



Frequently asked questions

on the European database on data centres

Directive (EU) 2023/1791 on energy efficiency

Delegated Regulation (EU) 2024/1364 on the first phase of the establishment of a common Union rating scheme for data centres

Version 0.1, September 2024

Where to find this file and all relevant material

When available, new or updated material on the European database on data centres will be posted in the Energy Efficiency Directive page in europa.eu:

https://energy.ec.europa.eu/topics/energy-efficiency/energy-efficiency-targets-directive-and-rules/energy-efficiency-directive_en#energy-performance-of-data-centres

Table of contents

- [Access to the European database on data centres](#)
- [EU Login](#)
- [User roles and workflow of the data centres reporting](#)
- [Creation of user accounts](#)
- [The ReferenceID](#)
- [Reporting to the European database](#)

Access to the European database on data centres

Where is the European database located?

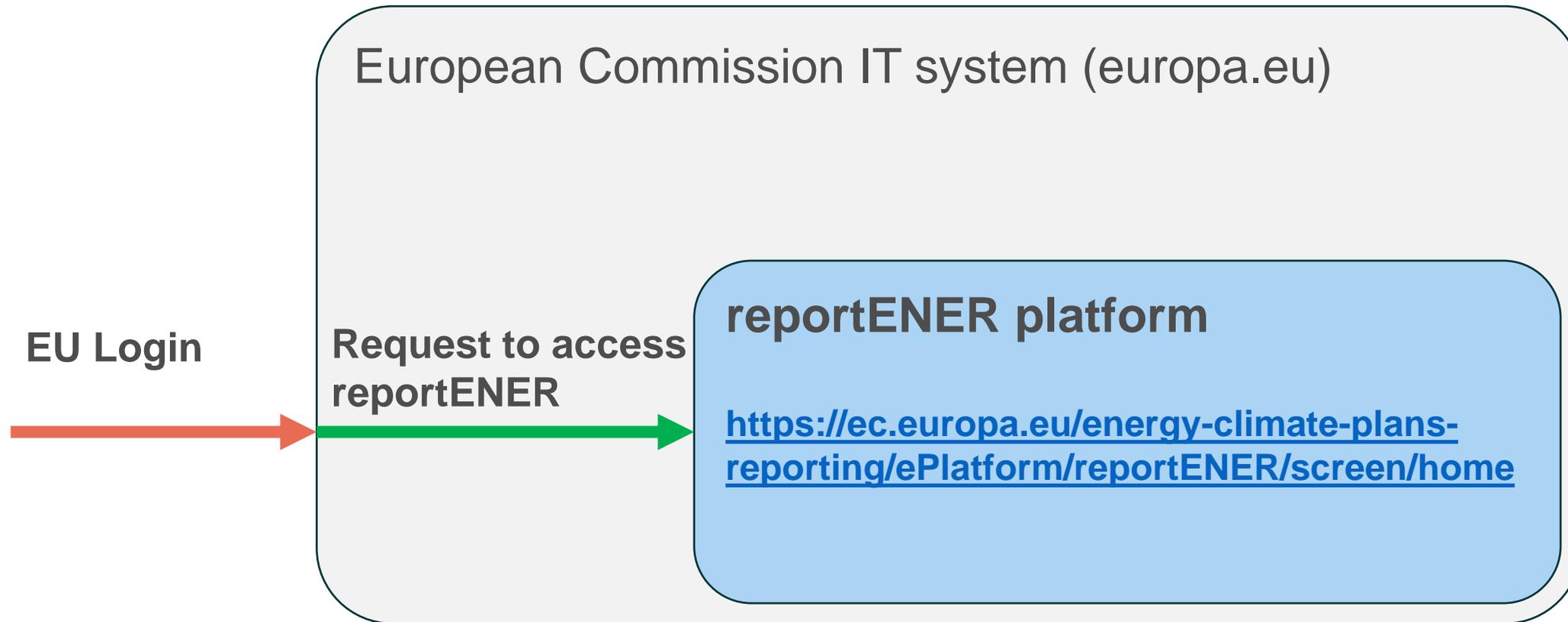
European Commission IT system (europa.eu)

- Highest level of privacy and security
- User authentication services
- Storage of data within europa.eu

reportENER platform

- NECPs & NECPRs
- Oil stocks reporting
- Data centres reporting
- ...

