

SJWS#6 13 July 2016 Hotel Silken Berlaymont, Brussels

# **TYNDP 2017 Projects**

#### **TYNDP 2017 Transparency Process**

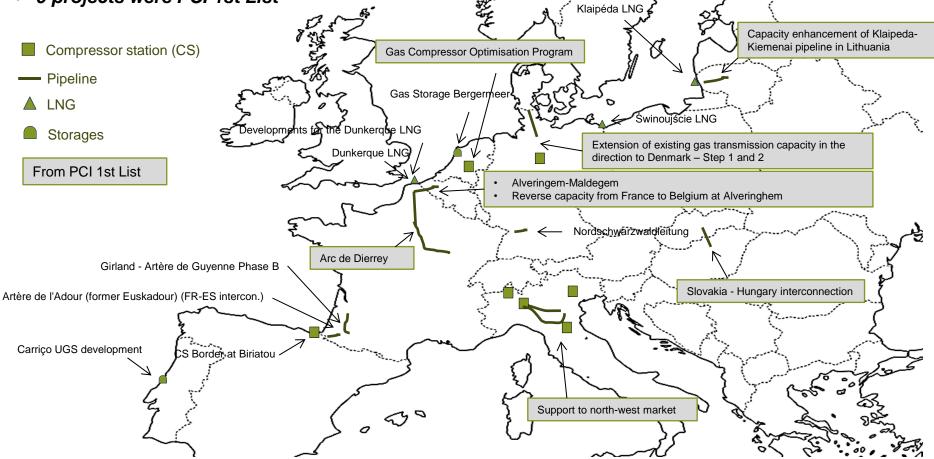
Stefano Astorri System Development Adviser

