

# DG ENER EUDCEAR First Survey Transcript

## Survey 1 – Data Centre Energy Performance and Sustainability KPIs

### General information (page 1/5)

Which type of stakeholder group do you represent?

*The following choice will define which set of questions the respondent will answer for Survey 1.*

- Data centre operators/owners
- EU/National industry associations and initiatives
- Others

### Data centre operators/owners

#### General information (page 2/5)

**Which data centre operator/owner do you represent?** (optional)

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**In which Member States is/are the data centre(s) located?** *Please select the Member State where the data centre you wish to provide feedback on is located. You can start another survey if you would like to provide responses for data centre(s) located in other Member States.*

*Dropdown menu with all Member States + Others (please name the country)*

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#### Facilities information (page 3/5)

**For which type of data centre would you like to reply to the questionnaire?** *Please select the type of the data centre you wish to provide feedback on. You can start another survey if you would like to provide responses for other types of data centres.*

- Colocation data centre
- Co-hosting data centre
- Enterprise data centre
- Others (please name the type): \_\_\_\_\_

**What is the year of entry into operation of your data centre?**

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Type text here

**What is the installed power of your data centre?**

- Very small data centre (100-500 kW)
- Small data centre (500 -1 000 kW)
- Medium size data centre (1-2 MW)
- Large data centre (2-10 MW)
- Very large data centre (> 10 MW)

**What is the computer room floor area in square metres for your data centre?**

- <1 000 m<sup>2</sup>
- 1 000 – 2 000 m<sup>2</sup>
- 2 000 – 5 000 m<sup>2</sup>
- 5 000 – 10 000 m<sup>2</sup>
- > 10 000 m<sup>2</sup>
- N/A
- Please specify the figure if available: \_\_\_\_\_

**Key performance indicators (4/5)**

Have you reported your key performance indicators as part of the first reporting period of the European database on data centres Article 12 of the Energy Efficiency Directive (EED) Recast and the Delegated Regulation (EU) 2024/1364?

- Yes
- No

*The performance indicators requested are valid for the last full calendar year. Preferably, the data should be sourced from 2023, but if available, 2024 data may be considered.*

**Energy consumption**

**What is the total energy consumption in kWh of the data centre(s) you operate/own?**

- < 1 000 000 kWh
- 1 000 000 – 5 000 000 kWh

5 000 000 – 10 000 000 kWh

10 000 000 – 20 000 000 kWh

20 000 000 – 50 000 000 kWh

> 50 000 000 kWh

N/A

Please specify the figure if available: \_\_\_\_\_

**What is the total energy consumption from back-up generators in kWh of the data centre(s) you operate/own? (optional)**

0 - 1 000 kWh

1 000 – 10 000 kWh

10 000 – 100 000 kWh

100 000 – 1 000 000 kWh

> 1 000 000 kWh

N/A

Please specify the figure if available: \_\_\_\_\_

**What is the total energy consumption of IT equipment in kWh of the data centre(s) you operate/own? (optional)**

< 1 000 000 kWh

1 000 000 – 5 000 000 kWh

5 000 000 – 10 000 000 kWh

10 000 000 – 20 000 000 kWh

20 000 000 – 50 000 000 kWh

> 50 000 000 kWh

N/A

Please specify the figure if available: \_\_\_\_\_

**Use of renewable energy**

**What is the total renewable energy consumption in kWh of the data centre(s) you operate/own?**

0 kWh

1 - 1 000 000 kWh

1 000 000 – 5 000 000 kWh

5 000 000 – 10 000 000 kWh

10 000 000 – 20 000 000 kWh

20 000 000 – 50 000 000 kWh

> 50 000 000 kWh

N/A

Please specify the figure if available: \_\_\_\_\_

**What is the total renewable energy consumption from guarantees of origin in kWh of the data centre(s) you operate/own? (optional)**

