

# TYNDP 2018 Project Collection

## Timeline and improvements

**Stefano Astorri**  
**Adviser, System Development**



**1. Why submit projects to TYNDP?**

**2. What type of projects can be submitted and timeline**

**3. Project submission general principles and responsibilities**

**4. Overview of main collected information**

**5. Assessment of projects in TYNDP 2018**



## **Why submit projects to TYNDP?**



# Why submit project to TYNDP?

*A non-binding Community-wide ten-year network development plan (TYNDP) that aims at developing a European supply adequacy outlook and an assessment of the resilience of the gas system, **including the identification of the investment gaps by identifying where missing infrastructure prevents achieving the pillars of the internal energy market (Reg. 715/2009).***

It is important to submit projects to TYNDP

- > to ensure an accurate and robust assessment of infrastructure gaps and how future infrastructure will mitigate the identified investment gaps
- > to transparently provide information to policy makers and stakeholders
- > as a prerequisite to apply for inclusion in the Union list of projects of common interest (PCIs)
- > to receive cost-benefit analysis when intending to apply for the PCI label



# **What type of projects can be submitted to TYNDP 2018 and timeline**

# What types of projects can be submitted to the TYNDP?

Through ENTSOG Project Portal:

## > Gas transmission pipelines

- with the purpose to transmit gas and/or renewable gas to/from an interconnection point
- enablers of a pipeline transmitting gas and/or renewable gas to/from an interconnection point
- internal projects relieving internal bottlenecks to submitted with the concerned topology

## > UGS facilities

- new/upgraded UGS facility connected to a gas transmission system

## > LNG facilities

- new/upgraded LNG facility connected to a gas transmission system

By email to ENTSOG\*:

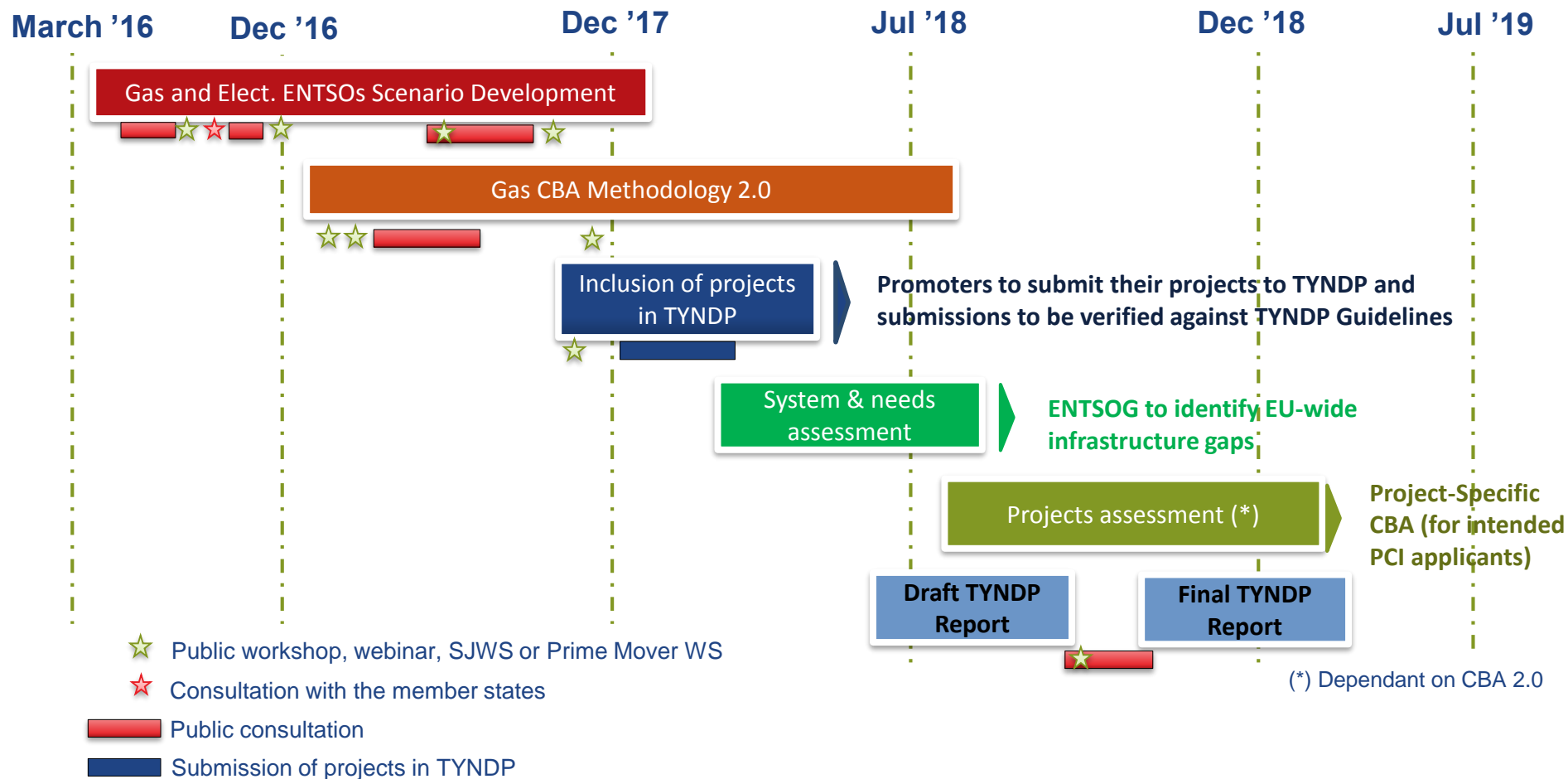
! These projects will not be assessed but represent a useful information as part of the TYNDP exercise

