

ODYSSEE-MURE

Analysis of the Energy Efficiency Directive

From an ODYSSEE-MURE perspective

Mara Oprea and Jean-Sébastien Broc, IEECP

ODYSSEE-MURE meeting in Chişinău | 6 November 2025



Co-funded by the European Union under project ID 101215674. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or CINEA. Neither the European Union nor the granting authority can be held responsible for them.

Main types of changes / new provisions

Higher ambition

- Higher targets (Art.4 & Art.8)
- New target for **public sector** (Art.5)

New focus on...

- **Data centres** (Art.12)
- **Partnerships** for energy efficiency, at EU level (Art.23)

Stronger focus on...

- **EE1st** (Art.3, Art.25, Art.27)
- **Public sector** (Art.5-7)
- **Energy poverty**, empowering consumers and addressing adverse effects (Art.24, Art.8(3), Art.21)

Updating

- **EEOS & Alternative measures** (Art.8-10 + Annex V)
- **Energy management & audit** (Art.11)
- **Information** (Art.22)
- Efficient **district heating and cooling system** (Art.26)
- Efficiency in **electricity and gas supply** (Art.27)
- And more (Art.28-31)

Complementing

- **Local heating & cooling plans** (Art.25)

From an ODYSSEE perspective (1- Art.4 EED)

- Changes in the **EED definition of Final Energy Consumption**
→ new Eurostat indicator / time series about FEC target
- **2030 EU-level target now binding**
- **2030 national targets** revised in the final updated NECPs, now always including a target on FEC and PEC + distribution per end-use sector (+ Annex I about the calculation of the Art.4 target → benchmark target that cannot be exceeded by more than 2.5%, cf. Art.4(4))
- Long list of factors to consider when setting the target (Art.4(3) + Annex I)

- Art.4(6): reporting in the NECPR → EC may require “additional measures” (at national level)

Possible links with T2.2 and T2.3 (about ODYSSEE updates)
+ with T2.5 & T2.7 about new features / further developments

Possible links with T2.4 (short-term projections) to anticipate / explain trends

From an ODYSSEE perspective (1- Art.4 EED)

Higher ambition in the umbrella EE targets (at EU and national levels) + rapid changes in trends in recent years (cf. surge in energy prices, short-term behavioural/sufficiency measures)

Cf. T2.5 & T2.7
about new
features /
further
developments

→ Useful to better distinguish in energy efficiency trends,
between what is linked to the technical characteristics and
what is linked to the behavioural aspects

(and likewise, between effects due to energy prices, and effects
due to sufficiency measures)

From an ODYSSEE perspective (2- new focus)

- **ICT / Data centres:**

- Art.4(2): “Member States shall also indicate projections for energy consumption in ICT”
- Art.12 → new data available on data centres (cf. [European database](#) in place since this year)

- **Public sector:**

- Art.5: Monitoring of energy consumption of public bodies, cf. 2021 baseline, and then progress in NECPR (but exact scope might differ from one country to the other?)
- Art.6(5): Inventory/monitoring of the stock of public buildings (cf. transposition by 11 Oct. 2025, and then reporting in NECPR)

- **Energy poverty:**

- Art.24(4): “development or improvement of relevant indicators and data sets, pertinent to the issue of energy poverty”
- + link with definition of vulnerable customers in Social Climate Plans

Links with
T2.5 (new
ODYSSEE
features) &
T2.7 (further
developments
of ODYSSEE
tool

From a MURE perspective (1-More measures)

- Many changes / updates in the EED recast → likely increase in the number of revisions in national policy measures and/or new policy measures
- Building on the previous work about measures with a focus on **energy poverty** → now more systematic ‘energy poverty’ labelling of measures reported to Art.8 EED + also
- Stronger focus on measures for the **public sector**
 - + covering measures to support regional/local authorities (or sectoral measures/branches: e.g. health sector)
- Stronger focus on **sufficiency measures** (cf. higher ambition on reducing final energy consumption)

Link to T3.2 (MURE updates)

Link to T3.3 (MURE expansion)

From a MURE perspective (2-Art.4 EED)

Increasing importance to be able to:

- Estimate earlier impacts from policy measures
- Identify gap-filling measures (= anticipate the need and options for “additional measures” that might be required in case of “insufficiency progress”, cf. Art.4(6))

Link to T3.4 (short-term projections / estimates)

Link to T3.5 (Further development of the policy tools)

From a MURE perspective (update examples)

Examples of expected developments in national policy measures (or their monitoring/reporting):

- National strategy (or alike) for reducing energy consumption in the public sector
- National measures to support the renovation of regional/local authorities' buildings (or of given sub-sectors, such as health sector)
- Reinforced / new energy efficiency measures to tackle energy poverty (either dedicated measures, or stronger specific provisions in general measures)
- Strategy / measures for energy efficiency in data centres
- Measures to support regional/local authorities for local heating & cooling plans
- More transport measures reported to Article 8 EED
- Revisions in measures for energy management / audits to focus on energy-intensive companies (cf. Art.11 EED)

Coming next in WP4 (in-depth analyses)

T4.1 Complementing the existing scoreboard	<ul style="list-style-type: none">✓ Contribution to Art. 4 EED/target achievement✓ New scoreboard on energy poverty
T.4.2 Linking top-down and bottom-up analyses	<ul style="list-style-type: none">✓ Assessing contribution/impact towards the 2030 EED targets✓ Identifying gap-filling measures
T.4.3 Analysing the role of behavior and energy sufficiency policies in target achievement	Literature review + exploring new developments in ODYSSEE-MURE → better understanding trends and policy impacts (related to Art.4 EED)
T.4.4 Analysis on selected sub-sectors, technologies and target groups	<ul style="list-style-type: none">✓ Public sector✓ Heat pumps, EVs, data centres✓ Vulnerable customers and energy poverty
T4.5 about multiple benefits	Link with the implementation of EE1st (Art.3 EED)

Open questions / discussions

- Are there topics / issues that we missed?
- Among the topics/issues identified, what should be the top priorities (for further developments / analyses in ODYSSEE and/or MURE)?

ODYSSEE-MURE

Thank you!

Author, organisation

Email address

Partners:

