



Overview of the implementation of EE measures under current Art. 8

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Context

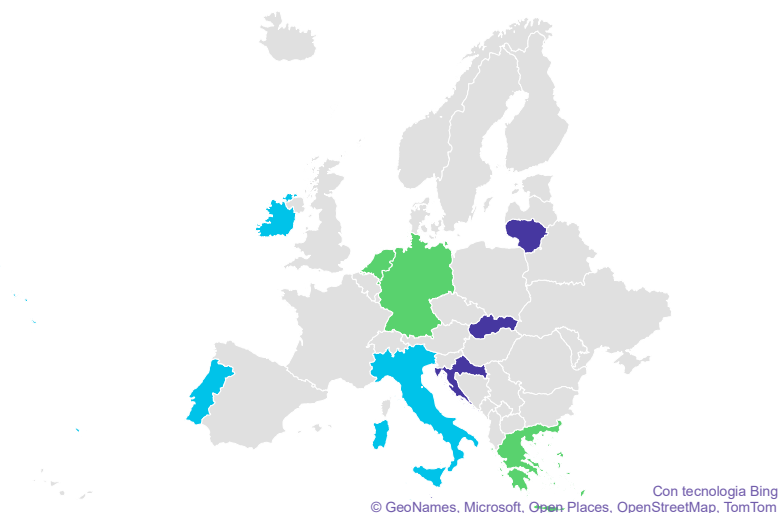
- **Effect of Energy Audit (EA) obligation policies on the implementation of energy efficiency measures (EEMs)**
- [LEAPto11 D2.1](#) on the differentiation between countries regarding the implementation of EA obligation
 - the starting point is key for EEMs data collection, analysis and publication
- Methodology used for the LEAPto11 D2.2 analysis is developing a **questionnaire for experts from partner energy agencies**
- Companies having an EA are 1.5 times more likely to invest in EE
 - **Focus areas of investment:** In which intervention areas do they invest?
 - **Energy savings:** What are the actual savings achieved?
 - **Economic indicators:** What are the cost-effectiveness and Payback Time (PBT) of these investments?
 - **Implementation rate:** Which share of the EEMs recommended in EA is implemented?

Enhancing the availability of information would allow to gain a more in-depth knowledge on the effectiveness of EA obligation in promoting EE deployment

Collection and publication of EEMs data under Art. 8/11 in LEAPto11 countries

Existence of a database of EEMs under art.8/11

■ Not yet ■ Partial ■ Yes



Country	Authority collecting EEMs data under art.8	EEMs Collection Method	Data publication
Croatia	Ministry of Economy	Energy audits stored in a repository	Data published in reports
Germany	BAFA	Energy audits internal database for recommended EEMs	Data not published
Greece	Ministry of Environment & Energy	Energy audits internal database for recommended EEMs	Data are partially published
Ireland	SEAI	Energy audit compliance notification system	Data not published
Italy	ENEA	Energy audits web portal	Data published in reports, documents and scientific papers
Lithuania	LEA	Energy audits stored in a repository	Data not published
Netherlands	RVO	Energy audits stored in a repository	Data not published
Malta	EWA	Energy audits stored in a repository	Data not published
Portugal	ADENE	SGCIE web portal	Data published in SGIE portal, reports and documents
Slovakia	Slovak National and Accreditation Service	Energy audits stored in a repository	Data not published

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Implemented and recommended EEMs from EAs and EnMs

- In **four countries out of ten**, information on implemented and recommended EEMs can be extracted from a database
- In some other countries the current situation is evolving towards higher data availability
- In **Germany** information on recommended measures is available, while in **Ireland, Italy** and **Portugal** also for implemented measures and in the last two countries for the 2019-2023 period
- For these countries, the following indicators can be computed for implemented or recommended EEMs, or both:
 - Average final energy savings per EEM (toe)
 - Final energy savings / Energy consumption (%)

