



AGÊNCIA
PORTUGUESA
DO AMBIENTE

Workshop

Regras de alocação gratuita de Licenças de Emissão 4º período CELE

4.1 Relatório de Dados de Referência (Formulário NIMs)

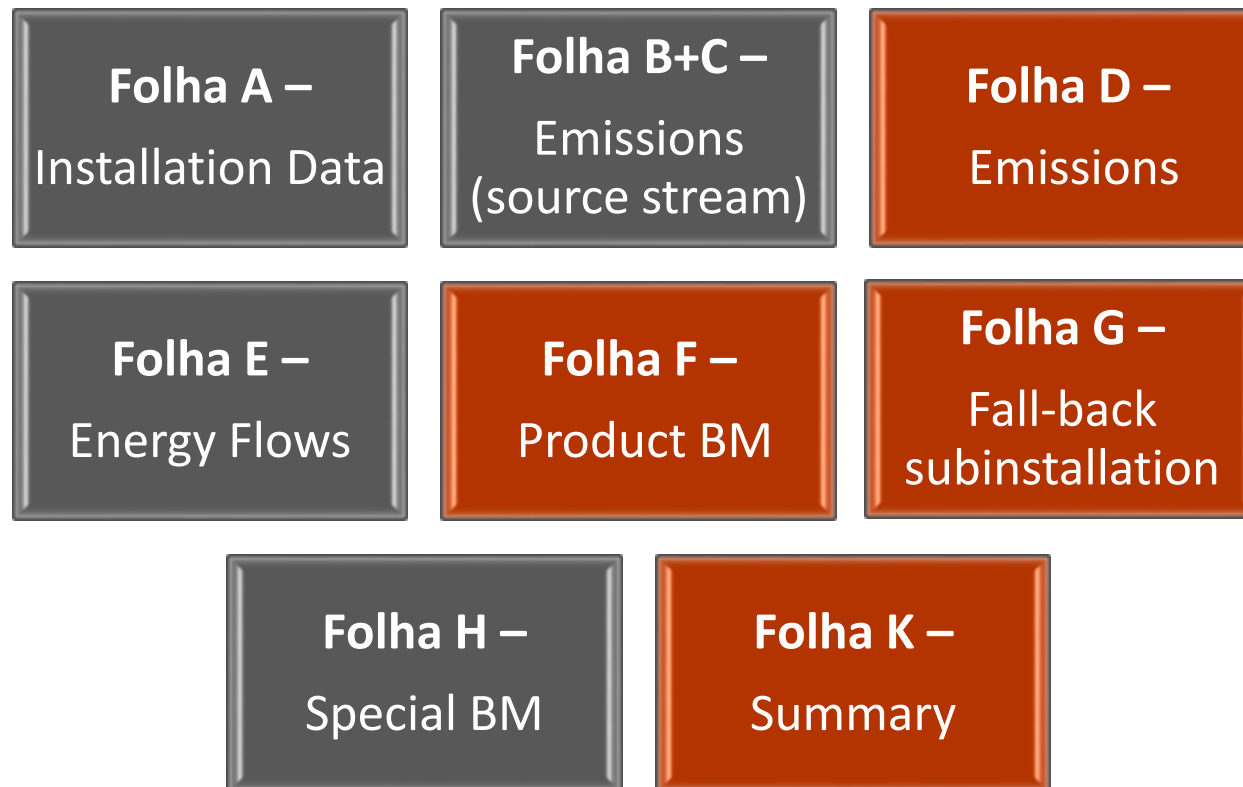
O que muda?

Determinação dos novos valores de BM válidos para a atribuição gratuita 2021-2025

2. Estrutura do Formulário NIMs



Formulário NIMs



2. Formulário NIMs

✓ Folha D

III Cogeneration tool

Are combined heat and power (CHP) units relevant?

This is a tool for assigning fuels and emissions of CHPs for the purpose of updating the benchmark values pursuant to Annex VII, chapter 8.

Please enter "false" here if there is no CHP relevant at your installation. If this is the case the whole tool is not relevant and will be greyed out.

Please note that emissions associated with imported heat might also be relevant for certain sub-installations. Where this imported heat is produced from CHPs in other installations, this tool might be relevant too, if further information on the relevant data from the supplier is known.

This tool exists twofold in this template and each tool should only be used for one CHP. If more CHPs are relevant, a separate template might be used to provide relevant information.

Periods during which the CHP is operated in heat-only or electricity-only generation mode (i.e. periods during which only one of the two products was produced) should be excluded and assignment of fuels and emissions should be calculated separately in accordance with the provisions in sections 10.1.2 and 10.1.3 of Annex VII.

