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Implementation of the EU4Energy project. “Governance” component

32th EECG meeting

Tbilisi and Webex, 22 June, 2023

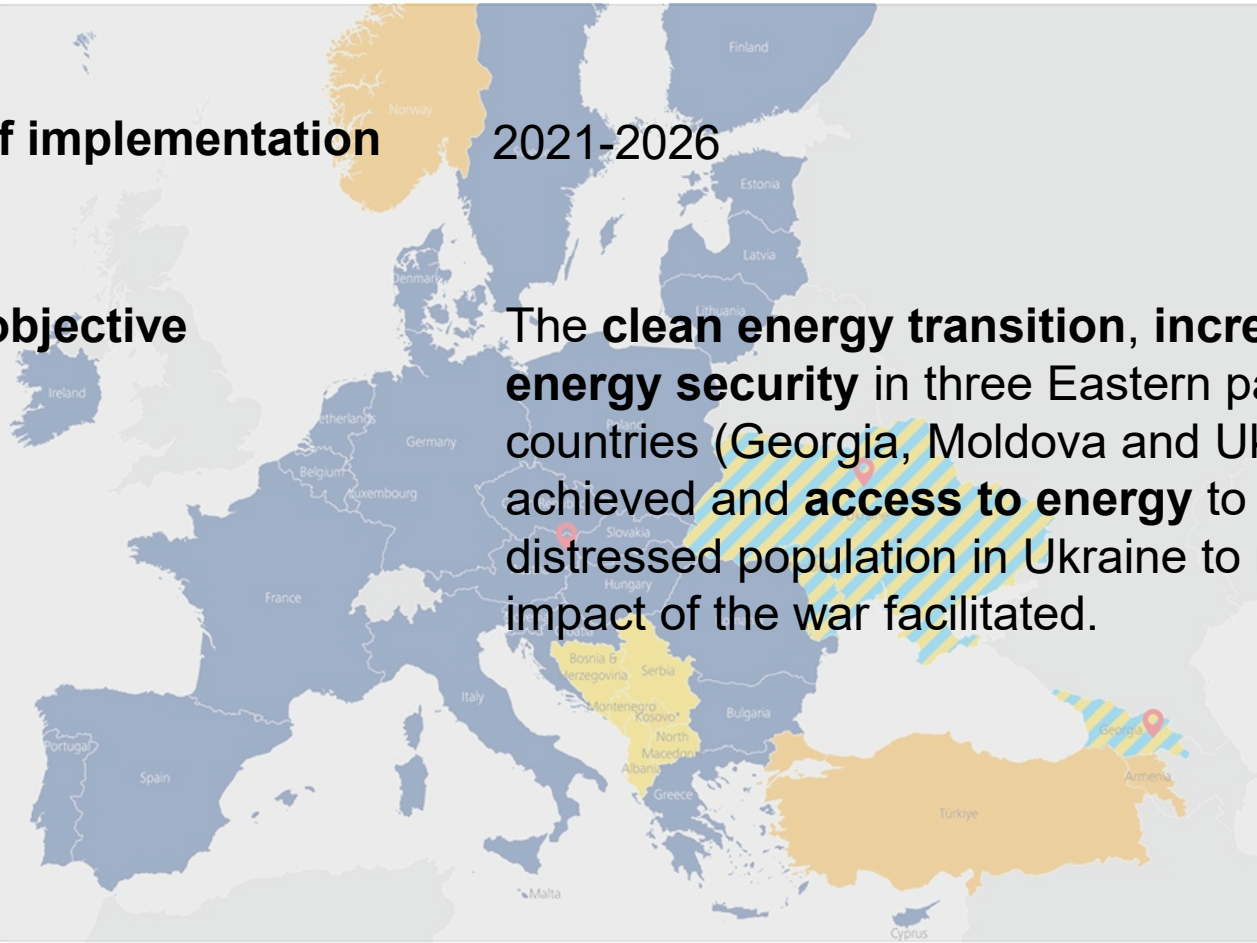
EU4Energy Project, Phase II

Period of implementation


2021-2026

Overall objective

The **clean energy transition**, increase **energy security** in three Eastern partner countries (Georgia, Moldova and Ukraine) is achieved and **access to energy** to the distressed population in Ukraine to mitigate the impact of the war facilitated.



EU4Energy Work Program for the year 2023


 გაერთიანებული სახელმწიფოების ენერჯიტი
 Energy Community

EU4ENERGY GOVERNANCE PHASE II

THIRD YEAR WORK PROGRAMME FOR GEORGIA (JANUARY – DECEMBER 2023)


Area 2 Electricity Market

- Activity GE 2.2 "Support Georgia in the adjustment of the settlement process on the balancing market"
- Activity GE B 1 "Support Georgia in preparation for the joint capacity allocation and facilitation of GSE to join the SEECAO [for becoming GSE the new Service user of SEECAO]"

Area 6 Workshops/events/capacity building exercise

- Activity GE 6 / GE F 1 "Organisation of workshops/events/capacity building exercises relevant to the Work Programme for ministries, regulators, TSOs and other beneficiaries aiming to increase of institutional capacities in Georgia"

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EU4ENERGY GOVERNANCE PHASE II

THIRD YEAR WORK PROGRAMME FOR UKRAINE (JANUARY – DECEMBER 2023)