- > Projects supporting renewable gas penetration (e.g. Power-to-gas facilities - P2G) connected to a gas transmission pipeline

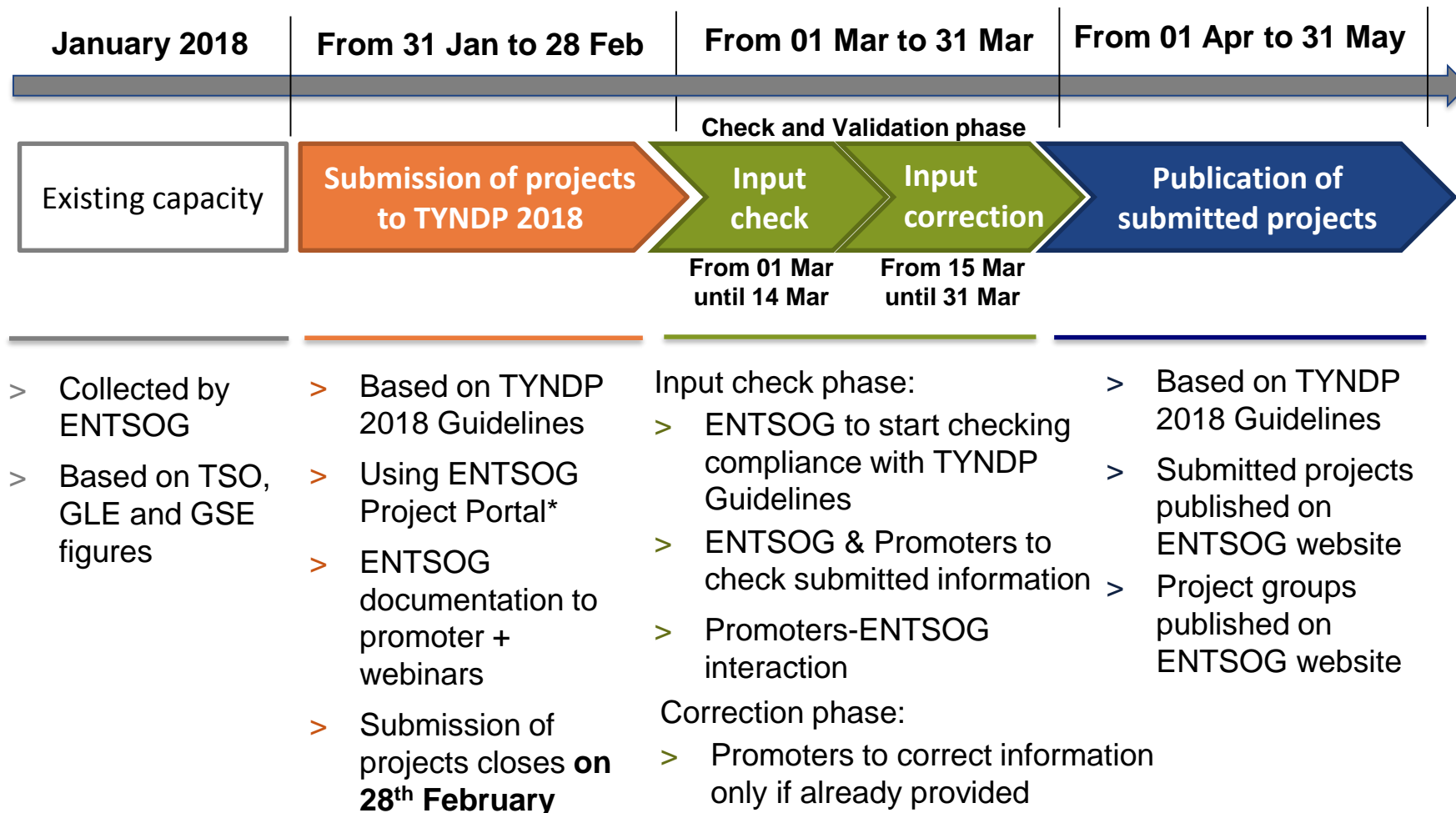




# Gas TYNDP 2018 main steps



# When to submit a project for inclusion in the TYNDP?





# What happens when a project is submitted?

## *Project collection split in different phases*

- 1 Submission phase (31 Jan – 28 Feb)
  - projects to be resubmitted even if already in TYNDP 2017
  - new projects can be submitted (through ENTSG project portal)
- 2 Project consistency check (01 Mar – 14 Mar)
  - during this period check in view of correction in phase 3
  - both ENTSG and promoters can check the submitted information
  - promoters-ENTSG/promoter-promoter interaction on identified errors
- 3 Project consistency check (15 Mar – 31 Mar)
  - where needed promoters can correct submitted information in phase 1



NEW promoters to ask  
ENTSG for credentials

Check and  
Validation phase

***From 1st April ENTSG Project portal will be closed and it will not be possible to change submitted information***



# **Project submission general principles and responsibilities**



# Project submission: general principles

- > Online web-portal (ENTSOG Project Portal) with user authentication
- > For projects already submitted to previous TYNDP, questionnaires will already **include latest version of project data**
- > Nevertheless promoters will have **to re-submit the project** reconfirming the its application
- > Missing to fill **mandatory information** will prevent promoters to submit their projects (mandatory information will be specified in the Documentation Kit)
- > Promoters **can fill in their questionnaires in multiple sessions**, with the portal saving the unfinished version as a draft
- > **Segregation of the data**: project promoters only have access to their data and eventually data that concern their network (adjacent capacity increments)
- > **Project information cannot be updated** after closure of the Project Portal
- > Portal is permanently online and promoters have always the chance to **export the project information**



