



Workshop ETS2: monitoring plan development - Part 2

+ Annual emissions report, Verification, Registry

Trinomics & Ricardo

Hybrid
25 June 2024

www.trinomics.eu | www.ricardo.com

Croatia ETS2 outreach support workshop agenda

Date: 25/06/2024

Topics	Presenter	Timing (CEST)
NCA introduction	The Ministry of Environmental Protection and Green Transition	14:00 – 14:05
Introduction and Workshop Part 1 recap	Trinomics consultant	14:05 – 14:15
Annual emissions reports	Trinomics consultant	14:15 – 14:30
Verification	Trinomics consultant	14:30 – 14:40
Registry	Trinomics consultant	14:40 – 14:55
Q&A part 2 & Feedback survey	Trinomics consultant & NCA	14:55 – 15:15

Useful information

- Interpretation – Please click on the globe icon and select a language of your preference
- Q&A session at the end of both workshop parts
- Please submit any questions throughout the webinar in the **Zoom Q&A only**
- We will ask interactive questions throughout, please have your mobile ready to connect
- The session will be recorded and the slides will be shared after the workshop. By remaining in the workshop you are agreeing to the recording of the session
- There will also be an evaluation survey at the end of the workshop which we encourage you to complete
- Final slides of this workshop presentation contain abbreviations, definitions and links to additional sources/guidance documents
- An FAQ document will be developed and distributed at the end of the series of workshops



Part 2: Emissions Report, Verification and Registry



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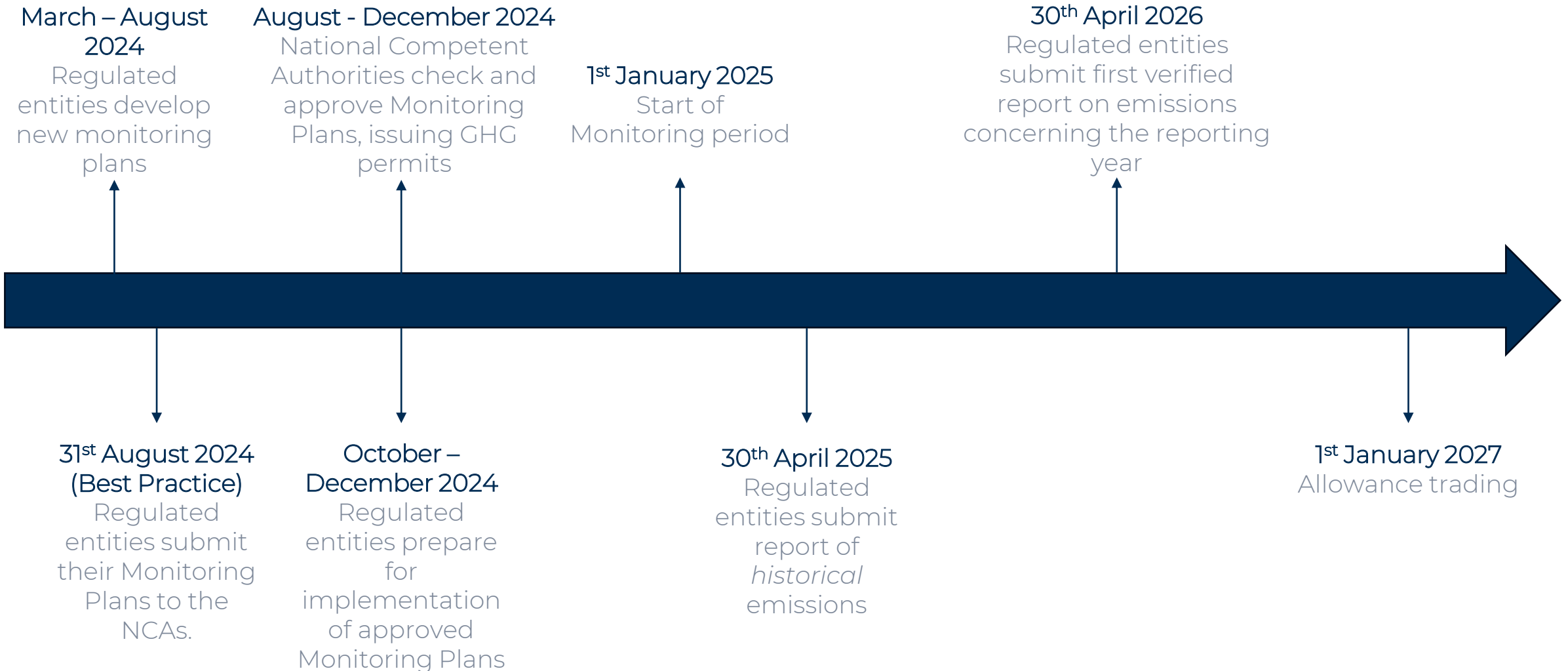


