

## ***ENTSO-G Project Submission Handbook for TYNDP 2022***

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## 1. Key Elements

<b>Objective</b>	To support the process of submitting applications of projects for <b>TYNDP 2022</b>
<b>Deliverable</b>	Annex A of TYNDP 2022. Input for CBA modelling.
<b>When</b>	Project Collection takes place from <b>18<sup>th</sup> of October 2021</b> to <b>12<sup>th</sup> of November 2021</b>
<b>Promoter Involvement</b>	Promoters have to use the <b>ENTSO-G Project Portal</b> to submit their project applications.
<b>Disclaimer</b>	<p>Information provided by the promoters through this application will be used for the <b>selection of the projects to be included in the TYNDP 2022</b>.</p> <p>The Project-Specific Cost-Benefit Analysis (PS-CBA) will be performed by ENTSOG based on the <b>data</b> submitted by the promoters <b>during the TYNDP 2022 project collection process</b>.</p>

## 2. Introduction

This document represents the Annex 3 of the “ENTSO Practical implementation document for developing the 10-year network development plan (TYNDP) 2022”.

ENTSO has created the online Data Portal to streamline the infrastructure-project collection procedure. As the project submission procedure is a critical prerequisite for the later infrastructure analysis (TYNDP, CBA), it is of crucial importance that the promoters understand the functionality of the portal and perform a timely and accurate project submission.

ENTSO’s role in the process is to ensure that the Portal is fit for purpose and that it enables the promoters to perform the exercise in a user-friendly way. This should be achieved with the present Handbook, with the inclusion of additional documents in the Documentation Kit (Glossary, Monitoring Activities, Validation Procedures, Request Forms, Annexes) and through significant upgrades of the Project Portal itself.

The purpose of the project collection is to enable ENTSO to fulfil its tasks originating from the Regulations 715/2009 and 347/2013, namely to draw up, publish and regularly update a non-binding Community-wide ten-year network development plan (ENTSO Ten-Year Network Development Plan – TYNDP) and to perform the Cost-Benefit Analysis (CBA) in line with the latest approved CBA methodology.

According to the Regulation 347/2013, TYNDP also serves as a basis for the Project of Common Interest (PCI) selection procedure, organized by the European Commission. Annex III.2 of the current draft revision of Regulation 347/2009 (published in December 2020) indicates which projects are eligible for PCI status and which of these projects can only apply following their inclusion in the latest available TYNDP. In accordance with the specifications of Regulation 347/2013, project promoters planning to apply for a PCI status with these projects shall include their project in the latest available ENTSO TYNDP, hence it has to participate in the ENTSO project collection procedure.

A streamlined project collection procedure is organized, with a predefined timeline, during which every interested promoter can submit its projects, to be included in the Ten-Year Network Development Plan.

<b>Phase 1: Data Collection – Project Submission</b>	<b>18/10/2021 – 12/11/2021</b>	New projects can be submitted and old-projects (i.e. submitted for TYNDP 2020) can be re-submitted only during this timeframe. <b><u>Old projects also have to be updated and then resubmitted</u></b> to be considered in TYNDP 2022.
<b>Phase 2: Data Consistency Check</b>	<b>15/11/2021 – 26/11/2021</b>	Project Data Check run by promoters and by ENTSO <sup>1</sup> . The submitted project data is checked (no corrections in the project portal are possible in this phase). Promoters interaction to solve possible issues in view of phase 3. <b>No projects can be submitted.</b>

<sup>1</sup> In case ENTSO will spot any incorrect information, it will directly contact the concerned promoters.

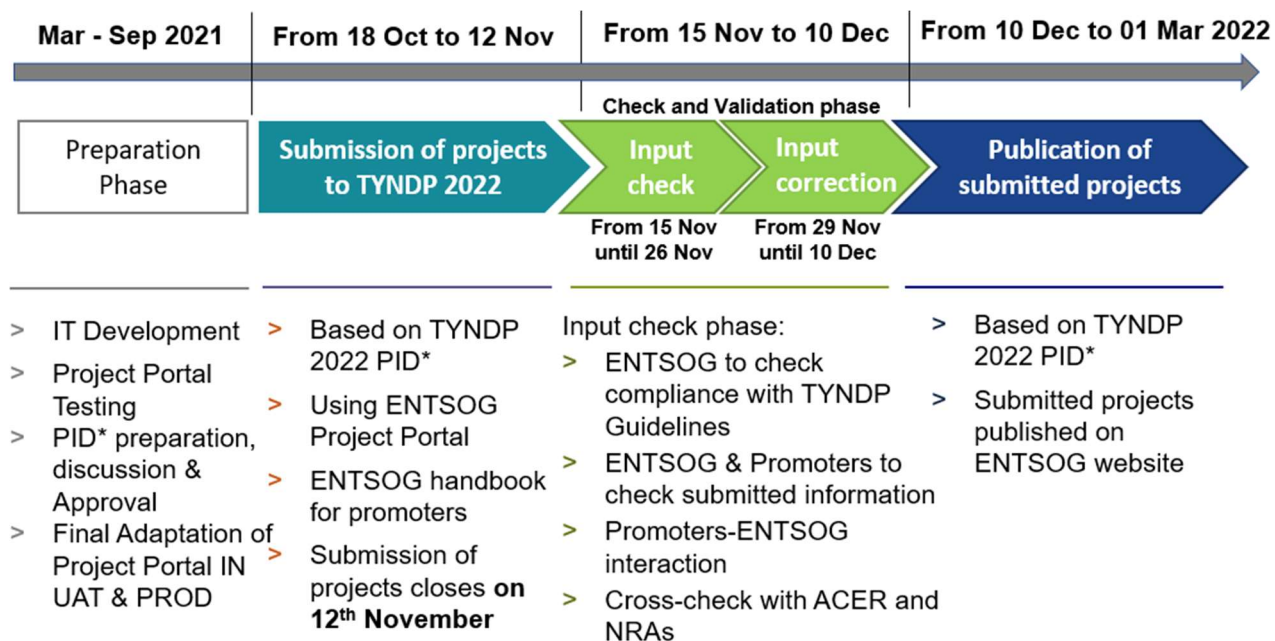
<b>Phase 3: Project Data Correction</b>	<b>29/11/2021 – 10/12/2021</b>	Project Data Correction by Promoters meaning that promoters can correct any mistaken data spotted by promoter itself or ENTSOG during the phase 2. <b>No projects can be submitted.</b>
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ENTSO-G has also developed a Legal Notice to clarify responsibilities of ENTSOG and the promoters during the project collection procedure. Every promoter shall accept this Legal Notice within the Data Portal, before submitting each of its project.

As for the previous edition, for TYNDP 2022, the submitted projects will need to comply with specific administrative and technical criteria for inclusion of projects in TYNDP, as defined in the “ENTSO-G Practical implementation document (PID) for developing the 10-year network development plan (TYNDP) 2022”. This document follows the European Commission’s recommendation on “Guidelines on equal treatment and transparency criteria to be applied by ENTSOG-E and ENTSOG when developing their TYNDPs” as set out in Annex III 2(5) of Regulation (EU) No 347/2013. In line with ENTSOG PID, project promoters are asked as part of the project collection to provide data and documents as a proof for fulfilment of the administrative and technical criteria.

During the consistency check submitted data (project attributes) will be shared with ACER and NRAs with the aim of improving the quality of input data and allowing NRAs to express general comments on the TYNDP 2022 projects in an early phase.

The overall timeline, can be represented as follow:

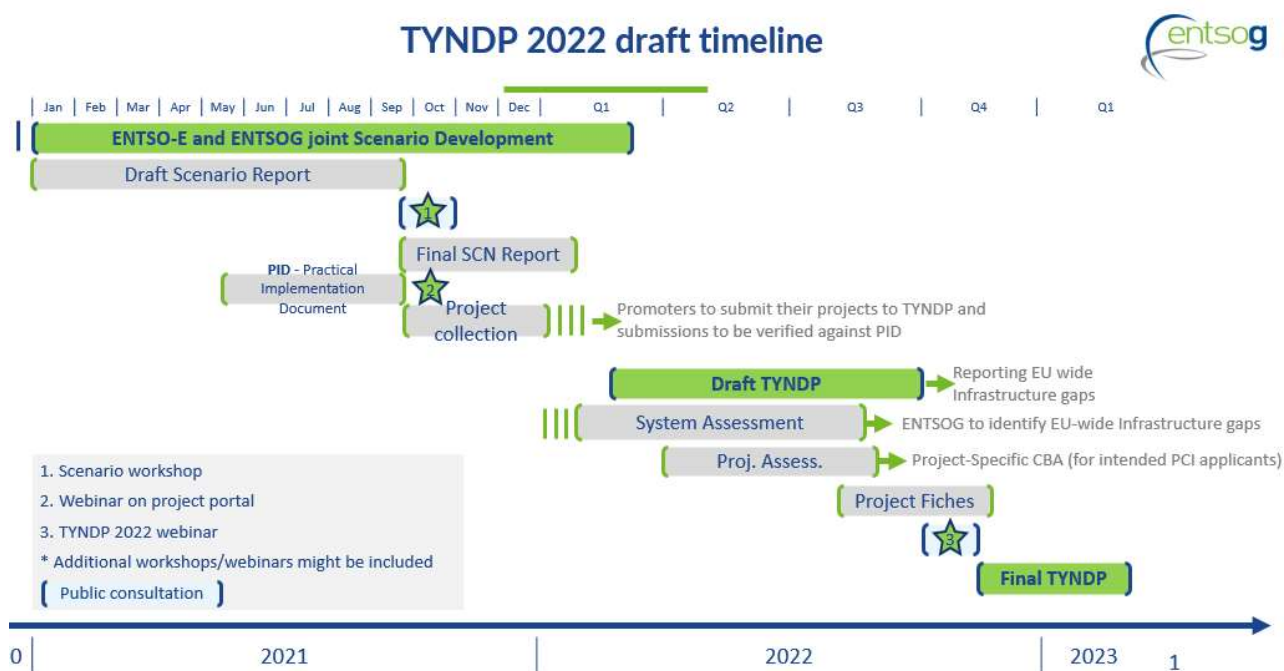


\* Practical Implementation Document for developing TYNDP 2022.

As defined in the Monitoring Activities Document, ENTSOG undertakes to carry out certain manual verifications regarding the submitted data. The resources of ENTSOG do not enable it to perform detailed qualitative assessments of every project submitted via the Project Portal. **The project promoter is thus ultimately responsible for submitting correct data and for ensuring its consistency when submitting a project.** ENTSOG will remain of course available for clarifications on questions related to the data submission, as defined in the **Contacting ENTSOG** section of this document.

### 3. TYNDP 2022

The below figure represents the ENTSOG TYNDP 2022 indicative timeline. Project promoters are invited to contact ENTSOG for the most recent version of the TYNDP 2022 timeline.



Some of these steps are further detailed in the following sections.

### 4. The ENTSOG Documentation Kit

#### 4.1. ENTSOG Data Portal Handbook

The present document is the ENTSOG Data Portal Handbook together with its annexes.

#### 4.2. Glossary

The Glossary contains the definitions of the most important concepts associated with the Data Portal, the project data collection, and ENTSOG modelling activities.

#### 4.3. Validation Rules

The Validation Rules document, part of the Documentation Kit, defines the automatic Validation Rules applied by ENTSOG to the infrastructure-project collection within the Data Portal. The results of the Validation Rules can be followed within the Data Portal itself.

#### 4.4. Monitoring Activities

The Monitoring Activities document, part of the Documentation Kit, defines data submission problems, which ENTSOG undertakes to monitor manually and if identified, reports to the Promoters. The Promoter should be ready to engage with ENTSOG in solving the identified problems.

#### 4.5. Request Forms

Request Forms are Excel-based forms through which promoters can submit specific information to ENTSOG. They are provided as part of the Documentation Kit. The Request Forms include the following excel files:

- > Promoter Creation Form

To create new promoter not yet present in the ENTSOG database and to create credentials to access the ENTSOG Data Portal.

- > Operator Creation Form

To create new infrastructure operator not yet present in the ENTSOG database.

- > Point Creation Form

To create new Point (IP), not yet represented within the ENTSOG network topology

### 5. Functionality and availability of the ENTSOG Data Portal

#### 5.1. Live Environment

The Live/PROD environment can be accessed via the following URL:

<https://data.entso.eu/DataCollectionPortals>

ENTSOG Data Portal [Live/PROD Environment](#) is by default always accessible with the credentials already issued to the Promoters in the past.

**The actual Data Collection - Project Submission is going to start on 18<sup>th</sup> of October 2021 and it will be closed on 12<sup>th</sup> of November 2021.**

Project promoters who have already submitted their projects for TYNDP 2020 are required to **re-submit their projects starting from 18<sup>th</sup> October 2021 and provide up-to-date data** to allow their projects to be considered for TYNDP 2022. To ensure consistency in the project code within different TYNDP editions, promoters re-submitting a project are requested to provide up-to-date data through **the same TYNDP 2022 project form**.

#### 5.2. Test Environment

Promoters can access the ENTSOG Data Portal [Test/UAT Environment](#) with their user name and a password that ENTSOG can send to the Promoter if asked. The test environment has been put in place for ENTSOG to test planned upgrades and for the Promoters to access and discover the full functionality



of the Data Portal (Project Submission questionnaire, Report, etc. before the start of the data collection on 18. October. Any changes made in the test environment will **not be carried over** to the live environment.

The Test/UAT environment can be accessed via the following URL:

<https://uat-data.entso-g.eu/>

Please note that this is a Test environment.

Data submitted via the Test environment **will not be imported to production and will not be used** in any way, shape, or form, by ENTSOG for the preparation of TYNDP 2022.

In case you encounter issues/bugs within the Test environment, we welcome your comments and suggestions to improve the user experience in the live environment. Please send such comments and proposals according to the terms defined in the Contacting ENTSOG Chapter below.

## 6. Important Recommendations

### 6.1. Which browser to use

The ENTSOG data portal is optimized to run under Microsoft Edge web browser. You can of course use other browsers but may experience minor issues when running reports.

### 6.2. Exporting Reports

All the reports of the ENTSOG Data Portal are exportable in Excel. We do recommend you export them should you need to analyze the results in detail.

The way to do this is, whenever a report is shown in your browser, to select “Actions>Export>Excel” (or whatever format you would like).

### 6.3. General Principles

- Promoters have to submit their projects **via the online web-portal** (ENTSO-G 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 its application. Which will be further explained in the corresponding chapter 11.5.
- Missing to fill mandatory information **will prevent promoters to submit their projects**. Mandatory information is labeled in red framed boxes in the project questionnaire. **The projects will not move from the status of “Draft” to the status of “Approved” until all the mandatory information is filled in.**
- Promoters can **fill in their questionnaires in multiple sessions**, with the portal saving automatically the unfinished version as a Draft. Manual saving by the promoter is also possible.
- 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 but not to modify them.