# ENTSOG responsibilities



- > **Provide an interface for project submission and related documentation kit**
  - functionality to be defined in relevant documentation
- > **Provide Project Data Validation interface for Promoters**
  - the interface of the ENTSOG Project Portal will enable Promoters to monitor pre-defined data submission problems
- > **Provide Project Capacity Monitoring interface for Promoters**
  - Different reports: ENTSOG Network Model, Operator Topology, Capacities before/after Lesser of Rule
- > **Monitoring phase - ENTSOG to**
  - check promoters compliance with TYNDP "Guidelines for inclusion of projects " (TYNDP Guidelines)
  - monitor certain submission errors and inform promoters
- > **Provide a non discriminatory treatment for all projects**
- > **To define and apply a project collection timeline compliant with a timely development of TYNDP 2018**



# Promoters responsibilities

- > **Fulfill both administrative and technical criteria** as defined by the TYNDP Guidelines\*
- > **Submit project data within the schedule** - accurate, exhaustive and up-to-date
- > **Actively monitor submitted data issues**
  - check submitted input and correct them when wrong
  - capacities Before and After Lesser-of-Rule and engage with other promoters if amendments are required
- > **Be aware of how the projects fit in ENTSOG topology** (reports available)
- > **Take swift corrective actions** when approached by ENTSOG
- > **Read and understand the documentation** on project submission and its consequences

***Promoters are responsible to check/correct information within the timeframe and engage with related promoters***



# **Overview of main collected information**





# Lesson from the past...

From the latest Project Collection and TYNDP

- > Avoid last minute changes...
  - **coordination among promoters** should be improved
  - **project portal will be closed** after the validation phase
- > **Project costs** should be always reported by promoters
  - to be considered at aggregated level in TYNDP
  - additional publication requirement for projects intending to apply to PCI ([slide 17](#))
- > Enhance consistency check between **National Development Plan** and **TYNDP**