Recap of Workshop Part 1: Monitoring methodology and Monitoring Plan



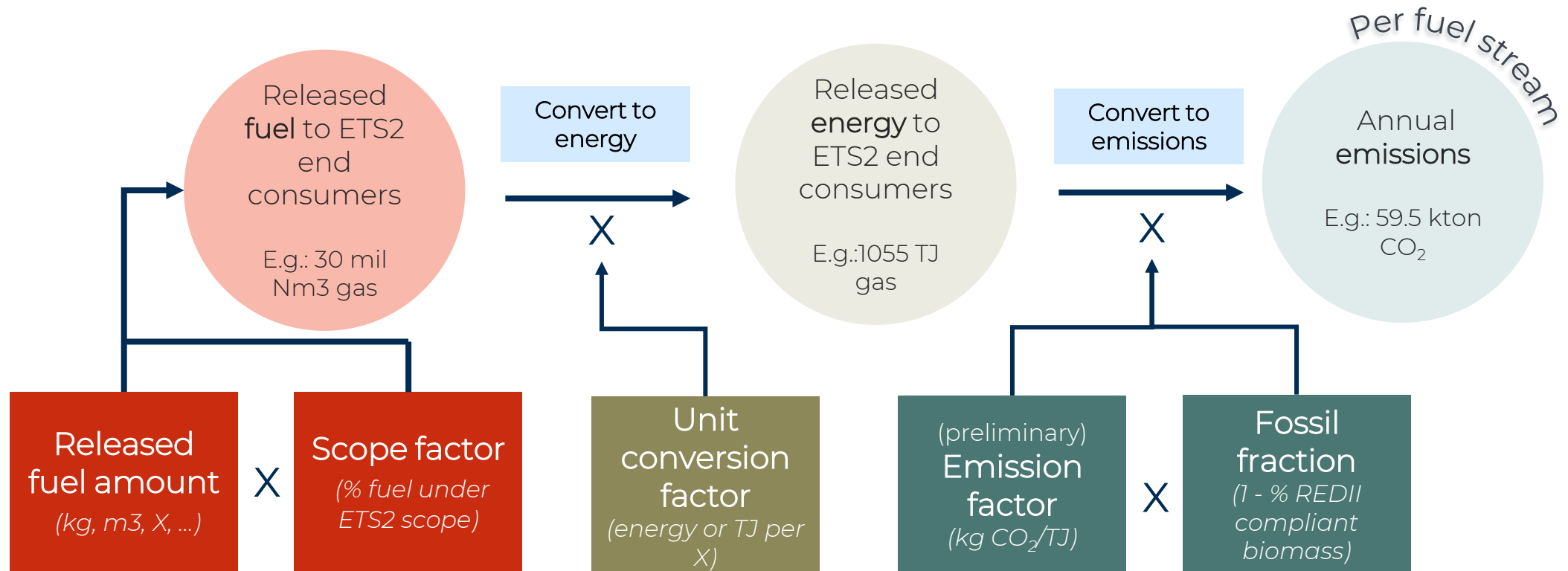
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Milestones and deadlines