0 kWh

1 - 1 000 000 kWh

1 000 000 – 5 000 000 kWh

5 000 000 – 10 000 000 kWh

10 000 000 – 20 000 000 kWh

20 000 000 – 50 000 000 kWh

> 50 000 000 kWh

N/A

Please specify the figure if available: \_\_\_\_\_

**What is the total renewable energy consumption from Power Purchasing Agreements in kWh of the data centre(s) you operate/own? (optional)**

0 kWh

1 - 1 000 000 kWh

1 000 000 – 5 000 000 kWh

5 000 000 – 10 000 000 kWh

10 000 000 – 20 000 000 kWh

20 000 000 – 50 000 000 kWh

> 50 000 000 kWh

N/A

Please specify the figure if available: \_\_\_\_\_

**What is the total renewable energy consumption from on-site renewables in kWh of the data centre(s) you operate/own? (optional)**

0 kWh

1 - 1 000 000 kWh

1 000 000 – 5 000 000 kWh

5 000 000 – 10 000 000 kWh

10 000 000 – 20 000 000 kWh

20 000 000 – 50 000 000 kWh

> 50 000 000 kWh

N/A

Please specify the figure if available: \_\_\_\_\_

#### **Waste heat utilisation**

**What is the waste heat utilisation in kWh in the data centre(s) you operate/own?**

0 kWh

1 000 – 10 000 kWh

10 000 – 100 000 kWh

100 000 – 1 000 000 kWh

> 1 000 000 kWh

N/A

Please specify the figure if available: \_\_\_\_\_

**What is the average waste heat temperature in degree Celsius in the data centre(s) you operate/own? (optional)**

< 10 °C

10 - 20 °C

20 - 30 °C

30 - 40 °C

> 40 °C

N/A

Please specify the figure if available: \_\_\_\_\_

**How many cooling degree days did your data centre(s) observe in the last full calendar year?** (optional)

< 25 days

25 – 100 days

100 – 200 days

200 – 500 days

500 – 1 000 days

> 1 000 days

N/A

Please specify the figure if available: \_\_\_\_\_

### **Water usage**

**What is the water usage in cubic metres of the data centre(s) you operate/own?**

< 100 m<sup>3</sup>

100 – 250 m<sup>3</sup>

250 – 500 m<sup>3</sup>

500 – 1 000 m<sup>3</sup>

1 000 – 2 000 m<sup>3</sup>

2 000 – 5 000 m<sup>3</sup>

5 000 – 10 000 m<sup>3</sup>

10 000 – 25 000 m<sup>3</sup>

25 000 – 50 000 m<sup>3</sup>

50 000 – 100 000 m<sup>3</sup>

> 100 000 m<sup>3</sup>

N/A

Please specify the figure if available: \_\_\_\_\_

**What is the potable water usage in cubic metres of the data centre(s) you operate/own?** (optional)

< 100 m<sup>3</sup>

100 – 250 m<sup>3</sup>

250 – 500 m<sup>3</sup>

500 – 1 000 m<sup>3</sup>

1 000 – 2 000 m<sup>3</sup>

2 000 – 5 000 m<sup>3</sup>

5 000 – 10 000 m<sup>3</sup>

10 000 – 25 000 m<sup>3</sup>

25 000 – 50 000 m<sup>3</sup>

50 000 – 100 000 m<sup>3</sup>

> 100 000 m<sup>3</sup>

N/A

Please specify the figure if available: \_\_\_\_\_

#### **AoB (page 5/5)**

**Would you be interested in participating in an in-depth interview to discuss the points above?** In case you are interested, our study team will contact you with further details.

YES

NO

**If you are interested, please provide us with an email address for further communication.**

\_\_\_\_\_

Thank you for your contribution! For any questions or requests for further information, please do not hesitate to contact the study team at EUDCEAR@be.ey.com.

## EU/National industry associations and initiatives + Others

### **General information**

**Which organisation do you represent?** (optional)

Uptime Institute Intelligence \_\_\_\_\_

**Which Member State do you and/or your organisation represent?** *In case you and/or your organisation represent more than one Member States, please select the Member State in which you have the highest amount of data centres. You can start another survey if you would like to provide responses for data centres located in other Member States.*

Dropdown menu with all Member States + Others (please name the country)

We have certified data centers in 19 EU Member States

### Facilities information

**What is the aggregated installed power in MW for the data centre(s) in the Member States that you represent or for the data centre(s) that you represent in case of non-national associations?**

Our members operate more than 100 MW of data centers in EU.

