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Lessons can we learn from implementation of the current EED to further improve EED implementation

*Concerted Action Energy Efficiency Directive
CA EED*

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14th June 2018

Poland

Contents



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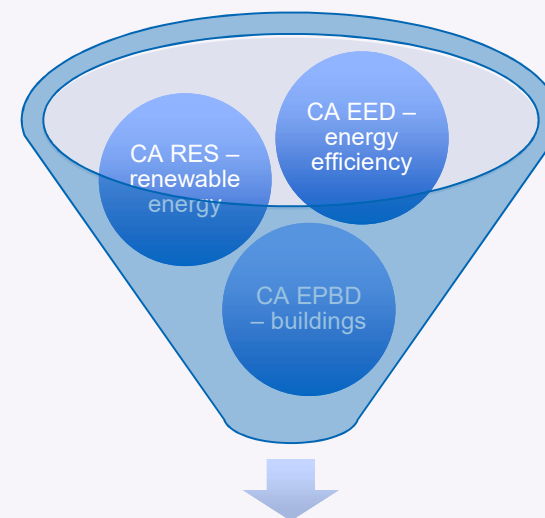
Concerted Actions

The instrument



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- Concerted Actions provide a platform for Member State implementing bodies to exchange information on good practice examples and learn from others including IEE/Horizon2020 project results and ongoing work.
- The actions support the swift and efficient implementation of complex EU framework legislation.



Implementation of EU
Energy Directives
(Secure, clean and efficient energy)

CA Energy Efficiency Directive



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2017 – 2021

All Members States
participate plus Norway

EED Implementing bodies: a
mix of ministries, national
energy agencies, nominated
bodies

Financed by Horizon 2020

Supported by DG Energy and
European Agency for SME
(EASME)

Domain	EED Articles and Annexes
1 Energy efficiency schemes and measures: planning, monitoring and verification and savings calculations	Art 3, Art 7(6), (10) (d, e, f, i), Art 21, Art 24 Annexes 4, 5 and 14 Art 7 (excl. paragraphs 7(6), (10) (d, e, f, i))
2 Public buildings and purchasing, long term building renovation strategy	Art 5 Annex 3 Art 6 and 19(1b) Annexes 3 and 13 Art 4 and 19(1a)
3 Metering and billing, demand response and grid efficiency	Art 9, 10 and 11 Annex 7 Art 15(8) Annex 11 (2) and (3) Art 15 Annexes 11 (1) and 12
4 Energy services, audits, ESCOs and certification	Art 18(1,2,3) Annex 13 Art 8 Annex 6 Art 16
5 Efficiency in Energy Supply, high efficiency CHP and heating/cooling	Art 14 Annexes 1, 2, 8, 9 and 10
6 Finance, information and training	Art 20 Art 12, 16 and 17

Examples from work on Audits (Art 8)

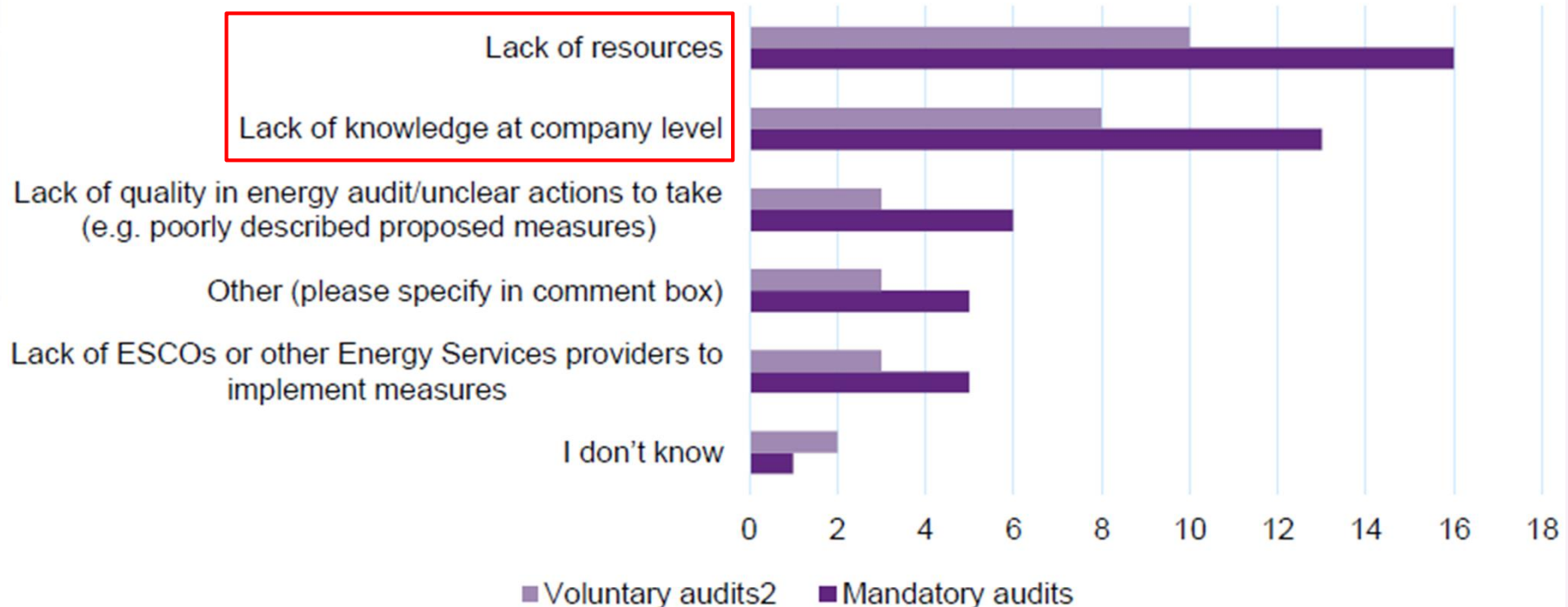


- Audits are key to achievement of energy efficiency: awareness, cost saving, identification of appropriate measures
- 5 Working Groups since 2013 on specific aspects of Audits
 - Supported by 12 presentations from Member States on their implementation of audits
 - The EED criteria
 - The schemes or systems
 - Reporting on audits and capturing data
 - Quality of audits and cross border recognition of auditors
- How to improve the quality of audits and ensure implementation of measures?
 - Quality of auditors Quality of the report
 - Quality of audits Quality control
- Implementation of the measures