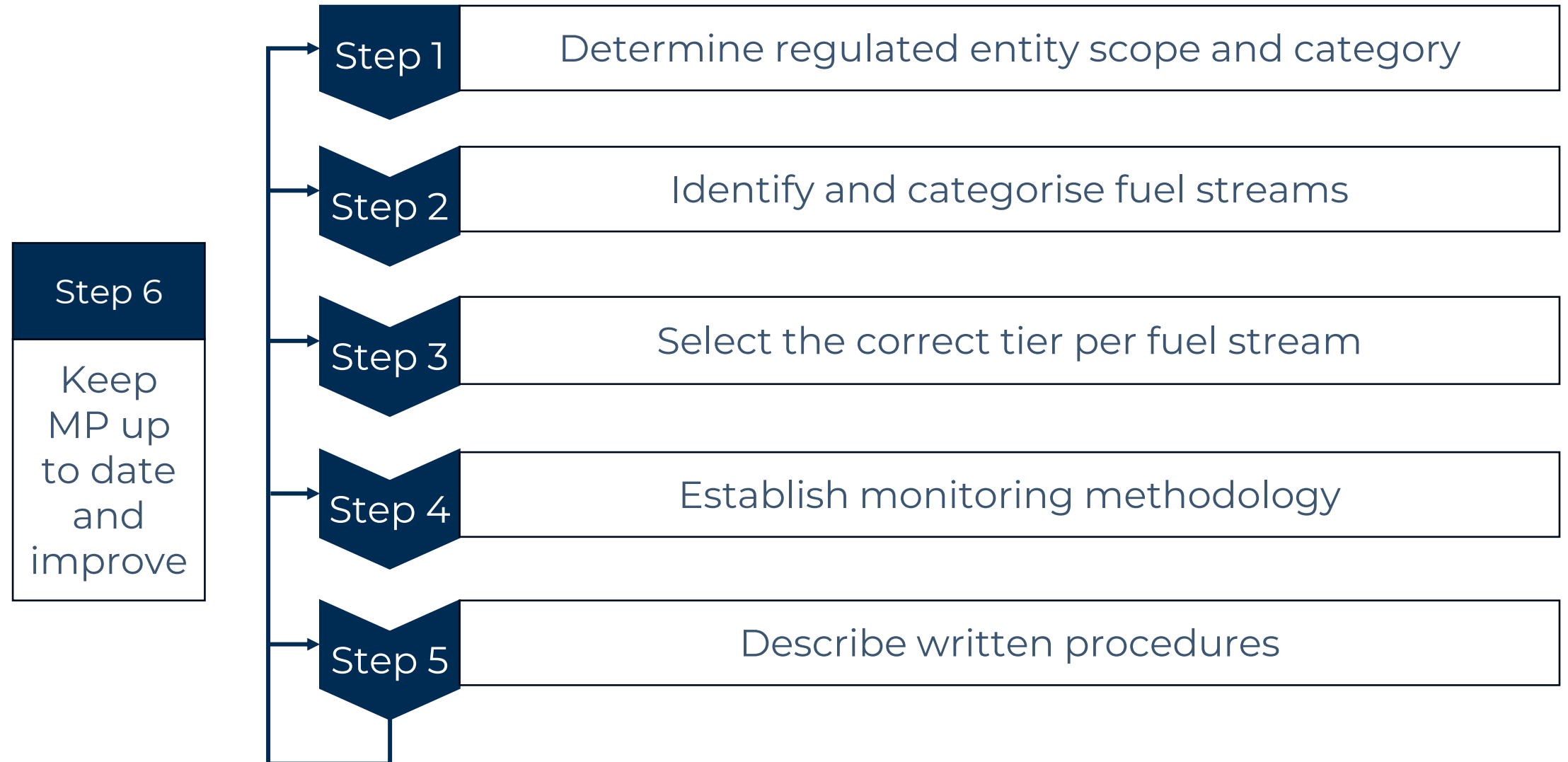


The calculation-based approach for monitoring

Basis of the methodology: **calculation-based approach** to determine emissions per **fuel stream**