1 Tool for calculating the emissions attributable to heat production in combined heat and power units (CHP)

(Ferramenta para calcular emissões atribuíveis à produção de calor em cogeração)

IV Waste gas tool

Does the installation consume waste gases produced outside the boundaries of a product benchmark?

Pursuant to the definition given in Articles 2(10) and 2(11) of the FAR, (combustible) waste gases occurring outside the boundaries of product benchmarks are considered process emissions.

However, for waste gases a CO₂ amount equivalent to natural gas used for the "technically usable energy content" is to be subtracted from the total process emissions.

The amount of process emissions without this subtraction is referred to as "uncorrected process emissions" below.

In order to determine the "technically usable energy content" the following information is needed:

- Amount of waste gases used for electricity production and for production of measurable or other heat outside of product benchmark sub-installations, or exported out of the installation;
- Optionally (for consistency checking) the process emissions associated with these waste gas amounts should be reported.
- Net calorific value of the waste gas;
- Assumptions for the different efficiency for the use of waste gas and natural gas. These assumptions are as follows: Efficiency of electricity production with natural gas is 52.5% with waste gases 35%;
- Emission factor of natural gas: 56.1 t CO₂/TJ.

Because both possible sub-installations can be concerned in one installation, or because different waste gases can occur, this "waste gas tool" exists twofold in this template.

1 Tool for calculating the amount of process emissions if waste gases are produced outside product benchmarks

(Ferramenta para calcular emissões de processo caso os gases residuais sejam produzidos fora dos limites do BM de produto)

2 novas secções para atualização dos valores de BM (2021-2025):

III. Ferramenta Cogeração

IV. Ferramenta Gases Residuais

2. Formulário NIMs

✓ Folha F e Folha G

Secções azuis para atualização dos valores de BM (2021-2025)

Data required for the determination of the benchmark improvement rate pursuant to Article 10a(2) of the EU ETS Directive

Sub-installation with product benchmark: **Refinery products**

This sub-section covers the attribution of emissions related to source streams, emissions sources, import and export of measurable heat and waste gases including heat losses in accordance with section 10 of Annex VII of the FAR.

Please note that although some guidance is provided for each of the points below, further information should be sought in Guidance Document No. 5 ("Monitoring and Reporting in relation to the FAR") which also includes examples.

The Guidance can be downloaded from:
https://ec.europa.eu/clima/policies/ets/allowances_en#tab-0-1

Upon entries made below, the attributable emissions are calculated in section K.III.2 of the summary sheet.

(g) Directly attributable emissions (DirEm*) (MP source streams) to this sub-installation
Data provided here will impact the attributable emissions in accordance with section 10.1.1 of Annex VII of the FAR.
Please enter here the Directly attributable emissions (DirEm (MP source streams)) to this sub-installation taking into account the following provisions:*

- The "directly attributable emissions" are monitored in line with the monitoring plan approved under the MIPFR, i.e. taking into account the emissions from calculation based methodologies (using source streams), measurement based methodologies (CEMS) as well as no-tier approaches ("fall-backs").
- However, in several situations the "directly attributable emissions" in this section are not identical to those reported under the MIPFR. Such situations include e.g. source streams used for the production of measurable heat, waste gases etc. In other words, care must be taken when filling the sections below to follow strictly the instructions in order to avoid double counting or omissions.
- Measurable heat: where the heat is exclusively produced for one sub-installation, the emissions may be directly attributed here via the fuel's emissions. Wherever fuels are used to produce measurable heat as "input" to more than one sub-installation where the heat is consumed (which includes situations with imports from and exports to other installations), the fuels should not be included in the "directly attributable emissions" of the sub-installation but under point (h) below.

"Inputs" include measurable heat from a unit onsite (e.g. a central power house at the installation, or a more complex steam network with several heat producing units) that supplies heat to more than one sub-installation. In such case, emissions should also not be attributed here but under point (h) below.

- Measurable heat exported: where such heat is recovered from the process and exported, no corrections should be made here. The deduction for the associated emissions will be done based on entries under point (h) below.
- Waste gases: emissions from waste gases which are IMPORTED from other installations or sub-installations and consumed in this sub-installation, should not be included here but under point (i) below.

Directly attributable emissions (DirEm*)	Unit	2014	2015	2016	2017	2018
Refinery products	t CO2e/year					

(h) Fuel input to this sub-installation and relevant emission factor
As required by Annex IV, section 2.4(a) of the FAR, please provide the total fuel input to the sub-installation and a corresponding weighted emission factor, taking into account the related energy content of each fuel which is included in the figure given under point (g), applying the same system boundaries as for point (g).
The term "fuel" should be understood as any source stream in accordance with the MIPFR Regulation that is combustible and for which a net calorific value can be determined. The weighted emission factor corresponds to the accumulated emissions from the fuels divided by the total energy content.
The weighted emission factor should furthermore include emissions from corresponding flue gas cleaning, if applicable.
Data provided here are only used for consistency checking and have no direct impact on either the attributable emissions or the allocation.