Area 2 Electricity Market

- Activity UA 2.3 "Supporting NEURC in finalising the derogation criteria in line with the Connection Codes applicable in Ukraine"
- Activity UA 2.4 "Supporting NEURC in improving its performance, through reviewing and improving the structure of the NEURC Annual Report (with a focus on data clarification and interpretation) in line with the best EU practices"
- Activity UA B 1 "Supporting Ukraine with post-synchronisation processes related to ITC mechanism, capacity allocation, NEMO designation"

Area G Ukraine Support Activities: Assistance in liaising with companies, organisations and countries, to identify additional donors of goods

- Activity UA G 1 "Support in identification of additional donors of goods for Ukrainian energy infrastructure through meetings with companies, organisations and countries"

Area H Ukraine Support Activities: Support the delivery of donated or procured goods through logistics assistance

- Activity UA H 1 "Support in tracking the donated or procured goods through logistics assistance"

Area I Ukraine Energy Support Fund Related Activities

- Activity UA I 1 "Carrying out the actions for supporting the management of Energy Community Secretariat's established Fiduciary account for Ukraine Energy Support Fund"

Area 6 Workshops/events/capacity building exercise

- Activity UA 6 / UA F 1 "Organisation of workshops/events/capacity building exercises relevant to the Work Programme for ministries, regulators, TSOs and other beneficiaries aiming to increase of institutional capacities in Ukraine"

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EU4ENERGY GOVERNANCE PHASE II

THIRD YEAR WORK PROGRAMME FOR MOLDOVA (JANUARY – DECEMBER 2023)

Area 1 Renewable Energy

- Activity MD A 1 "Support in the transposition of the recast Renewable Energy Directive 2018/2001"

Area 2 Electricity Market

- Activity MD 2.5 "Support the Moldovan national regulatory authority in preparing the study on the national electricity market functioning in line with the Law on electricity and best EU practices"
- Activity MD B 1 "Support Moldova in improving the national legislation for ensuring the cross-border exchange and sharing"

Area 4 Energy Efficiency

- Activity MD D 1 "Support in implementation of the obligation regarding the renovation of the buildings owned by the authorities of specialized central public administration"
- Activity MD D 2 "Support in the alignment of the national energy labelling framework to the EU acquis"

Area 6 Workshops/events/capacity building exercise

- Activity MD 6 / MD F 1 "Organisation of workshops/events/capacity building exercises relevant to the Work Programme for ministries, regulators, TSOs and other beneficiaries aiming to increase of institutional capacities in Moldova"

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New activity to WP 2023
"Assistance in developing recommendations on energy saving means in accordance with Law of Georgia on Energy and Water Supply"



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***EU4Energy activities in
the Republic of Moldova***

ECS support in 2023



EU4ENERGY GOVERNANCE PHASE II

THIRD YEAR WORK PROGRAMME FOR MOLDOVA
(JANUARY – DECEMBER 2023)

Area 1 Renewable Energy



Area 4 Energy Efficiency

- Activity MD D 1 “Support in implementation of the obligation regarding the renovation of the buildings owned by the authorities of specialized central public administration”
- Activity MD D 2 “Support in the alignment of the national energy labelling framework to the EU acquis”



Area 6 Workshops/events/capacity building exercise

- Activity MD 6 / MD F 1 “Organisation of workshops/events/capacity building exercises relevant to the Work Programme for ministries, regulators, TSOs and other beneficiaries aiming to increase of institutional capacities in Moldova”

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General background for the activity MD D.1

Primary framework in the field of energy efficiency



ANNEX 1.1a132b MC14-08-2015

DECISION

OF THE MINISTERIAL COUNCIL OF

D/2015/08/MC-EnC: on the Implementation of the
Parliament and of the Council of 25 October 2012
2009/125/EC and 2010/30/EU and repealing Directives

THE MINISTERIAL COUNCIL OF THE ENERGY COMMUNITY

Having regard to the Treaty establishing the Energy Community
Articles 2(d), 24, 25, 79 and 81 thereof,

Having regard to the proposal from the European Commission

Whereas:

1. The Ministerial Council of the Energy Community (the Council) of 2009/05/MC-EnC incorporating Directive 2002/91/EC on the energy performance of buildings, recasting and repealing Directive 92/50/EEC on the information of the consumption of energy of buildings (Directive 92/50/EEC), as well as eight Community acquis.
2. The Ministerial Council of the Energy Community (the Council) of 2010/02/MC-EnC amending Directive 2002/91/EC on the energy performance of buildings, recasting and repealing Directive 92/50/EEC on the information of the consumption of energy of buildings (Directive 92/50/EEC), as well as eight Community acquis.
3. The Directive 2012/27/EU of the European Parliament and of the Council of 25 October 2012 on energy efficiency, amending Directive 2002/91/EC and repealing Directives 2004/8/EC and 2006/32/EC of the European Parliament and of the Council on the energy performance of buildings, recasting and repealing Directive 92/50/EEC on the information of the consumption of energy of buildings (Directive 92/50/EEC), as well as eight Community acquis.
4. The Ministerial Council of the Energy Community (the Council) of 2010/02/MC-EnC amending Directive 2002/91/EC on the energy performance of buildings, recasting and repealing Directive 92/50/EEC on the information of the consumption of energy of buildings (Directive 92/50/EEC), as well as eight Community acquis.
5. The Energy Community should adapt its acquis in law, taking into account its own institutional framework and that of its Contracting Parties.



