

# EED ARTICLE 8

## Member States' implementation - INTRODUCTION

EU Sustainable Energy Week - Policy Conference - 17 June 2015

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# A study on energy efficiency in enterprises

## Energy audits and energy management systems

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- Project for DG Energy European Commission
- Partners: Ricardo AEA and Fraunhofer ISI
- Best practices and knowledge sharing opportunities to support Member States in the implementation of Article 8 of the Energy Efficiency Directive (EED)

Member States are required to implement a **four-yearly energy audit obligation for large enterprises - industry, transport, buildings -** and to develop programmes to **encourage small or medium-sized enterprises (SMEs) to voluntarily undergo energy audits and to implement the recommendations from these audits.**

## Data collection

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- Comprehensive literature review:
  - Policy documents
  - Implementation plans
  - Scientific studies
  - International standards
  - Various relevant databases
  - Best practice examples
  
- Qualitative interviews in all 28 Member States, with European and national experts engaged in Article 8 implementation activities

## Data collection

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- Quantitative survey targeting a range of respondent types:
  - Policy makers
  - Scheme administrators
  - Energy auditing firms
  - Large enterprises
  - SME's
  - Research institutions
  
- Stakeholder network engagement activities:
  - Raise awareness for the study
  - Identify updated data sources
  - Facilitate participation from targeted respondents in the quantitative data collection effort
  - Gather input on interim study findings and recommendations

## Data to be collected - Current state of EED implementation

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- Official body responsible for the implementation of the EED
- Most recent official communication concerning the implementation of the EED
- General activities taken by government to comply with Article 8
- Definition applied for both SMEs and large enterprises and comparison with EU definition
- Any specific activities from within the MS worth mentioning in the context of Article 8

## Data to be collected – Large enterprises

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- National legislation to meet the obligations of Article 8 for large enterprises
- Energy audit approach for multinationals and multi-site enterprises
- Instruments, incentives, etc. to promote the use of energy audits and energy management systems in large enterprises
- Compliance options and exemptions from regular energy audits
- Administrative processes to monitor large enterprises compliance with legislation and measure the impact of resultant energy efficiency improvements
- Penalties for non-compliance with the provisions of Article 8 for large enterprises
- Energy audit requirements
- Qualification and accreditation of energy auditors
- Cost of energy audits
- Typical recommendations of the most significant opportunities for improvement of energy efficiency resulting from energy audits

## Data to be collected – SMEs

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- Framework to provide technical assistance and targeted information
- How to address the high initial costs of implementation, without which audits would not be carried out and implemented on the scale required
- Support schemes to cover costs of an energy audit and of the implementation of highly cost-effective recommendations from the energy audits
- Conditions to provide assistance and targeted information
- Incentives or support schemes to implement energy or environmental management systems
- Engagement with organisations representing SMEs to demonstrate how energy management systems could help their businesses
- How to raise awareness and lack of expertise among SMEs
- Types of organisations representing SMEs contributing to the exchange of information
- European Commission support to the exchange of best practices

## Qualitative interviews

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- Scheme administrators
  - Energy Agencies: Österreichische Energieagentur, Vlaams EnergieAgentschap, Energimyndigheten, etc.
  - Ministries: Ministère de l'écologie, du développement durable et de l'énergie, DGO4 Wallonia, Ministry of Energy Cyprus , Sustainable Energy and Water Conservation Unit Malta, UK Department of Energy and Climate Change
  - Other
  
- National accreditation bodies
  - UKAS, SWEDAC, ENAC, SA, SNAS, RENAR, IPAC, PCA, RVA, NAB, DAkkS, COFRAC, etc.
  
- Other relevant stakeholders



## Quantitative survey

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- Focused on the 'market actors':
  - Large enterprises required to carry out Article 8 compliant energy audits
  - Relevant suppliers of related services
  - Member States administrators or implementers which might not be interviewed during the qualitative and literature research
  - SME's voluntary carrying out energy audits or implementing energy management systems
  - Research institutions and trade associations
  
- Survey was launched last week
  
- 10 to 15 minutes to complete it – depending on the respondent's level of knowledge or experience
  
- <https://www.surveymonkey.com/r/3VHF5QY>

# Quantitative survey

## A study on energy efficiency in enterprises: energy audits and energy management systems

### Survey information

Welcome to the survey!

To improve industrial energy efficiency, the Energy Efficiency Directive (EED) obliges Member States (MS) in its Article 8 to promote and ensure the use of high quality, cost-effective energy audits and energy management systems to all final customers.

Within our project for DG Energy we will generate best practices and knowledge sharing opportunities to support MS in the implementation of Article 8 of the EED. This will help to ensure that MS comply with the requirements of the EED in a consistent manner.

To maximise the value that can be added to this study, we are utilising a variety of data collection methods including literature review and qualitative interviews with European and international experts. We have also developed this online survey to improve both the volume and breadth of perspectives we can address in the various study tasks.

The survey can be completed in 10-15 minutes. Responses will be reported only in the aggregate and individual results will be kept strictly confidential.

Thank you for taking the time to participate in this survey.

Please click "Next" to continue.

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# Stakeholder network engagement

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- Informal session 3 June 2015 eceee Summer Study
- Workshop 17 June 2015 - EU Sustainable Energy Week Policy Conference Brussels:
  - Introduction and overview of best practices in different Member States
  - National perspective and UK ESOS – Martin Adams (DECC)
  - Voluntary agreement Walloon Region – Jean-Benoît Verbeke (Accords de Branche expert) and Carl Maschietto (DGO4)
  - Challenges and opportunities for multinational companies – Lieven Stalmans (Borealis) and Hans-Jörn Weddige (ThyssenKrupp)
  - Learning Energy Efficiency Networks – Dirk Köwener (LEEN)
  - Moderated discussion



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**[www.energy-audits-and-management.eu](http://www.energy-audits-and-management.eu)**

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