#### 6.4. Button “Add to Grid” and how to use it

You may encounter this button while filling in the report. It is shown whenever the form gives you the possibility to enter several rows of information, for instance several increments.

This screenshot displays the default state of the questionnaire when no increments are entered:

Increments in Entry/Exit Capacity

Operator	Point	Flow Direction	Status	Variant	Commissioning Year	Increment (GWh/d)	Peak Increment (GWh/d)	Comment
--Select--		entry						

Add To Grid

What you need to do in this case is

- > Fill in the various pieces of information, like Operator, Point, etc.
- > **Click on Add to Grid to save this information.**

If you do not click on Add to Grid, the questionnaire will not save the information you have just entered. Once clicked on Add to Grid the browser will probably automatically refresh. After that new information will be available and displayed in the project submission form.

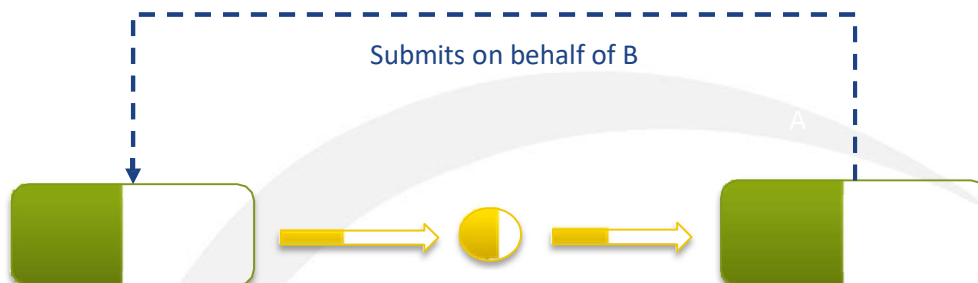
#### 6.5. Buttons “Print” and “Export to Word”

Once the project form is open in Edit or View mode, it can be printed or exported to a word document. In this respect you can use the buttons available at the top of the form.

#### 6.6. Submission on behalf of Subsidiaries

The Project Portal allows for projects to be submitted on behalf of subsidiaries. Such situations typically arise when:

- > Company A is part of the same group as Company B
- > A and B share a common interconnection at a Point
- > A Project is submitted by a representative of Company A with company B as the commercial operator
- > All the necessary investments for the realization of the project, including upgrade of the interconnection for A and B, are submitted via this project.



## Point

In this case, the representative submitting the project should:

- > Select “B” as the commercial operator of the Project
- > Submit an increment in the exit direction for operator B at the Point
- > Submit a mirror increment in the entry direction for operator A at the Point.

This will ensure that the model takes the capacity increase into account.

### 6.7. Submission on behalf of multiple promoters and multiple operators

A project promoter can submit projects to TYNDP on behalf of multiple promoters and/or multiple operators.

In case of **multiple promoters**, the submitting project promoter can indicate all the involved project promoters in the “Promoter Legal Personality” in the project submission form.

In case of **multiple operators**, the submitting project can indicate all the involved operators in the “Operator Name” filed included in the Operator Creation Request Form.

## 7. Project Submission Principals

### 7.1. Inclusion of projects in TYNDP 2022: Administrative and Technical criteria

For the TYNDP 2022 edition, the submitted projects will need to comply with specific administrative and technical criteria for their inclusion in TYNDP, as defined in the “**ENTSO Practical implementation document (PID) for developing the 10-year network development plan 2022**”. This document follows the European Commission’s recommendation on “Guidelines on equal treatment and transparency criteria to be applied by ENTSO-E and ENTSOG when developing their TYNDPs” as set out in Annex III.2 (5) of Regulation (EU) No 347/2013. In line with ENTSOG PID, project promoters are asked as part of the project collection to provide data and documents as a proof for the fulfilment of the administrative and technical criteria.

**The project submission form displays all the information that promoters are expected to provide in order to meet the Administrative and Technical criteria. ENTSOG will verify the compliance of the submitted information and documentation with the criteria defined in the PID and according to the process described always in the PID.**

ENTSOG will start verifying the compliance of the projects with the criteria set in the PID after the closure of the submission phase.

### 7.2. Gas infrastructure Categories of projects to be submitted to TYNDP

The European gas infrastructure plays a key role in achieving the EU energy and climate commitments both in the near and long-term perspective. For the short-term perspective natural gas can replace oil and coal as an energy carrier in specific areas and mitigate CO<sub>2</sub>-emissions and other pollutants significantly. The European Gas infrastructure is having an important role by integrating low carbon and renewables gases such as green hydrogen to decarbonize different sectors.

Gas infrastructure contribute towards building a sustainable energy system across the EU by:

- Enabling significant reduction of CO2 emissions;
- Mitigating air pollution;
- Accommodating the increasing uptake of renewable energy sources;
- Utilising synergies and enabling optimal use of the available potentials of different sectors and systems (coupling of gas grids with power, heating & cooling energy and transport infrastructure).

For the TYNDP 2022 project collection infrastructure projects, which can be submitted, have been grouped in seven categories:

- TRA – Transmission
- UGS – Underground Gas Storages
- LNG – Liquefied Natural Gas
- HYD – New or repurposed infrastructure to carry hydrogen
- RET – Projects for retrofitting infrastructure to further integrate hydrogen
- BIO – Biomethane developments projects
- OTH – Other infrastructure related projects

A detailed technical description for each category can be found in the Practical Implementation Document (PID) for TYNDP 2022.

### 7.3. Virtual aggregation of projects

Virtual aggregation should be used to aggregate several small projects in only one submission. For TYNDP 2022 there are several constellations where it makes sense to submit projects as a virtual aggregation. In general any promoter has the chance to submit virtual aggregation when suitable.

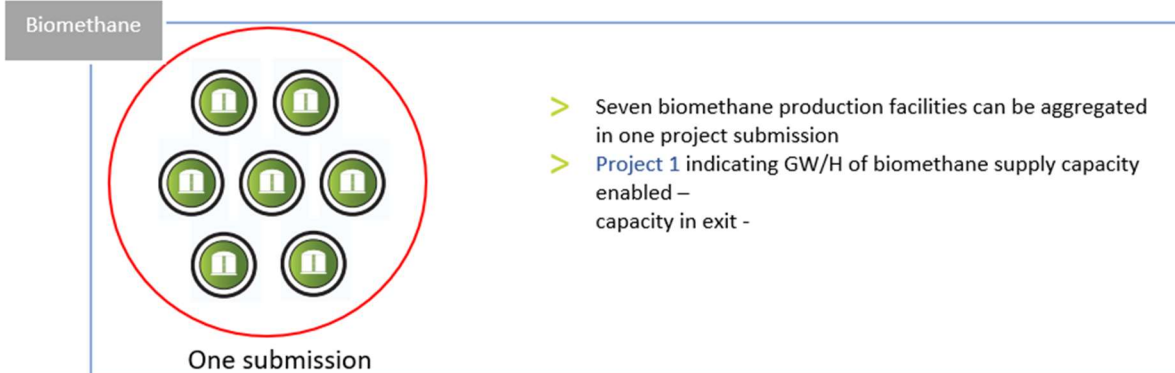
To indicate that your project is a virtual submission of more projects answer the following question in the submission form with “YES”.

[008]- Is the project a virtual submission of more projects

Yes  

Please note the virtual aggregation is independently from PRJ-level aggregation, where a grouping indicates that projects belongs functional wise together.

To facilitate the principle of the virtual aggregation please find below a simple examples:



For the above example the concerned Promoter is a TSO and also owner of the network the gas will be injected into and therefore responsible for submitting to ENTSG the point creation request (See section 11.3). In case of capacities submitted for an IP, the “Lesser of rule” will be applied as for the other type of projects.

In case the project submission involves two or more promoters the different promoters are expected to jointly submit the point creation request(s). Both promoters will submit their part of the project through ENTSG Project Data Portal. The Lesser-of-Rule on the concerned interconnection point will be then applied as per any other project.

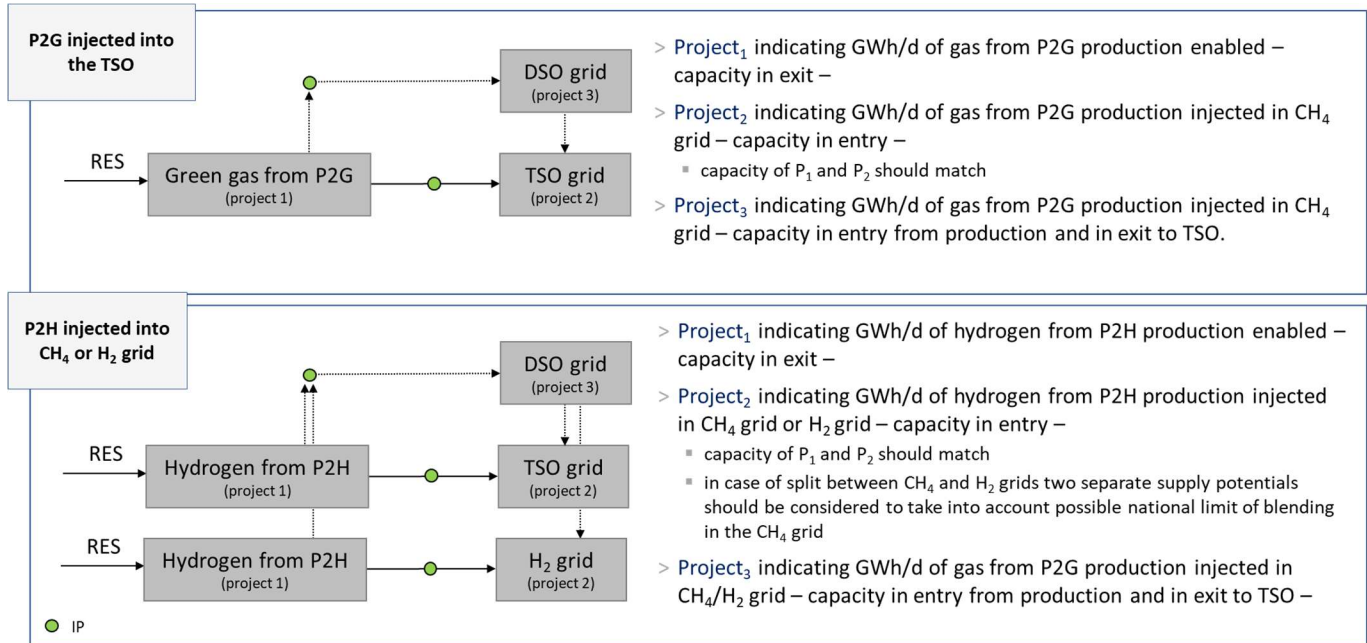
Please consider that for a virtual aggregation the data to be provided in the project portal should concern the **overall project**. E.g., in the Project Schedule section, for “Feasibility”: Start date should correspond to the start of feasibility for 1<sup>st</sup> phase while End date should correspond to the end of feasibility for the last phase of the project.

If certain phases of the project cannot be assimilated to the overall project due to big gaps in terms of project maturity, then we suggest to create and submit 2 or more projects in the portal.

For a better understanding, we provide below one more complex example of a project submission. **It is very important that submissions which are part of the same project to be aggregated under the same PRJ label** (see section 10.1 for more details on the PRJ).

### Power-to-gas/hydrogen/retrofitting

In case of different promoters P2G/P2H projects can be constituted by 2 separate submissions (CH<sub>4</sub>/H<sub>2</sub> production + grid connection CH<sub>4</sub>/H<sub>2</sub>) in line with the figure below.



## 8. System and project-specific assessment in TYNDP

Depending on their level of maturity<sup>2</sup> projects are categorized along different status. Those status are a pre-requisite for the definition of the **infrastructure levels** to be used in the TYNDP assessment.

As part of the improvement included in the Cost-Benefit Analysis Methodology ([link](#)) **the project-specific assessment will be run by ENTSOG in the TYNDP process** and the results will be published in the TYNDP Report.

ENTSOG will run the project-specific assessment only on projects which are eligible for the upcoming “Project of Common Interest”(PCI) selection process and for which promoters have stated the intention to participate during the TYNDP 2022 project collection phase.

The project-specific assessment is intended to provide a relevant contribution to the PCI process, for all projects able to provide the necessary project data, in line with the practice of the 4<sup>th</sup> and 5<sup>th</sup> PCI process. The project-specific assessment will be carried out by ENTSOG and promoters at **project group level** and will build on the **TYNDP input** and the **identified infrastructure gaps**.

The process will be the following:

- During the project submission phase, promoters are asked whether they intend to apply for the next PCI selection process (in this case the 6<sup>th</sup> PCI selection process).

<sup>2</sup> For more details please refer to chapter 5 of the PID and the Glossary.

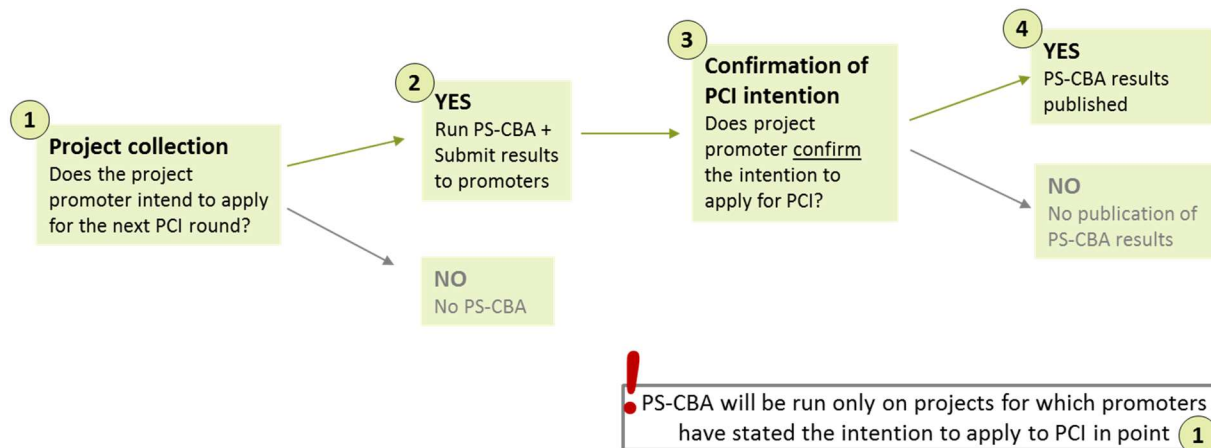
Please note that this is only a declaration of intention and does not automatically translates into the application of the project to the next PCI round. The PCI selection is in fact a process separate from the TYNDP process and under the responsibility of the TEN-E Regional Groups led by the European Commission.