	Unit	2014	2015	2016	2017	2018
i. Fuel input	TJ / year					

Data required for the determination of the benchmark improvement rate pursuant to Article 10a(2) of the EU ETS Directive

Fall-Back sub-installation: **Heat benchmark sub-installation, CL**

This sub-section covers the attribution of emissions related to source streams, emissions sources, import and export of measurable heat and waste gases including heat losses in accordance with section 10 of Annex VII of the FAR.

Please note that although some guidance is provided for each of the points below, further information should be sought in Guidance Document No. 5 ("Monitoring and Reporting in relation to the FAR") which also includes examples.

The Guidance can be downloaded from:
https://ec.europa.eu/clima/policies/ets/allowances_en#tab-0-1

Upon entries made below, the attributable emissions are calculated in section K.III.2 of the summary sheet.

(c) Directly attributable emissions (DirEm*) to this sub-installation
Data provided here will impact the attributable emissions in accordance with section 10.1.1 of Annex VII of the FAR.
Please enter here the direct emissions taking into account the following provisions:

- The direct emissions are monitored in line with the MIP approved under the MIPFR, i.e. taking into account the emissions from calculation based methodologies (using source streams), measurement based methodologies (CEMS) as well as no-tier approaches ("fall-backs").
- However, in several situations the "direct emissions" in this section are not identical to those reported under the MIPFR. Such situations include e.g. source streams used for the production of measurable heat, waste gases etc. In other words, care must be taken fill the sections below following strictly the instructions below in order to avoid double counting or omissions.
- Measurable heat: where the heat is exclusively produced for this sub-installation, the emissions may be directly attributed here via the fuel's emissions. Wherever fuels are used to produce measurable heat which is consumed in more than one sub-installation (e.g. a central power house at the installation, or a more complex steam network with several heat producing units), the fuels should not be included in the direct emissions of the sub-installation but under point (i) below.
- Waste gases: emissions associated with measurable heat produced from waste gases imported from other installations or sub-installations and used in this sub-installation should not be included here, but under point (j) below.

Total direct emissions	Unit	2014	2015	2016	2017	2018
Heat benchmark sub-installation, CL	t CO2e/year					

(d) Fuel input to this sub-installation and relevant emission factor
As required by FAR Annex IV, section 2.4(a), please provide the total fuel input and a corresponding weighted emission factor taking into account the related energy content of each fuel. The term "fuel" should be understood as any source stream in accordance with the MIPFR Regulation that is combustible and for which a net calorific value can be determined. The weighted emission factor corresponds to the accumulated emissions from the fuels, including those used to produce measurable heat, divided by the total energy content. The weighted emission factor should furthermore include emissions from corresponding flue gas cleaning, if applicable.
Fuel input from waste gases includes the corresponding energy input to produce the measurable heat used by this sub-installation.
The values entered here are used for the waste gas balance in section E.III.h.
Data provided here are only used for consistency checking and have no direct impact on either the attributable emissions or the allocation.

	Unit	2014	2015	2016	2017	2018
i. Total fuel input	TJ / year					
ii. Weighted emission factor	t CO2 / TJ					
iii. Fuel input from waste gases	TJ / year					
iv. Specific EF (waste gas)	t CO2 / TJ					

2. Formulário NIMs

✓ Folha K

III Emissions and Energy Flows

2 Attribution of emissions to sub-installations (section D.II)

Data is taken automatically from corresponding entries in sheets F and G in the light blue boxes under each sub-installation.

The attributable emissions are determined as follows:

- = The direct emissions are monitored in line with the MP approved under the MRR, i.e. taking into account the emissions from calculation based methodologies (using source streams), measurement based methodologies (CEMS) as well as no-tier approaches ("fall-backs").
- +/- Emissions associated with further internal source streams
- +/- Amount of GHG imported and exported as feedstock
- + Emissions associated with imported heat in accordance with sections 10.1.2 and 10.1.3 of Annex VII of the FAR
- Emissions associated with exported heat in accordance with sections 10.1.2 and 10.1.3 of Annex VII of the FAR
- + Emissions associated with imported waste gases in accordance with section 10.1.5 of Annex VII of the FAR
- Emissions associated with exported waste gases in accordance with section 10.1.5 of Annex VII of the FAR by deducting the energy content multiplied with the emission factor of natural gas and the default correction factor of 0.667
- + Emissions associated with the relevant electricity consumption for sub-installations for which the exchangeability of the fuels and electricity is relevant.
- Emissions associated with electricity produced other than via measurable heat.