Implementation of identified measures



Perceived barriers to the implementation of proposed measures



Financing – a cross cutting issue



Three examples on financing



www.kommuninvest.se – A Green Future, supporting climate friendly initiatives at municipal level

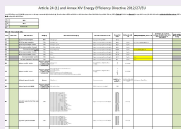


www.bosbank.pl - Financing for energy efficiency from a commercial bank's experience: BOS Bank (Poland)



www.slovseff.eu - a sustainable energy financing facility developed by the EBRD in collaboration with the Ministry of Environment of the Slovak Republic and the Ministry of Agriculture, Food and Environment of Spain

Key areas for Member States



- Methodologies and tools for standardised measurement and verification for energy efficiency oriented projects.
- Article 7 aligning practical aspects of monitoring/measurement and verification with EED requirements
- CHP reporting requirements
- Balancing the need to comply with EU reporting requirements and freeing up resources for energy efficiency itself
- Financing energy efficiency, involving market actors and financial institutions
- Mainstreaming energy efficiency criteria in public procurement for products, buildings and services
- MS definitions of SMEs do not always align with EED definition creating conflict with existing successful audit schemes

Moving forward



- Revised legislation is expected not to be revolutionary but to strengthen the foundations that have been laid under the 2012 legislation
- Shift away from interpretation and transposition
- Focus is now on
 - Implementation – support via in-depth information exchange
 - National Energy and Climate reporting requirements
 - Capitalising on measures
 - Financing mechanisms

CA EED Roadmap



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In-depth workshop(s), Study visits, webinars, Joint CA initiatives

Finding information



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Expert Areas

During the Concerted Action (CA), work is structured around fourteen "Expert Areas". These Expert Areas cover the requirements of the Energy Efficiency Directive (EED).

The Expert Areas are defined as:



Planning, monitoring and verification and savings calculations



Public buildings



Public purchasing



Long term building renovation strategy



Metering and billing information



Demand side resources



Grid efficiency and transformation efficiency



Energy services and ESCOs



Energy audits and management systems



Certification of energy services, training and certification of energy auditors and energy managers



Efficiency in Energy Supply, high efficiency CHP and heating/cooling



Energy efficiency obligation schemes and alternative measures



Finance (cross-cutting area)



Information and training (cross-cutting area)

www.ca-eed.eu



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ALL Public reports Presentation Good practice factsheets

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Document	Author	Organisation	Type	Date
German experience from EPC implementation at national and local level	Anne Kimmel	Federal Energy Efficiency Centre Germany (BEE)		Mar 18
H2020 GuarantEE project Online Tool: EPC PreCheck	Irma Thijssen	Netherlands Enterprise Agency		Mar 18
Public EPC: the French experience	Frederic Rosenstein	Agence de l'environnement et de la maîtrise de l'énergie		Mar 18
EIB advisory services for EPC	Dinis Rodrigues, Robert Pernetta	European Investment Bank Group		Mar 18
Core Theme Series Report - Funds and financing, January 2013 to October 2016				Mar 17
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Why financial instruments to support energy efficiency uptake - Ioannis Orfanos.pdf				Oct 16
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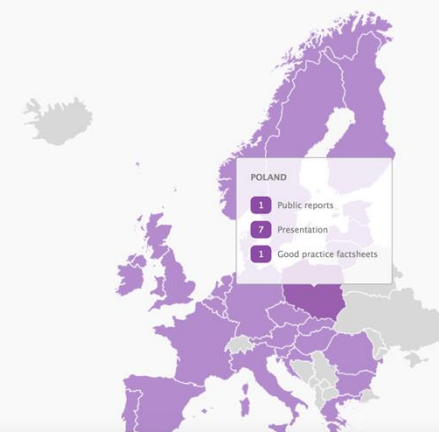


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Select a country



From across the EU, Member States involved in the CA EED work with a collaborative approach; sharing ideas and processes during the implementation of the Directive.

Each Member State submits a series of reports, presentations, good practice factsheets as well as other documentation.

To find more documentation from a specific Member State, please select a country and read more of the documentation available.

Select a country:



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Thank you for your attention



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WP3 Expert areas and Domains



- 14 Expert areas
- 6 Domains:
 - Energy efficiency schemes and measures: planning, monitoring and verification and savings calculations: *Motiva – Ulla Suomi*
 - Public buildings and purchasing, long term building renovation strategy: *KAPE – Tadeusz Skoczkowski*
 - Metering and billing, demand response and grid efficiency: *ADENE – Fernando Martins*
 - Energy services, audits, ESCOs and certification: *ENEA – Marcello Salvio, SEAI – Alan Ryan, FI Energy Authority - Juha Toivanen*
 - Efficiency in Energy Supply, high efficiency CHP and heating/cooling: *ISJ – Stane Merse*
 - Finance, information and training: *STEM – Anette Persson, ADEME – Catherine Guermont*
- Pool of experts from Member States