Additionally, project collection to be adapted in view of

- > implementation of **TYNDP Guidelines** (compliance with criteria)
- > implementation of **CBA Methodology 2.0** (e.g project grouping)



# ENTSOG Project Portal



- > As for TYNDP 2017, **Project Portal** to gather the following main information
  - promoter information: company, TSO/Third party, commercial operator
  - project general & technical information (per type of project): hosted country technical description; capacities; commissioning date; FID status and maturity (etc.)
  - project implementation schedules
  - whether the project is in the National Development Plan
  - project cost information: CAPEX; OPEX; range (+/- %)
  - relevant information from latest PCI List and intention to apply to the 4<sup>th</sup> PCI process
- > Additional information will be collected
  - to improve monitoring of projects
  - in regards to the ongoing Incremental Capacity Process
- > To support promoters' submissions ENTSOG will provide **documentation kit** and organise **webinars** where questions will be further detailed
- > Promoters are invited to start looking at the already available **TYNDP 2017 Documentation Kit** ([here](#))



# Project submission



- > As for TYNDP 2017, promoters will be tasked with **submitting its own projects** through ENTSOG Project Portal (e.g. section A of interconnector A-B), including
  - investment items (e.g. compressor stations)
  - different phases

**NEW!**

- > For promoters whose project submission is part of the following categories
  - interconnections of 2 or more MSs that involve at least 2 promoters
  - LNG terminals + pipe
  - UGS + pipeline

...the natural question when submitted its own project will be: what about the other part of the project? Did the other project promoter submit its own part?

- > Promoters will be therefore asked to indicate whether their submission is part of one common “functional project” (e.g. interconnector A-B) – This will:
  - improve monitoring of the submissions and promoters coordination
  - facilitate project grouping for PS-CBA
  - provide streamlined information to stakeholders



# TYNDP Guidelines criteria



**NEW!**

**Project collection template to include specific questions to check of promoters and projects` compliance with TYNDP Guidelines criteria** (Guidelines available [here](#))

## **Administrative criteria**

- > in the Project Portal submission templates promoters will be asked to
  - indicate the project category they fall in (e.g. A1; B1; etc.)
  - select all the administrative *pass-fail criteria* and attach concerned documentation
  - indicate which administrative *alternative criteria* they comply with and attach the concerned documentation when required
- > Those information will be used by ENTSOG to check promoters compliance with Administrative Criteria

## **Technical criteria**

- > information to be provided through ENTSOG Project Portal: technical description; indicative location (map); project data



# Cost information



Cost information refer to planned CAPEX, OPEX and cost ranges (+/- %)

**NEW!**

## In TYNDP 2018

- > promoters` costs submission will be **mandatory**
- > costs will be published **unless declared confidential** by promoters but...
- > ... for promoters **intending to apply to PCI** alternative cost estimates **will be published in the TYNDP** to ensure transparency and level-playing field
  - either provided by promoter or established by ENTSOG (e.g. using Unit Investment Costs)