How do I access the reportENER platform?



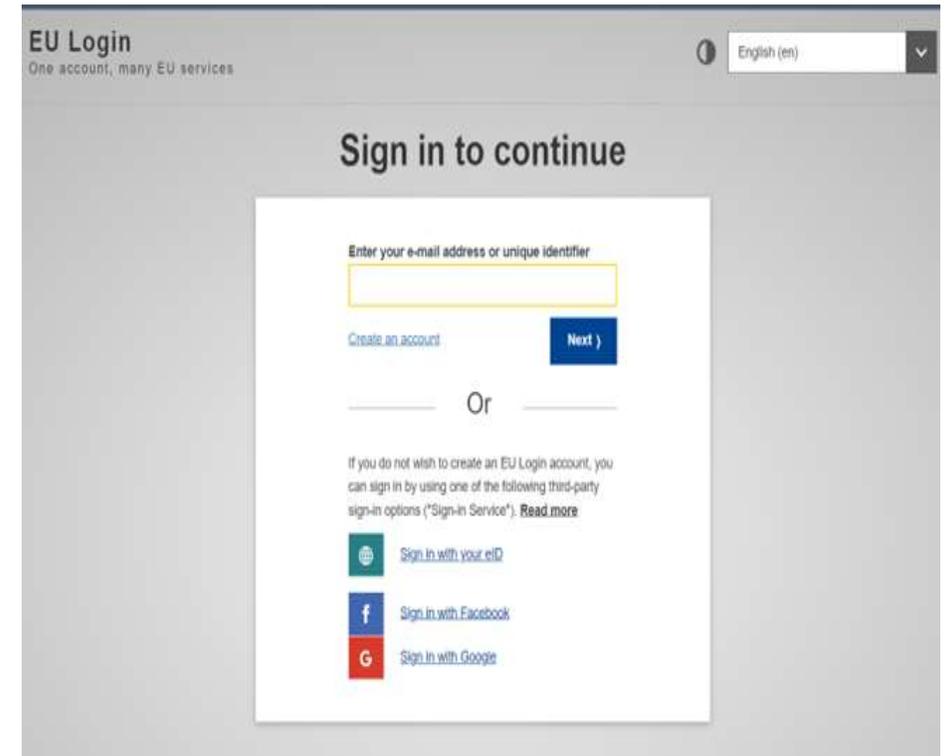
EU Login

EU Login

- **Required whenever a user tries to access an EU service**
- **Important:** EU Login is associated with an e-mail.

If a user starts using different e-mails and uses one of them to create a new EU Login, the same thing happens in ReportENER (i.e., a new ReportENER request must be made, and any privileges granted to the old account do not apply to the identity of the new user).

To avoid this, a user may update the e-mail associated with the existing EU Login account. ReportENER should detect the email change and update the ReportENER user account to reflect the changed EU Login email after the user confirms.



The screenshot shows the EU Login sign-in interface. At the top left, it says "EU Login" with the tagline "One account, many EU services". On the top right, there is a language selector set to "English (en)". The main heading is "Sign in to continue". Below this is a text input field labeled "Enter your e-mail address or unique identifier". To the left of the input field is a link "Create an account" and to the right is a blue "Next)" button. Below the input field is the word "Or" flanked by horizontal lines. Further down, there is a paragraph of text: "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](#)". Below this text are three sign-in options, each with a small icon and a link: "Sign in with your eID" (with a globe icon), "Sign in with Facebook" (with the Facebook 'f' icon), and "Sign in with Google" (with the Google 'G' icon).

Creating an account

- When a user attempts to access the application, the authentication with use of EU Login account is required.
- To have one created, the user needs to click the **Create an account** link.