DECISION OF THE MINISTERIAL COUNCIL OF THE ENERGY COMMUNITY

D/2021/14/MC-EnC: amending Article 20 and Annex I to the Treaty establishing the Energy Community and incorporating Directive (EU) 2018/2001, Directive (EU) 2018/2002, Regulation (EU) 2020/1044, Delegated Regulation (EU) 2020/1044, and Implementing Regulation (EU) 2020/1208 in the Energy Community acquis communautaire

THE MINISTERIAL COUNCIL OF THE ENERGY COMMUNITY,

Having regard to the Treaty establishing the Energy Community (the Treaty), and in particular Articles 24, 25, 79 and Article 100(i) and (j) thereof,

Having regard to the proposal from the European Commission,

Whereas:

(1) The Contracting Parties' commitments under Article 11 should be aligned with the evolution of European Union law, while taking into account the Energy Community's own institutional framework and the specific situation of each of its Contracting Parties.

(2) The European Union since 2018 has been overhauling its climate and energy policy and legal framework to support the transformation towards clean energy and the reduction of greenhouse gas emissions.

(3) The implementation of Directive (EU) 2018/2001 of the European Parliament and of the Council of 11 December 2018 on the promotion of the use of energy from renewable sources, Directive (EU) 2018/2002 of the European Parliament and of the Council of 11 December 2018 amending Directive 2012/27/EU on energy efficiency, Regulation (EU) 2018/1999 of the European Parliament and of the Council of 11 December 2018 on the Governance of the Energy Union and Climate Action, amending Regulations (EC) No 659/2009 and (EC) No 715/2009 of the European Parliament and of the Council, Directives 94/22/EC, 98/70/EC, 2009/31/EC, 2009/73/EC, 2010/31/EU, 2012/27/EU and 2013/30/EU of the European Parliament and of the Council, Council Directives 2008/119/EC and (EU) 2015/952 and repealing Regulation (EU) No 525/2013 of the European Parliament and of the Council, Commission Delegated Regulation (EU) 2020/1044 of 5 May 2020 supplementing Regulation (EU) 2018/1999 of the European Parliament and of the Council with regard to values for global warming potentials and the inventory guidelines and with regard to the Union inventory system and repealing Commission Delegated Regulation (EU) No 692/2014, and Commission Implementing Regulation (EU) 2020/1208 of 7 August 2020 on structure, format, submission processes and review of information reported by Member States pursuant to Regulation (EU) 2018/1999 of the European Parliament and of the Council and repealing Commission Implementing Regulation (EU) No 749/2014, contributes to the objectives of the Energy Community and will also benefit the citizens of the Contracting Parties.

(4) Some provisions of Directive (EU) 2018/2001, Directive (EU) 2018/2002 and Regulation (EU) 2018/1999 are linked to the adoption of targets for cutting greenhouse gas emissions and increasing the share of renewable energy and energy efficiency by 2030.

(5) The Permanent High Level Group, at its meeting on [date], endorsed this Decision.

HAS ADOPTED THIS DECISION:

DECISION OF THE MINISTERIAL COUNCIL OF THE ENERGY COMMUNITY D2015/08/MC-EnC on Implementation of Directive 2012/27/(EU) on energy efficiency

[Link to the EnCS webpage/ 13th Ministerial Council meeting /2015/](#)

DECISION OF THE MINISTERIAL COUNCIL OF THE ENERGY COMMUNITY D/2021/14/MC-EnC: amending Article 20 and Annex I to the Treaty establishing the Energy Community and incorporating Directive (EU) 2018/2001, **Directive (EU) 2018/2002**, Regulation (EU) 2018/1999, Delegated Regulation (EU) 2020/1044, and Implementing Regulation (EU) 2020/1208 in the Energy Community acquis communautaire

[Link to the EnCS webpage/ 19th Ministerial Council meeting /2021/](#)

General background for the activity MD D.1

Coverage of TA needs related to the EE Law implementation

1/2

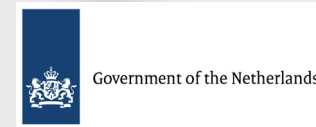


I. **Capacity building** of the public authority responsible for implementing of EE & RES policy

II. The **exemplary role of the buildings** owned by public bodies

III. **Compulsory energy audits for large enterprises**

IV. **Energy efficiency obligation scheme**



General background for the activity MD D.1

Coverage of TA needs related to the EE Law implementation

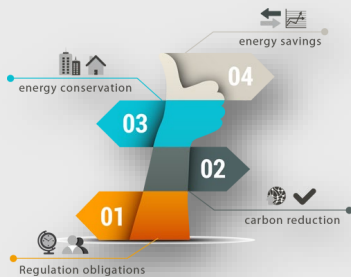
V. Capacity building of the local energy managers

