

Matjaž Česen
dr. Fouad Al Mansour

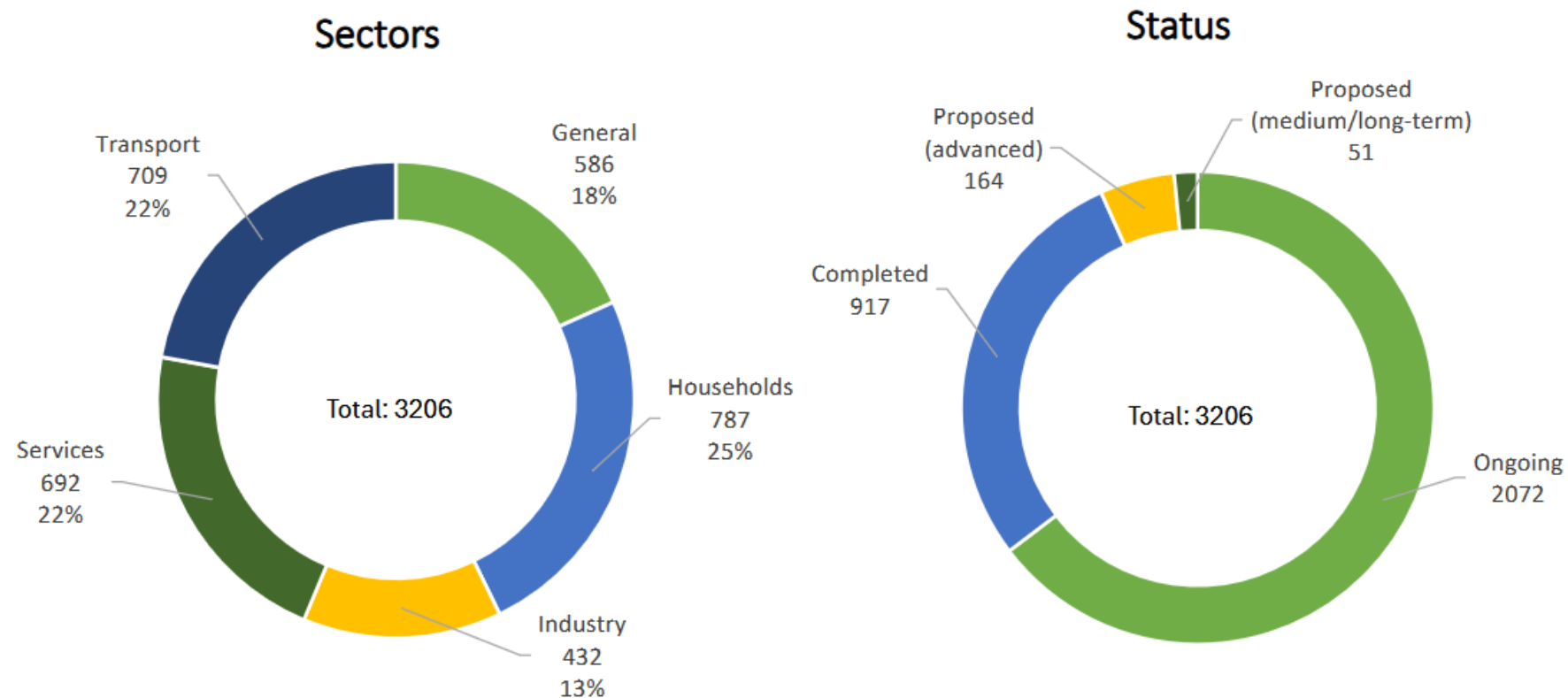
Kako uspešna je Slovenija pri izboljšanju energetske učinkovitosti?