This website uses cookies. [Click here to learn more.](#) Close this message X

EU Login
One account, many EU services

English (en) ▼

ec.europa.eu1 requires you to authenticate

Sign in to continue

Enter your e-mail address or unique identifier

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

Or

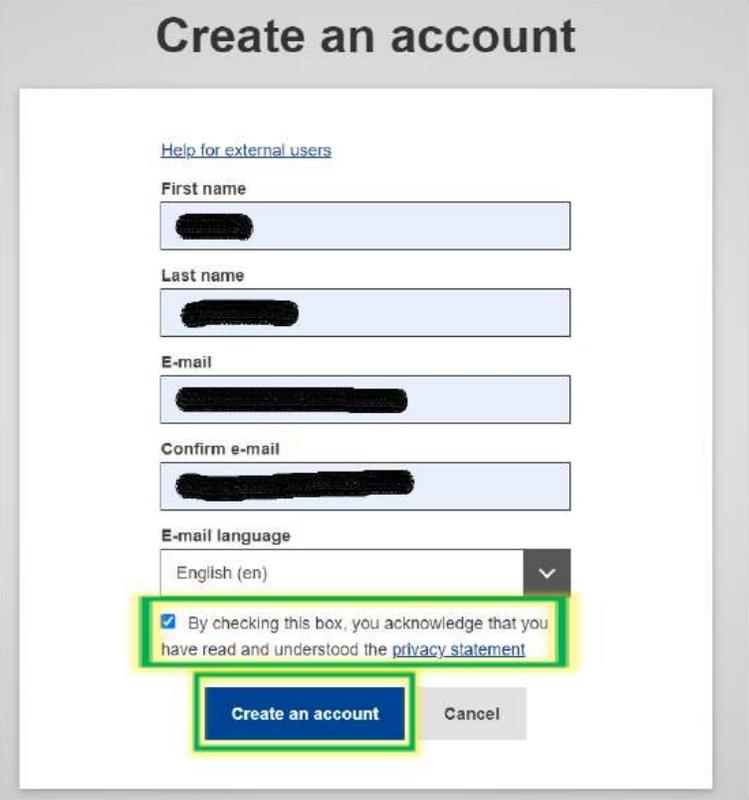
 [Sign in with your eID](#)

Easy, fast and secure: download the **EU Login** app

[Download on the App Store](#) [GET IT ON Google Play](#)

Creating an account

- To have EU Login created, its details (e.g., first Name, last name, e-mail address) need to be provided and privacy statement acknowledgement confirmed.



The screenshot shows a web form titled "Create an account". At the top left, there is a link for "Help for external users". The form contains several input fields: "First name", "Last name", "E-mail", and "Confirm e-mail", all of which are filled with blacked-out text. Below these is a dropdown menu for "E-mail language" set to "English (en)". A checkbox is checked, with the text "By checking this box, you acknowledge that you have read and understood the [privacy statement](#)". At the bottom, there are two buttons: "Create an account" (highlighted with a green box) and "Cancel".

User roles and workflow of the data centres reporting

What roles in the database?

- **EC coordinator**
 - For the European Commission service that oversees the data centres reporting scheme
- **Member State coordinator**
 - For national authorities that will oversee the data centres reporting for their country
- **Data centre operator (reporting entity)**
 - For data centre operators that are obliged to report to the European database
 - **(!) Reporting takes place at Member State level:** an operator needs to request for an account in every country that it operates but it can use this one account to report for all data centres in the same country.
- **(Data uploader)**
 - A hidden role attributed automatically to Member States (if a national reporting scheme is in place) or the to the data centre operators (if there is no national reporting scheme)

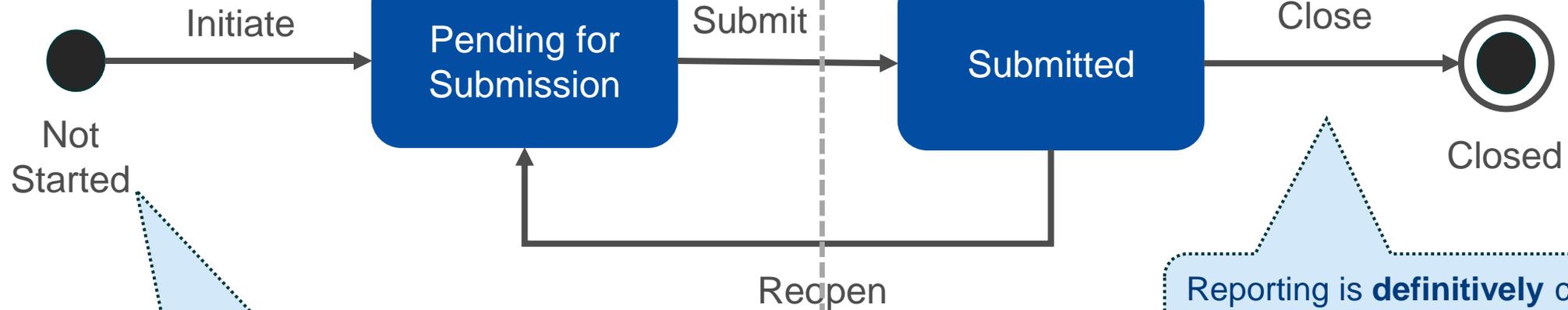
What can I do in the database?