VI. Strengthening the local energy services market

VII. Energy efficiency in public procurements

VIII. National Information System in the field of Energy Efficiency

IX. Public awareness





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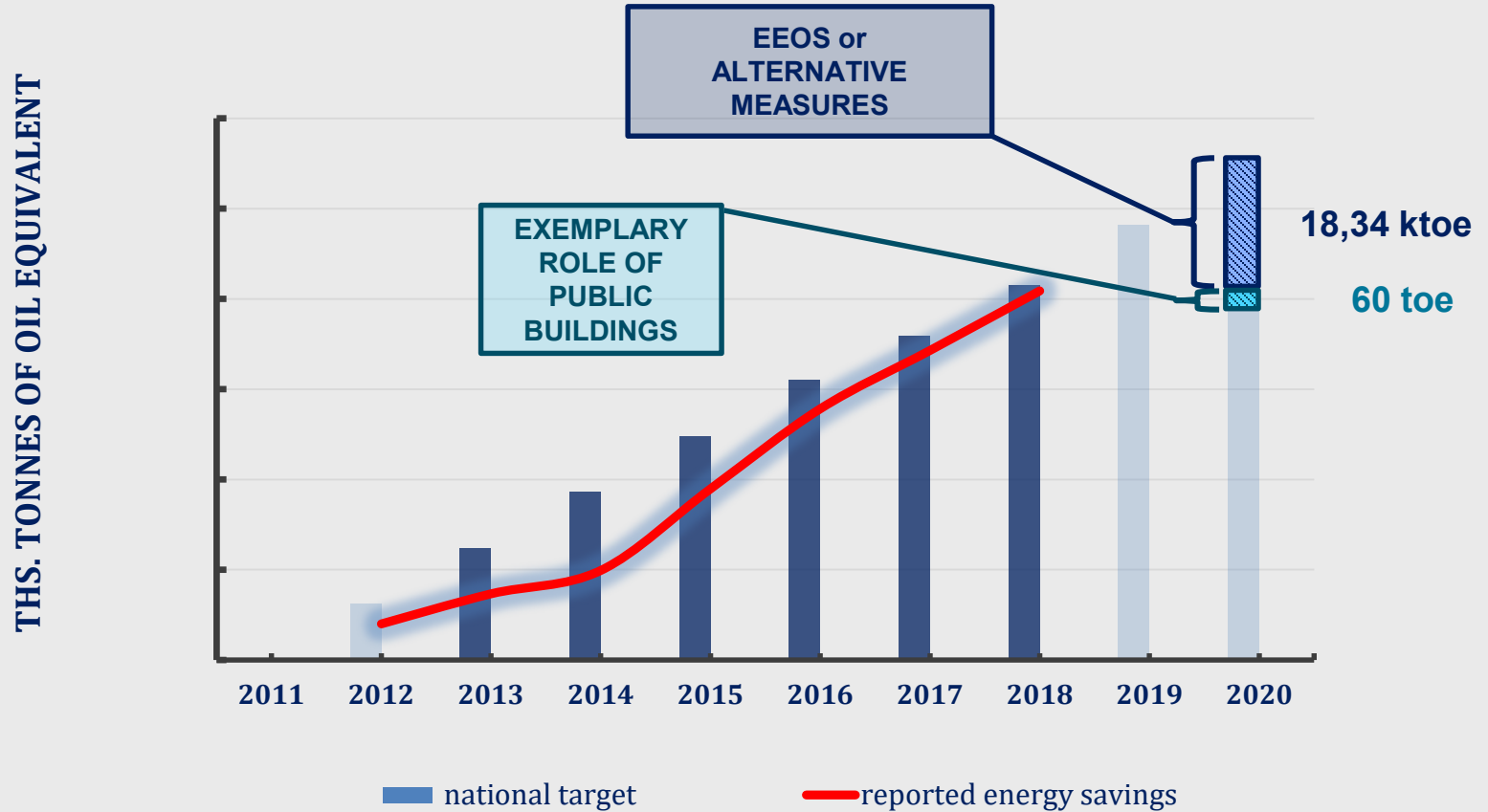


Presentation of the Secretariat's support

*MD D.1. Support in implementation of the
obligation regarding the renovation of
the buildings owned by the authorities of
specialized central public administration*

Exemplary role of public buildings

Contribution to the overall national target



Exemplary role of public buildings

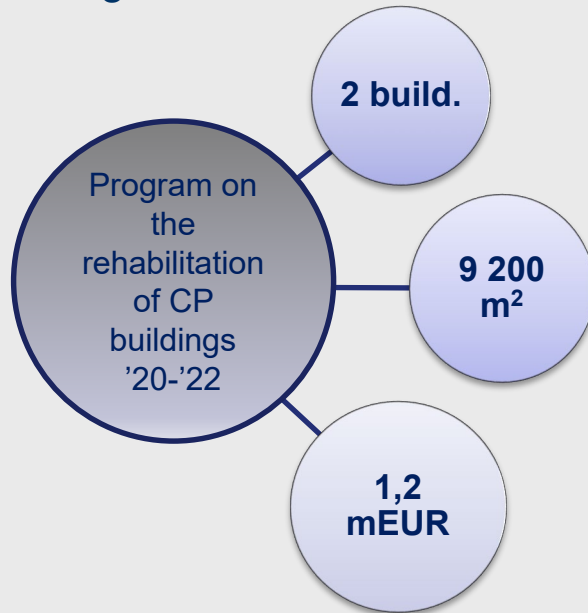
1st attempt

1/2

GD No. 372/ 2020 Program for the renovation of the central government owned and occupied buildings 2020-2022

- Total number of identified buildings
- Total floor area
- 1% obligation /2019-2020/

215 units
426.056 m²
8.521 m²



Exemplary role of public buildings

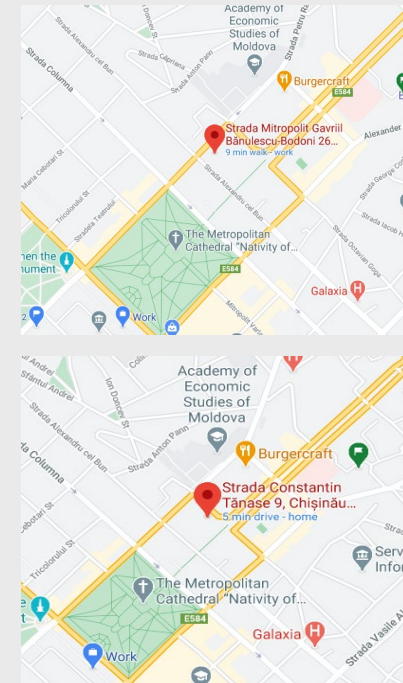
1st attempt

2/2

Two buildings were selected:

- Building no. 1 - Chisinau, str. Mitropolit Gavriil Bănulescu-Bodoni, 26
- Building no. 2 - Chisinau, str. Constantin Tănase, 9.