- b) For these projects ENTSOG will run PS-CBA in TYNDP.
- c) ENTSOG will provide PS-CBA results to promoters before publication of PS-CBA in TYNDP. On this basis promoters will be asked:
  - a. to confirm to ENTSOG if they still intend to apply in the next PCI selection process
  - b. to provide to ENTSOG a qualitative analysis for the concerned project group

Please note that the project-specific assessment will be run by ENTSOG on the information provided during the project submission and only after the identification of the infrastructure gaps and according to the timeline published in the PID (section 2).

- d) For those project promoters having confirmed their intention to apply for PCI, a Project Fiche including all the main project information and the results of the project-specific assessment will be published in the TYNDP<sup>3</sup>.

The process can be graphically summarized as follows:



## 9. Cost information in TYNDP

Submission of Project cost information is considered mandatory. All promoters are therefore expected to provide the concerned information relative to CAPEX and OPEX. This is especially relevant for projects interested in applying for the PCI label to ensure the highest possible level for transparency and level playing field.

Cost per projects will be published unless declared **confidential** by promoters – but only possible for projects not interested in applying for the PCI Status. In case of costs labeled as confidential, the provided costs will be used only to show information at **aggregated level** (but not at project level) in the TYNDP Report. Such confidentiality should be duly justified.

However, failing to provide the full disclosure of CAPEX/OPEX costs for a project may trigger the non-inclusion of the project in TYNDP following discussions with EC and ACER.

<sup>3</sup> And according to the 2<sup>nd</sup> Cost-Benefit Analysis Methodology.

## 10. Projects grouping

### 10.1. PRJ level aggregation

For TYNDP 2022 each promoter is tasked to submit its own investment project.

However, often, a number of functionally-related project items need to be implemented for their benefit(s) to materialise. For example, in case of an interconnector connecting two (or more) countries, two different promoters are usually involved in realising the two sections of the same interconnector. It is clear in this case that the two sections of the interconnector are meant to be built and used unequivocally together.

This could be necessary for all kind of projects for example a biomethane production facility on one side and the connection to the gas transmission grid on the other side.

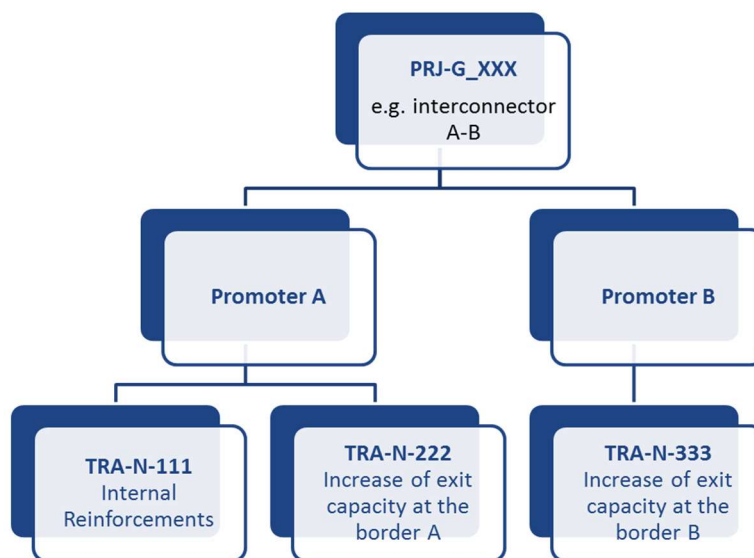
In these cases, for a promoter (and stakeholders) the natural question when submitted its own project will be: what about the other part of the project? Did the other project promoter submit its own part?

Therefore, to facilitate ENTSOG task in identifying these projects, for TYNDP 2022 edition, promoters submitting the following type of projects are asked to indicate whether their submission is part of one common “functional project”.

- Interconnector of two (or more) countries
- LNG terminal (and connecting pipe)
- Underground storage (and connecting pipe)
- Hydrogen production (and connecting pipe)
- Biomethane production (and connecting pipe)
- Other functional related projects

Being an aggregation of investment submitted by different promoters it is called “PRJ group”.

More explanation on how to submit the above information will be treated In Annex 1, question 57.





Each project promoter will be tasked with applying **its own projects**, linking them to the corresponding PRJ label. In case of projects falling under the category HYD, RET, BIO or OHT a project promoter (e.g. TSO) can submit all the necessary submissions for the project and needs to link them to the same PRJ group. If the PRJ group has not been created, then one of the concerned promoters should first create the PRJ group by following the instructions provided in Annex 1 under the “Technical Information section”.

To further understand how projects will be aggregated under a PRJ level, promoters can also consult TYNDP 2020 Annex A (spreadsheet PRJ Groups Main Info)<sup>4</sup>.

## 10.2. Project grouping for PS-CBA

ENTSOOG runs the project-specific assessment on group of projects.

The PRJ level aggregation described in section 10.1 and the 2021 5<sup>th</sup> PCI List (still to be published) represent the basis of these grouping for the PS-CBA.

Often, a number of functionally-related projects need to be implemented for their benefit(s) to materialise. The cost-benefit analysis should in this case be performed jointly for these strictly functionally-related projects, ensuring consistency between the considered benefits and costs.

Project groups will be defined by ENTSOG and published accordingly to the described timeline.

## 11. Project Portal User Manual

### 11.1. Register as a Promoter – account creation

In order to access ENTSOG’s Data Portal for the first time, every promoter has to request an account from ENTSOG. This request can be executed by filling out and sending the Promoter Request Form to the ENTSOG, as described in the Contacting ENTSOG chapter. We strongly advise you to request your credentials in a timely manner before the project collection phase starts.

#### 11.1.1. Steps

##### 1. Fill in the Promoter Request Form

Fill in the form, and then send it to the ENTSOG contact persons. Your request will be treated as soon as possible. You will receive your credentials in a reply email. Once it has been treated, your designated contact person will receive the credentials (login and password) via e-mail.

##### 2. Log-In to the Data Portal

**Please go to the Live Data Portal at the URL:**

**<https://data.entsoe.eu/DataCollectionPortals>**

**Enter your login and password.**

**For all the actions below where the Data Portal is mentioned, it is implied that you have to log-in first.**

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<sup>4</sup> [https://www.entsoe.eu/sites/default/files/2021-07/TYNDP\\_2020%20-%20Annex%20A%20-%20Projects%20Tables.xlsx](https://www.entsoe.eu/sites/default/files/2021-07/TYNDP_2020%20-%20Annex%20A%20-%20Projects%20Tables.xlsx)

### 11.2. Request Operator Creation

The ENTSOG Data Portal already contains a fairly exhaustive list of operators active in the European gas industry. However, in case your project entails the creation of a new operator, you should request ENTSOG to add this operator to its database, by filling in and sending to ENTSOG contact persons the Operator Request Form by the following approach:

Fill in the form, and then send it to the ENTSOG contact persons. Your request will be analyzed and treated. ENTSOG may come back to you with additional questions, for instance:

- > If an Operator with a similar name has already been created
- > If another promoter has requested the creation of this Operator

Once all open questions are solved, you will receive a confirmation by e-mail, and the operator will then be added to the Data Portal and you will be able to select it when submitting an infrastructure project.

In case of multiple operators, the submitting project can indicate all the involved operators in the “Operator Name” field included in the Operator Creation Request Form.

### 11.3. Request Point Creation

Promoters can request the creation of Points, which are not yet part of the ENTSOG Network Model, if these Points are necessary for the realization of their infrastructure projects (including for projects relieving internal bottlenecks). This request can be executed by filling out and sending the Point Creation Form to the ENTSOG contact persons. Therefore please follow below approach:

Fill in the form. If you want ENTSOG to create several points at once, duplicate the sheet in the document to have one sheet per Point. Send then the form to the ENTSOG contact persons. Your request will be analyzed and treated in detail. As this step is critical for correctly assessing the project and its impacts, ENTSOG may come back to you with additional questions in order to fully understand how the topology should be amended.

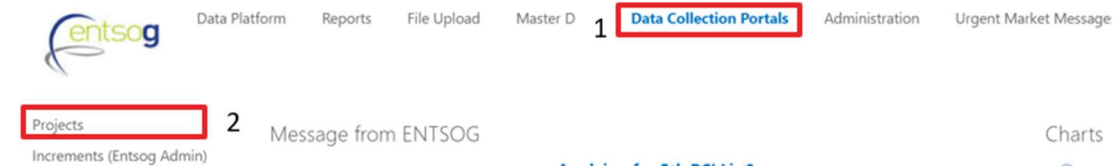
Once all open questions have been solved, you will receive a confirmation by e-mail, and the new points will be added to the Data Portal. You will be able to select them when creating new capacity increments.

In line with the ENTSOG Documentation Kit and Legal Notice, the project promoter should be monitoring the project collection and to coordinate or take corrective actions when deemed necessary. If the project promoter stays inactive and doesn't submit, then according to project collection procedures the Promoter who has requested Point creation should contact him directly, as the report will display a critical mismatch. In case the mismatch persists, as in all cases, the Lesser-Of-Rule will be applied to come to a capacity applied in the modelling exercise.

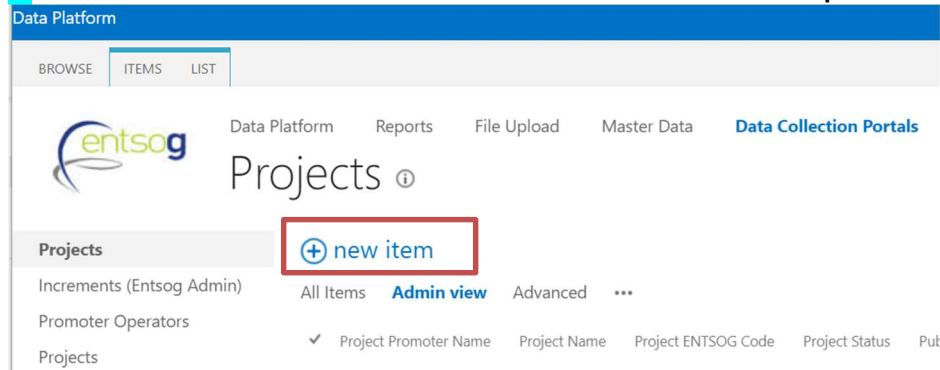
### 11.4. Submit a Project

In order to submit a Project for consideration in ENTSOG analysis such as the TYNDP or the Outlooks, Project Promoters have to submit their infrastructure Projects. This can be done solely via the [ENTSO Data Portal](#) following the below steps:

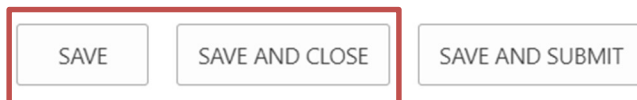
1. Select **Data Collection Portals** on the top of the page. Click **Projects**



2. Click **+ new item** and fill out the Form in line with the indications provided in Annex 1.



You can save your temporary work by clicking **Save** or **Save&Close** (in case you want to close the form) at the bottom of the page.



3. When all the necessary information has been provided, click **Save & Submit** at the bottom of the page.



Please note that for a valid and modelled Project submission, the information to be provided in **red framed boxes in the project submission form is mandatory**. If the project is submitted without filling in all the mandatory information in the red framed boxes, it will appear in the Project Portal as “**Draft**” under the column “Publication project data approved status”. In order to be considered for TYNDP, the

project needs to have the status “Approved”. Promoter will not receive an additional confirmation for the submission of their project.

A project will appear in the Project Portal as “**Approved**” under the column “Publication project data approved status” only after all the mandatory information in the red framed boxes has been submitted.

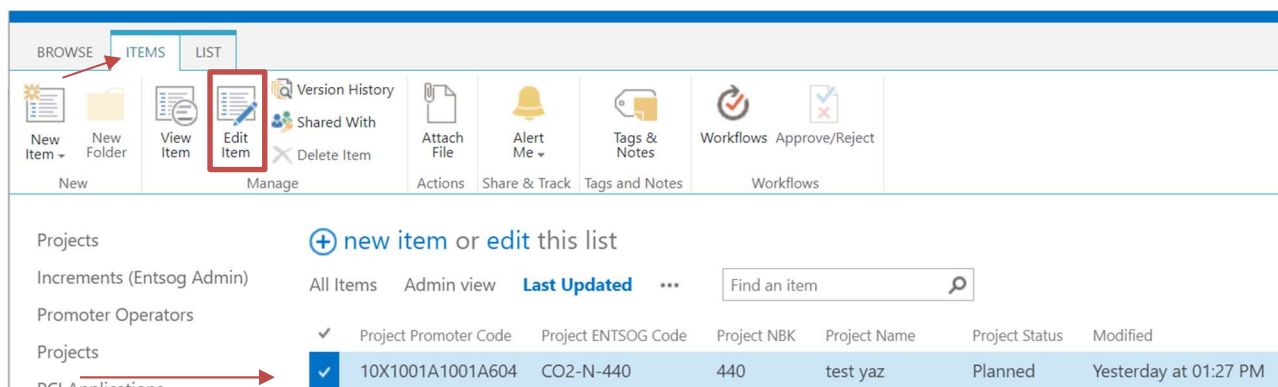
**Important: as described in the timeline in section 2, ENTSOG will carry the verification of the compliance of the submitted projects with the PID provisions only after the closure of the submission phase. Therefore, for projects having been successfully submitted during the submission phase does not implicitly mean that they have also pass the verification against PID criteria.**

### 11.5. Resubmit a Project

Promoters of projects already included in the previous TYNDP and having the intention to be part of the TYNDP under preparation **shall officially make a new re-submission for inclusion in the new TYNDP** solely via the **ENTSOG Data Portal**. For TYNDP 2022 the project categories and consequently the information enquired in the submission data form have been revised. The former category Energy Transition Projects (ETR) has been repealed and new categories allowing better differentiation and insights into different sector developments for projects were introduced. This needs to be considered when resubmitting projects:

If your project was already submitted for the previous TYNDP the resubmission of such a project will benefit of a simplified application process for the TYNDP under a form of pre-filled questionnaire with the latest available data. Do not submit it as an entirely new project. The Promoter has to update the project data in line with the steps below:

1. Select Data Collection Portals on the top of the page. Click **Projects**
2. Select your Project by clicking on it. The project is selected, when highlighted with a blue background.
3. Click Items in the upper left corner. From the drop-down menu select **Edit Item**



The screenshot shows the ENTSOG Data Portal interface. At the top, there are tabs for 'BROWSE', 'ITEMS', and 'LIST'. Below these, there is a navigation bar with various icons and buttons. The 'Edit Item' button is highlighted with a red box. Below the navigation bar, there is a section for 'Projects' with a '+ new item or edit this list' button. A table of projects is displayed, with the first project highlighted in blue. The table has columns: Project Promoter Code, Project ENTSOG Code, Project NBK, Project Name, Project Status, and Modified.