	Reporting not yet initiated	Reporting open - Data pending for Submission	Data submitted	Reporting closed
EC Coordinator	N/A	View all countries & all DC records	View all countries & all DC records Reopen reporting (MS level) Close reporting (MS level)	View all countries & all DC records
MS Coordinator	Initiate report	View all own country DC records Submit data	View all own country DC records Reopen reporting (MS level) Approve reopen requests (MS level)	View all own country DC records
Data Centre Operator	Initiate report	Edit own DC records	View own DC records Request reopen (MS level)	View own DC records
Data Uploader	N/A	Bulk upload of DC records (own DC/ own country)	N/A	N/A

Reporting Workflow

Reporting and the actions described here take place at Member State's level

The database is editable, and Member States or operators can input and edit their data.



This action "freezes" the data for validation and verification purposes.

Reporting has not started for the current year. It can open at any moment the respective Member State or an operator decides to input data.

This action "reopens" the data editing and makes corrections or additions possible.

Reporting is **definitively** closed for the current year.

Creation of user accounts

Who does what?

- **EC coordinator**
 - Talks with national authorities to identify who will request access as **MS coordinator**
 - Approves **MS coordinator** accounts
- **MS coordinator**
 - Talks with data centre operators to identify who will request access as **reporting entity**
 - Encodes **reporting entities** before data centre operators request access and assigns ReferenceID(s)
 - Approves **reporting entity** accounts
- Data centre operator
 - Applies for a **reporting entity** account (based on the exchange with **MS coordinator**)

I want to be an MS coordinator

- An MS coordinator
 - requests a “**Country representative**” account type,
 - indicates their **country**,
 - justifies with **EED MS Coordinator** (under EED section).
- Such a request needs to be validated by the EC coordinator
- Any other combination will result in the request being rejected.

Account Details

Status INACTIVE

Account type 

Country representative

EC representative

Reporting entity representative

Justification: EED MS Coordinator ▾

Country* Poland ▾

Place account request

I want to be a reporting entity

- A data centre operator
 - requests a “Reporting entity representative” account type,
 - indicates their country,
 - selects the represented entity,
 - justifies with Data Centre Operator (under EED section).
- Such a request needs to be validated by the respective MS coordinator
- Any other combination will result in the request being rejected.

Account Details

Status INACTIVE

Account type  Country representative
 EC representative
 Reporting entity representative

Country Poland

Represented reporting entity  Regionalne Centrum Obliczeniowe Po...