	Building no. 1	Building no.2
Area [m ²]	2306	7780
Energy performance before the Program [kWh/m ²]	194	180
Energy performance after the Program [kWh/m ²]	123	111
Energy savings [kWh/y]	162 172	532 694
Investments [EUR]	610 097	1 037 445
Implementation status	IMPLEMENTED	SUSPENDED



Step 1 – quick revision of the buildings' inventory

NO	EVALUATION CRITERIA	COMMENT	CRITERION MAGNITUDE
1	Specific energy consumption /energy delivered/	kWh/m2	Up to +30 points
2	Total energy consumption /primary energy consumption/	kWh	Up to +10 p.
3	Not subject to reconstruction in the last 5 years /last reconstruction no later than 2013/	If YES +10 p. If NO -10 p.	+10 p. or -10 p.
4	The objective is up to date the beneficiary of other funding from the state budget (preferably) for energy efficiency measures and the valorization of renewable energy	If YES +10 p. If NOT 0 p. (The respective criterion seeks to identify buildings that are financed from the state budget, directly or through other institutions funds, and that could reduce the investment effort required for the implementation of the Program).	+10 p. or 0 p.
5	Occupancy rate: Utilization – 100% Lease/Occupy - no more than 21%	At least 79% occupied by APC institutions If YES +20 p. If NO - 50 p.	+20 p. or -50 p.
6	Area greater than 250 m2	If YES +10 p. If NO -0 p.	+10 p. or 0 p.
7	Possible changes in property ownership rights	If YES 0 p. If NOT -100 p.	-100 p.
8	Open to visitors	If YES +10 p. If NOT -10 p. Unclear aspects – 0 p.	+10 p. or 0 p. or -10 p.,
TOTAL			100 points

 Set of 8 criteria used for the identification of buildings include in the Program for 202-2022 period

AIM/
OBJECTIVE –

- to update data on public buildings that are falling under the Program's main criterion (inventory)
- to update the buildings' selection criteria

TIMEFRAME –

June-July 2023

OUTPUT –

- Updated inventory and building's selection criteria

COOPERATION/
SYNERGY –

- EEA's available data/
revised inventory

Step 2 – building's selection and Program's drafting

AIM/ OBJECTIVE –	<ul style="list-style-type: none">• to select the buildings (based on the approved set of criteria)• to assess the technical and economic feasibility of the intervention• to draft the initial set of documents
TIMEFRAME –	August
OUTPUT –	Draft set of documents (Government Decision, Informative note, program)
COOPERATION/ SYNERGY –	<ul style="list-style-type: none">• EEA's available data/ revised inventory• German dena (technical and economic analysis)

Note for consideration !!!

Article 5

Exemplary role of public bodies' buildings

1. Without prejudice to Article 7 of Directive 2010/31/EU, as adapted and adopted by Ministerial Council Decision 2010/02/MC-EnC, each Contracting Party shall ensure that, as from 1 December 2017, 1%, and from 1 January 2024 on, 3% of the total floor area of heated and/or cooled buildings owned and occupied by its central government is renovated each year to meet at least the minimum energy performance requirements that it has set in application of Article 4 of Directive 2010/31/EU, as adapted and adopted by Ministerial Council Decision 2010/02/MC-EnC.¹²

Obligation	Stock	Yearly	2024-2030	"gap"
1%	426.056 m ²	4.260 m ²	29.820 m ²	
3%		12.780 m ²	89.460 m ²	+ 18.994 m ²