There are cases where the attributable emissions cannot be calculated for the draft preliminary allocation because the heat BM or fuel BM values are needed for the calculation. In such case, no values for the attributable emissions will be displayed as indicated by "not applicable (N.A.)". Those cases are:

- where no emission factor for imported or exported heat is applicable or known, i.e. where no such value has been entered. In such cases default values based on the heat BM will be used for calculating the attributable emissions, once known.
- where waste gases are imported. In this case the fuel BM will be used, once known.

The value "other emissions" is displayed for control purposes. It include emissions related to electricity production, flaring other than safety flaring, and other emissions which do not lead to free allocation.

If for at least one sub-installation "not applicable (N.A.)" is shown for any given year, the values for "other emissions" will not be shown either, in order to avoid any confusion.

Sub-installation level data:	Unit	2014	2015	2016	2017	2018
Refinery products	t CO2e/year					

K.III.2
Resultados das Emissões
Atribuíveis por
subinstalação com base
nos dados inseridos nas
secções azuis da folha F
e folha G

2. Formulário NIMs

✓ Folha K

IV Sub-installation data relevant for allocation and benchmark update purposes

1 Sub-installation with product benchmark 1:

		CL-exposed	EIExch?	Started	No. of BM	15(7).3?	BM value (min/max/actual)	
		N.A.		N.A.	N.A.		N.A.	EUA/tonnes
	non-ETS heat	WGflare	EIExch-F	HVC-Corr	VCM-F	15(7).3 HAL	N.A.	EUA/tonnes
Special factors:			1,0000				N.A.	EUA/tonnes
		Unit	2014	2015	2016	2017	2018	
HAL (Historic activity level) reported		tonnes						Average
Values used for HAL calculation:		tonnes						
	HAL total		Prelim Alloc Year 1 (min)		Prelim Alloc Year 1 (max)		Prelim Alloc Year 1 (actual)	
	tonnes / year		EUA / year		EUA / year		EUA / year	

Apresenta valor mínimo e máximo do novo BM (2021-2025) de acordo c/ metodologia de atualização definida na Diretiva CELE

V Calculation of preliminary annual amount of allowances allocated free of charge

1 Total preliminary annual amount of allowances allocated free of charge:

The amounts displayed here reflect the calculation of preliminary annual number of allowances allocated free of charge in accordance with paragraphs 1 to 7 of Article 16 of the FAR, i.e. the factors referred to in Annex V of the FAR (referred to as "Carbon leakage factor" below) have already been applied. Pursuant to Article 16(3) of the FAR, for the district heating sub-installation this factor will be 0.3 for all years.

If for a sub-installation the calculated preliminary annual amount of allowances allocated free of charge results in a negative value, it is set to zero instead.

(a) Calculation of the minimum, maximum, or actual preliminary allocation?

Based on the selection made here, the indicative minimum, maximum or actual preliminary allocation, as determined in section 1.2.2.1. Please note that the actual allocation can only be calculated once the new benchmark values are published. Before that, no calculation is performed below, if "actual" is selected. If this field is left empty, the minimum preliminary allocation will be used as the default for all calculations below.

- Minimum
- Maximum
- Actual

Sub-installation	2021	2022	2023	2024	2025
1					

Apresenta quantidade anual preliminar de LE de acordo com seleção (mínimo/máximo)



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Obrigada!

Núcleo CELE

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4.2. Plano Metodológico de Monitorização – Monitoring Methodology Plan (MMP)



Legislação aplicável ao MMP:

Regulamento Delegado (EU) 2019/331 da Comissão, de 19 de dezembro de 2018 (Regulamento FAR)

Artigo 8.º - Conteúdo e apresentação do MMP

Artigo 9.º - Alterações do MMP

Anexo VI - Conteúdo mínimo do MMP



1. Enquadramento do MMP



Plano Metodológico de Monitorização

O que é o MMP?

Plano que serve de base ao Relatório de Dados de Referência (Formulário NIMs) e ao Relatório de Verificação

Quem deve entregar o MMP?

Os operadores que se candidatam à atribuição de licenças a título gratuito devem submeter o MMP devidamente verificado juntamente com esse pedido

Quem aprova?

Agência Portuguesa do Ambiente, I.P. (APA)



1. Enquadramento do MMP



Plano Metodológico de Monitorização

O que muda?

