

# Infrastructure Projects in TYNDP 2017

## Overview of the Data Collection Consideration in TYNDP 2017

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# Lessons learnt from previous TYNDP

## ***Lessons learned from data collection procedure***

- > Previous data collection procedure was organized in the wake of the new role of TYNDP
- > New aspects have arisen during the Project Collection phase
- > ENTSOG Handbook for the Data Portal will be improved
- > Project Promoter engagement and schedule-awareness should be improved
- > Responsibilities of the Promoters and ENTSOG have not always been clear cut and well documented: they will be clarified

***Processes have to be streamlined and documented and the defined schedule shall be observed.***

## ***Lessons learnt from previous TYNDP***

- > Coordination between promoters of related projects should be improved
- > Projects costs should be reported to be considered at aggregated level as part of the TYNDP assessment
- > Maturity of projects need to be better reflected

***New information will be requested as part of projects' submission. The Project Portal will help promoters to have a clearer view on coordination between projects.***



# Overview of the Project Data Collection



# Existing infrastructures

***Capacities of existing infrastructures will be collected by ENTSOG***

	Interconnectors	Storages	LNG terminals
IP capacities	TSOs	TSOs	TSOs
SSO / LSO capacities		Injection / withdrawal capacities: GSE map <i>(values will be checked against TSO values)</i>	Send-out capacities: GLE map
Deliverability curves		will be checked with GSE	
Working gas volume / LNG tanks		AGSI	GLE

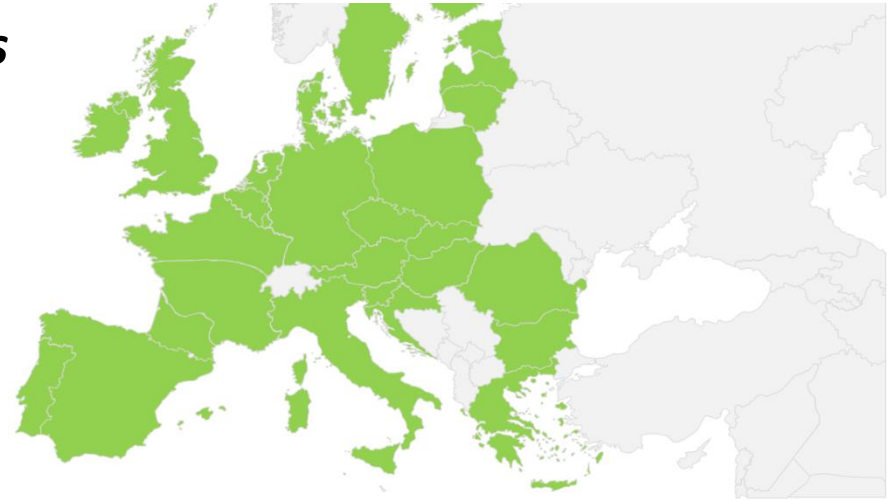
- > **Existing IP capacities on 1<sup>st</sup> January 2016** will be collected from TSOs
  - TSOs will be proposed with default values extracted from the Transparency Platform
  - Data collection from 27 January to 24 February

# Infrastructure Projects

## Project Types and Geographical Scope

### ***TYNDP gathers following projects***

- > Transmission projects of cross-border significance
- > LNG regasification terminals
- > UGS projects



### ***Geographical scope***

- > Projects entirely or partly located on the territory of EU28 countries or Energy Community Contracting Parties countries
- > Or impacting or developing capacities at the border of EU or of Energy Community Contracting Parties countries

*Further upstream projects may be considered in the Supply Potential of specific supply sources.*





# Data Collection: clarifying Responsibilities

## ***ENTSOG Responsibilities:***

- 1) Provide an interface for project submission;
  - Functionality to be defined in the ***Promoter Handbook***
- 2) Provide Project Data Validation opportunity for Promoters
  - The interface of the Data Portal will enable Promoters to monitor pre-defined data submission problems as described in the ***Validation Procedures*** document
- 3) Provide Project Capacity Monitoring opportunity for Promoters
  - **Reports 1-4** (ENTSOG Network Model – **ENR**, Operator Topology - **OTR**, Capacities before/after Lesser of Rule – **CbLR/CaLR** ) as described in the ***Promoter Handbook*** document enable Promoters to follow the impacts of submitted projects
- 4) ENTSOG undertakes to monitor certain submission errors, as described in the ***Monitoring Activities*** document
- 5) Provide definitions of the terms used within the process as defined in the ***Glossary***
- 6) Provide an unbiased treatment for all projects regardless of their type or geographical location, within the scope of the TYNDP.