Project Promoter Code	Project ENTSOG Code	Project NBK	Project Name	Project Status	Modified
10X1001A1001A604	CO2-N-440	440	test yaz	Planned	Yesterday at 01:27 PM

4. Once done, you can update the submitted data in the Form in line with the indications provided in Annex 1. You can save your temporary work by clicking **Save** or **Save&Close** (in case you want to close the form) at the bottom of the page.
5. Once finished to fill in the Form, click **Save&Submit** at the bottom of the page.

If your project was submitted as an ETR Project in the previous TYNDP you can follow the above described approach. **Please note** that you need to choose the correct corresponding new project category depending on your project. The project code which was generated during the submission for TYNDP 2020 will stay the

same. If you prefer to create a complete new submission for a former ETR Projects you can do so but please make sure that you indicate that your project was already part of the last TYNDP by answering the following question with “Yes”.

[005]- Was the project item part of the last TYNDP?

Yes

In this case please keep the project name identical to the name used in TYNDP 2020 to facilitate a better and easy linkage and tracking of the projects.

#### 11.6. Modify Existing Capacities or new capacity not connected to any investment

ENTSO-G collects existing capacities with the following time stamps:


- 01/01/2021 for transmissions
- 01/03/2021 for LNG terminals
- 01/07/2021 for UGS storages

Promoters, which want to reflect changes in the existing capacities happened between the above named dates and 17/10/2021 are requested to submit the relevant information through the project portal submission form by choosing “completed” as a project status and by activating the checkbox for capacity modification. In this way ENTSO-G is taking into consideration such capacities but these submissions will not be published as a TYNDP Project.

1

[011]- Project Status	Completed
If Completed, what year was it completed?	2021
[013]- Promoter Legal Personality	
[014]- Project Promoter Type.	--Select--
[016]- Which Company will be the commercial operator once your project is completed.	GAZ-SYSTEM S.A.
[017]- Will there be any other commercial operator(s) once your project is completed? If yes, please mention it/them.	
[018]- Has your project taken the FID?	--Select--

2

[020]- Is your project only a Capacity Modification, which does not require actual investment or construction works ?	<input checked="" type="checkbox"/> 
---	---

In case Promotors foreseen changes in capacities after 17/10/2021 and not related to any investment can submit such capacities by always selecting capacity modification in the form but marking the submission as planned

1

[011]- Project Status Planned

[013]- Promoter Legal Personality Test Müller


[014]- Project Promoter Type. TSO

[016]- Which Company will be the commercial operator once your project is completed. GAZ-SYSTEM S.A.

[017]- Will there be any other commercial operator(s) once your project is completed? If yes, please mention it/them.

[018]- Has your project taken the FID? No

2

[020]- Is your project only a Capacity Modification, which does not require actual investment or construction works ? ☒ 

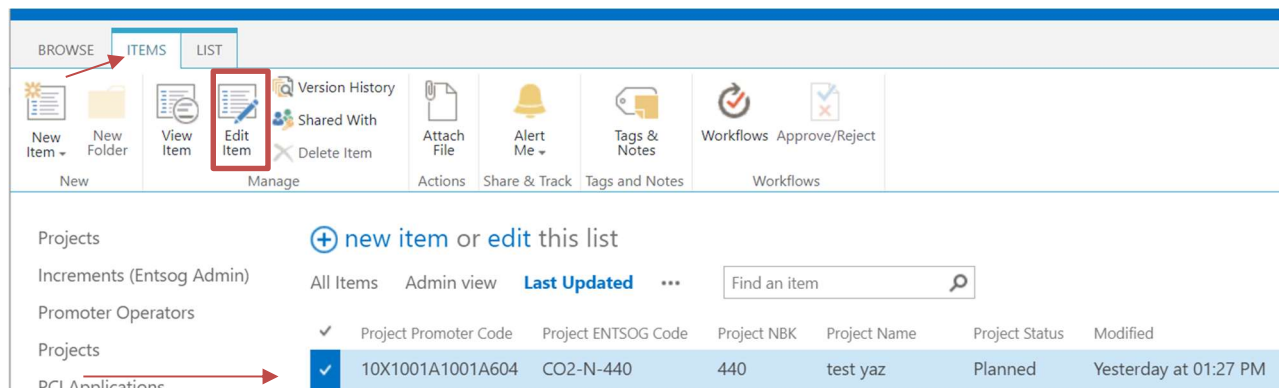
### 11.7. Cancel a Project/ Mark a Project as Completed

The status of already submitted Projects can be set at Cancelled / Completed.

In order to allow a better monitoring activity from ENSTOG on project evolution, **Promoters whose projects were submitted in the last TYNDP and are now completed (or cancelled) are invited to indicate it here.**

#### 11.7.1. Steps

1. Select **Data Collection Portals** on the top of the page. Click **Projects**
2. Select your Project by clicking on it. The project is selected, when highlighted with a blue background. Click Items in the upper left corner. From the drop-down menu select **Edit Item**



The screenshot shows the ENTSOG Data Portal interface. At the top, there are tabs for 'BROWSE', 'ITEMS', and 'LIST'. Below these, there is a toolbar with various icons for actions like 'New Item', 'New Folder', 'View Item', 'Edit Item', 'Version History', 'Shared With', 'Attach File', 'Alert Me', 'Tags & Notes', 'Workflows', and 'Approve/Reject'. The 'Edit Item' icon is highlighted with a red box. Below the toolbar, there is a list of projects. The first project is highlighted with a blue background. The list has columns for 'Project Promoter Code', 'Project ENTSGO Code', 'Project NBK', 'Project Name', 'Project Status', and 'Modified'.

Project Promoter Code	Project ENTSGO Code	Project NBK	Project Name	Project Status	Modified
10X1001A1001A604	CO2-N-440	440	test yaz	Planned	Yesterday at 01:27 PM

3. Once done, go to the question Project Status in the category **General Information**. Here, from the drop-down list, select **Cancelled/Completed**. Once finished, click **Save&Submit** at the bottom of the page. Promoter should double check the capacities they included in last TYNDP and if necessary update the figures.

[011]- Project Status

[013]- Promoter Legal Personality

[014]- Project Promoter Type.

[016]- Which Company will be the commercial operator once your project is completed.

[017]- Will there be any other commercial operator(s) once your project is completed? If yes, please mention it/them

Planned

Planned

**Cancelled**

**Completed**

In Progress

- > Once the Project Status has been set to Cancelled, it will not be considered in modelling or ENTSOG publications.
- > Once the Project Status has been set to Completed, it will be considered in the modelling exercise as existing infrastructure and will not be highlighted in ENTSOG publications as a Project. **Please double check the capacities that were submitted during the last TYNDP and in case the values differ from the actual capacity please update them accordingly.**

## 11.8. Check the Home Page – surface of the Data Portal

The Home Page is the entry page of the Data Portal. It displays a set of general information on the status of your submissions, displays alerts that you have to resolve, and lets you access more detailed reports.

**Please note that the information displayed is not refreshed instantly. ENTSOG's IT system works in batches meaning that it takes between 15 minutes and 3 hours to save promoter inputs in the database, this input being then reflected in the Home Page.**

### 11.8.1. Check the Project Validation Rules

#### 11.8.1.1. Steps

1. By scrolling down on the **Home Page** you find the section **Alerts**, click on either the blue underlined alert type for Major or Minor Project alerts.

European Network of Transmission System Operators for Gas		
Information		
249 planned and 46 in progress projects, including 37 capacity changes (86 FID,163 Non-FID) 88 currently PCI Last updated saved on 19/08/2021 12:45:36		
Alerts		
<a href="#">Projects</a>	Major	0
<a href="#">Projects</a>	Minor	92
<a href="#">Increments</a>	Major	2
<a href="#">Increments</a>	Minor	91



This will redirect you to the detailed list of the Alerts which have been triggered. If you want to see the alert detail for a specific project:

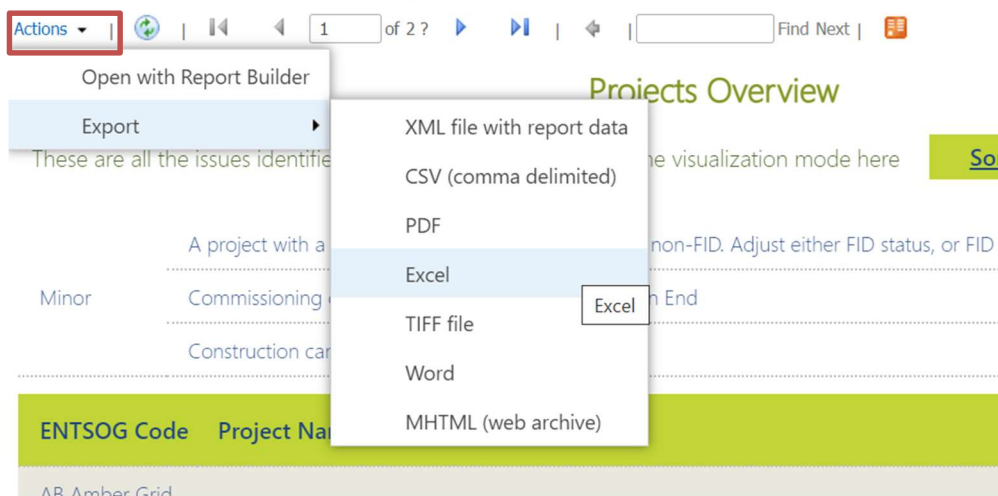
**2.** Click on the “+” sign next to a project

This will display to you the list of all the Validation Rules not respected. Please follow the instructions to correct the errors.

You can also export the result in Excel:

**3.** In the menu Actions, click on Export, then choose Excel. The Portal will prompt you to save the file.

Data Platform > Data Collection Portals > ReportsOnProjects



### 11.8.2. Check the Increment Validation Rules

As the increments are a critical part of each project’s submission, a dedicated set of validation rules has been created for them.

#### 11.8.2.1. Steps

**1.** By scrolling down on the **Home Page**, in the section **Alerts**, click on either the blue underlined alert type for Major or Minor Increments alerts.

Alerts		
<a href="#">Projects</a>	Major	0
<a href="#">Projects</a>	Minor	94
<a href="#">Increments</a>	Major	35
<a href="#">Increments</a>	Minor	240

This will redirect you to the detailed list of the Alerts which have been triggered. If you want to see the alert detail for a specific increment:

**2.** Click on the “+” sign next to a project

This will display to you the list of all the Validation Rules not respected. Please follow the instructions to correct the errors.

#### 11.9. Check the Capacity Calculation

ENTSO Data Portal enables the Promoters to check the impact of their projects on the ENTSOG Network Topology for modelling purpose and the capacity changes the submitted project induces. As described in this chapter.

**1.** After logging in to the Data Portal, please click on **Data Collection Portals** on the top of the page and select one of the Reports described below and follow the further steps.

##### 11.9.1. Network Model

The Report **Network Model** enables the Promoters to see an overview of the ENTSOG topology, which is used as a basis for the ENTSOG modelling exercises. You can see the connection of infrastructure operators to other infrastructure operators represented in ENTSOG network topology, by country. The national production and import connections can also be found. The ENTSOG topology is a result of multi-annual bi-lateral discussions with infrastructure operators on how to represent best their infrastructure in the ENTSOG topology.

##### 11.9.1.1. Steps

**2.** When you are in the **Data Collection Portals** menu point as described above, please select **Network Model of ENTSOG** within the section **Further Information**.

Further Information

See the [Network Model of ENTSOG](#)

##### 11.9.2. Operator Topology

The Report on **Operator Topology** enables every infrastructure operator to check and follow how the existing and planned infrastructure topology is represented within the ENTSOG Network Topology. In case you observe that your infrastructure is not represented correctly, please contact ENTSOG as described in Chapter 14.

#### 11.9.2.1. Steps

**2.** When you are in the **Data Collection Portals** menu point as described above, please select **Check the Topology of your Operators** within the section **Further Information**.

Further Information

See the [Network Model of ENTSOG](#)

Check the [Topology of your Operators](#)

... .. [Capacities Before Lesser-Of Rule](#)

**3.** On the right side of the page you can configure the view of the Report for ENTSOG *Publication, Operators* you have submitted (might be only one), *Point* and *Points Status*. Click **Apply** at the bottom-right corner of the page to run the report. If you select (select All) under *Points* and (Select All) under *Point Status*, you will have an overview of your system for the selected operator.

In the Report, you can see all your operational or planned points under different categories.

**4.** To obtain further details on the points, you can click on the + button on the middle of the page for every Point. This will show further information on which neighboring operator the point connects to and which flow directions are available.

**5.** On the top of the page you can click the button *Before Lesser-Of Rule* which will take you to the next Report. See chapter *Capacities Before Lesser-Of rule* below.

**6.** By clicking on the Actions button in the upper left corner of the page, and then choosing Export from the drop-down list, you can export the data in different formats to different software, such as Excel or Adobe Reader.

#### 11.9.3. Capacities Before Lesser-Of rule

The Lesser-Of Rule is a rule applied by ENTSOG aggregating the available capacities on the two sides of a Point to generate consistent firm capacities for modelling purposes. See the following example:

In case operator A submits an Exit capacity on Point P with the value of 100 and Operator B an Entry capacity of 50, then the 50 will be considered for modelling purposes in the ENTSOG exercises.

Capacity data submission on the Points might result in capacity mismatches, if the submitted capacities by the neighboring operators differ.


The report **Capacities before Lesser-Of Rule** ([link](#)) provides the opportunity for Promoters to check their capacities before application of the rule, and to see the breakdown of their capacity figures.

The Report on **Capacities before Lesser-Of Rule** enables every infrastructure operator, to check and follow what impact the existing and submitted planned infrastructure capacities generate before the application of the lesser-of-rule on the Points. ENTSOG kindly ask all operator to verify the Report to avoid unnecessary questions afterwards.

**Please note that the project promoter is thus ultimately responsible for checking and coordinating with the other concerned promoters in case of mismatch in the submitted capacities.**

A color-based indicator identifies potential issues resulting from mismatches. Please check **Annex II: IP rules** for the detailed documentation of the indicator calculation.