Word

Excel



a	Navigation area: Top of sheet End of sheet		Next sheet	Summary
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MONITORING METHODOLOGY PLAN for Phase 4 of the EU ETS

CONTENTS

- [GUIDELINES AND CONDITIONS](#)
- A. [Monitoring Methodology Plan versions](#)
 - ! [List of monitoring methodology plan versions](#)
- B. [INSTALLATION DATA](#)
 - ! [Identification of the Installation](#)
- C. [INSTALLATION DESCRIPTION](#)
 - ! [List of sub-installations](#)
 - !! [Description of the installation](#)
 - !!! [Connections to other EU ETS installations or non-ETS entities](#)
- D. [Methods and procedures at installation level](#)
 - ! [Methods at installation level](#)
 - !! [Procedures](#)
- E. [Energy Flows](#)
 - ! [Fuel input](#)
 - !! [Measurable heat at installation level](#)
 - !!! [Waste gas balance at installation level](#)
 - IV [Electricity at installation level](#)
- F. [Sheet "ProductBM" - SUB-INSTALLATIONS AND PRODUCT BENCHMARKS](#)
 - ! [Product BM sub-installations](#)
- G. [Sheet "Fall-back" - SUB-INSTALLATIONS AND FALL-BACK SUB-INSTALLATIONS](#)
 - ! [Fall-back sub-installations](#)
- H. [Sheet "SpecialBM" - SUB-INSTALLATIONS AND PRODUCT BENCHMARKS](#)
 - ! [CWT \(Refined\)](#)
 - !! [Lime](#)
 - !!! [Dolomite](#)
 - IV [Steam](#)
 - V [CWT \(Asphalt\)](#)
 - VI [Hydrogen](#)
 - VII [Synthesis gas](#)
 - VIII [Ethylene oxide / glycols](#)
 - IX [Vinyl chloride monomer \(VCM\)](#)
- I. [Sheet "MSspecific" - ADDITIONAL DATA REQUIREMENTS BY THE MEMBER STATE](#)
 - ! [To be defined by the Member State](#)
- J. [Sheet "Comments" - COMMENTS AND FURTHER INFORMATION](#)
 - ! [Documents supporting this report](#)

Metodologia que dá origem aos dados do Formulário NIMS

A_VersionMMP	B_InstallationData	C_InstallationDescription	D_MethodsProcedures	E_EnergyFlows	F_ProductBM	G_Fall-back	H_SpecialBM
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2. Formulário MMP

Formulário MMP



- Folha A – Versão do MMP
- Folha B – Informação do Operador e Instalação
- Folha C – Descrição da instalação
- Folha D – Métodos e procedimentos ao nível da instalação
- Folha E – Fluxos de energia (combustível, calor mensurável, gases residuais e eletricidade)
- Folha F, G e H – Métodos e procedimentos ao nível da subinstalação

2. Formulário MMP

Formulário MMP



✓ **Folha C** → **Descrição da instalação**

C. INSTALLATION DESCRIPTION

List of sub-installations

1 Product benchmark sub-installations

For each type of product, only one sub-installation may be chosen. Similar products which are covered by similar products which are covered by the same product benchmark in Annex I of the FAR are aggregated.

The status regarding the exposure to significant risk of carbon leakage ("CL") is based on <ADD REFERENCE TO CLL ACT>.

Every sub-installation name may occur only once. Otherwise some parts of this template will not function properly.

Please note that the correct entries here are essential for all subsequent inputs dealing with sub-installations.

No.	Product type	CL exposed?
1	Lime	VERDADEIRO
2	Coke	VERDADEIRO
3		N.A.
4		N.A.
5		N.A.
6		N.A.
7		N.A.
8		N.A.
9		N.A.
10		N.A.

Fica automaticamente preenchido com **Verdadeiro/Falso** caso exista ou não risco de fuga de carbono (carbon leakage – CL)

Selecionar produtos c/ parâmetro de referência (benchmark – BM)

Anexo I do Regulamento FAR



Selecionar **Verdadeiro/Falso** caso seja relevante ou não as subinstalações c/ abordagem de recurso (fall-back approach)

Folha F

Folha G



✓ Folha C



II Description of the installation

(a) Description of the installation including its main processes

If the description pursuant to section 1(c) of Annex VI of the FAR exceeds the space provided here, please refer to an attached document file (and then please list exact file name here) .

Descrição da instalação ou designação do documento em anexo com essa informação

(b) Reference to the latest approved monitoring plan:

Please provide a reference to the monitoring plan in accordance with the M&R Regulation where all emission sources are listed as required by section 1(c) of Annex VI of the FAR).

[Yellow box for reference to monitoring plan]

Indicar última versão do TEGEE

(c) Reference to a flow diagram:

Please provide a reference to a flow diagram showing emissions sources, source streams, sampling points and metering/measurement equipment. Fill in here a reference (filename, date) and attach a copy when submitting this monitoring methodology plan to your competent authority.

[Yellow box for reference to flow diagram]

Please provide a flow diagram in accordance with section 1(d) of Annex VI of the FAR, which contains at least the following information and attach a copy when submitting this monitoring methodology plan to your competent authority.

