

### **TYNDP Assessment**

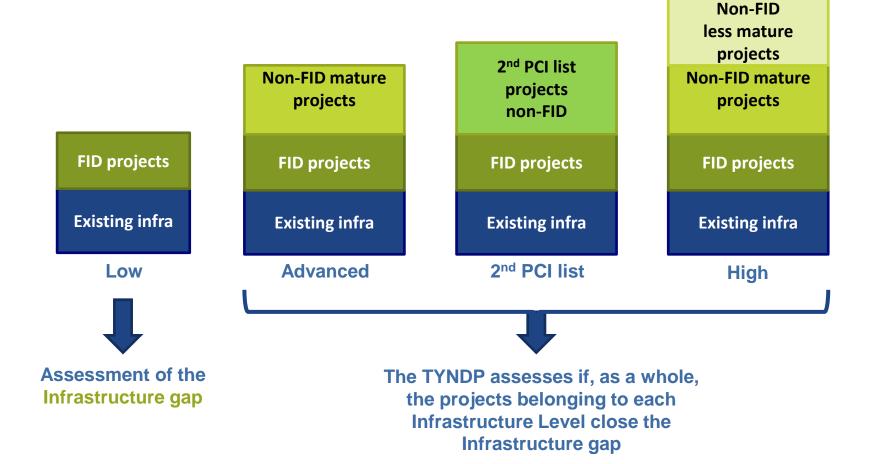
Wrap-up

**ENTSOG System Development Area** 

## TYNDP assessment



### The assessment is performed for the different Infrastructure Levels







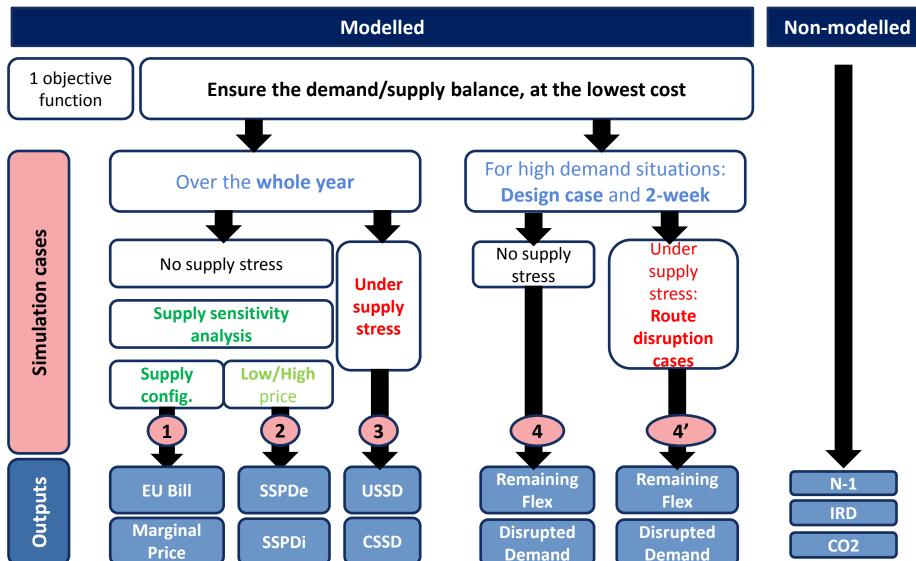
### The TYNDP assessment frame is defined by the CBA methodology

#### It is a multi criteria assessment

- > Aiming at assessing the projects along a wide range of potential benefits
- > Aiming at assessing the situation along the criteria defined by Reg. 347

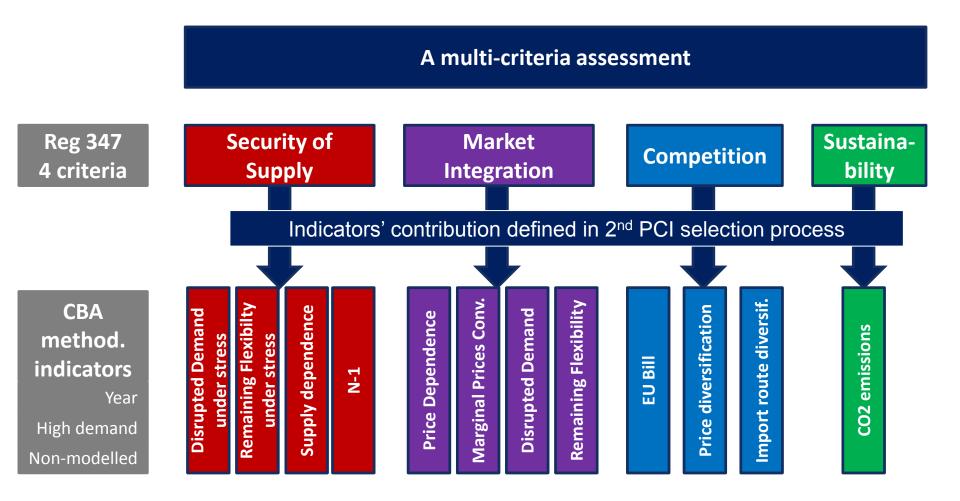
### TYNDP is a multi-criteria assessment