In case you observe that your capacities are not represented as intended at the submission, please contact the neighboring operator and coordinate with them if deemed necessary. Please find below a simple example of the report:



EntsoG

ENTSO-E  
EU TRANSMISSION SYSTEM OPERATORS  
ASG

Projected Capacities Before Lesser-Of Rule

Generated by PDWIS on

09/30/2021 03:27:08 PM

The report displays the breakdown of the capacities for a given publication

After Lesser-Of Rule >>

Capacity Firm High Scenario

Cross-Border Transmission (P within EU)

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
Cross-border Point Y														
Country A > Country B	entry	Operator A	Capacity	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Capacity Increments	0.0	0.0	0.0	128.7	128.7	128.7	128.7	128.7	128.7	128.7	128.7
		entry Total		0.0	0.0	0.0	128.7	128.7	128.7	128.7	128.7	128.7	128.7	128.7
		exit	Operator B	Capacity	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	exit Total		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
	Country B > Country A	entry	Operator B	Capacity	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
			entry Total		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		exit	Operator A	Capacity	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Capacity Increments	0.0	0.0	0.0	128.7	128.7	128.7	128.7	128.7	128.7	128.7
		exit Total		0.0	0.0	0.0	128.7	128.7	128.7	128.7	128.7	128.7	128.7	128.7
		0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		

Starting from the year 2024 the Promoter submitted an increment for Operator A. For Operator B no matching data were submitted. The Report indicates in red colour that regarding to the Lesser-Of Rule the increment for Operator A can't be considered. The Promoter/Operator A should therefore contact Operator B.

### 11.9.3.1. Steps

**2.** When you are in the **Data Collection Portals** menu point as described above, please select **Capacities Before Lesser-of Rule** within the section **Further Information**

**3.** On the right side of the page you can configure the view of the Report for **ENTSO-G Publication**, **Operators** you have submitted (might be only one), **Point**, **Infrastructure Scenario** and **Points Status**. Click **Apply** at the bottom-right corner of the page to run the report. You can also define whether you would like to highlight eventual mismatches in % as well.

In the Report you can see the before lesser-of-rule capacities of all your operational or planned points for your operator and for common points with neighboring operators.

**4.** To obtain further details on the points, you can click on the + button on the middle of the page for every Point. This will open up the capacity data time-series throughout the time horizon per direction and per operator. You will also find warning messages caused by eventual mismatches in a given year.

**5.** On the top of the page you can click the button **After Lesser-Of Rule** which will take you to the next Report. See chapter **Capacities After Lesser-of-rule** below.

**6.** By clicking on the **Actions** button in the upper left corner of the page, and then choosing **Export** from the drop-down list, you can export the data in different formats to different software, such as Excel or Adobe Reader.

### 11.9.4. Capacities After Lesser-of rule

The Lesser-of-Rule is a rule applied by ENTSOG aggregating the available capacities on the two sides of a Point to generate consistent firm capacities for modelling purposes.

In case operator A submits an Exit capacity on Point P with the value of 100 and Operator B an Entry capacity of 50, then the 50 will be considered for modelling purposes in the ENTSOG exercises.

Capacity data submission on the Points might result in capacity mismatches, if the submitted capacities by the neighboring operators differ. The report **Capacities after Lesser-of-Rule** ([link](#)) provides the opportunity

for Promoters to check their capacities after the application of the rule, **which will serve as a basis for the modelling exercise**.

Please also check **Annex III: Capacity calculation and TYNDP assessment** for a detailed explanation of the algorithm used by ENTSOG.

The Report on **Capacities after Lesser-of Rule** enables every infrastructure operator to check and follow what impact the existing and submitted planned infrastructure capacities generate after the application of the lesser-of-rule on the Points. In case you observe that your capacities are not represented as intended at the submission, **please contact the neighboring operator and coordinate with them when deemed necessary**.

#### 11.9.4.1. Steps

**2.** When you are in the **Data Collection Portals** menu point as described above, please select **Capacities After Lesser-of Rule** within the section **Further Information**.

**3.** On the right side of the page you can configure the view of the Report for ENTSOG *Publication*, *Operators* you have submitted (might be only one), *Point*, *Infrastructure Scenario* and *Points Status*. Click **Apply** at the bottom-right corner of the page to run the report. You can also define whether you would like to highlight mismatches in % as well.

In the Report, you can see the after lesser-of-rule capacities of all your operational or planned points for your operator and for common points with neighboring operators.

The report already shows the capacity data time-series throughout the time horizon per direction and per operator. You will also find warning messages caused by eventual mismatches in a given year.

**4.** By clicking on the **Actions** button in the upper left corner of the page, and then choosing **Export** from the drop-down list, you can export the data in different formats to different software, such as Excel or Adobe Reader.

## 12. Responsibility of the Project Promoter

The responsibility of the Project Promoter is specified in the Project Questionnaire itself in the form of a Legal Notice. Promoters will have to confirm their acknowledgement of this Legal Notice in order to submit a project.

## 13. Contacting ENTSOG

ENTSO has allocated the necessary staff to assist the Project Promoters during the project collection procedure.

Before the project collection starts, ENTSOG undertakes to respond to any written inquiry regarding the Project Portal or the data submission process, within three working days. During the project collection procedure **(18/10/2021-12/11/2021)** and consistency checking and validation periods **(15/11/2021 – 10/12/2021)** ENTSOG undertakes to respond to any written inquiry regarding the Data Portal or the data submission, within two working days.

### 13.1. General Inquiries and questions regarding the Data Portal

For general inquiries, questions regarding the Data Portal and the project collection procedure please contact:

**Ms. Mareike Dollinger**,, Adviser and Project Validator for the project collection process, at:

[Mareike.Dollinger@entsog.eu](mailto:Mareike.Dollinger@entsog.eu)

And

**Ms. Maria Castro**, Adviser and Project Validator for the project collection process, at:

[Maria.Castro@entsog.eu](mailto:Maria.Castro@entsog.eu)

And

**Mr. Stefano Astorri**, Investment Subject Manager and Project Validator for the project collection process, at:

[Stefano.Astorri@entsog.eu](mailto:Stefano.Astorri@entsog.eu)

And please:

**Cc:** [projects@entsog.eu](mailto:projects@entsog.eu)

With the SUBJECT:

**Project Collection 2022: “Question”**

In your question, please always indicate if you are a Project Promoter and please send your **user name** of your Data Portal credentials.

Would you not receive answer within 3 working days after your first inquiry, please contact Mr.Stefano Astorri , Investment Subject Manager at

[Stefano.Astorri@entsog.eu](mailto:Stefano.Astorri@entsog.eu)

## 14.Conclusions

In case you have further questions regarding the functionality of the Data Portal or regarding data submission not explained in the ENTSOG Documentation Kit, we are available as described above.

**Please make sure to read the Documentation Kit and check if your question is already addressed there.**

In case you have comments regarding the Documentation Kit or you think that certain steps can be explained in a more user-friendly way, we are happy to consider your comment and update the documentation to assist other Promoters and ensure the smoothness of the process.

## 15. Annexes

- Annex I: Project Collection Questionnaire explained

This annex can be found below.

- Annex II: IP rules

This annex is attached to the Documentation Kit and is an Excel file.

- Annex III: Capacity calculation and TYNDP assessment

This annex is attached to the Documentation Kit and is a PowerPoint file.

- Annex IV: Map Positioning Template

This annex is attached to the Documentation Kit and is a PowerPoint file



## 16. Annex I: Project Collection Questionnaire explained

No <sup>5</sup>	Question in the project portal (sign* means that the question is mandatory)	Explanation on the information to be provided
	<a href="#">Handbook</a>	You can click on the link to download this Project Submission handbook directly from the project submission form.
	<a href="#">ENTSOE Publication</a>	
1.	Comments on the Project in the context of the current publication	Provide any comments you may have considering the introductory paragraph of this section
	<a href="#">General Information</a>	Section includes general information about the project.
2.	Is the project an enabler for groups	A Project can be considered as an Enabler Project, when it is necessary for another Project/ Group of Projects (the Enabled Project(s)) to realize its full capacity potential. For more details on “enabler” projects, please check the definition in the Glossary.
3.	Project (System) Code	No need to fill in the box. The code is automatically assigned by the IT system.
4.	ENTSOE Project Code	No need to fill in the box. The project code is assigned by the IT system in line with the type of project i.e. <b>TRA</b> for transmission projects, <b>UGS</b> for underground storage, <b>LNG</b> for LNG terminals <b>HYD</b> for new for repurposed infrastructure to carry hydrogen, <b>RET</b> for projects for retrofitting infrastructure to further integrate hydrogen, <b>BIO</b> for biomethane development projects and <b>OTH</b> for other infrastructure related projects . For former “ETR”-projects submitted during TYNDP 2020 the old code will be still displayed. In addition, the ENTSOE project code includes one letter as well which stands for the project infrastructure level. As such, this letter can be either “ <b>F</b> ” for FID projects, “ <b>A</b> ” for Advanced projects or “ <b>N</b> ” for Non-FID / Non-Advanced projects. Please note that especially for Advanced projects, the system needs some time to assign the code to the project.

<sup>5</sup> Numbering of the questions in this table does not necessarily match the numbering of the questions in the project portal.

5.	Was the project item part of the last TYNDP? *	Indicate “ <b>YES</b> ” if the project was included in TYNDP 2020 or “ <b>NO</b> ” if the project was not included in TYNDP 2020
6.	Project Name *	Provide the project name.
7.	Infrastructure Type *	Select “ <b>TRA</b> ” for a gas transmission project, “ <b>UGS</b> ” for an underground storage, “ <b>LNG</b> ” for an LNG project, “ <b>HYD</b> ” for new or repurposed infrastructure to carry hydrogen, “ <b>RET</b> ” for retrofitting infrastructure to further integrate hydrogen, “ <b>BIO</b> ” for biomethane development projects, or “ <b>OTH</b> ” for other infrastructure related projects.
8.	Is the project a virtual submission of more projects	Please indicate if your project is a virtual project aggregating two or more projects. More details can be found in section 7.3. in the Handbook.
9.	Project Description *	Provide a thorough description of the project (in min. 100 characters) mentioning information such as the purpose of the project, the main parameters and any specific aspect. Such description will then be published as part of TYNDP Annex A <sup>6</sup> .
10.	Project Host Country *	Select from the list the relevant host country where the project is built.
11.	Project Status *	Select the status of the project: “ <b>Planned</b> ” if the project is under design or feasibility studies “ <b>In Progress</b> ” if the project is in the permitting progress or in the construction phase; “ <b>Completed</b> ” if the project was already commissioned; “ <b>Cancelled</b> ” if the project submitted in the previous TYNDP has been cancelled.
12.	Promoter Legal Personality *	Indicate the legal entity submitting the project (company name)
13.	Project Promoter Type *	Select “ <b>TSO</b> ” if you are a certified Transmission System Operator or “ <b>Third party promotor</b> ” if you are a promoting company but not a TSO. For any other legal entities such as Governmental Bodies, “ <b>Other</b> ” should be selected and the promoter type indicated.
14.	Which Company will be the commercial operator once your project is completed	Indicate the commercial operator of the facility when commissioned.
15.	Will there be any other commercial operator(s) once your project is completed?	Indicate if there will be other commercial operator (s) after the completion
16.	Has your project taken FID? *	Indicate if your project has reached the Final Investment Decision at the moment of submitting the project
17.	Indicate the date when your FID was taken *	If the answer to previous question was “ <b>Yes</b> ”, you should indicate the date when FID was taken.

<sup>6</sup> Here the [link](#) to TYNDP 2020 Annex Project Sheets.

18.	Is your project only a Capacity Modification, which does not require actual investment or construction works? *	<p>You should tick the corresponding box ONLY if you want to submit capacity increases (or decreases) at one or several of your IPs, and if these capacity changes can be realized without having to perform any actual investment. Known examples include:</p> <ul style="list-style-type: none"> <li>- Change in future demand assumptions, leading to capacity recalculations;</li> <li>- Dynamic storage behavior;</li> <li>- Shifting of capacity between Points;</li> <li>- Decrease of capacity due to degradation/lack of maintenance of the transmission system;</li> <li>- Decrease of capacity due to depletion of a particular type of gas;</li> <li>- Technical Agreements between TSOs;</li> <li>- Closure/Decommissioning of Infrastructure, leading to a capacity decrease;</li> <li>- Changes in Capacity due to market merger</li> </ul> <p>In this case the capacity submission will not be considered in the TYNDP as a Project, but rather as a Capacity Modification and will be highlighted accordingly in the Annex of the TYNDP.</p>
19.	Estimated CAPEX (in million EUR) *	Indicate the total expected CAPEX for your project, in million EUR.
20.	Amount of already incurred CAPEX (in million EUR) *	Indicate the amount of the total expected CAPEX which have been already incurred, in million EUR. In case info is not available, please tick “Info not available” and provide in the box the reason.
21.	Amount of contracted but not yet incurred CAPEX (in million EUR) *	Indicate the amount of the total expected CAPEX which have been fixed contracted but not yet incurred, in million EUR. In case info is not available, please tick “Info not available” and provide in the box the reason.
22.	Are these CAPEX costs considered confidential? *	Indicate if the CAPEX is considered confidential or not. Projects intending to apply for the PCI need to fulfill full cost disclosure. If you select <b>YES please duly justify</b> . In case of confidentiality the CAPEX will not be published and only used for calculating aggregated costs over infrastructure types and levels for the Report. Failing to provide full disclosure of CAPEX/OPEX may trigger the non-inclusion following discussions with EC and ACER.
23.	CAPEX Range (in %) *	Indicate the degree of variability of the cost by stating how much it can vary to the upside or the downside, in percentage of the cost provided.
24.	Estimated OPEX (in million EUR per year) *	Indicate the expected average OPEX per year, in million EUR/year.
25.	Is this project OPEX considered confidential? *	Indicate if the OPEX is considered confidential or not. Projects intending to apply for the PCI need to fulfill full cost disclosure. If you select <b>YES please duly justify</b> . In case

		of confidentiality the OPEX will not be published and only used for calculating aggregated costs over infrastructure types and levels for the Report.
26.	OPEX Range (in %) *	Indicate the degree of variability of the OPEX by stating how much it can vary to the upside or the downside, in percentage of the cost provided.
27.	Name of your representative in charge of the TYNDP Project submission *	Self-explanatory
28.	E-mail address of your representative in charge of the TYNDP Project submission *	Self-explanatory
29.	Phone number of your representative in charge of the TYNDP Project submission *	Self-explanatory
30.	Project Website	Provide the URL/link of the project website, if available
31.	General Remarks	Provide any additional information that may help ENTSG to understand the project.
	<u>Administrative Criteria</u>	<b>In view of filling in this section of the questionnaire, please read carefully the “ENTSOG Practical implementation document for developing the TYNDP 2022” (PID) to fully understand the criteria your project / company need to fulfill in order to be included in the TYNDP 2022.</b>
32.	Please select the category of the project promoter you are *	In line with section 3 of the PID, please select the type of promoter your company is.
33.	Company Existence (Pass-Fail Criteria) *	<p>This is a mandatory criterion for the project inclusion in TYNDP. Please tick the box and attach the supporting document as described in section 7 of PID<sup>7</sup>. This will allow ENTSG to verify the compliance with PID provisions.</p> <p><b>Note 1:</b> Promoters submitting the documents in the original language are asked to provide a 1-page maximum summary in English.</p> <p><b>Note 2:</b> in case of multiple document, promoters should zip the files.</p>
34.	Company Financial Strength (Pass-Fail Criteria) *	<p>This is a mandatory criterion for the project inclusion in TYNDP. Please tick the box and attach the supporting document as described in section 7 of PID<sup>8</sup>. This will allow ENTSG to verify the compliance with PID provisions.</p> <p><b>Note:</b> in case of multiple document, promoters should zip the files.</p>

<sup>7</sup> Project promoters of type A1, B1, C1, D1, E1, F1 or G1 do not have to provide a supporting document as this criterion is covered by the certification.