# **Project assessment**

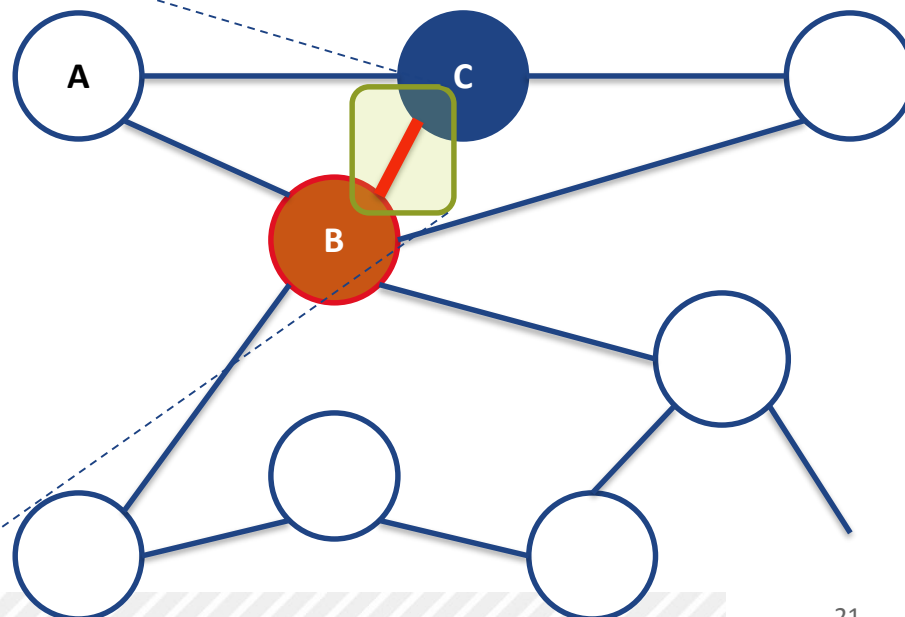
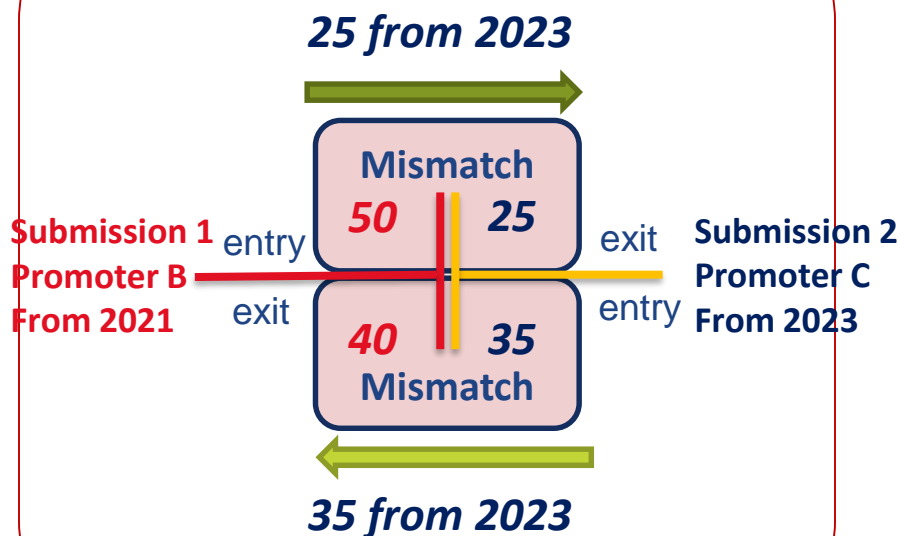




# How does data submission translate into project assessment

- > The minimum information to enable the assessment of the Project are :
  - Interconnection Point (existing or new); Capacities; Commissioning Date; FID or ADVANCED status;
- > The “**lesser-of-rule**” will be applied on the capacities submitted by promoters

Point X between country **B** and **C**





# Project status

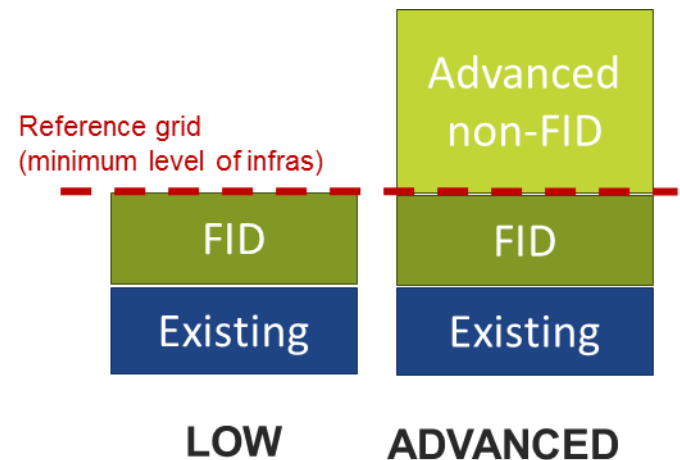


- > Depending on their **level of maturity** projects are categorized along different status (please refer also to CBA Methodology 2.0)
- > Each project status is directly **derived from the information provided** by its promoter in the process described above
  1. **FID**: projects having taken the final investment decision ahead of TYNDP project collection
  2. **Advanced non-FID** : projects that have
    - commissioning year expected at the latest by 31st December of the year of the TYNDP project data collection + 6 (e.g. 2024 in case of TYNDP 2018, for which projects are collected in 2018)AND
    - whose permitting phase has started ahead of the TYNDP project data collectionOR
    - FEED has started (or the project has been selected for receiving CEF grants for FEED ahead of the TYNDP project data collection)
  3. **Less-Advanced non-FID**: all projects which do not meet the above criteria