Step 3 – draft Program’s public consultation

AIM/
OBJECTIVE –

- to run a transparent interservice consultation with all relevant stakeholders

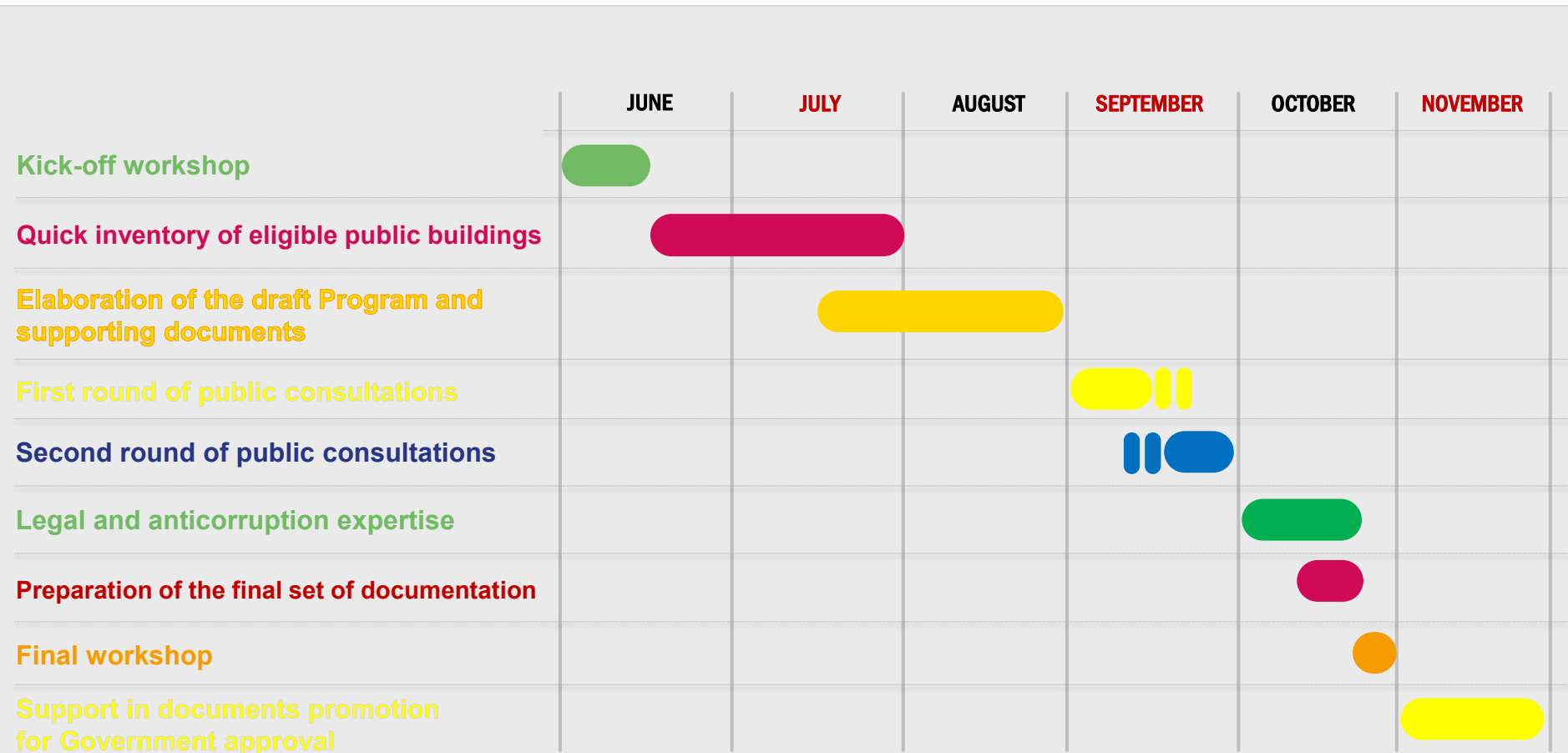
TIMEFRAME –

September - October

OUTPUT –

Consulted set of documents (Government Decision, Informative note, program)

The preliminary timeline





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Presentation of the Secretariat's support

*MD D.2. Support in the alignment of
the national energy labelling
framework to the EU acquis*

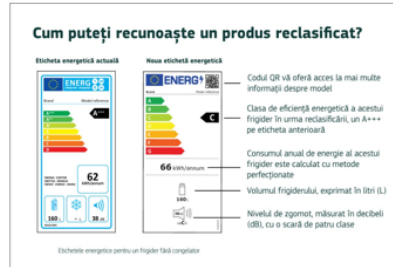
Moldovans & EU citizens VS energy labels

Clasă energetică / etichetă energetică



Din totalul gospodăriilor 51,4% cunoșteau despre noțiunea *clasă energetică* și care sunt cele mai importante caracteristici ale produsului respectiv (electrocasnice)

45,1% din gospodării se ghidează de *etichetele energetice* la achiziționarea unui produs cu impact energetic



Biroul Național de Statistică al Republicii Moldova

22

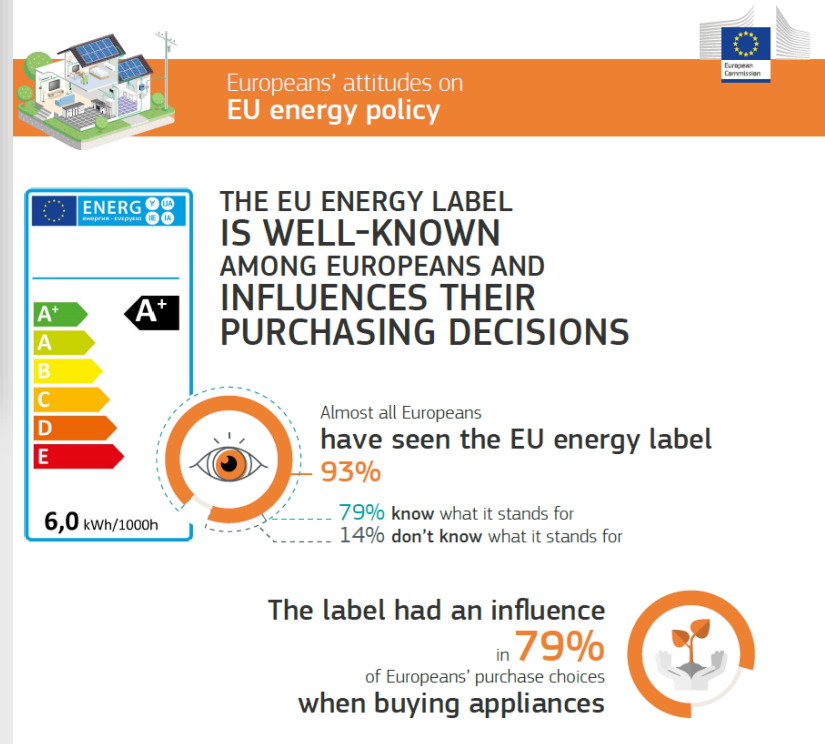


Source: National Bureau of Statistics, 2022, Publication "Energy consumption in households"

Source: European Commission, 2019, Special Eurobarometer 492



The EU legislation for energy labels and ecodesign has been estimated to bring energy savings of approximately 230 million tonnes of oil equivalent (Mtoe) by 2030. For consumers, this means an average saving of up to €285 per year on their household energy bills.



