

Analysis of Practices to Collect, Store and Assess Information from **Energy Audits and Energy Management Systems under Article 8 of** the EED until 2024 and Recommendations for the Implementation of the new Article 11 of the revised EED

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3. Key recommendations to European Member States based on the analysis

Harmonise the type of collected information from EnMS and audits and the collection methods for enhanced EUwide assessment

- Strengthen the compatibility of data
- Use systems with simplified data extraction and automatic evaluation functions
- Systematically assess the collected information from EnMS and audits to develop new policies
- Adopt standardised tools with similar features for data

- Start to collect, monitor, verify and evaluate data from EnMS
- Introduce automatic error detection and plausibility checks
- Harmonise the tools for data extraction and enhance compatibility of databases for EU-wide analyses
- collection and evaluation to exchange technical and benchmarking information
- Start to collect and evaluate data from EnMS

2. Challenges that have been identified through the analysis

Data collection and verification challenges

- Differences in methods of data collection and categories of collected data between the Member States are a barrier for EU-wide analysis
- European standards for audits and EnMS are recommended but not mandatory in most countries
- Collected data does mostly not cover EnMS and voluntarily implemented energy audits
- Verification procedures vary from country to country

Data storage issues

- Some countries lack centralised digital platforms for collected data
- The structure of data is inconsistent and varies significantly
- Data collection, storage and maintenance is very resource-intensive and complex
- Due to security restrictions in some countries, not all data is accessible for analysis

Data assessment challenges

- The data from audits and EnMS is in some countries not systematically analysed and used to e.g. develop new policies
- The implementation of energy efficiency measures recommended in the audit reports is not monitored
- The collected indicators vary from country to country, making it difficult to systematically compare data and develop benchmarks

1. Selected key results of the analysis of current practices to collect, store and assess information from energy audits and EnMS under the requirements of Art. 8 of the 2012 EED in ten EU Member States

Categories of information collected from energy audits and EnMS in ten EU members states

Collected data is stored in a variety of ways, from large databases to Excel spreadsheets.

Use of data collected from energy audits and EnMS

- ► The analysis shows differences in the methods of data collection and categories collected. All countries collect general information on the company, only some collect data on energy consumption structure.
- Systematic Data collection mostly happens in relation to the execution of the mandatory Energy Audit Regulation. Some Countries collect data on EnMS within these structures as well.



in ten EU Member States

• Collected data is used for different purposes such as development of new policies or benchmarks for energy performances.



The following three methodological steps lead to the results presented

Analysis of current practices to collect, store and assess information from energy audits and EnMS under the requirements of Art. 8 of the 2012 EED in ten EU countries through a questionnaire filled in by experts from the national energy agencies

Identification of challenges 0 to meet the requirements of Article 11 of the 2023 EED



Development of recommendations • for the transposition of Article 11 requirements into national law





Deliverable 2.1

Article 8 EED Implementation in the Participant Agencies' Countries: analysis of Practices to Collect, Store and Assess Information from Energy Audits and Energy Management Systems

Linking Energy Audit and EnMS Policies towards new EED Article 11

Leapto11 supports European institutions in the national implementation of Article 11 of the European Energy Efficiency Directive through cooperation between European energy agencies.

Work Package 1	Management & Cooperation
Work Package 2	Implementation of Energy Audits and EnMS
Work Package 3	Resource efficiency and pilot cases
Work Package 4	Policy implementation of provisions regarding energy audits and EnMS in the EED recast
Work Package 5	Sustainability, usage and communication of project results



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