Data provided below is for a global aggregated installed power of 372 MW (79 data centers), including financial, healthcare, technology, colocation, and telecom data centers.

**What is the number of data centre(s) in the Member States that you represent or for the data centre(s) that you represent in case of non-national associations above 500 kW?**

We have certified 150+ data centers in EU Member states.

**For national associations, what percentage of the total data centre market (in terms of the number of data centres) are you covering in the Member State that you represent? (optional)**

N.A.

**What is the typical computer room floor area in square metres for the selected type of data centre(s)?**

Average computer room floor area per data center is 5,873 square meters.

Average occupied electrically active floor area per data center is 4,409 square meters.

### Key performance indicators

*The performance indicators requested are valid for the last full calendar year. Preferably, the data should be sourced from 2023, but if available, 2024 data may be considered.*

### Energy consumption

**What is the average total energy consumption in GWh for the data centre(s) in the Member State that you represent or for the data centre(s) that you represent in case of non-national associations?**

41,755 GWh/year per data center

**What is the average total energy consumption from back-up generators in GWh for the data centre(s) in the Member State that you represent or for the data centre(s) that you represent in case of non-national associations? (optional)**

Data not available. Most data centers conduct periodic test runs. Test intervals can be weekly, monthly, or quarterly.



**What is the average total energy consumption of IT equipment in GWh for the data centre(s) in the Member State that you represent or for the data centre(s) that you represent in case of non-national associations? (optional)**

IT consumption data not available. Average UPS capacity for IT is 3.8 MW and average total data center power use is 4.8 MW. Assuming a capacity factor of 70%, IT power consumption would average 2.7 MW which translates to 2,3 GWh/year. Our global industry survey data shows that average PUE has flattened out just above 1.5, with Europe somewhat lower.

#### **Use of renewable energy**

**What is the average total renewable energy consumption in kWh for the data centre(s) in the Member State that you represent or for the data centre(s) that you represent in case of non-national associations?**

Data not available.

**What is the average total renewable energy consumption from guarantees of origin in kWh for the data centre(s) in the Member State that you represent or for the data centre(s) that you represent in case of non-national associations? (optional)**

Data not available.

**What is the average total renewable energy consumption from Power Purchasing Agreements in kWh for the data centre(s) in the Member State that you represent or for the data centre(s) that you represent in case of non-national associations? (optional)**

Data not available.

**What is the average total renewable energy consumption from on-site renewables in kWh for the data centre(s) in the Member State that you represent or for the data centre(s) that you represent in case of non-national associations? (optional)**

Insignificant as a percentage of total energy consumption.

#### **Waste heat utilisation**

**What is the average waste heat utilisation in kWh for the data centre(s) in the Member State that you represent or for the data centre(s) that you represent in case of non-national associations?**

Data not available. Waste heat recovery is not deployed for a majority of sites.

**What is the average waste heat temperature in degree Celsius for the data centre(s) in the Member State that you represent or for the data centre(s) that you represent in case of non-national associations?**

Data not available. Can vary from 20C to 35C.

**How many cooling degree days did the data centre(s) in the Member State that you represent or the data centre(s) that you represent in case of non-national associations observe in average in the last full calendar year? (optional)**

Data not available.

#### **Water usage**

**What is the average water usage in cubic metres for the data centre(s) in the Member State that you represent or for the data centre(s) that you represent in case of non-national associations?**

37,070 cubic meters/year per data center. Notably 35% of data centers do not track water use. This is consistent with our global surveys also showing that a significant percentage of data centers do not track water use.

**What is the average potable water usage in cubic metres for the data centre(s) in the Member State that you represent or for the data centre(s) that you represent in case of non-national associations? (optional)**

Data not available.

#### **AoB (page 5/5)**

**Would you be interested in participating in an in-depth interview to discuss the points above?** In case you are interested, our study team will contact you with further details.

