



# Uptake of energy audits recommendations for the energy transition of companies

## LIFE-2021-CET-AUDITS

LIFE Clean Energy Transition Info Day  
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# Article 8 of the EED

Member States shall:

§1: Promote the availability to all final customers of **cost-effective, independent and supervised high quality energy audits.**

§2: Develop programmes to **encourage SMEs to undergo energy audits and the subsequent implementation of the recommendations** from these audits.

§4-7: Ensure that **non-SMEs are subject to an energy audit** (first audit until 5 December 2015, thereafter every four years) based on minimum criteria (Annex VI) **or they may implement an energy or environmental management system (which includes an audit).**



# Challenges

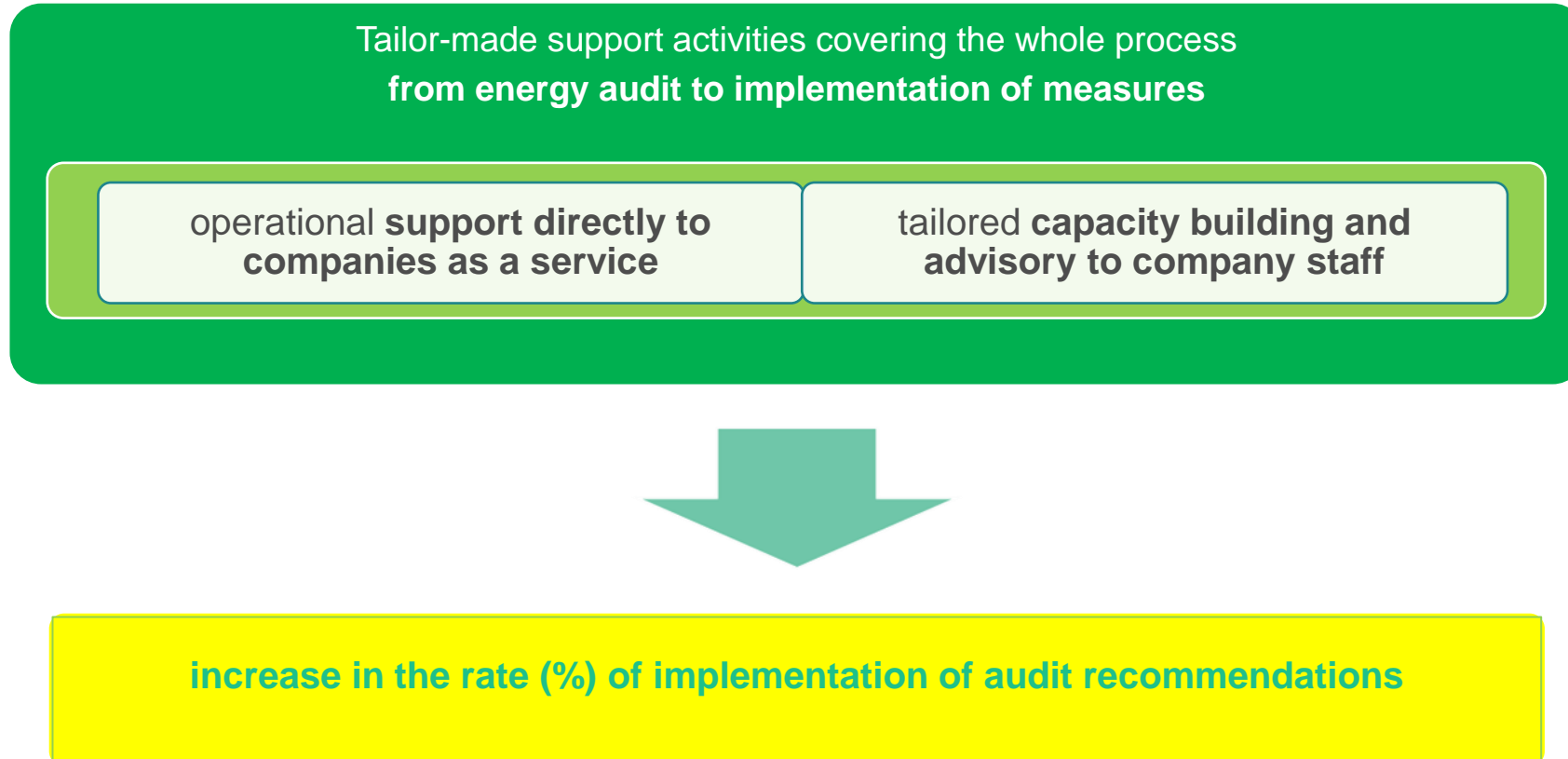
Only a small share of the measures recommended are implemented

Uncertainty on actual energy savings, long payback times, difficulty to access to finance and limited public incentives

The **multiple benefits** of energy efficiency are often underestimated, especially by smaller and non-energy-intensive companies



# Scope 1/2



# Scope 2/2

- Proposals should clearly:
  - identify and **justify the economic sectors (NACE), size of enterprises and/or territories** on which they focus and demonstrate the adequacy of their proposed approach.
  - demonstrate the **support and active involvement of key stakeholders**, such as professional federations, local and regional authorities, chambers of commerce, etc.