<sup>8</sup> Project promoters of type A1, B1, C1, D1, E1, F1 or G1 do not have to provide a supporting document as this criterion is covered by the certification.

35.	Company Technical Expertise (Pass-Fail Criteria) *	This is a mandatory criterion for the project inclusion in TYNDP. Please tick the box and attach the supporting document as described in section 7 of PID <sup>9</sup> . <b>Note:</b> in case of multiple document, promoters should zip the files.
36.	Please indicate if your project has completed the (Pre-) Feasibility study*	Select “ <b>Yes</b> ” if the project has completed a (pre-) feasibility study or “ <b>No</b> ” if the project has NOT completed a (pre-) feasibility study.
37.	Please select one of the following options *	At least one of the listed criteria has to be fulfilled. Select from the list one criterion which is fulfilled by your project. In case it is required, please also attach a supporting document. <b>Note:</b> in case of multiple document, promoters should zip the files.
38.	Please provide any additional comments	Provide any additional comment that you may consider relevant for this section.
	<u>Inclusion in NDP</u>	<b>Section collects information about the project inclusion in the National Development Plan.</b>
39.	Is your project part of a National Development Plan (NDP) ?	Tick the box if your project is part of the latest NDP.
40.	Please indicate the name of the NDP in which your project is included *	Self-explanatory
41.	Please indicate the unique identification number of your project in the NDP *	In case the NDP does not use reference numbers please indicate the name/label with which the project is identified in the NDP
42.	Project NDP Website *	Indicate the URL/link of the NDP website.
43.	NDP Release date *	Self-explanatory.
44.	If is not part of NDP, please give a reason *	Select the relevant reason in case your project is not included in the latest NDP.
	<u>Enabler/Enhancer Projects</u>	<b>Section collects information about enabler/enhancer and enabled projects.</b>
45.	Is this project an internal enabler? *	Select “ <b>Yes</b> ” or “ <b>No</b> ” as the case may be. A Project can be considered as an Enabler Project, when it is necessary for another Project (the Enabled Project) to be realized. For more details on “enabler” projects, please check the definition in the Glossary.
46.	Enabled Projects	If the case, select from the TYNDP 2020 list the project(s) it enable(s).

<sup>9</sup> Project promoters of type A1, B1, C1, D1, E1, F1 or G1 do not have to provide a supporting document as this criterion is covered by the certification.

		An Enabled Project is a Project, which cannot realize its incremental capacity potential partially or fully within an Entry/Exit system at an Entry/Exit point (IP point; UGS Entry/Exit Point; LNG Entry/Exit Point) without an Enabler Project For more details on “enabled” projects, please check the definition in the Glossary.
47.	If the project is not in the list provided, please indicate the project *	If you cannot find the enabled project in the list provided in the portal, indicate the name of the project in this box. Here promoters can indicate also a new project (not part of TYNDP 2020) submitted by them.
48.	Please explain the enabler relation with the selected project(s) *	Please explain the enabler relation by indicating how the project enables the enabled project(s).
49.	Is this project an enhancer? *	Select “ <b>Yes</b> ” or “ <b>No</b> ” as the case may be. A Project can be considered as an Enhancer Project, when this project allows the enhanced project to operate at higher rate than when it operates on its own basis. For more details on “enhancer” projects, please check the definition in the Glossary.
50.	Enhanced projects	If the case, select from the TYNDP 2020 list the project(s) it enhance(s).
51.	If the project is not in the list provided, please indicate the project *	If you cannot find the enhanced project in the list provided in the portal, indicate the name of the project in this box. Here promoters can indicate also a new project (not part of TYNDP 2020) submitted by them.
52.	Please explain the enhancer relation with the selected project(s) *	Please explain the enhancer relation by indicating how the project enhances the main project(s).
	<u>Project Shareholders</u>	<b>Section collects information about the project shareholders.</b>
53.	Project Section	Provide the short name of the project. If your project is divided into several sections, indicate the name of each section by creating additional lines.
54.	Shareholder Name	Indicate the names of each shareholder for the project or the different sections of the project.
55.	Shareholder Share	Indicate the shares of each shareholder in the project or the different sections. <b>Press “Add To Grid” button for the information to be saved and to create additional lines.</b>
	<u>Technical Information</u>	
56.	Indicate if your project is part of *	<b>In some cases, a number of functionally-related project items need to be implemented for their benefit(s) to materialise. Therefore, to facilitate ENTSG task in identifying these projects, for TYNDP 2022 edition, promoters are asked to</b>

		<p>indicate whether their submission is part of one common “functional project”. Being an aggregation of investment submitted by different promoters it is called “PRJ group”. In case your project is not a stand-alone project, but it is part of:</p> <ul style="list-style-type: none"> <li>- an interconnection of two or more Member States,</li> <li>- LNG terminal and connecting pipeline</li> <li>- UGS and connecting pipeline</li> <li>- Hydrogen production and connecting pipe</li> <li>- Biomethane production and connecting pipe</li> <li>- Other functional related project groups</li> </ul> <p>please indicate this by selecting the relevant option. If it not the case, select “None of above”</p>
57.	Choose PRJ group *	<p>In case you selected one of the first six options at the question above then here you have to <b>create a new PRJ group</b> or <b>select</b> an already existing one.</p> <p><b>Attention: before creating/selecting a PRJ group, please make sure that you coordinate with all the other concerned promoters. Only one promoter (to be chosen by you) is expected to initially create the PRJ group during its submission. All the other promoters will be then able to select the PRJ group once created by the first promoter.</b></p> <p>Option 1) Create a new PRJ group: in case it does not exist yet, click “<b>Create a new PRJ group</b>” on the right. A new window will open with few additional questions.</p> <p><i>Common name of the project:</i> please use one of the two conventions</p> <p><i>Interconnector &lt;Country A/Balancing zone A&gt; - &lt;Country B/Balancing zone B&gt;</i>  <i>LNG terminal &lt;name&gt; and connecting pipe &lt;name&gt;</i>  <i>UGS facility &lt;name&gt; and connecting pipe &lt;name&gt;</i>  <i>Production facility &lt;name&gt; and connecting pipe &lt;name&gt;</i></p> <p><i>Or</i></p> <p><i>&lt;common name&gt; (e.g. The very Long pipeline project)</i></p> <p><i>Common description of the TYNDP Project</i>  <i>Common description of the benefits stemming from the realization of the project</i></p>



		<p><i>Which specific criteria are fulfilled by your project:</i> indicate the specific criteria fulfilled by the interlinked project i.e. Market Integration, Security of Supply, Competition, Sustainability</p> <p><i>Other information: provide any other information which you may consider useful</i></p> <p>After filling in the boxes, please click the <b>“Add”</b> button and return to the main questionnaire.</p> <p>Option 2) Select a PRJ group: in case it does already exist, select it from the drop-down list.</p> <p>Promoters who want to update/edit the information related to a PRJ created as part of TYNDP 2020 should contact ENTSOG</p>
58.	Is this a multi-phase project? *	<p>In case your project is envisaged to be developed in more than 1 phase, select <b>“Yes”</b>. If it is not the case, select <b>“No”</b>. You will be able to provide more information regarding the different phases in the following section.</p>
59.	Please specify if your project is suited to transport increasing percentages of hydrogen (possibly up to 100%) *	<p>Question is only visible for Projects falling under the TRA, UGS or LNG Project Category.</p> <p>Indicate if your project is suited to transport increasing percentages of hydrogen (possibly up to 100%)</p> <p>In case of <b>“YES”</b> please upload documents proofing your answer.</p>
60.	Please specify if your project contributes to coal and gas switch *	<p>Question is only visible for Projects falling under the TRA, UGS or LNG Project Category.</p> <p>Indicate if your project contributes to coal and gas switch</p> <p>In case of <b>YES</b> please upload documents proofing your answer.</p>
	<p><u>Type Specific Information</u></p>	<p><b>Depending of the type of infrastructure project, you have to provide some important technical information about your project. Fill in all relevant boxes as this information will be used by ENTSOG to ensure compliance with the “Technical description” criterion as mentioned in the PID. This information will be published as part of TYNDP Annex A.</b></p> <p><b>Note 1: the number of the phases (and related information) here indicated should be consistent with the number and the information provided in the “Increment in Entry/Exit capacity” section.</b></p> <p><b>Note 2: the questions under this section are dedicated per type of project. Depending on the type of project you select, the relevant questions will be displayed.</b></p>
	<b>Pipeline</b>	

61.	Name of the section/phase	In case the project has several sections/phases, indicate the name and then the related details for each of the section/phase.
62.	Length of the Pipe (in Km)	Indicate the length of the section in km
63.	Diameter (in mm)	Indicate the diameter of the pipeline section in mm
64.	Additional Compressor Power (in MW)	Indicate the compressor power related to the pipeline section in MW. If the project is a compressor station, fill in the total power of the compressor station in MW
65.	Part of Variant	It is automatically filled by the system in line with the variants provided in the "Variant for Modelling" section.
66.	Comments	Provide any relevant comments related to the described pipeline section/phase. In case of compressor station indicate the type of compressors (e.g. electric or gas driven).
67.	Commissioning Year	Indicate the commissioning year of the described section/phase. In case there is only one section/phase, the commissioning year should correspond to the commissioning year of the project. <b>Press "Add To Grid" button for the information to be saved and to create additional lines.</b>
68.	Please indicate the expected load factor of your project (when completed) on yearly basis *	Indicate the expected load factor after completion on a yearly basis in percentage. Load factor is defined as the percentage of the capacity that is utilized after the commissioning based on promoter's estimates. In case this question is not applicable for you please fill in "0".
69.	Please indicate the expected load factor of your project (when completed) under peak situation *	Indicate the expected factor under peak situation in percentage. In case this question is not applicable for you please fill in "0".
70.	Is the proposed project the result of the demand assessment in the context of the Incremental Capacity Process? *	Please indicate if the project is triggered following a demand assessment process in the context of the Incremental Capacity Process
71.	If yes, please provide more details*	Provide details on the main results of the Demand Assessment Report (DAR)
72.	If yes, Please provide any available link to DAR*	Provide the link to the DAR
	<b>LNG</b>	
73.	Name of the regasification facility	Indicate the name of the LNG facility
74.	Reloading ability?	Check the box in case the facility has reloading ability.

75.	Name of Project Phase	In case the project has several phases, indicate the name and then the related details for each of the phase.
76.	Expected increment in yearly volume (bcm/y)	Indicate the yearly increment in bcm/y. This information must be consistent with the one provided in the Capacity Increment section (and used for modelling).
77.	Increment in Ship size (m3 LNG)	Indicate the increment in ship size in m3 LNG
78.	Increment of daily Send-out capacity (mcm/d)	Indicate the daily send-out capacity in mcm/d. This information must be consistent with the one provided in the Capacity Increment section (and used for modelling).
79.	Increment of storage capacity (m3 LNG)	Indicate the Storage Expected Load Factor of the UGS on a Yearly Basis
80.	Comments	Provide any relevant comments related to the described phase.
81.	Commissioning Year	Indicate the commissioning year of the described phase. In case there is only one phase, the commissioning year should correspond to the commissioning year of the project. <b>Press “Add To Grid” button for the information to be saved and to create additional lines.</b>
82.	Please indicate the expected load factor of the LNG facility on yearly basis	Load factor is defined as the percentage of the capacity of the gas pipeline or LNG terminal that is utilized in a period of three years after commissioning based on the promoter’s estimates.
83.	Additional Comments	Provide any additional relevant comments related to the technical parameters of the project.
	<b>Storage</b>	
84.	Name of the Storage facility *	Indicate the name of the storage facility
85.	Type of the storage facility	Select the type the storage facility is among the possible options.
86.	Is this a multiple-cycle facility?	Check the box in case the facility is multiple cycle. A multiple-cycle facility is an UGS which has the ability to have more than 1 injection/withdrawal cycle per year.
87.	Name of Project Phase	In case the project has several phases, indicate the name and then the related details for each of the phase.
88.	Increment of Working Volume (mcm)	Indicate the increment of the Working volume in mcm.
89.	Increment of Withdrawal Capacity (mcm/d)	Indicate the withdrawal capacity in mcm/d. This information must be consistent with the one provided in the Capacity Increment section (and used for modelling).