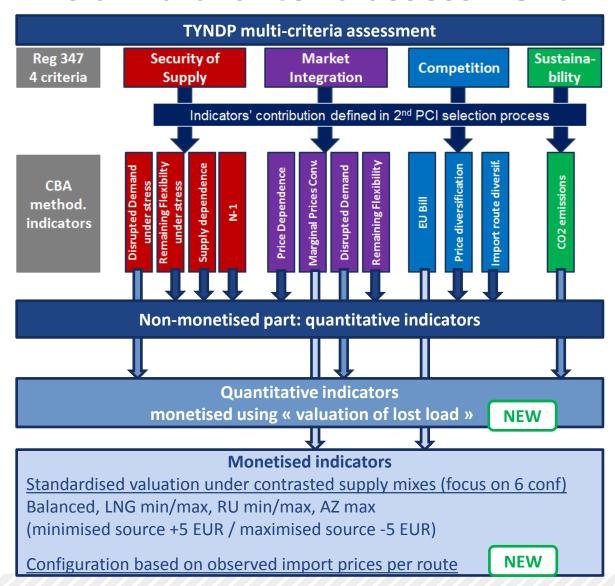
# TYNDP is a multi-criteria assessment





## TYNDP is a multi-criteria assessment



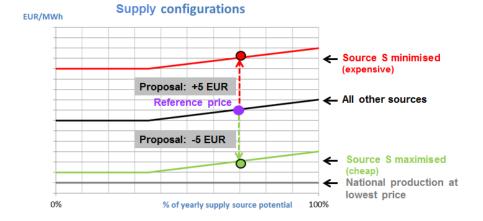


# **Monetised indicators EU supply bill and Marginal Prices**



### **Integrated Market simulations cases**

- > a sensitivity analysis on contrasted supply mixes
  - Focus on 6 supply configurations
    - Neutral (balanced use of sources)
    - LNG maximisation
    - LNG minimisation
    - RU maximisation
    - RU minimisation
    - AZ maximisation
    - o cover high use of each individual source



- Market integration assumption: same price per source regardless of the import point
- Supply configurations intend at representing short-lasting situations (not over 20 years)
- Supply mixes do not depend on price spread assumptions
- Monetised results directly depend on price spread assumptions: standardised results based on standardised price spread assumptions (not a forecast)

# Monetised indicators EU supply bill and Marginal Prices



### An additional « import spreads configuration »

- > It allows to reflect different supply prices depending on the import route
- > It allows to model projects' impact on monopolistic behaviour and to value associated benefits
  - It models a supplier's behaviour of preserving a sufficient market share (volume strategy) => a behaviour observed by studies (Oxford Institute) and market participants
  - When a project bring a competing supply source, the supplier will align its price rather than loosing market share above a given level
  - This will impact the EU supply bill, the marginal price and the associated consumer surplus

This configuration is to be handled in addition to the « integrated market » ones

# Conclusions



### The TYNDP assessment frame is defined by the CBA methodology

#### It is a multi criteria assessment

- > Aiming at assessing the projects along a wide range of potential benefits
- > Aiming at assessing the situation along the criteria defined by Reg. 347

#### Within this multi-criteria assessment

- > Some parts are modelled, other are not
- > Some parts looks at quantitative indicators that are not monetised
- > Some parts looks at quantitative indicators that could be monetised using a fixed value
- > Some parts looks at indicators that are monetised as part of the simulation

All parts are as relevant and none should be disregarded.

# Conclusions



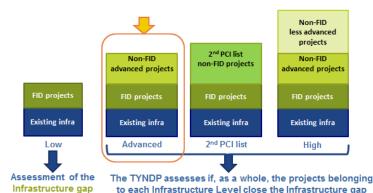
### A clearer assessment of the infrastructure gap

- > The TYNDP report will be re-structured with a dedicated chapter
- > structured along the criteria from Regulation 347

### A better consideration of project maturity

### Further monetisation of benefits

- > Disruption valuation using valuation of lost load
- New configuration for calculation of the EU supply Bill and Marginal Prices based on observed import prices per route



## Along with TYNDP: a long-term gas quality monitoring outlook (GCV and WI)

Using TYNDP results





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

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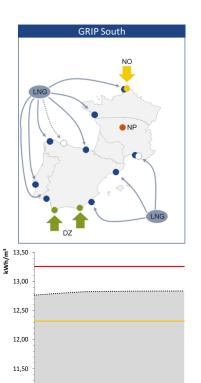
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### Long-term gas quality monitoring outlook

- > INT NC requires the publication of the expected trend and variability range for **GCV and WI** for the next 10 years.
- > Per **region** (specific definition)
- > Analysis of past gas quality data from for all EU entry points and national production + assessment of new supply sources
- > Range calculation for different TYNDP scenarios
- > To be compared with **national standards** requirements
- > A **pilot test** carried out: variability is mostly influenced by the gas quality data collected



Highest/ Lowest GCV FR, ES, PT (ENTSOG TP)
 Upper/Lower regulatory GCV limit ES

11,00