***ENTSOG is not responsible for data and project coordination between Promoters and will not engage in data coordination; such practices from the previous Data Collection procedure will be discontinued***

# Clarifying responsibilities – Documentation Kit

## ***Promoter Responsibilities***

- 1) Submit project data within the schedule, which is accurate, exhaustive and up-to-date
- 2) Actively monitor submitted data issues as shown in the ***Validation Procedures*** document
- 3) Be aware of the way ENTSOG is modelling the Promoter's infrastructure in its network model, based on the **ENR** and the **OTR – Promoter Handbook** document
- 4) Check the lesser-of rule calculations applied to the project based on the **CbLR/CaLR** in terms of projected capacities, and if required contact infrastructure operators which are physically connected, in order to possibly amend the submission to reach harmonised projected capacities – **Promoter Handbook** document. This requires to actively monitor projected capacities and take corrective actions when deemed necessary by Promoter or adjacent operator to reach harmonised capacities
- 5) Be ready to take corrective action when approached by ENTSOG – **Monitoring Activities** document
- 6) Read and understand the documentation on project submission and its consequences – **Documentation Kit**





# Data Collection: Summary of Documentation

#	ENTSOG Responsibilities	Documentation	Promoter Responsibilities	#
1)	Interface for Project Submission	<b>Promoter Handbook</b>	Submit accurate, exhaustive and up-to-date data	1)
2)	Data Validation opportunity within the Data Portal	<b>Validation Procedures</b> document	Monitor issues regarding submitted data within the Data Portal	2)
3)	Capacity Monitoring opportunity within the Data Portal	<b>Promoter Handbook -</b> <b>ENR</b> - ENTSOG Network Model Report <b>OTR</b> - Operator Topology Report <b>CbLR</b> - Capacities before Lesser of Rule Report <b>CaLR</b> - Capacities after Lesser of Rule Report	-Be aware of ENTSOG handling of infrastructure -Be aware of Lesser-of Rule impact on submitted capacities -Contact physically connected infrastructure operators if required -Actively monitor projected capacities and take corrective actions if required	3) 4)
4)	Monitor certain submission errors	<b>Monitoring Activities</b> document	- Be ready to take corrective action when required by ENTSOG	5)
5)	Definition of Terms	<b>Glossary</b>	Understand project submission and consequences	6)
6)	Unbiased Treatment	<b>Documentation Kit - all documents above</b>	Understand project submission and consequences	6)



# Schedule of the Project Data Collection

	The week of											
	14 - March	21 - March	28 - March	04 - April	11 - April	18 - April	25 - April	02 - May	09 - May	16 - May	23 - May	30 - May
Publication of ENTSOG Documentation Kit	15/03/2016											
Information email and Press Release about ENTSOG Data Collection Procedure												
Account Validation and Creation Starts												
Data Collection - Project submission phase	11/04/2016 - 08/05/2016											
Data Collection - Checking Phase	09/05/2016- 25/05/2016											

## Changes in the collected data (1/2)

***To improve TYNDP, ENTSOG have changed collection of some of the project's data***

### ***Project's costs***

- > To ensure the Energy System Wide CBA, and following ACER Opinion, cost information will be requested from promoters: estimated CAPEX and OPEX, and promoters will have the possibility to provide CAPEX and OPEX range in %
- > Confidentiality:
  - the cost information submitted by promoters will be treated confidentially. It will not be accessible, even to ENTSOG staff
  - Costs will only be provided at aggregated level within the TYNDP. Individual project costs will not be identifiable



# Changes in the collected data (2/2)

## ***Project's maturity information***

- > The promoter will have to specify if the project have already been submitted to an NDP
- > If not, the promoter will be asked to give the reason why the project is submitted to the TYNDP
- > The promoter will be asked to provide the project schedule and to report on delays on Expected FID date or Expected Commissioning date compared to the previous TYNDP – there is no preset order in the project schedule, but common sense rules should be followed e.g. *No FID before Feasibility*