Justification

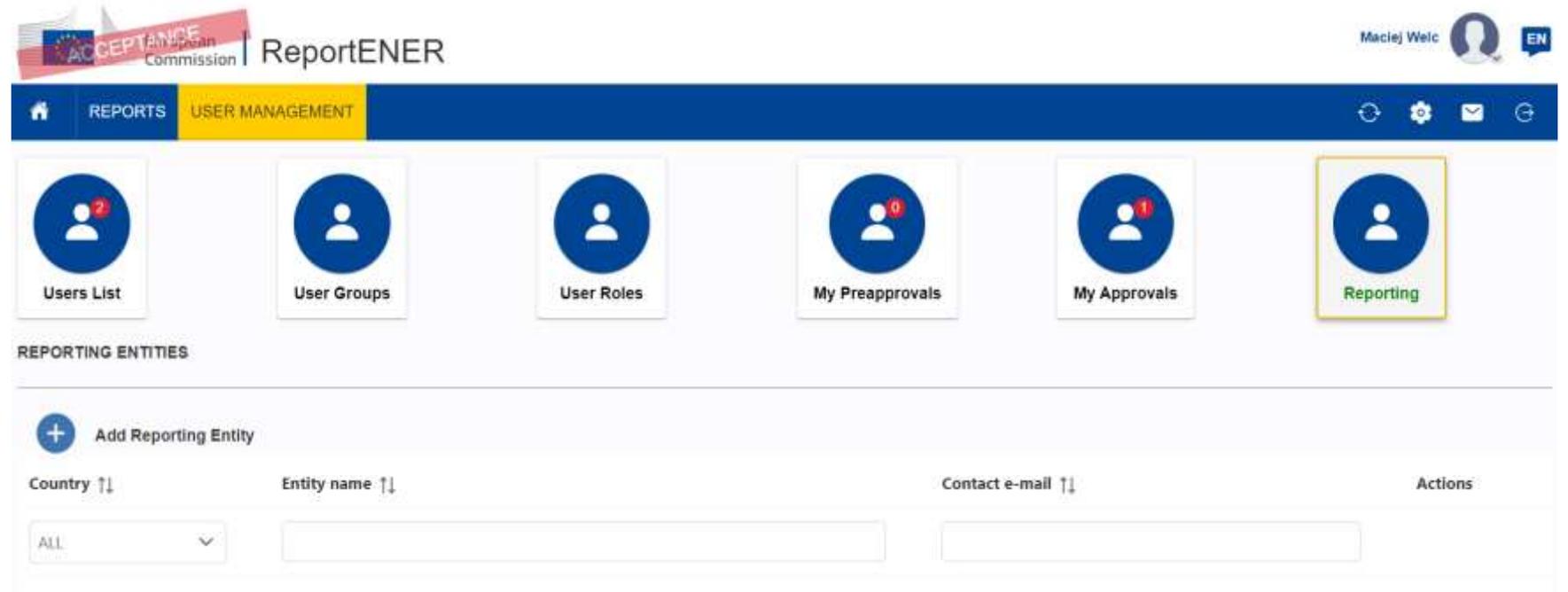
See **important note** and instructions on next three slides

Important note!

- It is important to ensure that accounts applying for access to the European database are actual data centre operators, eligible to report.
- For this to happen, MS coordinators and candidate reporting entities need to communicate *before the reporting entity applies for access*.
- This way:
 - The **MS coordinator** can add the reporting entity in the list of identified reporting entities (***see one previous and two next slides***)
 - Then, the **data centre operator** can find its name in the list of identified reporting entities
 - Finally, the **MS coordinator** can anticipate the data centre operator and approve the request for a specific EU Login to be linked to a specific reporting entity.

Identifying a reporting entity (MS coordinator)

- To add a reporting entity, the MS Coordinator goes to the USER MANAGEMENT menu and selects Reporting.
- Under reporting, selects “Add Reporting Entity”



The screenshot displays the ReportENER web application interface. At the top, there is a navigation bar with 'ACCEPTANCE Commission' and 'ReportENER' logos. The user 'Maciej Welc' is logged in, with a language selector set to 'EN'. The main navigation menu includes 'REPORTS' and 'USER MANAGEMENT', with 'USER MANAGEMENT' highlighted in yellow. Below the navigation bar, there are six icons representing different user management functions: 'Users List', 'User Groups', 'User Roles', 'My Preapprovals', 'My Approvals', and 'Reporting'. The 'Reporting' icon is highlighted with a yellow border. Below the icons, the 'REPORTING ENTITIES' section is visible, featuring a '+ Add Reporting Entity' button and a table with columns for 'Country', 'Entity name', 'Contact e-mail', and 'Actions'. The 'Country' column has a dropdown menu currently set to 'ALL'.

Identifying a reporting entity (MS coordinator)

- The MS Coordinator enters the entity data and saves
- *This allows for the data centre operator to appear in the list of identified reporting entities*

Reporting Entity

Country * Poland

Name * Entity name 59

Contact e-mail * email@entity.domain.pl 48

Save Cancel

The ReferenceID

The ReferenceID field

- The ReferenceID is the **unique identifier** for each data centre in the database.
- As such, the field is also present in the XSD template used for bulk reporting.
- As every detail concerning the operator, or the data centre can change (name, email, etc.), the ReferenceID ensures that data will refer to the same physical data centre year after year.
- Member States need to define the syntax of this field and communicate the value for each data centre to the respective operator (preferred option) **or** let data centre operators define their own unique identifiers (with the risk of the operator having to guess an available value).