YES

NO

**If you are interested, please provide us with an email address for further communication.**

trahkonen@uptimeinstitute.com

Thank you for your contribution! For any questions or requests for further information, please do not hesitate to contact the study team at EUDCEAR@be.ey.com.

## Survey 2 - The needs and feasibility of establishing a common EU-wide reporting scheme and minimum performance standards for data centres

### General information (Page 1/3)

#### Which type of stakeholder group do you represent?

- Data centre operators/owners
  - EU/National industry associations and initiatives
  - Others
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#### Which operator/organisation do you represent? (optional)

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**In which Member States is/are the data centre(s)/your organisation located?** *Please select the Member State where the data centre you wish to provide feedback on is located. You can start another survey if you would like to provide responses for data centre(s) located in other Member States.*

*Dropdown menu with all Member States + Others (please name the country)*

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### Common EU rating scheme for data centres (Page 2/3)

#### What benefits do you see in the implementation of a common EU sustainability rating scheme for data centres?

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#### What key sustainability indicators (e.g. energy efficiency, water usage, carbon footprint) should be included in such a scheme?

- Power usage efficiency (PUE / DCiE)
- Energy reuse factor (ERF)
- Renewable energy factor (REF)
- Average emission factor (AEF)

- Water usage efficiency (WUE)
- Carbon Usage Effectiveness (CUE)
- Cooling Capacity Factor (CCF)
- Data Center Power Density (DCPD)
- Other: \_\_\_\_\_

**Minimum performance standards and transition towards net-zero emissions [\(Page 3/3\)](#)**

**Does your organisation have a developed internal sustainability plan?**

- Yes
- No

**(IF YES) What was your primary motivation to create and adapt the internal sustainability plan?**

- Economic reasons
- Regulation / legislative
- Demanded by customers
- Other: \_\_\_\_\_

**(IF Yes) What goals and/or performance standards have you stated in your internal sustainability plan?**

\_\_\_\_\_

**(IF Yes) In what timeframe do you expect to achieve your internal goals and/or performance standards?**

- < 1 year
- 1 – 5 years
- >5 years

**Do you believe minimum performance standards should be mandated for data centres? Please, provide a brief argumentation.**

\_\_\_\_\_

**Do you believe the minimum requirements (regarding, e.g., heat reuse, energy efficiency, low-carbon energy) should be evaluated and mandated separately (e.g., the German “Energieeffizienzgesetz” states concrete requirements for PUE, ERF, REF) or in a combined metric/scheme?**

Each minimum requirement should be reached separately per indicator

A common requirement should be defined by combining the indicators

**Which aspects do you consider the most crucial in comparing different data centres?**

Climate conditions

Local regulatory framework

Data centre size

Data centre type

Age of the data centre

Other: \_\_\_\_\_

**How should minimum performance standards account for the abovementioned variations?**

\_\_\_\_\_

**What actions and/or approach would you consider suitable to improve the sustainability of existing data centres while also discouraging their premature decommissioning?**

\_\_\_\_\_

**Do you believe that the current EU sustainability goals are contradictory to the goals of the “digital decade”?**

Yes

No

(IF Yes) **What actions do you consider appropriate to mitigate the negative effects of the sustainability goals towards the EU digital decade targets? Please, provide a brief argumentation.**

\_\_\_\_\_

**AoB**

**Would you be interested in participating in an in-depth interview to discuss the points above?** In case you are interested, our study team will contact you with further details.

YES

NO

(If Yes) **Please provide us with an email address for further communication.**

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Thank you for your contribution! For any questions or requests for further information, please do not hesitate to contact the study team at [EUDCEAR@be.ey.com](mailto:EUDCEAR@be.ey.com).

Type text here

# Survey Responder Privacy Notice

Members in multiple Member

## 1. Introduction

This Privacy Notice is intended to describe the practices EY follows in relation to Qualtrics CoreXM (“Tool”) with respect to the privacy of all individuals whose personal data is processed and stored in the Tool. This Privacy Notice should be read together with the [ey.com Privacy Statement](#), and in case of any conflict with the [ey.com Privacy Statement](#), the terms of this Privacy Notice will prevail. Please read this Privacy Notice carefully.