Predstavitev rezultatov projekta
ODYSSEE-MURE Fit-4-55

Reaktorski center IJS, Ljubljana
30. januar 2025

Baza MURE

- MURE: "Mesures d'Utilisation Rationnelle de l'Énergie" – baza ukrepov za učinkovito rabo energije
- Čisti URE ukrepi, OVE ukrepi (za števce, npr PV), SPTE
- EU27 + Švica
+ Norveška
+ države EnC



Glavne značilnosti MURE

- **Konsistenten pristop k zbiranju informacij o ukrepih**
 - Podatke o ukrepih vnašajo nacionalne ekipe (dobro poznavanje situacije)
 - Predloge za zbiranje informacij: strukturirane informacije o ukrepih + podrobni opisi
 - Podrobna navodila: katere ukrepe vključiti in kako
- **Iskanje po bazi preko označb ali prostega teksta + orodja za analizo**
- Osvežitev enkrat letno
- **Kontrola kakovosti vnosa** (Fraunhofer ISI/ICEEP), delno avtomatska kontrola
- Kvantitativna (~30 % ukrepov, ex-post in ex-ante) in delno kvantitativna **ocena učinka** (nizek, srednji, visok učinek)

<https://www.measures.odyssee-mure.eu/energy-efficiency-policies-database.html#/>

Primer - URE ukrepi na področju cestnega tovornega prometa

more detail

18 measures found

Export

By default only ongoing measures are selected. You can customise the search by clicking on "more options", "measure characterisation", "status".

Country ^	Sector ⇅	Title	EU ⓘ ⇅	Type ⇅	Starting Year ⇅
Austria	Transport	Transport measures of the Climate and Energy Fund	No	Others	2007
Austria	Transport	Speed Limitation Devices for Busses and Heavy Vehicles	Yes	Mandatory standards	1993
Austria	Transport	Highway Road Pricing for Heavy Vehicles and Busses (GO toll)	No	Others	1997
Czech Republic	Transport	Modernisation Fund 2021-2030 (part transport)	No	Financial	2021
Finland	Transport	CO2 emission performance standards for new heavy duty vehicles	Yes	Mandatory standards	2021
France	Transport	Low Emission Zones	No	Others	2019
France	Transport	Voluntary commitments to reduce CO2 emissions	No	Others	2008
France	Transport	Mandatory low-emission vehicles share in professional fleets	Yes	Others	2019
Germany	Transport	Developing truck charging infrastructure (LKW Tank-und Lade-und Oberleitungsinfrastruktur ausbauen)	No	Others	2020
Germany	Transport	Market introduction of energy-efficient commercial vehicles (Markteinführung von energieeffizienten Nutzfahrzeugen - APK 2020)	No	Financial	2017
Ireland	Transport	Zero-Emission Heavy-Duty Vehicle Purchase Grant	No	Financial	2021
Netherlands	Transport	National agenda on charging infrastructure EV's	No	Others, General programme	2019
Netherlands	Transport	Subsidy Scheme for the Sustainability of Inland Navigation Vessels (SRVB)	No	Financial	2021
Netherlands	Transport	Subsidy Scheme Sustainable Shipbuilding (SDS)	No	Financial	2017
Switzerland	Transport	Heavy Vehicle Fee (Schwerverkehrsabgabe / Redevance sur le trafic des poids lourds / Tassa sul traffico pesante)	No	Fiscal	2001
Switzerland	Transport	Energy Label for Tires (Reifenetikette / Etiquette pour les pneus / Etichetta per i pneumatici)	No	Mandatory information	2014
Switzerland	Transport	Mineral Oil Tax on Motor Fuels (Mineralölsteuer auf Treibstoff / Impôt sur les huiles minérales grevant les carburants / Imposta sugli oli minerali gra)	No	Fiscal	1996
United Kingdom	Transport	On-street Residential Chargepoint Scheme	No	Financial	2016

Primer – prikaz enega ukrepa

AT cestnina za težka tovorna vozila

Highway Road Pricing for Heavy Vehicles and Busses (GO toll) - Measure Detail

Measure Code :	TRA-AT4117
Country :	Austria
Title :	Highway Road Pricing for Heavy Vehicles and Busses (GO toll)
Short description :	The use of the Austrian motorways is subject to tolls. Vehicles over 3.5 tons maximum weight pay a distance-related toll. It also depends on the number of axles, the EURO-emission class and drive type.
Reference :	Bundesstraßen-Mautgesetz 2002, BGBl. I Nr. 109/2002; https://www.ris.bka.gv.at/GeltendeFassung.wxe?Abfrage=Bundesnormen&Gesetzesnummer=20002090