90.	Increment of Injection Capacity (mcm/d)	Indicate the injection capacity in mcm/d. This information must be consistent with the one provided in the Capacity Increment section (and used for modelling).
91.	Storage Expected Load Factor of UGS on Yearly Basis	Indicate the Storage Expected Load Factor of the UGS on a Yearly Basis
92.	Comments	Provide any relevant comments related to the described phase.
93.	Commissioning year	Indicate the commissioning year of the described phase. In case there is only one phase, the commissioning year should correspond to the commissioning year of the project. <b>Press “Add To Grid” button for the information to be saved and to create additional lines.</b>
94.	<u>New or repurposed infrastructure to carry hydrogen</u>	
95.	Please indicate the sub-category of project *	Please choose one of the available options out of the list.
96.	Name of section/ Phase	In case the project has several phases, indicate the name and then the related details for each of the phase.
97.	Please provide the main technical parameters of the project such as: installed capacity, compressor power, pipe connecting to the gas transmission grid, etc.	This is a free text box where you should provide the relevant technical parameters of the project such as: installed capacity, compressor power, pipe connecting to the gas transmission grid, etc.
98.	Comments	Provide any relevant comments related to the described phase.
99.	Commissioning Year	Indicate the commissioning year of the described phase. In case there is only one phase, the commissioning year should correspond to the commissioning year of the project. <b>Press “Add To Grid” button for the information to be saved and to create additional lines.</b>
100.	In case of hydrogen transmission pipeline, does the project enable the transmission of hydrogen across borders of the MS or increase existing hydrogen transport capacity at a border by at least 10 % compared to the situation prior to the commissioning of the project?	Self-explanatory
101.	Please justify your answer	Self-explanatory

102.	<a href="#">Projects for retrofitting infrastructure to further integrate hydrogen</a>	
103.	Please indicate the sub-category of project *	Please choose one of the available options out of the list.
104.	Name of section/ Phase	In case the project has several phases, indicate the name and then the related details for each of the phase.
105.	Please provide the main technical parameters of the project such as: installed capacity, compressor power, pipe connecting to the gas transmission grid, etc.	This is a free text box where you should provide the relevant technical parameters of the project such as: installed capacity, compressor power, pipe connecting to the gas transmission grid, etc.
106.	Comments	Provide any relevant comments related to the described phase.
107.	Commissioning Year	Indicate the commissioning year of the described phase. In case there is only one phase, the commissioning year should correspond to the commissioning year of the project. <b>Press “Add To Grid” button for the information to be saved and to create additional lines.</b>
108.	Please indicate the expected load factor of your project (when completed) on yearly basis *	Indicate the expected load factor after completion on a yearly basis in percentage. Load factor is defined as the percentage of the capacity that is utilized after the commissioning based on promoter’s estimates. In case this question is not applicable for you please fill in “0”.
109.	Please indicate the expected load factor of your project (when completed) under peak situation *	Indicate the expected factor under peak situation in percentage. In case this question is not applicable for you please fill in “0”.
110.	<a href="#">Biomethane developments projects</a>	
111.	Please indicate the sub-category of project *	Please choose one of the available options out of the list.
112.	Please specify the expected load factor for summer and winter and the expected prevailing directions of flows *	Question only visible for projects enabling the reverse flow of biomethane between DSO and TSO. Specify the expected load factors for summer and winter and the expected prevailing flow directions Load factor is defined as the percentage of the capacity of the pipeline that is utilized in a period of three years after commissioning based on the promoter’s estimates.
113.	Name of section/ Phase	In case the project has several phases, indicate the name and then the related details for each of the phase.

114.	Please provide the main technical parameters of the project such as: installed capacity, compressor power, pipe connecting to the gas transmission grid, etc.	This is a free text box where you should provide the relevant technical parameters of the project such as: installed capacity, compressor power, pipe connecting to the gas transmission grid, etc.
115.	Comments	Provide any relevant comments related to the described phase.
116.	Commissioning Year	Indicate the commissioning year of the described phase. In case there is only one phase, the commissioning year should correspond to the commissioning year of the project. <b>Press “Add To Grid” button for the information to be saved and to create additional lines.</b>
117.	<u>Other infrastructure related projects</u>	
118.	Please indicate the sub-category of project *	Please choose one of the available options out of the list. If the a suitable sub-category is not among those listed, click “any other infrastructure related projects” and use the next box to provide comments.
119.	If others, please comment	This question needs to be filled in case “any other infrastructure related projects” is selected. Please specify the type of project.
120.	Name of section/ Phase	In case the project has several phases, indicate the name and then the related details for each of the phase.
121.	Please provide the main technical parameters of the project such as: installed capacity, compressor power, pipe connecting to the gas transmission grid, etc.	This is a free text box where you should provide the relevant technical parameters of the project such as: installed capacity, compressor power, pipe connecting to the gas transmission grid, etc.
122.	Comments	Provide any relevant comments related to the described phase.
123.	Commissioning Year	Indicate the commissioning year of the described phase. In case there is only one phase, the commissioning year should correspond to the commissioning year of the project. <b>Press “Add To Grid” button for the information to be saved and to create additional lines.</b>
124.	Please describe the sources of CO2 *	Indicate the source of the CO2, which will be transported or stored.
125.	Please describe the planned usage or storage of the transported CO2 *	In case the CO2 will be further used, please indicate for which purpose the CO2 will be used. In case the CO2 will be stored, indicate where and how the CO2 will be stored.

126.	<b>Production facilities</b>	This section is only visible for the Categories HYD, BIO and OTH and the questions need to be filled <b>only in case your project is or include a electrolyzer and other production facilities</b> for Hydrogen or Biomethane.
127.	Please indicate the expected efficiency and the average daily consumption of the production facility.	Indicate the expected efficiency in % and the average daily consumption.
128.	Please indicate the expected operating mode	Select one of the following options from the operating mode list. If the operating mode is not among those listed, click "Other type of supply".
129.	Please indicate the grid connection capacity to/from the production facility on hourly and daily basis.	Self-explanatory
130.	Please indicate the expected CO2 emissions (tons/MWh of the conversion)	Self-explanatory
131.	Please indicate the expected entry and exit prices (in EUR / MWh)	Self-explanatory
132.	Please indicate the expected load factor of your project (when completed) on yearly basis *	Indicate the expected load factor after completion on a yearly basis in percentage. Load factor is defined as the percentage of the capacity that is utilized after the commissioning based on promoter's estimates In case this question is not applicable for you please fill in "0".
133.	Please indicate the expected load factor of your project (when completed) under peak situation *	Indicate the expected factor under peak situation in percentage. In case this question is not applicable for you please fill in "0".
	<b>Project of Common Interest(PCI) Label</b>	<b>Section refers to information about PCI projects and intention to apply for the next PCI list.</b>
134.	Is your project in the currently legal PCI list ?	Thick the box if your project is part of the 4 <sup>th</sup> PCI list issued in October 2019 <sup>10</sup> .
135.	PCI Name*	Select the PCI cluster/name of your PCI project as it appears in the 4 <sup>th</sup> PCI list.
136.	Do you intend to apply for PCI label in the next PCI round ? *	Thick the box if you intend to apply for the 6th PCI list. <b>Important:</b> ENTSG will run the project-specific CBA on your project in TYNDP 2022 only if you select this option (see section 8 for further details).
137.	Was your project part of any other PCI Lists?	In case your project was part of the PCI List from 2013 and/or 2015, 2017 please select accordingly.

<sup>10</sup> [Link](#) to the 4<sup>th</sup> PCI List




138.	Which criteria are fulfilled by your project ? *	Thick the relevant box(es) in case your project is a PCI or you intend to apply to the next PCI round.
139.	Which specific criteria are fulfilled by your project ? *	Thick the relevant box(es) in case your project is a PCI or you intend to apply to the next PCI round.
140.	Please justify your answer*	Provide the necessary justification for the criteria you have chosen before.
141.	Is the project also part of the latest Energy Community PEI or PMI list?	Thick the box in case your project is part of the latest Project of Energy Community Interest or Project of Mutual Interest list.
	<u>Variant for Modelling</u>	<b>Provide under this section information on the projects variant(s). In case there are several variants, the variant to be used for project modelling should be indicated. All the other variants will be displayed in TYNDP Annex A but not considered for modelling.</b>
142.	Variant Name	Provide a relevant name for the variant(s) inserted.
143.	Variant Description	Provide a description for the variant(s) indicating a few features of the variant.
144.	Considered for Modelling	Indicate the variant which should be used by ENTSOG for modelling the project. Please note that only one variant can be selected for modelling <b>Press “Add To Grid” button for the information to be saved and to create additional lines.</b>
	<u>Increments in Entry/Exit Capacity</u>	<b>The capacity increments that the project bring should be provided under this section.</b> <b>Attention: failing to provide this information will result in the project being modelled with ZERO capacity increment and therefore with no impact at all of the project in the assessment.</b>
145.	Capacity increment is related to	Please select the transportable/storable gases by activating the check boxes and indicate the corresponding share of each selected gas compared to the total capacity in %.
146.	Operator	Select the operator for which you want to submit the increment
147.	Point	Select an interconnection point whose capacity will be modified by the project
148.	Flow Direction	Selecting “entry” means that ENTSOG will take into account your increment as additional firm capacity for gas to enter your system at the indicated interconnection point, resulting from the implementation of the project. Selecting “exit” means that ENTSOG will take into account your increment as additional firm

		capacity for gas to exit your system at the indicated interconnection point, resulting from the implementation of the project.
149.	Status	Promoter does not need to input data. The status will be automatically filled on by the system.
150.	Variant	Select the variant which to be used for modelling as indicated in the “Variant for modelling” section.
151.	Commissioning Year	Indicate the year when the incremental capacity is available. ENTSOG will model such capacity as available for the 1 <sup>st</sup> January of the following year.
152.	Increment	<p>Indicate the capacity (in GWh/day) brought by your project in the selected interconnection point in case of normal demand conditions. On this value ENTSOG will apply the Lesser-of-rule as explained in 11.9.3 and 11.9.4 of this document.</p> <p><b>Press “Add To Grid” button for the information to be saved and to create additional lines.</b></p> <p><b>Note1: please be informed that if you submit an increment but the project promoter responsible of submitting the capacity on the other side (e.g. in case of two sides of an interconnector where each of the two promoters will be responsible only of their section) do not declare any capacity, ENTSOG will consider ZERO for modelling.</b></p> <p><b>Note2:</b> In case of a project between a country in the TYNDP perimeter and one outside it we will consider the capacity provided by the project side in the TYNDP perimeter unless there is an Operational Point Direction (OPD) defined also for the country outside the TYNDP perimeter.</p>
153.	Peak Increment	<p>Indicate the incremental capacity (in GWh/day) brought by your project in the selected interconnection point in case of peak demand conditions. This figure represents the highest firm technical capacity the TSO is able to transport when high demand situation occurs. On this value ENTSOG will apply the Lesser-of-rule as explained in 11.9.3 and 11.9.4 of this document.</p> <p><b>Press “Add To Grid” button for the information to be saved and to create additional lines.</b></p> <p><b>Note:</b> in case there is no difference in the capacity that the project can provide in normal and peak demand conditions, please indicate here the same value as for the “Increment” box.</p>
154.	Comment	Add any comments you might have on the projected increment.

	Cross Border Cost Allocation and Financial Assistance	<b>This section collects relevant information with respect to the project CBCA and financial assistance (to be) provided to the project. This information will be published as part of TYNDP Annex A.</b>
155.	Does your project have a CBCA decision by NRAs or ACER ? *	Cross-Border Cost Allocation (CBCA) deals with distribution of costs among all the countries which are affected positively and/or negatively by a gas infrastructure project having cross-border impact. A (CBCA) decision is issued by the relevant NRA or ACER following an investment request submitted beforehand by the project promoter. Please select the option which is relevant for your project.
156.	If option 1, 2 or 3 - When the investment request was submitted/or you plan to submit it?	In case you have submitted the investment request or plan to do it, indicate the date of submission or the date you plan to submit it.
157.	If option 1 - When was the decision taken?	In case a CBCA decision was taken/issued, indicate the date of the decision.
158.	If option 1 - Please provide CBCA Decision Website	In case a CBCA decision was taken/issued, indicate the website (link) where the decision is available.
159.	If option 1 - Please list the countries identified from the CBCA decision as net benefiting countries	In some cases, a CBCA decision can identify one or more countries as net beneficiaries of the project. Check the relevant country(ies) listed in the box
160.	If option 1 - Please list the countries identified from the CBCA decision as net cost bearers	In some cases, a CBCA decision can identify one or more countries as net bearers of the project cost. Check the relevant country(ies) listed in the box
161.	Please provide any additional comments	Provide any additional information which you may consider relevant for this topic.
162.	Have you already applied for financial support from the Connecting Europe Facility (CEF) *	PCI projects are eligible for EU grants. Promoters can apply for financial support for studies and/or construction related works via the CEF programme which is a key EU funding instrument. Indicate if you have applied or intend to apply for such financial support.
163.	If option 1 or 2 in above box list - Did your project request Union financial assistance in the form of grants for studies?	Check the box if you applied for grants for studies under CEF.
164.	Did you receive any grants for studies following your request? *	Indicate if you received grants for studies following your request by selecting "Yes" or "No". If you haven't requested grants for studies select "Not applicable".
165.	If yes, please indicate the amount [mIn EUR]	If the case, indicate the amount of money in mIn EUR that was granted for studies

166.	If option 1 or 2 - Did your project request Union financial assistance in the form of grants for works?	If you applied for grants for works under CEF select “Yes” otherwise select “No”.
167.	Did you receive any grants for work following your request? *	Indicate if you received grants for work following your request by selecting “Yes” or “No”. If you haven’t requested work for studies select “Not applicable”.
168.	If yes, please indicate the amount [mIn EUR]	If the case, indicate the amount of money in mIn EUR that was granted for the construction related works
169.	If option 3 - Do you intend to apply for financial support from the Connecting Europe Facility?	In case you have not applied yet for financial support from CEF, indicate if you plan to do this in the future.
170.	Have you received any financial support from funding programs other than CEF at European, regional or national level?	Beside CEF, other funding programs are available. Indicate if your project received financial grants via programs other than CEF.
171.	Please Provide details	If the case, indicate details regarding the financial support received by mentioning the program, the amount received, the date you received the grants, etc.
172.	Do you plan to apply for any other type of financial assistance?	Indicate if you plan or have already applied for any other type of financial assistance. If yes please provide further details.
173.	Please Provide any further relevant details	Provide any additional information which you may consider relevant for this section.
	<div>Project Schedule</div>	<p><b>The data to be provided in this section are related to the overall project. E.g. for Feasibility: Start date should correspond to the start of feasibility for 1<sup>st</sup> phase while End date should correspond to the end of feasibility for the last phase of the project. If certain phases of the project cannot be assimilated to the overall project due to big gaps in terms of project maturity, then 2 or more projects should be created and submitted in the portal.</b></p> <p><b>The information requested to promoters in this section will be used by ENTSOG also to verify the compliance with the PID provisions. Promoters are therefore expected to fill in this information properly. Failing in providing this information may prevent ENTSOG to assess whether a promoter meets the criteria defined in the PID, resulting in the project rejection.</b></p>
174.	Pre-Feasibility*	Indicate the start date and the end date of the pre-feasibility study by using the calendars provided. If you only know the year (e.g. YYYY), enter 1/1/YYYY. If you know the month and the year (e.g. MM), enter 1/MM/YYYY). Otherwise, enter the full date. In case no data is available, please tick “No data” and provide in the box the reason.