## 2. Who manages the Tool?

“EY” refers to one or more of the member firms of Ernst & Young Global Limited (“EYG”), each of which is a separate legal entity and can determine the purposes and means for data processing in its own right (i.e. act as a data controller or in a similar capacity) . The entity that is acting as data controller (or similar capacity) by providing this Tool on which your personal data will be processed and stored is EY Global Services Limited. EY Global Services Limited licenses the Tool from Qualtrics, 400 West Qualtrics Drive, Provo, United States UT 84606.

The personal data in the Tool is shared by EY Global Services Limited with one or more member firms of EYG (see “Who can access your personal data” section 6 below).

The Tool is hosted on the servers in Frankfurt by Qualtrics.

## 3. Why do we need your personal data?

The Tool provides an enterprise-wide survey tool to serve a variety of needs for data collection throughout the EY organization, allowing EY employees, contractors, and any individual with an EY email address to create and send surveys to internal and external responders to gather data required for business purposes.

Your personal data processed in the Tool is used as follows: survey authors will process information received in response to feedback requests into relevant presentations for clients or for internal purposes. Data will be aggregated and anonymized when processed for these presentations.

EY relies on the following basis to legitimize the processing of your personal data in the Tool: processing of your personal data is necessary for the purposes of the legitimate interests pursued by the data controller or by a third party, except where such interests are overridden by the interests or fundamental rights and freedoms of the data subject which require protection of personal data. The specific legitimate interest(s) are conducting client engagements, and learning and events registration and management.

If you are an EY Client and/or third-party, we process your personal data based on your consent. The provision of your personal data to EY is optional. However, if you do not provide all or part of your sensitive personal data, we may be unable to carry out the purposes for processing. You have the right to withdraw your consent at any time.

You have the right to object at any time, on grounds relating to your particular situation, to the processing of personal data concerning you based on the above legitimate interest(s).

#### 4. What type of personal data is processed in the Tool?

The Tool processes these personal data categories:

- For EY survey authors, the Tool will process the author's full name and EY email address
- For internal EY survey respondents, the Tool will process the respondent's full name, EY email address, rank, Global personnel Number (GPN), and office location
- For external respondents such as clients, potential clients, suppliers or other stakeholders, the Tool will process the respondent's email address in a restricted survey
- For any respondent, data entered as responses in the Tool will also be processed

This data is sourced from: EY partners, employees or contractors, clients and any other survey recipients.

#### 5. Sensitive personal data

Sensitive personal data reveals your racial or ethnic origin, political opinions, religious or philosophical beliefs, trade union membership, genetic data, biometric data, data concerning health or data concerning sex life or sexual orientation.

EY does not intentionally collect any sensitive personal data from you via the Tool. The Tool's intention is not to process such information.

#### 6. Who can access your personal data?

Your personal data is accessed in the Tool by the following persons/teams:

- EY personnel have access to the data in the surveys they have created or have been granted access to.
- Five Brand Admins located in the US and India have full access to the tool for the purposes of: implementing and maintaining the application with standard configurations; defining templates and metadata; and configuring the question bank and logic for branching that is usable by all. These Admins will arrange for EY personnel to have access to the tool and register users for access and control permissions/rights.
- Survey authors who are located globally have read, write, edit and delete access (depending on the data type) for the purposes of: creating surveys; extending invitations to responders; managing and controlling access to surveys; corresponding results; and creating reports based on results.
- Survey responders (internal EY users and EY clients who are invited to respond anonymously to surveys) who are located globally have read, write and edit access to their own responses to the survey for the purposes of submitting their own survey responses.
- Vendor personnel located in USA, Ireland, Poland and Australia will have limited read, write, edit and delete access when providing support to the system such as reviewing and correcting any issues.