Image Courtesy of Thyssengas



## **Commissioned projects**

- > 19 projects commissioned since TYNDP 2015
- > 9 projects were PCI 1st List





### **Overview of TYNDP 2017 projects**

#### Significant project progress since **TYNDP 2015**

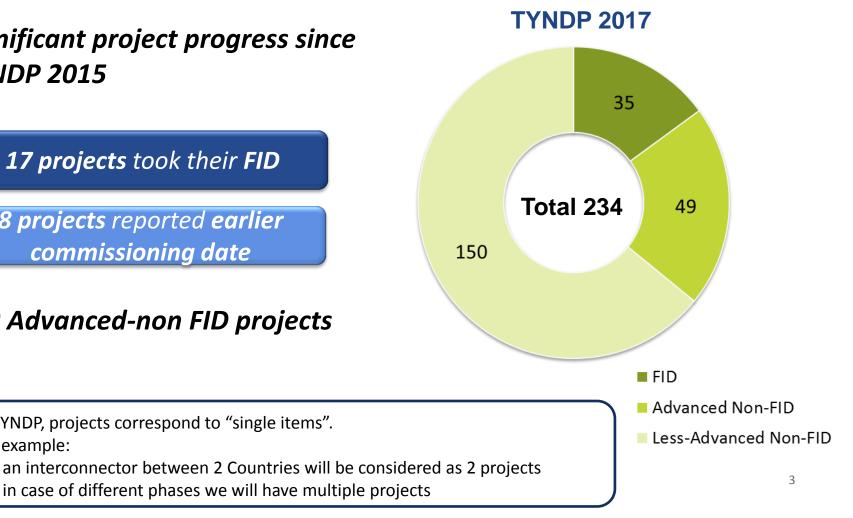
17 projects took their FID

8 projects reported earlier commissioning date

49 Advanced-non FID projects

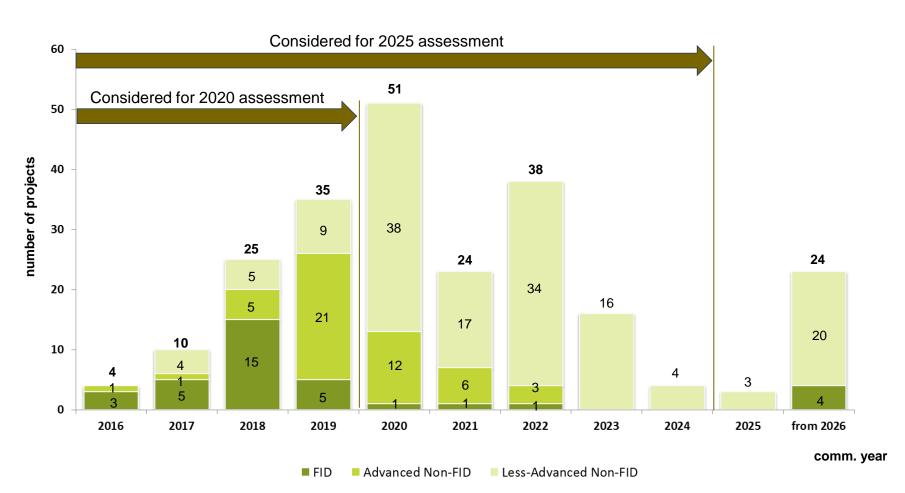
In TYNDP, projects correspond to "single items".

For example:



