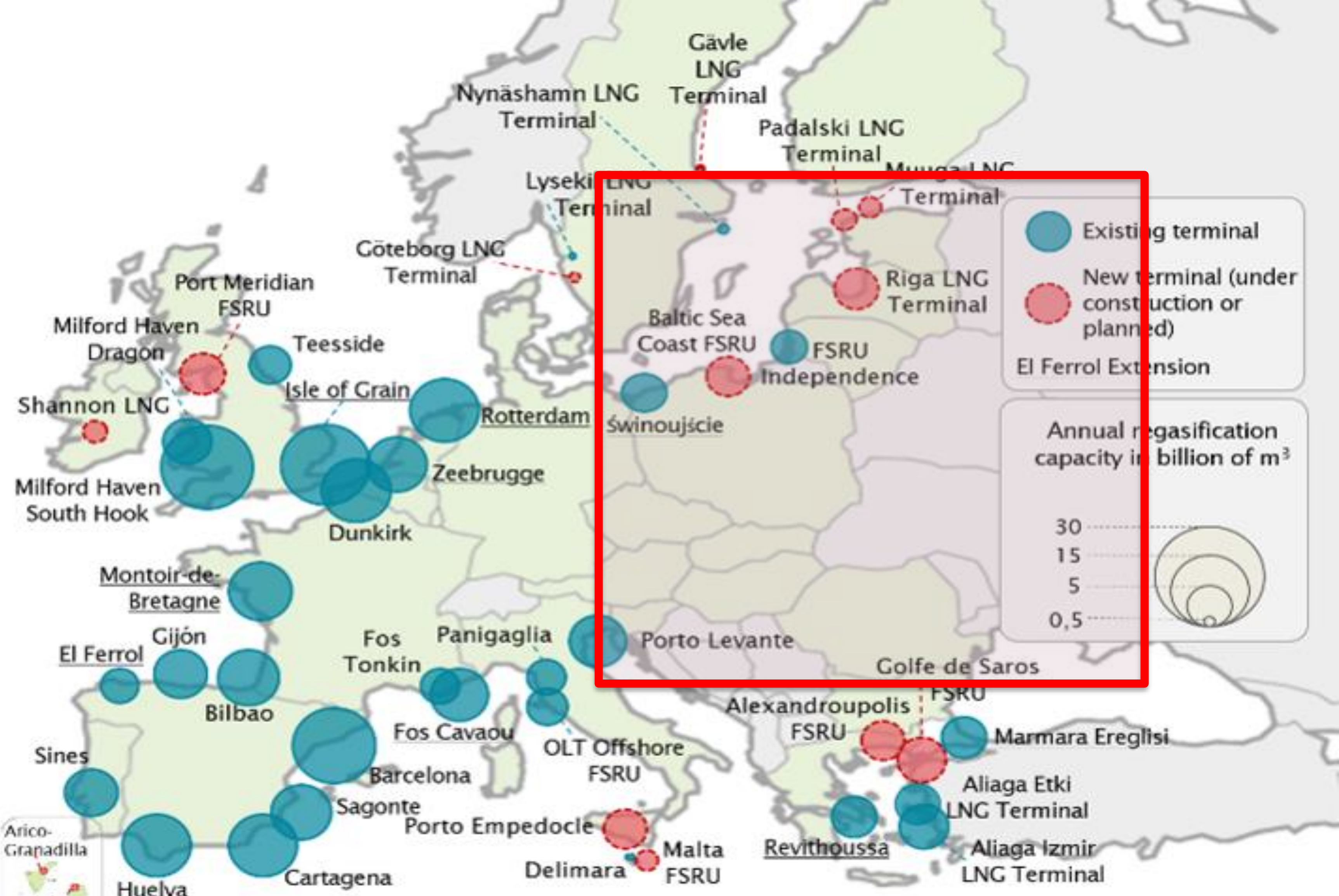
Utilisation
Liquidity

TPA services

Competition
New supply potential

Free trade

Globalization



Source: Gas in Focus – GIIGNL (2018), GLE (2017)

Świnoujście LNG

Onshore LNG terminal: 5 bcm/year

Klaipėda LNG

FSRU facility: 4 bcm/year

Business case

actual necessity
market access
investment potential
financial feasibility

business case vs. security

Security

energy dependence
diversification options
economic & social impacts
affordability & acceptance

Planned LNG Import Terminals in Europe

The following is a list of planned LNG import terminals in European countries that do not have an existing large-scale LNG import terminal.

COUNTRY	PROPOSED TERMINAL	DEVELOPER	INITIAL CAPACITY	POSSIBLE START-UP YEAR
Albania	Eagle LNG FSRU	Gruppo Falcone	8 bcm/year	-
Croatia	Krk Island FSRU	LNG Croatia	2 bcm/year	2019
Cyprus	Vassiliko FSRU	OceanFinance	–	2019
Estonia	Padalski LNG	Balti Gas	2.5 bcm/year	2020
Estonia	Muuga (Tallinn) LNG	Vopak	4 bcm/year	2019
Germany	Brunsbüttel LNG	Oiltanking, Vopak, Gasunie	5 bcm/year	2022
Ireland	Shannon LNG	Shannon LNG	2.7 bcm/year	–
Ireland	Cork LNG Terminal	NextDecade	–	–
Latvia	Riga LNG Terminal	AS "Skulte LNG Terminal"	5 bcm/year	2019
Romania	Constanta LNG	AGRI LNG	8 bcm/year	2025
Russia	Kaliningrad LNG	Gazprom	–	2019
Ukraine	Odessa LNG	KOLIN	5 bcm/year	–

Source: King & Spalding, LNG in Europe 2018, An Overview of LNG Import Terminals in Europe

Source: ENTSOG/GIE, System Development Map 2017-2018 (6 December 2018)

Thank you
for your attention!

www.energy-community.org