### Project Schedule

	Start	End
Pre-Feasibility		DD/MM/YYYY
Feasibility	DD/MM/YYYY	DD/MM/YYYY
FEED	DD/MM/YYYY	DD/MM/YYYY
Market Test		DD/MM/YYYY
Permitting	DD/MM/YYYY	DD/MM/YYYY
Supply Contracts		DD/MM/YYYY
FID		DD/MM/YYYY
Construction	DD/MM/YYYY	DD/MM/YYYY
Commissioning		YYYY
Date of grant obtention for studies/for works		
Potential delay compared to last TYNDP		
Delay Explanation		
<b>Comments about the schedule, including Realisation Conditions</b>		

## Changes in collected data (3/3)

***ENTSOG creates a project category "Capacity Modification" for projects which do not necessitate physical intervention***

- > These will only be shown in the Annex.
- > Cases can include:
  - Future demand capacity recalculation
  - Dynamic storage behaviour
  - Shifting of capacity between IPs
  - Decrease of capacity due to degradation
  - Decrease of capacity due to field depletion
  - Technical Agreements between TSOs
  - Etc...



# Project information used in TYNDP modelling

***The following information is the minimum set of data which is necessary to enable ENTSOG to simulate a project***

Transmission Projects	LNG Project	UGS Project
Project Name		
Project Promoter Name		
Capacity Modification or actual Investment Project		
FID Status		
PCI Status		
Commissioning Year		
Incremental Capacity on the given IP	LNG Send out capacity = Incremental Capacity on the given IP	Injection and Withdrawal capacities = Incremental Capacity on the given IP
	Incremental LNG Tank volume	Incremental working volume
The given IP		
Flow Direction		
Modelled Project Variant Selected if several variants are submitted		
Elements within Project Schedule and inclusion in National Development Plan to be retained for the definition of project maturity		
Confirmation of the Disclaimer		





# Data Portal Preview – Home Page



BROWSE PAGE



Data Platform Reports File Upload Master Data Data Collection Portals Administration

- Projects
- Increments (Entsog Admin)
- Request Operators Creation
- Request Points Creation
- Reports on projects
- Announcements

## Welcome



Currently Collecting Data for **TYNDP 2017**  
 196 Days Remaining

## European Network of Transmission System Operators for Gas

### Information

307 planned projects (104 FID, 203 Non-FID)  
 133 currently PCI  
 176 applying for PCI label  
 Last updated saved on 11/11/2015 12:04:42

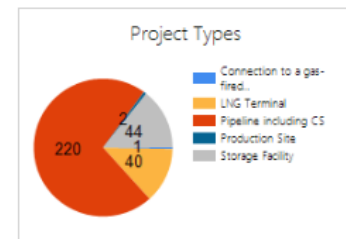
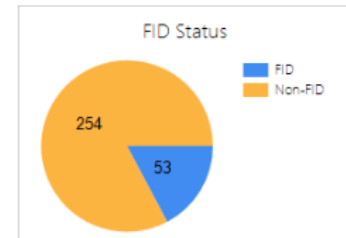
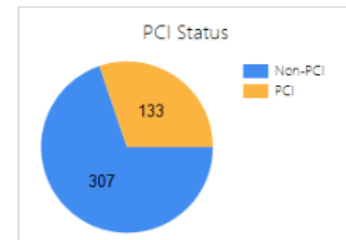
### Alerts

Projects	Major	2
Projects	Minor	86
Increments	Major	126
Increments	Minor	46

### Further Information

See the [Network Model of ENTSOG](#)  
[Check the Topology of your Operators](#)

## Charts





# Data Portal Preview – Operators Topology



Data Platform > Data Collection Portals > ReportsOnProjects

Actions | | | | 1 of 1 | |  Find Next | 100% |



## Operator Topology

11/17/2015 12:12:35 PM

Displaying the network topology of your commercial operator(s)

[Before Lesser-Of Rule >>](#)