Developing a monitoring plan





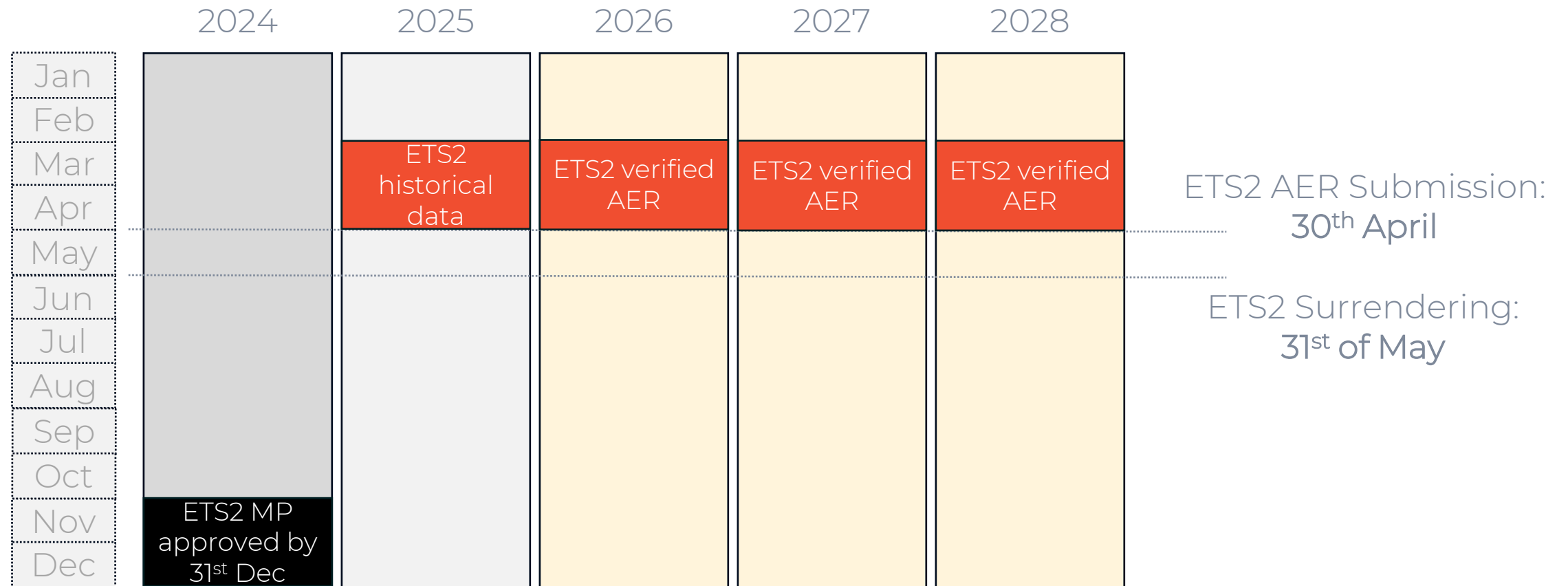
Annual emissions report introduction



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Timing of measurement

- Regulated entity submits by 30 April of each year an emissions verified report that covers the annual emissions of the reporting period.
- The annual emissions report shall at least contain the information listed in MRR Annex X and Xb.



Minimum content of Annual Emission Reports

Information listed in Annex X of the MRR to be included in Annual Emission Reports

(1) Data identifying the regulated entity	(6) Information for all fuel streams
(2) Name and address of the verifier of the report	(7) Information to be reported as memo items
(3) The reporting year	(8) Where data gaps have occurred and have been closed by surrogate data in accordance with Article 66(1)
(4) Reference to and version number of the latest approved monitoring plan and the date from which it is applicable, as well as reference to and version number of any other monitoring plans relevant for the reporting year	(9) Any other changes in the regulated entity during the reporting period with relevance for that regulated entity's greenhouse gas emissions during the reporting year
(5) Relevant changes in the operations of a regulated entity and changes as well as temporary deviations that occurred during the reporting period to the monitoring plan approved by the competent authority	

Minimum content of Annual Emission Reports

Additional information included in Annex Xb of the Implementing Regulation (EU) 2023/2122

(1) Name, address and unique permit number of the operator and, where relevant, the aircraft operator and shipping company, **to whom the fuel is released**. In other cases where the fuel is meant for end use in sectors covered by Annex I to Directive 2003/87/EC the regulated entity shall submit, where available, a list of all consumers of fuels, from direct buyer down to the operator, including their name, address and unique permit number, where this would not cause disproportionate administrative burden;

(2) **the types and amounts of fuels sold to each buyer** referred to in point (a) during the relevant reporting period.

(3) **The amount of fuel used for activities** referred to in Annex I to Directive 2003/87/EC for each buyer referred to in point (a) during the relevant reporting period.