MC decision on the energy labelling regulations



DECISION OF THE MINISTERIAL COUNCIL OF THE ENERGY COMMUNITY

No 2022/04/MC-EnC on adapting and incorporating certain Delegated Regulations on energy-related products, introducing rescaled labels in the Energy Community acquis communautaire and repealing Delegated Regulations (EU) 1059/2010, (EU) 1060/2010, (EU) 1061/2010, (EU) 1062/2010, (EU) 874/2012, and Directive 96/60/EC

THE MINISTERIAL COUNCIL OF THE ENERGY COMMUNITY,

Having regard to the Treaty establishing the Energy Community ('the Treaty'), and in particular Articles 24, 25, 79 and 81 thereof,

Having regard to Regulation (EU) 2017/1369, as adapted and adopted by Ministerial Council Decision 2018/03/MC-EnC, and in particular, Article 16 thereof,

Having regard to the proposal from the European Commission,

Whereas on 29 November 2018, the Ministerial Council adopted Decision No 2018/03/MC-EnC adapting and implementing Regulation (EU) 2017/1369 of the European Parliament and of the Council setting a framework for energy labelling, and certain Delegated Regulations on energy-related products;

- (2) According to Article 3 of the Decision No 2018/03/MC-EnC, the European Commission may propose to the Ministerial Council the incorporation of relevant delegated acts supplementing Regulation (EU) 2017/1369 in the Energy Community;
- (3) Commission Regulations (EU) 1059/2010, (EU) 1060/2010, (EU) 1061/2010, (EU) 1062/2010, (EU) 874/2012, and Directive 96/60/EC have been incorporated in the Energy Community;
- (4) In 2019, the European Commission adopted five delegated acts in order to supplement Regulation (EU) 2017/1369 by introducing A to G rescaled labels and updated requirements for electronic displays¹, household washing machines and household washer-dryers², light sources³, refrigerating appliances⁴ and household dishwashers⁵.

¹ Commission Delegated Regulation (EU) 2019/2013 of 11 March 2019 supplementing Regulation (EU) 2017/1369 of the European Parliament and of the Council with regard to energy labelling of electronic display, OJL 315, 5.12.2019, p. 1-28

² Commission Delegated Regulation (EU) 2019/2014 of 11 March 2019 supplementing Regulation (EU) 2017/1369 of the European Parliament and of the Council with regard to energy labelling of household washing machines and household washer-dryers, OJL 315, 5.12.2019, p. 29-67

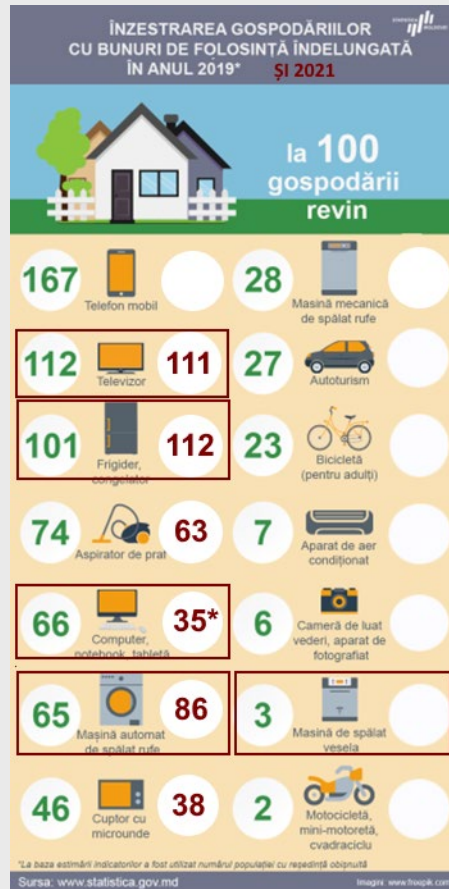
³ Commission Delegated Regulation (EU) 2019/2015 of 11 March 2019 supplementing Regulation (EU) 2017/1369 of the European Parliament and of the Council with regard to energy labelling of light source, OJL 315, 5.12.2019, p. 68-101

⁴ Commission Delegated Regulation (EU) 2019/2016 of 11 March 2019 supplementing Regulation (EU) 2017/1369 of the European Parliament and of the Council with regard to energy labelling of refrigerating appliances; OJL 315, 5.12.2019, p. 102-133

**DECISION OF THE MINISTERIAL COUNCIL OF
THE ENERGY COMMUNITY No 2022/04/MC-EnC**
on adapting and incorporating certain Delegated
Regulations on energy-related products, introducing
rescaled labels in the Energy Community acquis
communautaire and repealing Delegated
Regulations (EU) 1059/2010, (EU) 1060/2010,
(EU) 1061/2010, (EU) 1062/2010, (EU) 874/2012,
and Directive 96/60/EC