# Impacts

Contribution to a **better implementation of Art. 8 of the EED**

Increased **rate of transformation** of energy audits into concrete measure implementation

Number of **companies** benefitting from direct support

Number of **energy audits** carried out within the project

Number of **company staff** with improved skills/knowledge

Number of **energy auditors / other stakeholders** with improved skills / knowledge

**Investments** in sustainable energy triggered by the project (cumulative, in million Euro)

**Primary energy savings** triggered by the project (in GWh/year)

**Renewable energy generation** triggered by the project (in GWh/year)



# H2020-EE Related Projects 1/2

EE-16-2014 (CSA)	
ENERWATER	Universidade de Santiago de Compostela – <b>Aim:</b> To develop an innovative methodology for assessing, labelling and improving the energy performance of Wastewater Treatment Plants. <a href="http://www.enerwater.eu/">www.enerwater.eu/</a>
STEAM-UP	INDUSTRIAL ENERGY EXPERTS BV – <b>Aim:</b> To assess the substantial and easy to reach energy-saving potential of steam systems in heavy industries. <a href="http://www.steam-up.eu/">www.steam-up.eu/</a>
EE-16-2015 (CSA)	
EE-METAL	Asociación De La Industria Navarra – <b>Aim:</b> To increase energy efficiency and savings in SMEs of Metal and Metalworking industry. <a href="http://www.ee-metal.com/">www.ee-metal.com/</a>
WaterWatt	DECHEMA – <b>Aim:</b> To improve energy efficiency in industrial water circuits using gamification. <a href="http://www.waterwatt.eu/">www.waterwatt.eu/</a>
SCOoPE	Cooperativas Agro-Alimentarias De Espana – <b>Aim:</b> To reduce energy consumption in the crop drying, meat & poultry, dairy, fruit & vegetables transformation sectors. <a href="http://www.scoope.eu/">www.scoope.eu/</a>
EnergWater	The Technological Institute of Castilla y León – <b>Aim:</b> To provide support to manufacturing industries by enabling energy efficient water processing. <a href="http://www.energywater-project.eu/">www.energywater-project.eu/</a>
EE-15-2017 (CSA)	
INDUCE	Fundación CIRCE – <b>Aim:</b> To increase the energy efficiency through behavioural and organizational change models targeting the food and beverage sector. <a href="https://www.induce2020.eu/">https://www.induce2020.eu/</a>
M-Benefits	Fraunhofer Institute – <b>Aim:</b> To include the Multiple Benefits of energy efficiency in investment decisions of companies. <a href="http://www.m-benefits.eu">www.m-benefits.eu</a>
EUREMnext	Nuremberg Chamber of Commerce and Industry – <b>Aim:</b> To increase the quality of energy audit results through training programs. <a href="http://www.eurem-next.eu">www.eurem-next.eu</a>
IMPAWATT	PLANAIR SA – <b>Aim:</b> To develop staff trainings and capacity building programmes to enhance corporate policy towards energy efficiency, energy culture and sustainable supply-chain initiatives. <a href="http://www.impawatt.com">www.impawatt.com</a>



# H2020-EE Related Projects 2/2

## EE-08-2018 (CSA)

<b>SPEEDIER</b>	<b>Cork University</b> – <b>Aim:</b> To foster the market uptake of EE solutions by providing a self-financing outsourced energy management service to SMEs. <a href="http://www.speedierproject.eu">www.speedierproject.eu</a>
<b>SMEmpower Efficiency</b>	<b>University of Thessaloniki</b> – <b>Aim:</b> To develop a certified “education and training programme” for SMEs operating in the manufacturing sector. <a href="https://smempower.com">https://smempower.com</a>
<b>E2DRIVER</b>	<b>Fundación CIRCE</b> – <b>Aim:</b> To develop a collaborative training platform for the SMEs operating throughout the whole automotive supply chain. <a href="http://e2driver.eu/">http://e2driver.eu/</a>
<b>ICCEE</b>	<b>University of Brescia</b> – <b>Aim:</b> To facilitate SMEs in the cold chains of the food and beverage sector to implement EE measures. <a href="https://iccee.eu/">https://iccee.eu/</a>
<b>INNOVEAS</b>	<b>I.I.P.L.E.</b> – <b>Aim:</b> To address the major non-technical barriers hampering SMEs from undergoing energy audit (focusing on the SMEs size). <a href="http://www.innoveas.eu">www.innoveas.eu</a>

## EE-08-2019 (CSA)

<b>LEAP4SME</b>	<b>ENEA</b> – <b>Aim:</b> To support Member States to develop audit supporting schemes for SMEs. <a href="#">Not yet available</a>
<b>GEAR-at-SME</b>	<b>TNO</b> – <b>Aim:</b> To bridge the gap between demand and supply of Energy Efficiency (EE) solutions among SMEs through the development of a local collective approach. <a href="#">Not yet available</a>
<b>DEESME</b>	<b>IEECP</b> – <b>Aim:</b> To support directly 10 National Authorities (NA) to encourage companies to implement energy audits and EMSs (e.g. ISO 50001) <a href="#">Not yet available</a>





# Useful links

- [Technical assistance on assessing the effectiveness of the implementation of the definition of small and medium-sized enterprises for the purposes of Article 8\(4\) of the Energy Efficiency Directive](#), ENER, 2021
- [Assessment and Communication of Relevant EU-funded Projects Supporting the Market Uptake of Energy Efficiency Measures in Industry and Services](#), CINEA, 2021
- [Going green: Who is investing in energy efficiency, and why it matters](#), EIB, 2020
- [How energy audits promote SMEs' energy efficiency investment](#), EIB, 2019



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# Thank you