Annual Emission Report template – next steps

- Step 1** Template will be produced and published in the Commission webpage
- Step 2** The national competent authority will give guidance on how the process will work in your Member State
- Step 3** The Member State may have published more specific and translated versions of the AER template
- Step 4** AER template includes tabs on guidance, identification, fuel streams, measurements and scope factor

There will be a designated Commission webpage available at a later date



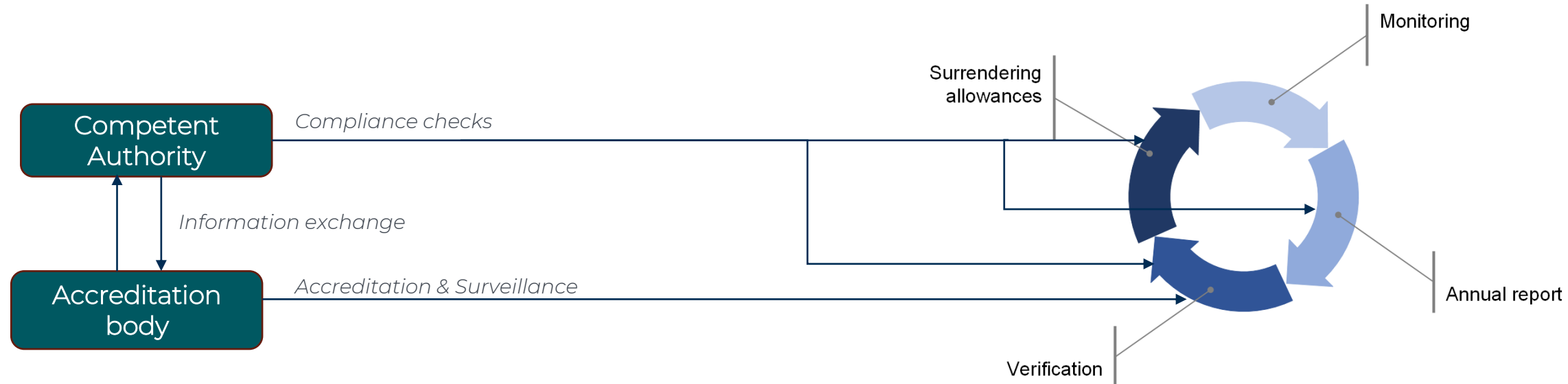
Verification



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General requirements