- The technical elements of the installation, identifying emissions sources as well as heat producing and consuming units
- All energy and material flows, in particular the source streams, emission sources, measurable and non-measurable heat flows, electricity flows where relevant, and waste
- The points of measurement and metering devices
- Boundaries of the sub-installations, including the split between sub-installation serving sectors deemed to be exposed to a significant risk of carbon leakage and sub-installations serving other sectors, based on NACE rev. 2 or PRODCOM 2010

In more complex cases, more detailed flow diagrams should be shown for each relevant sub-installation under point (a).iii. of sheets F and G.

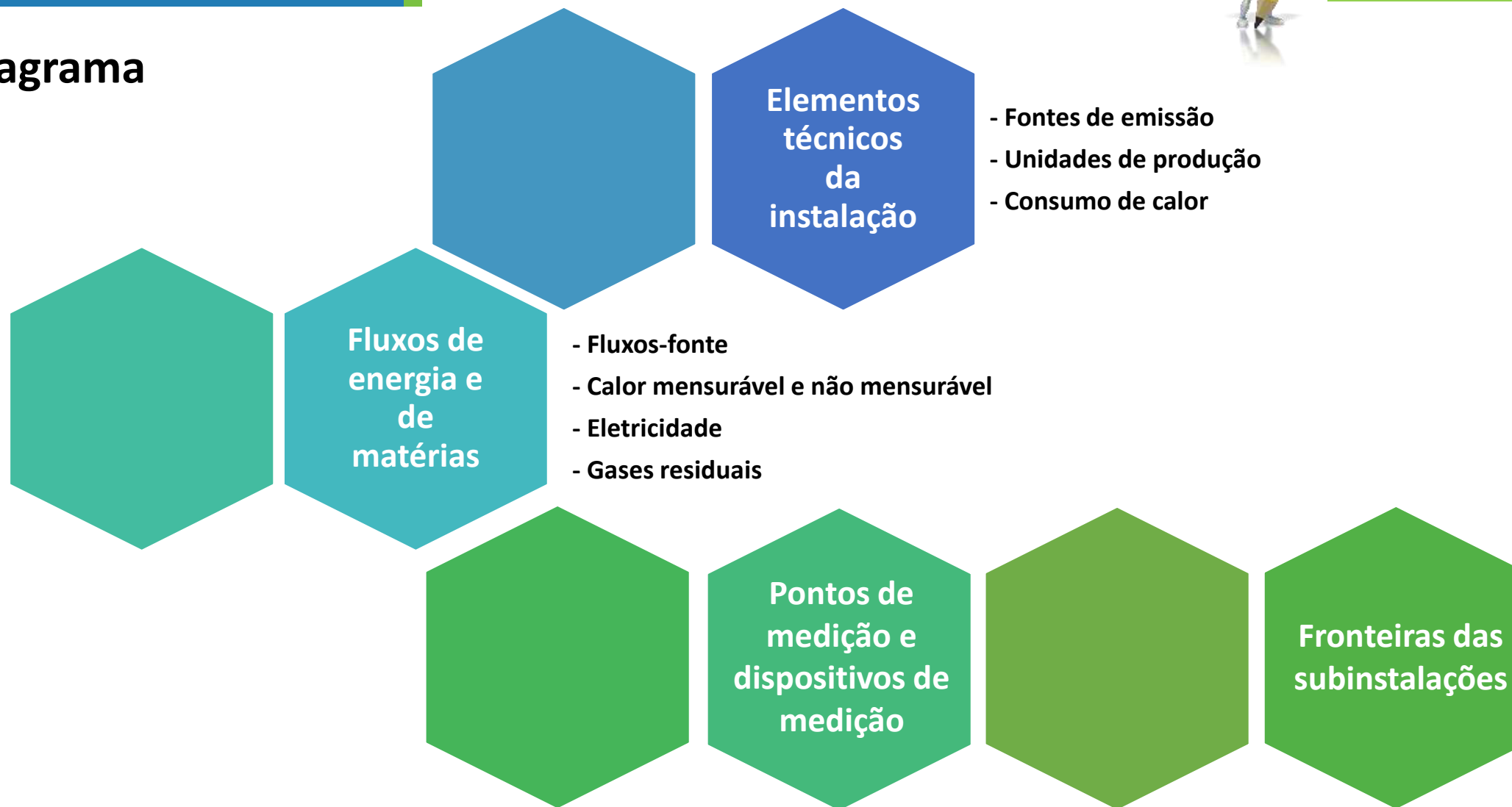
Please also include a (smaller) picture of that flow diagram in the box below.

Designação do documento com diagrama

Imagem do diagrama



Diagrama





✓ Folha C

Relação entre instalações

III Connections to other EU ETS installations or non-ETS entities

(a) Please enter here the information relevant for identifying technical connections to your installation:

This information is needed by the competent authority for ensuring consistency of the data provided, and for avoiding double counting of allocation data.

Only those cases are relevant, where either measurable heat, waste gases or CO2 for the purpose of CCS activities cross the boundaries of the installation.