<b>Cross-Border Transmission IP between EU and Non-EU</b>		1
<a href="#">Oltingue (FR) / Rodersdorf (CH)</a>	<input checked="" type="checkbox"/> Operational	
<b>Cross-Border Transmission IP between EU and Non-EU (import)</b>		1
<a href="#">Dunkerque</a>	<input checked="" type="checkbox"/> Operational	
<b>Cross-Border Transmission IP within EU</b>		6
<a href="#">Blaregnies (BE) / Taisnières (H) (FR) (Segeo/Troll)</a>	<input checked="" type="checkbox"/> Operational	
<a href="#">Blaregnies L (BE) / Taisnières B (FR)</a>	<input checked="" type="checkbox"/> Operational	
<a href="#">Jura</a>	<input checked="" type="checkbox"/> Operational	
<a href="#">New IP France/Luxembourg</a>	<input checked="" type="checkbox"/> Planned	
<a href="#">Obergaillbach (FR) / Medelsheim (DE)</a>	<input checked="" type="checkbox"/> Operational	
<a href="#">Porto-Vecchio</a>	<input checked="" type="checkbox"/> Planned	ITs>FRc exit from Snam Rete Gas S.p.A. entry to GRTgaz
<b>Distribution Point</b>		2





# Disclaimer for Project submission



***ENTSOG will develop a disclaimer to confirm promoters' responsibilities as shown in the presentation***

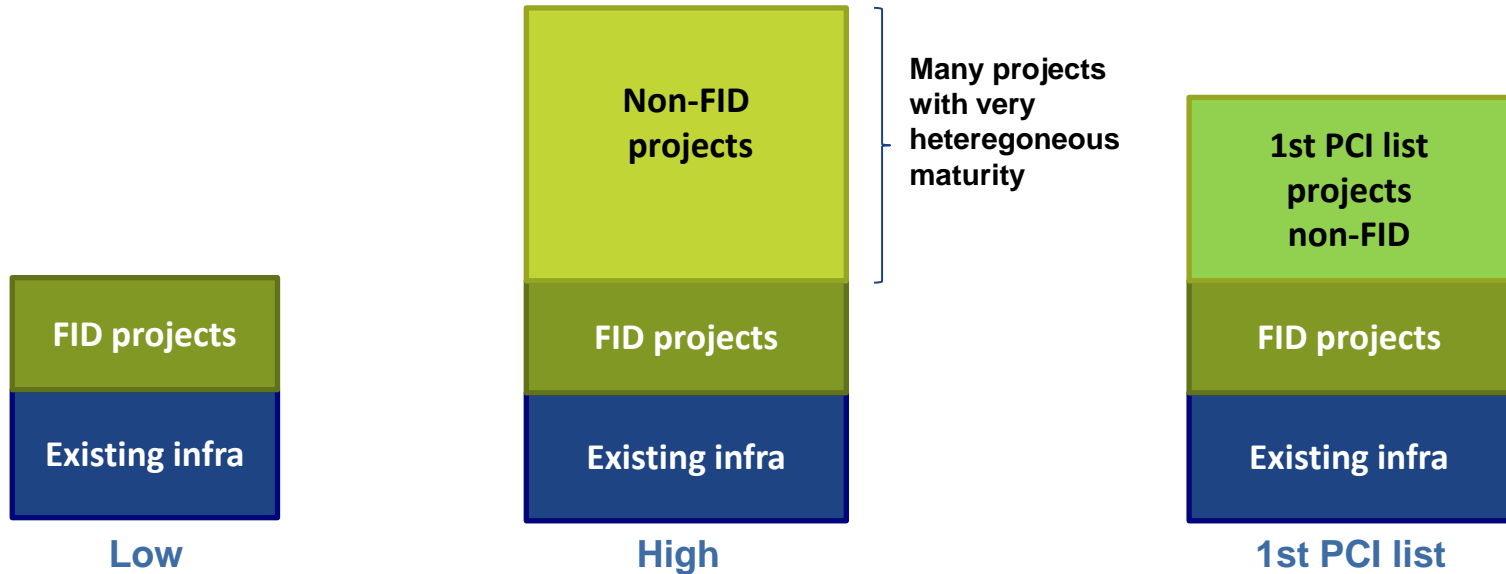
- > For each project's submission, the Promoter will have to agree to the disclaimer to validate the submission of its project
- > The disclaimer itself will be presented in a later SJWS