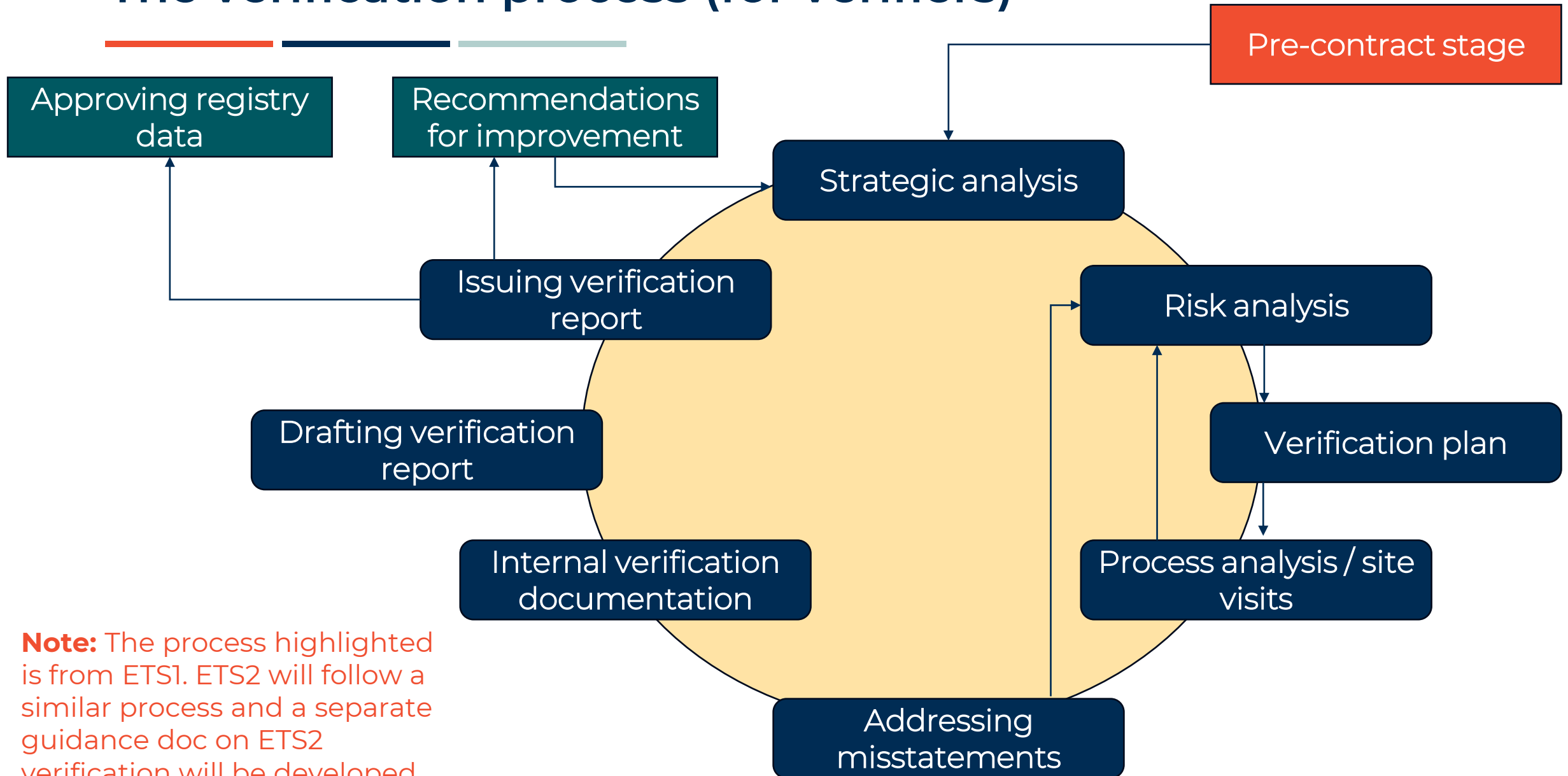
- **Requirement from 2026 that AER is verified**
 - Regulated entities to submit first verified report by 30th April 2026 (date may vary by Member State) on the emissions concerning the reporting year 2025
- **Simplified procedures for small emitters (See MRR)**
 - There is the option for MS to use simplified monitoring plans
 - Operators are exempted from submitting an improvement report on how to address recommendations of improvements made by the verifier in the verification report
 - Site visits can be waived under specific conditions