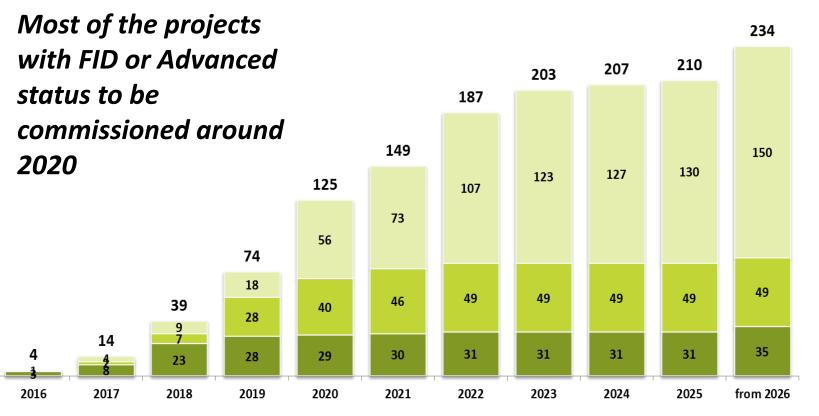


### **Projects per commissioning year**





## **Cumulative projects timeline**



comm. year

FID Advanced Non-FID Le

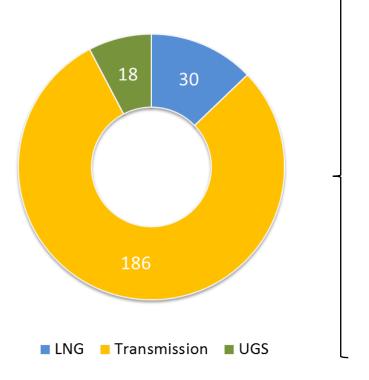
Less-Advanced Non-FID

number of projects

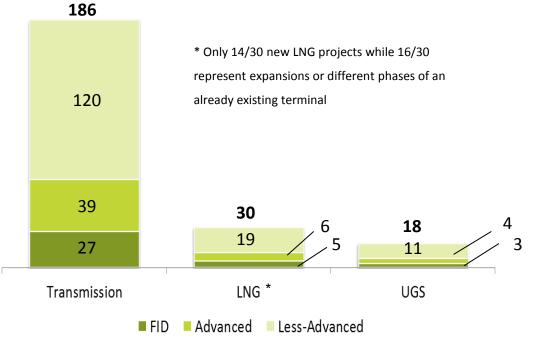
# Projects by type







#### projects by type and status

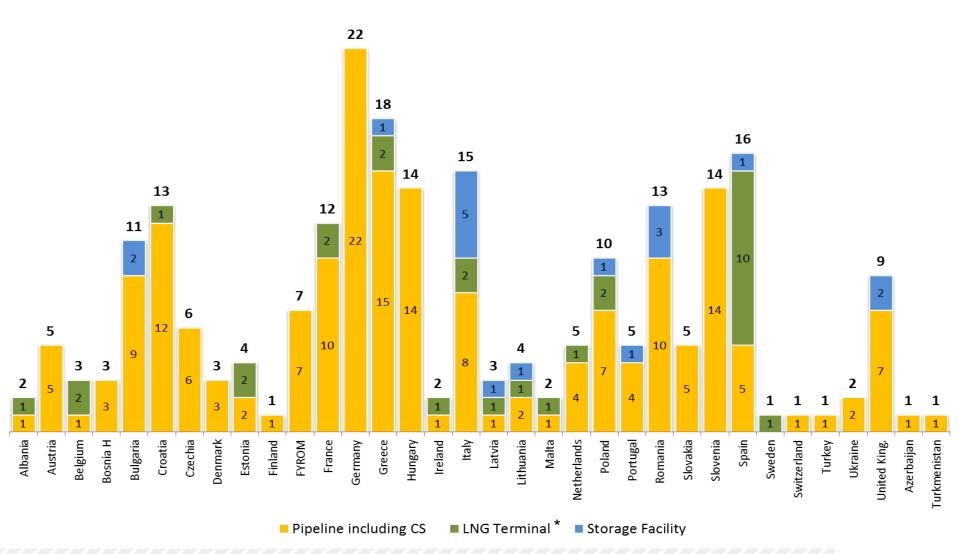


> 48 projects not modelled since:

- > 46 are internal projects
- > 2 outside TYNDP perimiter (SCP FX and Trans-Caspian)



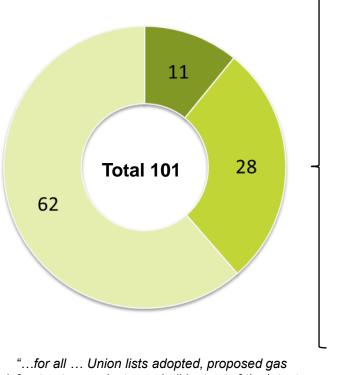
### **Projects by type and Country**



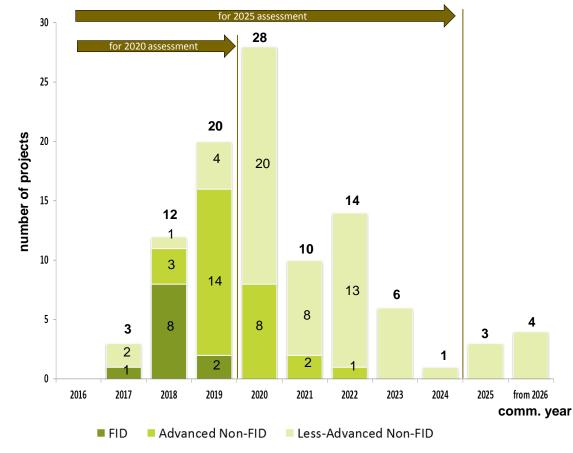


# entsog

#### submitted PCI projects in TYNDP 2017 by status



PCI projects per commissioning year



"...for all ... Union lists adopted, proposed gas infrastructure projects ... shall be part of the latest available 10-year network development plan for gas, developed by the ENTSO for gas...."

## **Projects per infrastructure level**



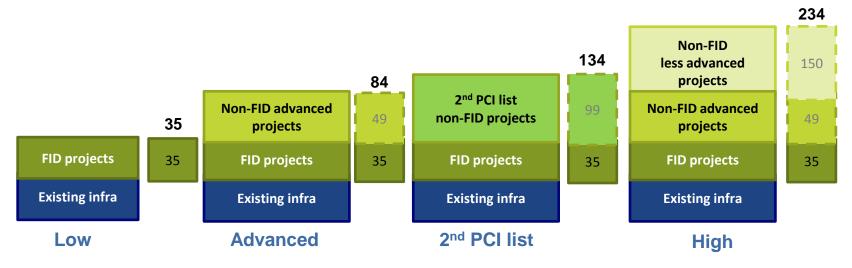
Four infrastructure levels modelled in TYNDP 2017

Assessment of the Infrastructure gap on the Low infra level

The TYNDP assesses if, as a whole, the projects belonging to each Infrastructure Level close the Infrastructure gap