"Import" here means that something enters the boundaries of the installation to which this report refers, "export" means something leaving those boundaries.

Material and/or energy flows between sub-installations are not relevant, with the exception of heat stemming from nitric acid production.

Type of connection options are:

- Measurable heat
- Waste gas
- transferred CO2 for geological storage (CCS)
- transferred CO2 for use in installation (CCU)
- Intermediate products covered by product benchmarks (Sections 1.6 and 3.1(I) of Annex IV of the FAR)

Tipo de ligação entre instalações:

- Transferência de calor mensurável
- Gases residuais
- CO2 transferido
- Produtos intermédios

Flow direction options are (perspective of the installation to which this report refers):

- Import (to this installation)
- Export (from this installation)

Special case: Nitric acid production:

- Please select this option for identifying that your installation uses heat from nitric acid production.
- Please list this fact even if the nitric acid production is part of your own installation, not only if your installation is connected to such installation.
- This information is relevant for the heat balance (sheet "E_EnergyFlows", section II)

Importa/Exporta

No.	Name of installation or entity	Type of entity	Type of connection	Flow direction
1				
2				

(b) Please enter here further information regarding those connected installations, if relevant:

Installation ID is mandatory if the connected installation is covered by the EU ETS, and if it has already been covered by the EU ETS before 30 June 2019 for the first allocation period, and before 30 June 2024 for the second allocation period.

No.	Installation ID used in CITL	Name of contact person	(email) address	phone number
1				
2				

Tipo de instalação:

- CELE
- não-CELE
- Produtora de Ácido Nítrico
- Distribuidor de Calor

No caso de instalações CELE deve ser indicado o ID do RPLE-RU



✓ Folha D → Métodos de monitorização ao nível da instalação

D. Methods and procedures at installation level

I Methods at installation level

Entries in this section are only relevant if the installation has more than one sub-installation AND any physical units are used by more than one sub-installation. If this is not the case, please proceed with section II below.

(a) Physical parts of installations which serve more than one sub-installation

As required by Annex VI, section 2(b), of the FAR please list all physical parts of installations and units which serve more than one sub-installation, including heat supply systems, jointly used boilers and CHP units, etc.

For each part or unit, please select all relevant sub-installations from the drop down lists which contains all sub-installations selected in section C.I.

Units which only serve one sub-installation should not be listed here but described in detail in the section (a) of the relevant sub-installation in sheets F and G.

For example, if a boiler produces measurable heat that is consumed by two product benchmark sub-installation, the boiler should be listed below and both sub-installations selected from the drop-down list. If the heat is consumed by only one of the two sub-installation, no entries are required here, but in sheet F.I.(a).

Ref.	Physical part of the installation or unit	Relevant sub-installations				
		1	2	3	4	5
P1	Forno 1	Coke	Hot metal	N.A.	N.A.	N.A.
P2						

(b) Methods to assign parts of installations and their emissions to the respective sub installations:

As required by Annex VI, section 2(d) of the FAR, please describe for each sub-installation identified under (a) above the methods to assign parts of installations and their

This description should in particular take into account the provisions in section 3.2.1 of Annex VII of the FAR.

If relevant methods are described in sufficient detail under point (a) of sheets F and G of all relevant sub-installations, please just state so here.

If this information is provided in external files, please provide a reference to those below.

Reference to external files, if relevant

(c) Method used for ensuring that data gaps and double counting are avoided

Please describe how it is ensured that no data gaps or double counting occurred pursuant to section 3(b) of Annex VI of the FAR and taking into consideration the provisions in Article 10(5) of the FAR.

If there is more than one sub-installation relevant for your installation, and emissions of one source stream are determined individually for each sub-installation in sheets F or G, please compare the emissions of the annual emission report with the sum of emissions for each sub-installation. If deviations occur please describe according to section 3.2.2 of Annex VII of the FAR the method to correct the data.

Reference to external files, if relevant

Secção I é apenas relevante se a instalação tem mais de uma subinstalação e se alguma das unidades físicas é usada por mais de uma subinstalação

Descrição do método utilizado para atribuir partes da instalação e das suas emissões às subinstalações respetivas

Método utilizado para evitar lacunas e dupla contagem



✓ Folha D

II Procedures

*This section covers the procedures required by sections 1.(f) to (h) of Annex VI of the FAR.
Where relevant and to the extent possible, please refer to the corresponding procedures in the MRR monitoring report submitted here.*

- (a) Please give a reference to the procedure for managing the assignment of responsibilities for MRR monitoring and reporting within the installation, and for managing the competences of responsible personnel

It is possible to refer to an attached document file (then please list exact file name here), if the description is provided here.

Title of procedure	
Reference for procedure	

A existência de procedimentos é MUITO IMPORTANTE!