What to consider when contracting a verifier

1	<p>Where to find accredited verifier?</p> <p>Information is shared by the National Accreditation Bodies (NAB) with the CA of the Member State in which the verifier is accredited and the Member States in which the verifier is carrying out the verification.</p>
2	<p>How to ensure competence and impartiality of verifier?</p> <p>Verifiers must meet the requirements laid down in Chapter III AVR and the requirements in EN ISO 140655, the harmonized standard prescribed in the AVR for the verification of operator's reports.</p>
3	<p>Who is responsible for verification costs?</p> <p>Regulated entity responsible for costs</p>
4	<p>Timing of verification?</p> <p>Regarding the process of contracting a verifier should occur long before the deadline. Verified emissions reports will be required for the AER submitted by 30 April 2026 (for 2025 emissions).</p>

The verification process (for verifiers)



Note: The process highlighted is from ETS1. ETS2 will follow a similar process and a separate guidance doc on ETS2 verification will be developed

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Registry



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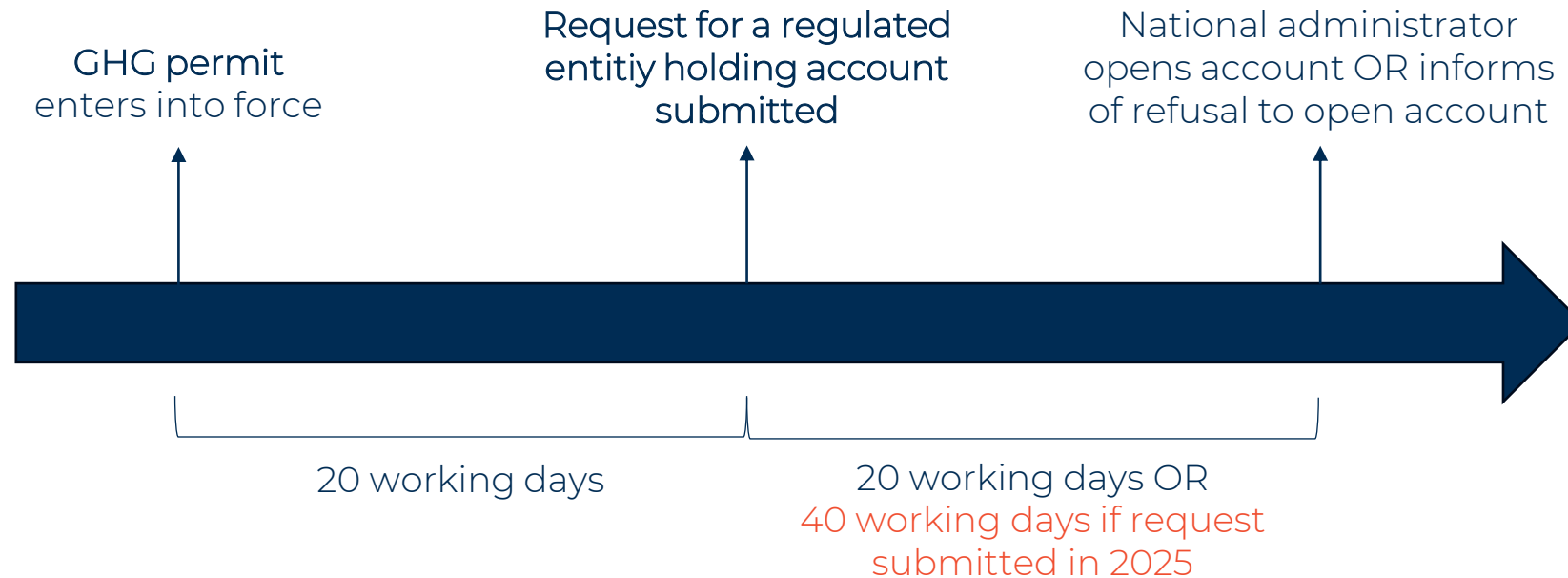
Purpose of Union Registry

- The EU ETS Registry (Union Registry) serves as a verification tool for those participating in EU ETS2 with regards to their obligations. It is central to the annual compliance cycle
- The Union Registry works similarly to internet banking
- Companies participating in EU ETS2 need the account for the following purposes:
 - To enter their CO2 emissions figures for the compliance period
 - To hold emission allowances that have been acquired
 - To surrender allowances for the compliance period
 - To transfer their emission allowances to other accounts via transactions
- **NB! A Union Registry account is mandatory for EU ETS2 participants**

Opening a Union Registry account (1)

- **Each Regulated Entity has one holding account**
- To open an account, companies must send a request to the national Union Registry administrator who will collect and check all supporting documentation
- Ministry of Environmental Protection and Green Transition

Information on national contact points and registries [COM website](#)



Opening a Union Registry account (2)

- **Full information to be submitted to the national administrator can be found in ANNEX VIIb of Delegated Regulation (EU) 2019/1122 (consolidated text)**
- This includes information regarding:
 - Authorised representative details
 - Account details for regulated entity holding accounts
 - Details of the regulated entity contact person
 - If the account holders is part of a group, documentation on group structure is required
- If a legal person is requesting to open an account, national administrator may ask for additional documentation
- **Two account representatives are required**, as all processes require one to initiate and second to approve it
- To access the Union Registry, **you will need an EU Login account and a Unique Registry Identifier (URID)**

Create an EU Login account

NB! Each user has only one EU login account. If you have accounts in more than one national parts of the registry (e.g. NL and DE), you still need only one EU Login account

1. Go to ECAS <https://webgate.ec.europa.eu/cas/> and click 'Create an account'
2. Fill in all your personal details & click 'Create an account'
3. You will receive an e-mail including your username and a link to create your password

A mobile device needs to be added to your EU Login account - essential to get access to the registry

1. Go to "My account"
2. Click 'Manage my mobile devices' and choose 'Add a mobile device'

[Please refer to a user manual for more detailed guidance](#)

Sign in to continue

Enter your e-mail address or unique identifier

[Create an account](#) **Next >**

Or

If you do not wish to create an EU Login account, you can sign in by using one of the following third-party sign-in options ("Sign-in Service"). [Read more](#)

Successful login

You are now logged in to EU Login.

To stop the automatic single sign-on, click [Logout](#) or close all browser windows.