The access rights detailed above involves transferring personal data in various jurisdictions (including jurisdictions outside the European Union) in which EY operates (EY office locations are listed at [www.ey.com/ourlocations](http://www.ey.com/ourlocations)). An overview of EY network entities providing services to external clients is accessible [here](#) (See Section 1 (About EY) - "View a list of EY member firms and affiliates"). EY will process your personal data in the Tool in accordance with applicable law and professional regulations in your jurisdiction. Transfers of personal data within the EY network are governed by [EY's Binding](#)



## **Corporate Rules.**

We transfer or disclose the personal data we collect to third-party service providers (and their subsidiaries and affiliates) who are engaged by us to support our internal ancillary processes. For example, we engage service providers to provide, run and support our IT infrastructure (such as identity management, hosting, data analysis, back-up, security and cloud storage services) and for the storage and secure disposal of our hard copy files. It is our policy to only use third-party service providers that are bound to maintain appropriate levels of data protection, security and confidentiality, and that comply with any applicable legal requirements for transferring personal data outside the jurisdiction in which it was originally collected.

To the extent that personal data has been rendered anonymous in such a way that you or your device are no longer reasonably identifiable, such information will be treated as non-personal data and the terms of this Privacy Notice will not apply.

For data collected in the European Economic Area (EEA) or which relates to individuals in the EEA, EY requires an appropriate transfer mechanism as necessary to comply with applicable law. The transfer of personal data from the Tool to the system vendor and client personnel is governed by an agreement between EY and the service provide or client that includes standard data protection clauses adopted by the European Commission.

### **7. Data retention**

Our policy is to retain personal data only for as long as it is needed for the purposes described in the section “Why do we need your personal data”. Retention periods vary in different jurisdictions and are set in accordance with local regulatory and professional retention requirements.

In order to meet our professional and legal requirements, to establish, exercise or defend our legal rights and for archiving and historical purposes, we need to retain information for significant periods of time.

The policies and/or procedures for the retention of personal data in the Tool are defined by: the EY Records Retention Global Policy, the relevant Country Retention Schedule and, for log data, the EY IT Logging Policy.

After the end of the data retention period, your personal data will be deleted.

### **8. Security**

EY protects the confidentiality and security of information it obtains in the course of its business. Access to such information is limited, and policies and procedures are in place that are designed to safeguard the information from loss, misuse and improper disclosure. Additional information regarding our approach to data protection and information security is available in our [Protecting your data](#) brochure.

### **9. Controlling your personal data**

EY will not transfer your personal data to third parties (other than any external parties referred to in section 6 above) unless we have your permission or are required by law to do so.

You are legally entitled to request details of EY’s personal data about you.

To confirm whether your personal data is processed in the Tool or to access your personal data in the Tool or (where applicable) to withdraw your consent, contact your usual EY representative or email your

request to [global.data.protection@ey.com](mailto:global.data.protection@ey.com).

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#### 10. **Object, rectification, erasure, restriction of processing or data portability**

You can confirm your personal data is accurate and current. You can object to the processing of your personal data or request rectification, erasure, restriction of processing or a readily portable copy of your personal data by contacting your usual EY representative or by sending an e-mail

to [global.data.protection@ey.com](mailto:global.data.protection@ey.com).

#### 11. **Complaints**

If you are concerned about an alleged breach of privacy law or any other regulation, contact EY's Global Privacy Leader, Office of the General Counsel, 6 More London Place, London, SE1 2DA, United Kingdom or via email at [global.data.protection@ey.com](mailto:global.data.protection@ey.com) or via your usual EY representative. An EY Privacy Leader will investigate your complaint and provide information about how it will be handled and resolved.

If you are not satisfied with how EY resolved your complaint, you have the right to complain to your country's data protection authority. You can also refer the matter to a court of competent jurisdiction.

Certain EY member firms in countries outside the European Union (EU) have appointed a representative in the EU to act on their behalf if, and when, they undertake data processing activities to which the EU General Data Protection Regulation (GDPR) applies. Further information and the contact details of these representatives are available [here](#).

#### 12. **Contact us**

If you have additional questions or concerns, contact your usual EY representative or email [global.data.protection@ey.com](mailto:global.data.protection@ey.com)