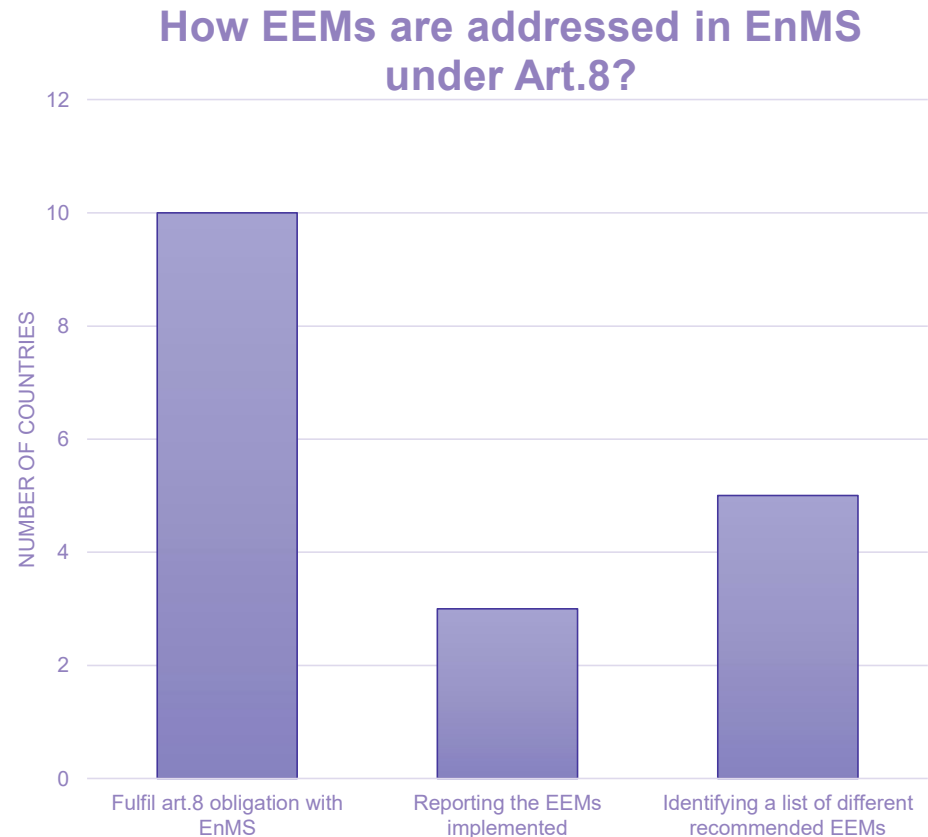
EEMs in Energy Audit Guidelines

- **Guideline Availability:** all but one of the examined countries provide publicly available guidelines for EA
- **Implemented vs recommended EEMs:** information is more frequently requested for recommended EEMs (9 countries) than for those that have already been implemented (7 out of 9 countries)
- **Metrics:** commonly recommended indicators include energy and economic savings, initial investments, and payback time
- **EE incentives:** while the consideration of incentives is occasionally suggested, they are often overlooked in practice

EEMs in Energy Management Systems

- All partners comply with Art. 8 by implementing EnMS, but significant variability in practices
- Only a few countries, specifically **Ireland**, **Malta**, and **Portugal**, ask companies to report both implemented and recommended EEMs
- Other countries, like **Greece** and **Slovakia**, include a list of recommended EEMs but do not require reporting on implemented ones
- In the remaining countries the reporting on both implemented and recommended EEMs is limited or absent when complying to art.8 with an EnMS

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EEMs facilitating factors

- The opinions on relevance reflect the views of the individual experts and do not represent the official stance of the respective agencies
- The Y-axis represents the number of agencies attributing each relevance level (high, average, low) to a factor

Factors facilitating the Implementation of EEMs



Good practices by type in LEAPto11 countries

16 good practices aimed at encouraging EEMs' implementation

□ Economic policies:

Tax incentives for energy intensive industries under the condition that an EA is conducted or **Subsidies** using structural funds to support the implementation of EA recommendations

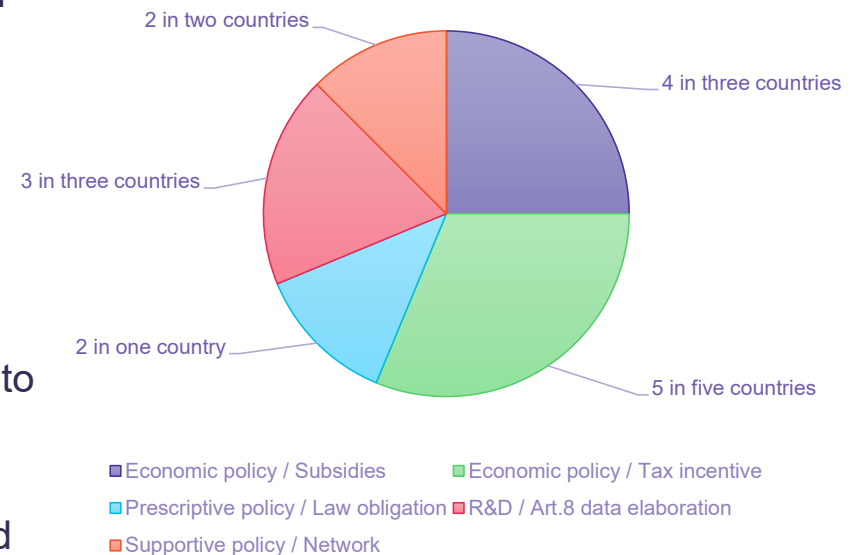
□ Supportive policies:

Networks of companies where having an EA is a condition to participate

□ R&D:

Subsector notebooks analyzing sectoral data from EAs and identifying EEMs

Distribution of good practices by type



Next steps



Analysis of **quantitative information on EEMs** for countries having it



Comparison of EA policy implementation among different obligation phases to identify main developments



Identification and description of programs supporting **EEMs implementation beyond Art.8** and providing quantitative information



The overall analysis is aimed to provide an **updated overview of current situation** for partners before they start or continue the EED transposition process



The information gathered in this project deliverable will be the basis on which building activities of WP4 devoted to the **Art.11 policy implementation**

LEAP to 11