# System & Infrastructure gaps assessment

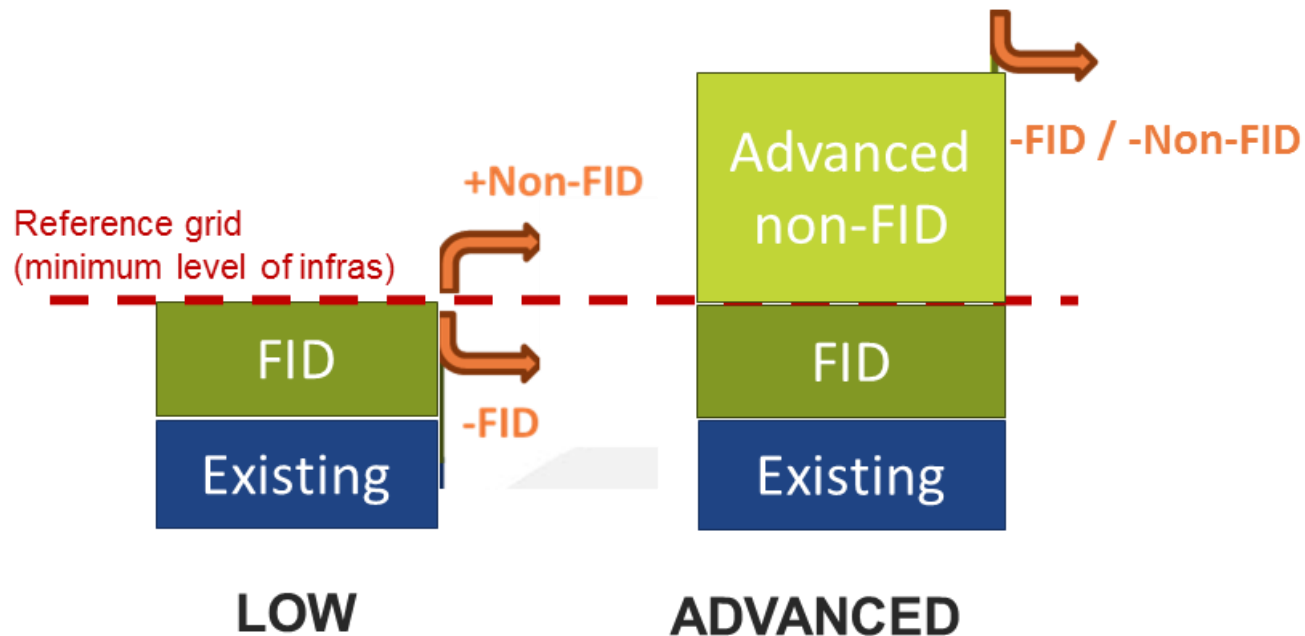
- > Project status are a pre-requisite for the definition of the **infrastructure levels**
- > An infrastructure level represents the **potential level of development of the European gas network system**
- > An infrastructure level formed by existing infrastructure and projects with FID status (LOW infrastructure level) represents therefore a **credible minimum set of infrastructure**
- > The identification of **infrastructure gaps** is based on the LOW level
- > The assessment of the ADVANCED infrastructure level provide **complementary perspective** in the analysis of the European energy market





# Project-specific assessment (PS-CBA)

- > Based on its status, project-specific assessment is carried **with/without each project (or project group)** for both infra levels
- > It measures the **incremental impact** (based on the CBA Methodology 2.0)