# Consideration of projects in TYNDP



# Infrastructure Levels in TYNDP 2015



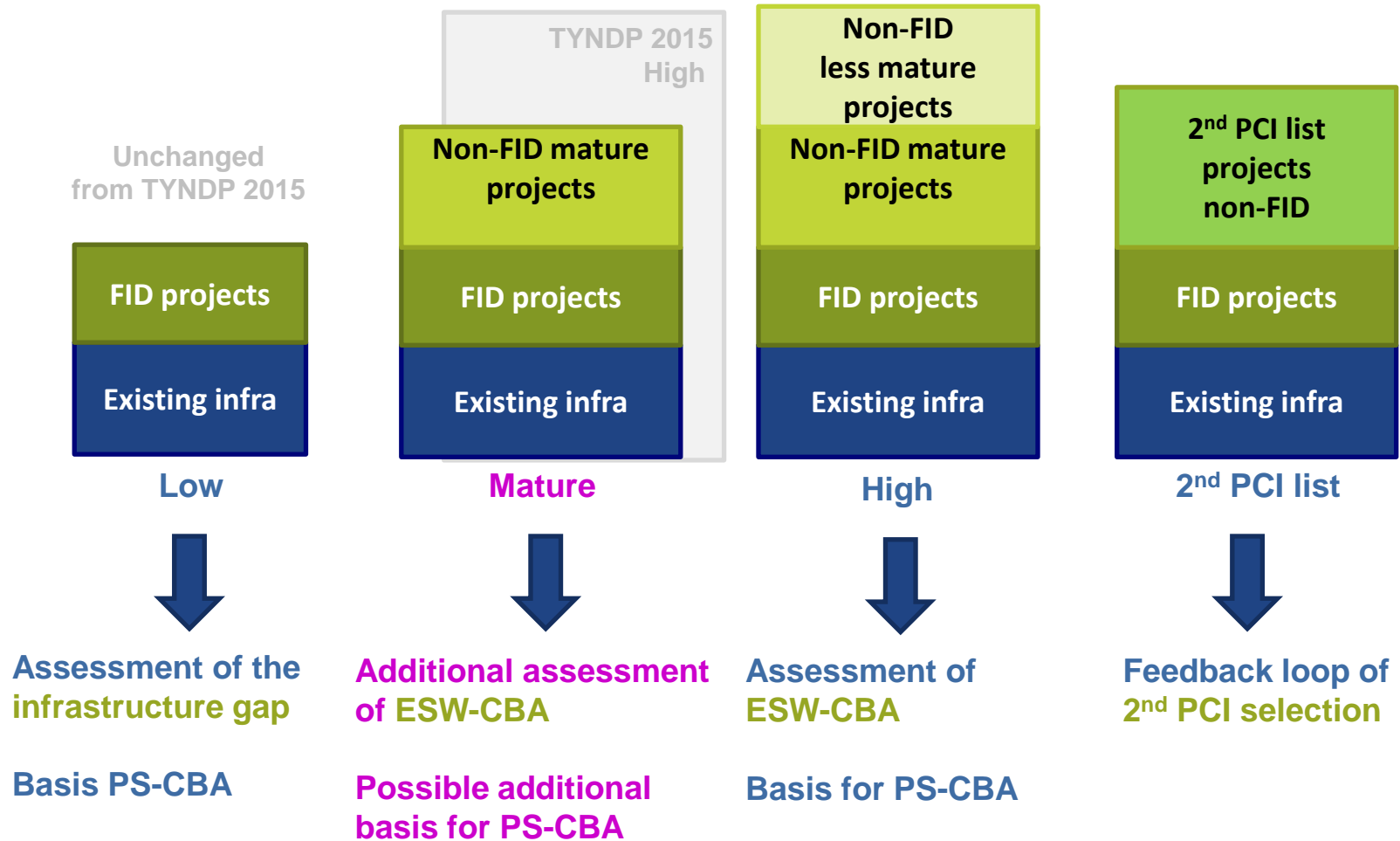
## ***ENTSOG supports a better consideration of projects' maturity***

- > In TYNDP 2015, the High Infrastructure Level has appeared unrealistic and has proved inefficient for PS-CBA





# Infrastructure Levels in TYNDP 2017



**For TYNDP 2017, ENTSOG proposes to introduce a *Mature Infrastructure Level* based on a maturity criterion for non-FID projects**



# Maturity criterion



## ***ENTSOG preliminary thoughts***

- > ENTSOG considers that the following elements could be considered to define the maturity criterion for non-FID projects
  - Project part of the national development plan
  - Feasibility study achieved
  - Permitting started

***ENTSOG encourages EC and ACER to give their views and make propositions on such maturity criterion***



# TYNDP assessment years



***TYNDP assessment will be performed on following years***

- > 2017, 2020, 2025, 2030, 2035
- > For each infrastructure level, relevant projects commissioned by year N-1 will be considered for assessment of year N



# Thank You for Your Attention

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