(External)

[Change password](#)

[My Account](#)

[Logout](#)

Create a Unique Registry Identifier (URID)

Information
on national
registries
[COM website](#)

- 1. Go to the Croatian part of the CO2 registry:**
 - <https://unionregistry.ec.europa.eu/euregistry/HR/index.xhtml>
2. Click on the left side of your screen on 'Login'. and check all supporting documentation
3. After you sign in, the start page of the CO2 Registry will open. Click 'Fill in your personal details' from the left menu
4. The 'Registration' page opens. Your first and last name, email address and mobile phone number have already been entered. Please fill in the rest of the form and click 'Next'
 - When choosing your type of identification, either choose 'passport' or 'national ID card'
5. The system will show you all your personal details. Please review your details and click 'Submit'
6. The system will now tell you that you have been registered and will show you your URID (starting with HR and followed by 12 numbers). Please communicate your URID to the national authority. It will be used to appoint you to an account

Quiz questions for participants – Part 2

Instructions for Slido

To access Slido on your mobile phone, either:

- Scan the QR code or
- Go to slido.com and enter the passcode 3698806 or use this link <https://app.sli.do/event/hAkvdNRwJxSLakL4pfvMc1>



Feedback survey and Q&A Workshop Part 2

Thank you for your attention and active participation in this workshop!

Please scan the QR code to below to provide feedback on the presentation and topics covered:

<https://survey.alchemer.eu/s3/90710288/Workshop-survey-Croatia-Stakeholder-outreach-on-the-implementation-of-the-new-emissions-trading-system-ETS2>



Other data sources and guidance



European
Commission

Topic	Links
General ETS2 Guidance	General guidance for ETS2 regulated Entities
ETS2 Monitoring Plan	Monitoring plan for the emissions of regulated entities
ETS2: buildings, road transport and additional sectors	ETS2 : buildings, road transport and additional sectors - European Commission (europa.eu) Implementing ETS2 for buildings, road transport and additional sectors (presentation)
ETS Directive (legal basis)	ETS Directive (2003/87/EC)
Monitoring and Reporting	Monitoring and Reporting Regulation (MRR)

List of abbreviations

Acronym	Key term
AER	Annual Emissions Report
CO ₂	Carbon dioxide
CRF	Common Reporting Format (end consumer sector)
EF	Emissions Factor
ETD	Energy Taxation Directive (2003/96/EC)
ETS	Emissions Trading System
MP	Monitoring Plan
MRR	Monitoring and Reporting Regulation
MRV	Monitoring, Reporting and Verification
NCA	National Competent Authority
RE	Regulated Entity
RED	Renewable Energy Directive
TJ	Terajoule (energy measurement)
UCF	Unit Conversion Factor

List of definitions

- **ETS2 scope** refers to activities covered by ETS2, in relation to fuels released for consumptions which are used for combustion in the buildings (CRF 1A4a & 1A4b), road transport (CRF 1A3b) and additional sectors (CRF 1A1 & 1A2). Detailed information on activities covered can be found in Annex III of Directive 2003/87/EC
 - **Common Reporting Format (CRF) categories** (used for compiling national GHG inventories following the IPCC Guidelines) are used to identify sectors in which if fuel is combusted, it falls in ETS2 scope
- **Fuel streams** refer to all the types of fuels which a regulated entity releases for consumption, for which the emissions associated with the eventual consumption have to be monitored when applying the calculation-based approach
 - De-minimis fuel stream – smaller quantity fuel streams (<1000 tonnes CO₂ per year)
 - Major fuel stream – all other fuel streams
- **Calculation factors**, mean net calorific value, emission factor, preliminary emission factor, oxidation factor, conversion factor, carbon content or biomass fraction;
 - **Emissions factor**, means the average emission rate of a GHG relative to the activity data of a source stream assuming complete oxidation for combustion and complete conversion for all other chemical reactions;
 - **Unit conversion factor**, means the ratio of carbon emitted as CO₂ to the total carbon contained in the source stream before the emitting process takes place, expressed as a fraction, considering CO emitted to the atmosphere as the molar equivalent amount of CO₂
- **Scope factor** is a dimensionless factor between 0 (all fuel released consumed outside ETS2 scope) and 1 (all fuel released for consumption within ETS2 scope). The determination of this factor involves the ability to identify the relevant category of end consumers
- **Fossil fraction** is a dimensionless fraction that takes into account the fossil fraction of carbon in fuels both have fractions of carbon arising from biogenic origin and have biomass components compliant with RED II
- **Released fuel amount**, means the amount of fuel released for consumption. Where applicable, this will correspond to the total fuel amount for each fuel stream released through the excise duty point



Further questions?
Mail the NCA: ETS2@mingor.hr



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Thanks !



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