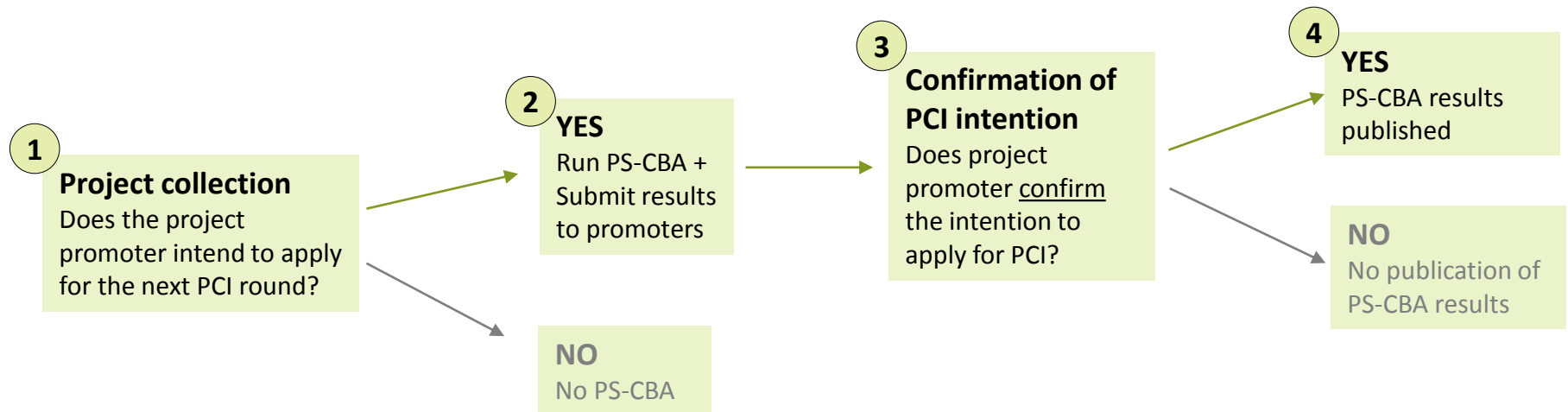


## Grouping for project-specific assessment (PS-CBA)

- > Often, a number of functionally-related project items **need to be implemented for their benefit(s) to materialise or to be fully captured**
- > Grouping of projects represents therefore a **prerequisite** the for project-specific assessment
- > CBA Methodology (Annex 1) proposes guidelines to support the identification of **reasonable project groups**
- > ENTSG will define the groups for PS-CBA based on the **most recent approved PCI List and the CBA Methodology guidelines**
- > Defined **project groups will be published** in line with ENTSG TYNDP Guidelines

# Project-specific assessment (PS-CBA) process in TYNDP 2018

- > ENTSOG CBA Methodology 2.0 proposes inclusion of the **project-specific assessment (PS-CBA)** in TYNDP and **publication of results in the TYNDP Report**



**!** PS-CBA will be run only on projects for which promoters have stated the intention to apply to PCI in point **1**





## Conclusion



- > ***Project collection will start on 31 January 2018***
- > ***Projects can be submitted until 28 February 2018***
- > ***Submissions to be done through ENTSOG Project Portal***
  - > Detailed Documentation Kit will be provided to promoters to support their submission
- > ***ENTSOG will screen projects vs TYNDP Project Guidelines***
- > ***ENTSOG will carry out in the TYNDP process also the PS-CBA for projects intending to apply for PCI (incl. project grouping)***
- > ***PS-CBA results will be published in the TYNDP Report***



# Thank You for Your Attention

Stefano Astorri  
Adviser, System Development

ENTSOG -- European Network of Transmission System Operators for Gas  
Avenue de Cortenbergh 100, B-1000 Brussels

EML: [Stefano.Astorri@entsog.eu](mailto:Stefano.Astorri@entsog.eu)  
WWW: [www.entsog.eu](http://www.entsog.eu)



# Useful links



- TYNDP 2017 page

<https://www.entsog.eu/publications/tyndp#ENTSOG-TEN-YEAR-NETWORK-DEVELOPMENT-PLAN-2017>

- TYNDP 2017 projects and documentation kit

<https://www.entsog.eu/public/uploads/files/publications/TYNDP/2017/ENTSOG%20TYNDP%202017%20Annex%20A%20-%20Infrastructure%20Projects.zip>

[https://www.entsog.eu/public/uploads/files/publications/TYNDP/2016/TYNDP042-16%20Project%20Data%20Portal%20Documentation%20Kit\\_ver1\\_2.zip](https://www.entsog.eu/public/uploads/files/publications/TYNDP/2016/TYNDP042-16%20Project%20Data%20Portal%20Documentation%20Kit_ver1_2.zip)

- TYNDP 2018 page

<https://www.entsog.eu/publications/tyndp#ENTSOG-TEN-YEAR-NETWORK-DEVELOPMENT-PLAN-2018>

- TYNDP Implementation Guidelines

[https://www.entsog.eu/public/uploads/files/publications/TYNDP/2017/TYNDP%202018\\_DRAFT\\_practical\\_implementation\\_guidelines.pdf](https://www.entsog.eu/public/uploads/files/publications/TYNDP/2017/TYNDP%202018_DRAFT_practical_implementation_guidelines.pdf)

- CBA Methodology 2.0

<https://www.entsog.eu/publications/cba-methodology#2ND-CBA-METHODOLOGY>