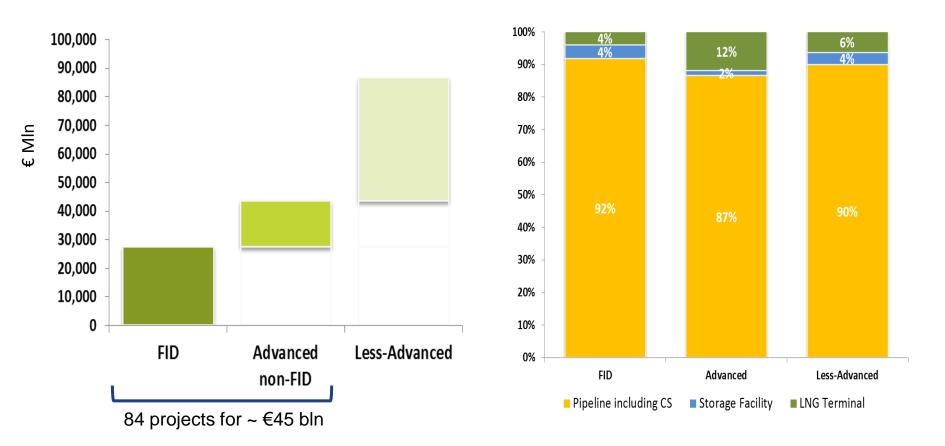
Advanced infrastructure level introduced in TYNDP 2017

> improved basis for grid development assessment and project-specific assessment





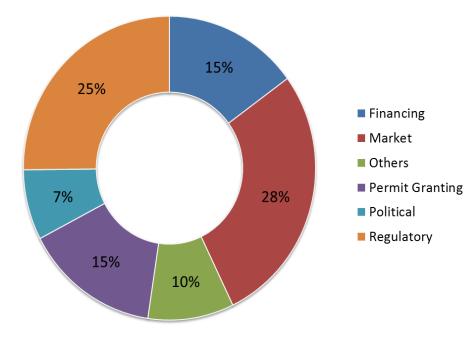
### **Project costs: an aggregated approach**



- > Info on costs provided with a range between min and max
- > FID and Advanced projects show a lower variation between min and max

### **Barriers to investment**





#### compared to TYNDP 2015, 54 projects were delayed (37 projects from PCI 2nd List) mainly due to

- > worsened and uncertain market conditions
- > delays in permitting/authorizations from competent authorities
- > lack of coordination between hosting Countries/political uncertainties
- > delays in contract award procedure
- > lack of funds/financing
- > delay resulting from concluded prefeasibility study



## **FID projects per Country**

#### 35 FID projects

- > 27 pipeline projects
- > 5 LNG projects
  - > 3 in Spain (Tenerife, Gran Canaria, Musel)
  - > 1 in Greece (Revithoussa)
  - > 1 in Belgium (Zeebrugge)
- > 3 storage projects in Italy





## **Advanced projects per Country**

# 49 Advanced non-FID projects

- > 39 pipeline projects
- > 6 LNG projects in
  - > Croatia (Krk project)
  - > Greece (Alexandroupolis)
  - > Latvia (Skulte)
  - > Estonia (Paldiski)
  - > Sweden (Gothenburg)
  - > Italy (Porto Empedocle)
- > 4 storage facilities
  - > 2 in Italy (Palazzo Moroni & Collalto)
  - > 1 in Latvia (Incukalns)
  - > 1 in Romania (Depomures)

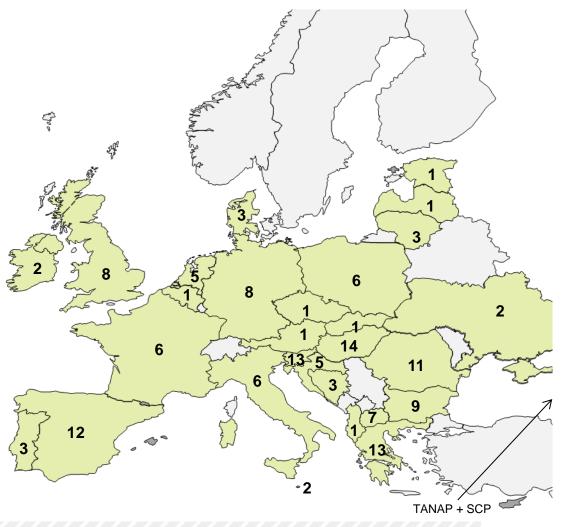




### Less-Advanced projects per Country

# 150 Less-Advanced projects

- > 120 pipeline projects
- > 19 LNG projects
- > 11 storage facilities





#### **Thank You for Your Attention**

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