[Link to the EnCS webpage/ 20th Ministerial Council meeting](#)

Group of products targeted by EU4Energy intervention⁽¹⁾



The Energy Community Secretariat has supported the Ministry of Energy, under the EU4Energy Phase II, WP 2022, with the elaboration of the draft rulebooks transposing the following energy labelling regulations:

Regulation (EU) No 2019/2014 – washers and washer-dryers
Regulation (EU) No 2019/2016 – refrigerating appliances

Regulation (EU) No 2019/2017 – dishwashers
Regulation (EU) No 2019/2013 – electronic displays

Regulation (EU) No 2019/2015 – light sources

Source: National Bureau of Statistics, 2022, Publication "Energy consumption in households"

Draft calculations and “feasibility” assessment

Assessment of electricity savings potential considering the actual endowment of Moldovan households with certain equipment

nr. gospodării x100 gosp.	1,131,827						ACTUAL savings		
	actual	TOTAL	M.U.	"A" perf.	"G" perf.	hours/ cycles	REAL cons.	GREEN cons	SAVINGS
TV	111	1,256,328	[W]	0.02	0.08	1274	115,560,564	32,011,237	83,549,328
frigider cu congelator	98	1,109,190	[kWh/yr*]	66	200	1	202,515,994	73,206,570	129,309,424
mașină de spălat	86	973,371	[kWh/yr]	51	110	1	99,605,077	49,641,932	49,963,145
mașină de uscat rufe	1	11,318	[kWh/yr]	350	600	1	6,423,118	3,961,395	2,461,724
mașină de spălat vase	3	33,955	[kWh/yr]	80	120	1	3,898,012	2,716,385	1,181,627
TOTAL, [kWh]							428,002,766	161,537,519	266,465,247
TOTAL, [ktep]			*kWh/100 cycles				37	14	23

MD final energy consumption in 2021 -

2.924 ktoe

MD electricity consumption in 2021 -

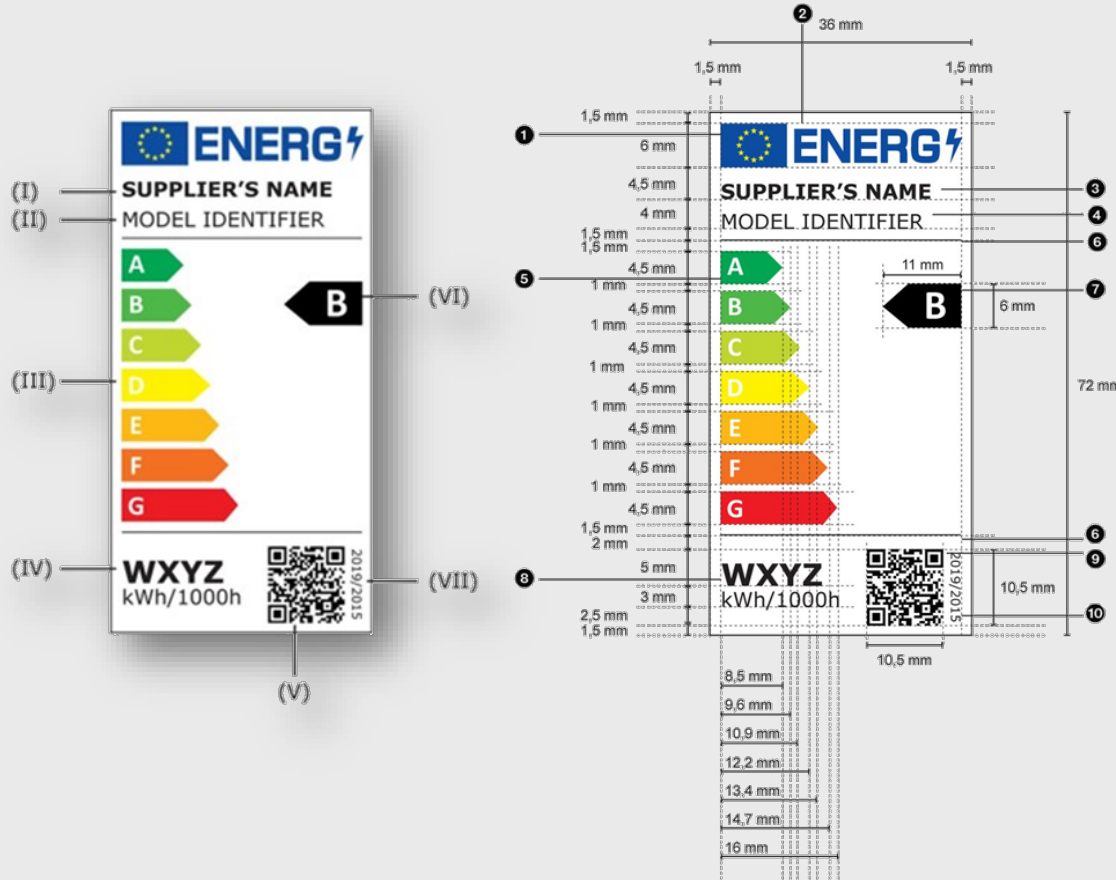
355 ktoe

Energy savings potential -

6.47%

Expected challenges

Labels generated and provided by MD LED manufacturers



Sample.
MD LED manufacturer



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*Thank you
for your attention!*

<https://www.energy-community.org/regionalinitiatives/EU4EnergyII.html>

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