175.	Feasibility*	Indicate the start date and the end date of the feasibility study by using the calendars provided. If you only know the year (e.g. YYYY), enter 1/1/YYYY. If you know the month and the year (e.g. MM), enter 1/MM/YYYY. Otherwise, enter the full date.  In case no data is available, please tick “No data” and provide in the box the reason.
176.	FEED*	Indicate the start date and the end date of the Front End Engineering Design (FEED) by using the calendars provided. If you only know the year (e.g. YYYY), enter 1/1/YYYY. If you know the month and the year (e.g. MM), enter 1/MM/YYYY. Otherwise, enter the full date.  In case no data is available, please tick “No data” and provide in the box the reason.
177.	Permitting Phase*	Indicate the start date and the end date of the permitting phase by using the calendars provided. If you only know the year (e.g. YYYY), enter 1/1/YYYY. If you know the month and the year (e.g. MM), enter 1/MM/YYYY. Otherwise, enter the full date.  In case no data is available, please tick “No data” and provide in the box the reason.
178.	Supply Contracts*	With this question, we refer to services and products (long lead items, compressor stations, construction, etc.) to be procured from external service providers via tendering (and not the supply of the gas).  Indicate the date when the supply contracts have been signed by using the calendars provided. If you only know the year (e.g. YYYY), enter 1/1/YYYY. If you know the month and the year (e.g. MM), enter 1/MM/YYYY. Otherwise, enter the full date.  In case no data is available, please tick “No data” and provide in the box the reason.
179.	Expected FID date*	If the project has not taken FID, please indicate the expected FID date.
180.	Construction – missing in the portal*	Indicate the start date and the end date of the permitting phase by using the calendars provided. If you only know the year (e.g. YYYY), enter 1/1/YYYY. If you know the month and the year (e.g. MM), enter 1/MM/YYYY. Otherwise, enter the full date.
181.	Project Advancement*	Indicate if your project is under development (“ <b>In progress</b> ”) or if the project is frozen (“ <b>On hold</b> ”). Your project will then appear as “Planned and In Progress” or “Planned and On Hold”.
182.	Comments about Project Advancement	Provide comments regarding the project advancement
183.	Project's Commissioning Year	If not provided in the “Increments in Entry/Exit Capacity” section, indicate the estimated project's commissioning year.

184.	Date of grant obtention for studies/for works	If the case, indicate the date when the grant for studies/works have been obtained.
185.	Comments about the schedule, including Realization Conditions	Please enter any additional comment on the schedule, and precise the conditions for realization if there are any.
186.	Compared to previous TYNDP indicate if your project is:	If the project was included in TYNDP 2017 you provided a project schedule as done above for TYNDP 2018. Indicate if, compared to the schedule/status indicated in TYNDP 2017, your project is now <b>“on time”</b> i.e. you keep the same commissioning year, <b>“ahead of schedule”</b> i.e. the commissioning year has been moved earlier, <b>“delayed”</b> i.e. the commissioning year has been moved later, or <b>“rescheduled”</b> meaning that the concept of the project has been reviewed and changed.
187.	Delay Explanation:	In case you selected <b>“delayed”</b> or <b>“rescheduled”</b> before, please provide the reasons for the delay/rescheduling.
	<b><u>Project Expected Impact</u></b> 	Questions under this section are designed to gather information regarding the expected impact and benefits of your projects.
188.	Main Project Driver (s) *	Select from the list the main driver which triggered the project.
189.	Comments on the Main Project Driver	Provide any comments by explaining the context in which the main driver triggered the project
190.	Comments about Project Benefits	Provide the benefits of your project both national and cross-border.
191.	In line with the definition of Gasification provided in the Handbook, does your project contribute to the gasification of a country or the gasification of specific area not reached yet by Gas *	Here you can select whether the project brings gas to (1) a country not yet reached by gas or (2) to an isolated area of a country not reached by gas even if the country itself gas is already consumed or (3) to an specific sector replacing other fuels. If this is not the case, select <b>“No”</b> .  In case your project contributes to the gasification please justify and quantify the selected answer.
192.	Impacted countries and relevant information *	List the impacted countries further and give relevant information
193.	Does your project contribute to the following (only visible for specific project categories) *	Select from the list the corresponding answers. Multiple selection is possible
194.	Does your project include new digital solutions *	Indicate <b>“Yes”</b> or <b>“No”</b> . In case of yes please provide further details.
195.	Does your project enable the integration with the electricity, heating, water or telecommunication network *	Indicate <b>“Yes”</b> or <b>“No”</b> . In case of yes please provide further details.

	<div>Gas Sourcing*</div>	<p><b>In this section you have to select from the list the country/sources where the gas for your project is produced. In case it is LNG, further indicate the country the LNG is coming from.</b></p>
196.	Please provide the background for the gas sources the project will be supplied with*	Promoter should indicate any information which could bring evidence that the selected gas source will feed the projects (e.g. Supply Contracts, other agreements, etc.).
197.	<div>Measures / Actions to reduce methane emissions</div>	Only applicable for TRA, UGS, LNG & RET Category. The section is divided. The first part concentrate on measures during the engineering, design and construction phase. The second part include questions regarding mitigating measures during start up and operation.
198.	Does the design and construction of the project minimizes the number of connections and components that commonly leak? *	If the design and construction considers the minimization of connections and components that commonly leak select <b>"Yes"</b> otherwise select <b>"No"</b> . Proofing documents can be uploaded.
199.	Does the design and construction include measures for recapture/reuse of gas when possible (compressors, analysis equipment...)? *	If the design and construction includes measures for recapture/reuse of gas select <b>"Yes"</b> otherwise select <b>"No"</b> . Proofing documents can be uploaded.
200.	Does the design and construction avoid or minimize the installation of vents (TRA and UGS only)? *	If the design and construction avoid or minimize the installation of vents select <b>"Yes"</b> otherwise select <b>"No"</b> . If is question is not relevant please select <b>"N/A"</b> . Further comments can be included.
201.	Does the design and construction prioritize the use of electric, mechanical and compressed air equipment (pneumatic controllers, compressor starters)? *	If the design and construction prioritize the use of electric, mechanical and compressed air equipment select <b>"Yes"</b> otherwise select <b>"No"</b> . Proofing documents can be uploaded.
202.	In case that devices powered by natural gas are the best option, will lower emissions devices be used (instead of highbleed controllers)? *	If lower emissions devices are used where natural gas devices are the best option select <b>"Yes"</b> otherwise select <b>"No"</b> . Further comments can be included.
203.	Does the design and construction foresee to install dry disconnect couplings in the LNG truck loading facilities (LNG only)? *	If the design and construction foresee to install dry disconnect couplings in the LNG truck loading facilities select <b>"Yes"</b> otherwise select <b>"No"</b> . This question is only relevant for Terminal projects, promoter of other projects categories select <b>"N/A"</b> .
204.	Does the design and construction consider to implement BOG recovery units to recover, compress and send the BOG to the recondenser to be converted to LNG (LNG only) *	If the design and construction consider to implement BOG recovery units select <b>"Yes"</b> otherwise select <b>"No"</b> . This question is only relevant for Terminal projects, promoter of other projects categories select <b>"N/A"</b> .
205.	Is it planned to install automated air/fuel ratio controls? *	If it is planned to install automated air/fuel ratio controls select <b>"Yes"</b> otherwise select <b>"No"</b> .



206.	Please provide an estimation of the expected methane emissions [in kg CH <sub>4</sub> /y] once the facility has been commissioned and describe how these emissions were calculated. If not applicable, please justify. *	Estimation of the expected methane emission of the project(s). If N/A please provide explanation on the reason(s). Indicate which methodology was used. One example could be a estimation based on Marcogaz methodology for submission of methane emissions for existing infrastructure. Further information can be found here: <a href="https://www.marcogaz.org/wp-content/uploads/2021/04/WG_ME-710.pdf">https://www.marcogaz.org/wp-content/uploads/2021/04/WG_ME-710.pdf</a>
207.	Are periodic leak detection and repair (LDAR) programs for fugitive emissions planned during the start-up phase? *	Indicate if periodic leak detection and repair (LDAR) programs for fugitive emissions are planned. Select one of the available options and use the comment box for further comments. More information can be found on: <a href="https://www.marcogaz.org/publications/recommendations-on-ldar-campaigns/">https://www.marcogaz.org/publications/recommendations-on-ldar-campaigns/</a>
208.	Are steps planned to reduce venting from routine maintenance repairs when pipelines and or large vessels need to be depressurized during operation?	Indicate if steps are planned to reduce venting from routine maintenance repairs when pipelines and /or large vessels need to be depressurized during operation. Select one of the available options and use the comment box for further explanations.
209.	Does the operator plan to minimize the volume that has to be depressurized during venting?	Indicate if the operator plans to minimize the volume that has to be depressed by choosing one of the available answer options.
210.	Does the operator plan to use pumpdowns for depressurizing pipelines and large vessels during maintenance?	Indicate if the operator plans to use pump downs for depressurizing pipelines and large vessels during the maintenance by choosing one of the available answer options.
211.	Does the operator plan the usage of hot-taps to make connections to pipelines?	Indicate if the operator plan the usage of hot taps to make connections to pipelines by choosing one of the available options.
212.	Is it planned to use portable compressors to avoid vents during start-up and operation?	Indicate if it's planned to use portable compressors to avoid vents during start-up and operations by choosing one of the available options.
213.	In case that venting can not be avoided will vented gases flared?	Indicate if in case venting cannot be avoided vented gases will be flared by choosing one of the available options.
214.	Will LNG truck loading nitro injection or dry coupling used to avoid venting (LNG only)? *	If LNG truck loading nitro injection or dry coupling used to avoid venting select <b>"Yes"</b> otherwise select <b>"No"</b> . This question is only relevant for Terminal projects, promoter of other projects categories select <b>"N/A"</b> .
215.	Are LNG terminals BOG compressors used under normal operation conditions (LNG only)? *	If LNG terminals BOG compressors are used under normal operation conditions select <b>"Yes"</b> otherwise select <b>"No"</b> . This question is only relevant for Terminal projects, promoter of other projects categories select <b>"N/A"</b> .
216.	Does the operator aspires increasing the combustion efficiency of natural-gas powered engines? *	Indicate if the operator aspires increasing combustion efficiency of natural gas powered engines by choosing one of the following options.

217.	Does the operator aspire to minimize number of start-ups (engines, turbines and fired heaters)? *	Indicate if the operator aspires to minimize number of starts-ups (engines, turbines and fired heaters) by choosing one of the following options.
218.	It is mandatory to keep an accurate inventory of flaring activities during start-up and operation (UGS, LNG only)? *	If it is mandatory to keep an accurate inventory of flaring activities during start-up and operations select “Yes” otherwise select “No”.
219.	Please list technical evidence to support the implementation of the selected mitigation measures (during engineering design, construction and start-up stages of the project).	List the technical evidence to back up the listed mitigation measures.
220.	Additional Mitigation measures (not included above).	If there are additional measure to mitigate methane emissions please list them here. Or provide justification when a mitigation measure it NOT applicable to the project group.
221.	Did Promoter(s) join/intend to join the OGMP 2.0 Reporting Framework? *	If the promoter(s) join or intend to join the OGMP 2.0 Reporting Framework select “Yes” otherwise select “No”. If intended in the near future please give an approx. Date/Year in the comment Box.
	<u>Intergovernmental Agreement</u>	<b>In case there is an envisaged or concluded Intergovernmental Agreement which concerns the submitted project, the relevant information can to be provided under this section.</b>
222.	Agreement Name	In case there is an Intergovernmental Agreement for your project, indicate the name.
223.	Signed	Check the box if the Intergovernmental Agreement has been signed by all involved parties.
224.	Date	If the case, indicate the date of signature by using the calendar
225.	Description	Indicate the object of the Intergovernmental Agreement and the parties involved.
226.	Other comments	Provide any comments which you consider relevant for this section. <b>Press “Add To Grid” button for the information to be saved and to create additional lines.</b>
	<u>Barriers in Implementation</u>	
227.	Regulatory Framework	In case the existing regulatory framework is a barrier for implementing your project, select the relevant reasons. If the reasons are not among those listed, click “Other please specify” and use the displayed box to provide the reasons.

228.	Others Regulatory Barriers, please explain	The box displays if selected “Other please specify” in field “Regulatory Framework”.
229.	Permit granting	In case the existing permit granting procedure is a barrier for implementing your project, provide in the box the relevant explanations.
230.	Financing	In case the financing of the project is a barrier for implementing your project, select the relevant reasons. If the reasons are not among those listed, click “Other please specify” and use the displayed box to provide the reasons.
231.	Other Financing Barriers, please explain	The box displays if selected “Other please specify” in field “Financing”.
232.	Political	In case the existing political environment is a barrier for implementing your project, provide in the box the relevant explanations.
233.	Market	In case the existing market conditions are a barrier for implementing your project, select the relevant reasons. If the reasons are not among those listed, click “Other please specify” and use the displayed box to provide the reasons.
234.	Other Market Barriers, please explain	The box displays if selected “Other please specify” in field “Market”.
235.	Project acceptability by the local community	Indicate how the local community evaluate the project.
236.	Technical/Technological	In case that there are any technical or technological barriers please list and explain them
237.	Value chain	Indicate if one or both options are barriers for the implementation of your project(s) with regard to the value chain by selecting the checkboxes.
238.	Other Barriers, please explain	If the barriers for your project are not among those proposed by ENTSOG in the questionnaire, use this box to provide them.
239.	Which incentives would support your project implementation	According to the Regulation 347/2013 on guidelines for trans-European energy infrastructure, incentives may be granted to projects in order to support their implementation. Provide in the box those incentives which may help your project. Those incentive which may support your project
240.	Have you received additional regulatory incentives for your PCI project	If the case, indicate in the box the regulatory incentives that have been already granted for your project.
	<u>Legal Notice</u>	<b>In order to be able to submit the project, you need to acknowledge, confirm or undertake the terms listed under the legal notice. If you agree, check the box “I confirm” at the end of the legal notice</b>
	<u>MAP</u>	<b>The project maps collected from the promoters enable ENTSOG to create the TYNDP Map. Failing to provide the location of the project will prevent the project</b>

		<b>to comply with one of the technical criteria defined in the PID and it will result in the rejection of the project.</b>
241.	Please upload a map of your project *	<p>For this purpose, use the following steps:</p> <ul style="list-style-type: none"> <li>- Open the Annex IV - Map Positioning Template Power Point file</li> <li>- Create the Project Layout as explained in the Power Point file.</li> <li>- Upload the Power Point file in this section</li> </ul> <p>In case of virtual projects, please represent on the map the physical points which constitute the virtual point.</p> <p><b>Note 1:</b> the map to be uploaded must be a ppt file</p> <p><b>Note 2:</b> in case a project is in a phase where alternative options are still possible promoters can upload more options but have to indicate the most plausible.</p>
	<u>Upload Document</u>	<b>Promoter has the opportunity to upload any relevant document for the project collection.</b>
242.	Please upload any additional document	Upload any additional document which you did not have the chance to upload in the relevant sections of the questionnaire.
	<u>[205]- Attachements</u>	<b>A list of all documents attached is provided under this section.</b>