Status	Issuing date	Starting date	Ending date	Impact ⓘ	NECP ⓘ	Art. 7/8 EED ⓘ	EU Funding
Ongoing	1996	1997		Low	Yes	Yes	No

Types :	Others - Tolls
Actors :	Central Government
Target Audience :	Contract Hauliers Transport companies
Targeted End Use or type :	Existing vehicles
Energy poverty :	No
Energy sufficiency :	No

For all measures, i.e. both for measures with quantitative evaluations available and for measure without a quantitative evaluation available, a semi-quantitative expert judgement is given, distinguishing between three impact levels: low – medium – high. These levels are defined as follows (in each case in % of the overall electricity or final energy consumption of the respective sector; in case of fuel substitution and CHP: of primary energy consumption): – low impact: <0.1% – medium impact: 0.1 to <0.5% – high impact: ≥0.5%)

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Energy sufficiency :	No

Total annual savings :


Year:	2014	2015	2016	2017	2018	2019	2020	2030
PJ:	0.07	0.152	0.25	0.372	0.536	0.781	1.271	-
kt CO2:	-	-	-	-	-	-	-	-

Cumulative total savings for 2020 : 3.4 PJ

First year of notification : 2014

Primer – uporaba filtra

Ukrepi za doseganje prihrankov po 7/8 členu


MURE DATABASE

By default only ongoing measures are selected. You can customise the search by clicking on "more options", "measure characterisation", "status".

Country	Sector	Title	EU
Austria	Transport	<u>Highway Road Pricing for Heavy Vehicles and Busses (GO toll)</u>	No
Austria	Transport	Promotion of Active Mobility and Mobility Management (by klimaaktiv mobil)	No
Czech Republic	Transport	Promoting the ecodriving of cars	No
Czech Republic	Transport	National strategy for the development of cycling	No
Czech Republic	Transport	Taxation of fuel	No
Czech Republic	Transport	Modernisation Fund 2021-2030 (part transport)	No
Czech Republic	Transport	Integrated Regional Operational Programme 2021-2027 - SC 2.1 Sustainable multimodal urban mobility	No
Estonia	Transport	<u>Time-based road toll for heavy duty vehicles</u>	Yes
Estonia	Transport	Electric car purchase and rental programme	Yes
Estonia	Transport	Walking and cycling roads	Yes
Estonia	Transport	Eco driving	Yes
Finland	Transport	Taxation of transport fuels / Car traffic	Yes
Germany	Transport	<u>Heavy Goods Vehicle Toll / Truck Toll (LKW-Maut)</u>	No
Germany	Transport	Levy on air traffic (Luftverkehrsabgabe)	No
Germany	Transport	Making rail travel cheaper (Bahnfahren billiger machen)	No
Germany	Transport	EU-related: Promotion of alternative drives in public transport - Directive 2019/1161/EU (Förderrichtlinie zur Anschaffung von Elektrobussen im öffentlichen Personennahverkehr)	Yes
Germany	Transport	Development of electricity-based fuels (Entwicklung strombasierter Kraftstoffe)	Yes
Greece	Transport	Incentives for replacement of private passenger cars	Yes
Greece	Transport	Improvements in public transport networks	No
Greece	Transport	Replacement and promotion of low polluting vehicles	Yes
Ireland	Transport	Electric Vehicle Grants	No
Ireland	Transport	Emissions Based Vehicle Registration Tax & Other Tax Incentives for EVs	No
Italy	Transport	Modal shift - Ferrobonus & Marebonus	No
Latvia	Transport	Law "On Excise Duties": taxation of oil products and natural gas	Yes
Latvia	Transport	Systematic Inspection of the Technical Conditions of Motor Vehicles	No
Lithuania	Transport	EU related: Community framework for the taxation of energy products and electricity - Law on Excise Duty	Yes
Malta	Transport	Free Transport for Youths, Students and School Children 2	Yes
Malta	Transport	Continuation of EV Grants and Electromobility Action Plan	Yes
Montenegro	Transport	Subsidy for the purchase of electric and hybrid vehicles to the citizens	No
Poland	Transport	Development of collective public transport in cities	No

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Countries : Countries x

Measure type : Select...