The ReferenceID field

- Allowed characters for ReferenceID are the alphanumeric characters and the hyphen (-).
- Member States can choose their own syntax based on national reporting schemes for data centres or own ways to create registries.
- A syntax that simplifies the process is proposed at the right side.
- A Member State would communicate the ID “LU-0001-XXX” to the operator, which needs to complete with “001”, “002”, etc.

The first two letters represent the MS, in this example, Luxembourg.

For each MS, this is a default value.

LU-0001-001

The last three digits represent the unique serial number of the data centre.

Each data centre operator is free to assign a serial number to each data centre that will report for.

The four digits represent the unique serial number of the data centre operator.

Each MS keeps a list of obliged data centre operators and assigns a serial number to each one.

Reporting to the European database

Reporting for the first time (reporting entities)

- In Reports, under REPORTS menu the operator can use filters to find the adequate reporting (“Data Centre Energy Efficiency” under “Energy Efficiency Directive” type), then double click the report for a given country and deadline to open it.
- By selecting one of the data centres, the operator can start filling in data.

Reporting for the first time (reporting entities)

 Campaigns

 Reports

Name ↑↓ Type ↑↓ Deadline ↑↓



Data Centre Energy Efficiency	Energy Efficiency Directive	15-Sep-2024
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Report Data

Data Centre Energy Efficiency

Data Centre Energy Efficiency

Data Centre Information

Reference ID	Owner	Operator	Name	Location LAU Code	Actions
No records found					

Data Centre KPIs

Data Centre KPIs
Reporting in line with Annex II

Energy and Sustainability Indicators

IT power demand [kW]

IT Power Demand Installed Type

Total floor area [square meters]



Filling in the (Annex I) information for a data centre

Name and email encoded by the Member States and used to connect the EU Login account to the reporting

ReferenceID for the data centre (see section on ReferenceID)

Free text name of the data centre

Data Centre Owner

Owner name 122
Polskie Centrum Obliczeniowe

Owner e-mail (to be used by national or European authorities) 132
eed.kontakt@pco.pl

Data Centre Operator

Operator Detail
Regionalne Centrum Obliczen... (eed.kontakt@rco.pl)

Operator Name 110 ?
Regionalne Centrum Obliczeniowe Mazowsze

Operator Email 132 ?
eed.kontakt@rco.pl

Information on the Data Centre

Reference Identifier 23 i
PL00001

Name 139
Warszawa 03

Location LAU Code 2
1007141286501

Type
Collocation data centre, single structure

Year of entry into operation year
2006

Year of entry into operation month
September

Going back to report (reporting entities)

- The data centre operator enters the platform.
- Selects a data centre and starts filling in data.

Report Data

Data Centre Energy Efficiency

Data Centre Information

Reference ID	Owner	Operator	Name	Location LAU Code	Actions
PL00001	Polskie Centrum Obliczeniowe	Regionalne Centrum Obliczeniowe Mazowsze	Warszawa 03	1007141206501	
PL00002	Polskie Centrum Obliczeniowe	Regionalne Centrum Obliczeniowe Mazowsze	Warszawa 02	1007141206501	

Data Centre KPIs

Data Centre KPIs
Reporting in line with Annex II

Energy and Sustainability Indicators

IT power demand [kW]

IT Power Demand Installed Type

Submitting the report (MS coordinator)

Actions

Comment for transition actions

SUBMIT

Report Data

Data Centre Energy Efficiency

Data Centre Energy Efficiency

Data Centre Information

Reference ID	Owner	Operator	Name	Location LAU Code	Actions
PL00001	Polskie Centrum Obliczeniowe	Regionalne Centrum Obliczeniowe Mazowsze	Warszawa 03	1007141286501	 
PL00002	Polskie Centrum Obliczeniowe	Regionalne Centrum Obliczeniowe Mazowsze	Warszawa 02	1007141286501	 
PL00003	Polskie Centrum Obliczeniowe	Regionalne Centrum Obliczeniowe Podkarpacie	Rzeszów 01	1006181356301	 

Reporting with a file (reporting entities & MS coordinators)

Data Centre Information					
Reference ID	Owner	Operator	Name	Location LAU Code	Actions
No records found					

Bulk Upload

Please choose a data file and an upload approach

- replace
- append

Please note, only .xml extension is allowed. Maximum size 20MB.

Drop file here or [Browse file](#)

Cancel

Upload

end of file.



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