REFERÊNCIAS DOS PROCEDIMENTOS PARA:

(a)

Gerir responsabilidades pela monitorização e comunicação de informações da instalação

(b)

Avaliar regularmente a adequação do MMP

(c)

Atividades de fluxo de dados

(d)

Atividades de controlo

2. Formulário MMP

Formulário MMP



✓ Folha E → Métodos de monitorização utilizados para fluxos de energia

I Fuel input

(a) Fuel input flows

For the specific purpose of the NIMs data collection, this section should cover all data provided in section E.I in the "baseline data collection" template.

i. Information on the methodology applied

Please select below:

- the data source used for the quantities pursuant to section 4.4 of Annex VII of the FAR.
 - the method used for the determination of the energy content pursuant to section 4.6 of Annex VII of the FAR.
- As more than one of the data sources might be involved, the template provides for up to three sources. If even further sources are involved, please select the three main sources and describe further details in the description of the methodology below.

	Data source	Other data source (if applicable)	Other data source (if applicable)
1. Fuel input			
2. Energy content			

3. Description of the methodology applied

[The list of aspects this description should cover can be found at the top of this sheet!](#)

Descrição completa do método utilizado

4. Reference to external files, if relevant

ii. The hierarchical order has been followed?

FALSO - If not, why?

Selecting "TRUE" here means that the data source with the highest rank within the hierarchy set out in section 4 of Annex VII of the FAR has been used above. If this is not the case, please select "FALSE" and select the reason for that from the drop-down list and describe further details below. Reasons for deviation can be the following:

- Uncertainty assessment: other data sources lead to lower uncertainty according to the simplified uncertainty assessment pursuant to Article 7(2) of the FAR.
- Technical infeasibility: the use of better data sources is technical infeasible.
- Unreasonable costs: the use of better data sources would incur unreasonable costs.

Further details on any deviation from the hierarchy

Apenas se combustível é relevante para a instalação

De acordo com folha E.I do formulário NIMs

Selecionar a fonte de dados

Lista ordenada por melhor exatidão

Anexo VII do Regulamento FAR



Utiliza a melhor fonte de dados disponível?
Não!?
Deverá ser bem justificado!



✓ Folha E

II Measurable heat at installation level

Apenas se calor mensurável é relevante para a instalação

De acordo com folha E.II do formulário NIMs

III Waste gas balance at installation level

Apenas se gases residuais são relevantes para a instalação

De acordo com folha E.III do formulário NIMs

IV Electricity at installation level

Apenas se eletricidade é produzida dentro da instalação

De acordo com folha E.IV do formulário NIMs

2. Formulário MMP

Formulário MMP



✓ **Folha F, G e H** → **Métodos de monitorização ao nível da subinstalação**
(Informação resultante da Folha C)

F. Sheet "ProductBM" - SUB-INSTALLATION DATA RELATING TO **PRODUCT BENCHMARKS**

G. Sheet "Fall-back" - SUB-INSTALLATION DATA RELATING TO **FALL-BACK SUB-INSTALLATIONS**

H. Sheet "SpecialBM" - SPECIAL DATA FOR SOME PRODUCT BENCHMARKS

Metodologia relativa à
composição destes 9
produtos BM:

I	CWT (Refinery products)
II	Lime
III	Dolime
IV	Steam cracking
V	CWT (Aromatics)
VI	Hydrogen
VII	Synthesis gas
VIII	Ethylene oxide / glycols
IX	Vinyl chloride monomer (VCM)

Descrição das fronteiras
de cada subinstalação

- Unidades técnicas incluídas
- Descrição dos processos realizados
- Matérias e combustíveis (inputs)
- Produtos e resultados (outputs)

Método para
determinação do nível de
atividade/produção anual

N.º 4 e 5 do Anexo VII
do Regulamento FAR



Secções azuis (Blue-Box)
com metodologia
utilizada para
atualização/determinação
dos valores BM

3. Alterações ao MMP



Plano Metodológico de Monitorização

Art.º 9.º do
Regulamento FAR



**Alterações
significativas
ao MMP a
comunicar à
APA**

Alterações na instalação – EX. novas subinstalações, alterações das fronteiras de subsinstalações ou encerramento

Mudança de metodologia de monitorização

Alteração de um valor por defeito ou método de estimativa previsto no MMP

Alterações solicitadas pela APA

**Operador deve manter registo de
TODAS as alterações ao MMP**



Guia n.º 4

Verificação do Relatório de Dados de Referência (Formulário NIMs) e validação do Plano de Metodológico de Monitorização (MMP)

Guia n.º 5

Monitorização e reporte sobre as Regras de Atribuição Gratuita





AGÊNCIA
PORTUGUESA
DO AMBIENTE



Obrigada!

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