Targeted end-use :

- Road transport (goods) x
- Road transport (passengers) x
- Other passenger transport x
- Other goods transport x Modal shift x
- All electric end-uses (unspecified) x
- All fuel-related end-uses (unspecified) x
- All end-uses (unspecified) x

Search

Clear All

Less options

Measure Characterisation ▶

Impacts ▶

Relation to EU Policy Frame ▼

- EU related measures
- NECPs measures
- Article 7/8 EED measures
- Measures using EU funding

Directives : Select...

Energy poverty & sufficiency ▶

Baza MURE – novosti

Energetska revščina

Dodatna klasifikacija ukrepov:

1. Ukrep primarno naslavlja energetska revščino
2. Ukrep vsebuje pomembno komponento, ki naslavlja energetska revščino

Energy Advice for low-income households (Stromsparcheck) - Measure Detail

Measure Code : HOU-DE0672

Country : Germany

Title : Energy Advice for low-income households (Stromsparcheck)

Short description : The measure specifically includes consultancy and funding for low-income households on how to save electricity and energy.

Reference : Notice of funding from the Federal Ministry for the Environment, Nature Conservation and Nuclear Safety

Status	Issuing date	Starting date	Ending date	Impact ⓘ	NECP ⓘ	Art. 7/8 EED ⓘ	EU Funding
Ongoing	2009	2009		Low	No	Yes	No

Types : Financial - Subsidies - Subsidies for other energy efficiency/renewable investments

Actors : Associations
Central government

Target Audience : Low-income households

Targeted End Use or type : All electric end-uses (unspecified)

Energy poverty : Yes (aiming mainly or exclusively at energy poverty)

Energy sufficiency : No

Public budgets : k€ 93,000.0 from 2021 to 2030

[View quantitative evaluation impact](#)

Export

Baza MURE – novosti

Energetska revščina

Dodatna klasifikacija ukrepov:

1. Ukrep primarno naslavlja energetska revščino
2. Ukrep vsebuje pomembno komponento, ki naslavlja energetska revščino

The screenshot displays the MURE database interface for a specific energy efficiency measure. It is divided into two main sections: a left sidebar with general information and a main content area with detailed description and a table.

Energy Advice for low-income households

Measure Code :
Country :
Title :
Short description :
Reference :
Status : Ongoing
Types :
Actors :
Target Audience :
Targeted End Use or type :
Energy poverty :
Energy sufficiency :
Public budgets :

Scheme of energy efficiency for low-income households - Measure Detail

Measure Code : HOU-SI0958
Country : Slovenia
Title : Scheme of energy efficiency for low-income households
Short description : The first scheme was prepared in 2009 for a subsidy to low-income households for the energy rehabilitation of older multi-apartment buildings in which a larger number of households reside. The financial subsidy is intended to enable the implementation of low investment measures to reduce energy costs and increase living comfort.
Reference : <https://www.energetika-portal.si/dokumenti/strateski-razvojni-dokumenti/akcijski-nactr-za-energetska-ucinkovitost/> • Ministry of the Environment, Climate and Energy
<https://www.gov.si/drzavni-organi/ministrstva/ministrstvo-za-okolje-podnebje-in-energijo/o-ministrstvu/direktorat-za-energijo/>

Status	Issuing date	Starting date	Ending date	Impact ⓘ	NECP ⓘ	Art. 7/8 EED ⓘ
Ongoing	2008	2009	2030	Low	Yes	Yes

Types : Financial - Subsidies - Subsidies for building renovation
Financial - Subsidies - Subsidies for highly efficient electrical appliances

Actors : Central government

Target Audience : Low-income households

Targeted End Use or type : All end-uses (unspecified)

Energy poverty : Yes (aiming mainly or exclusively at energy poverty)

Energy sufficiency : No

[View quantitative evaluation impact](#)

Baza MURE – novosti

Energetska zadostnost („sufficiency“)

Energetska zadostnost

spreminja količino ali kakovost
energetskih storitev (ne pod osnovne potrebe ljudi)

Energetska učinkovitost

spreminja obseg rabe energije za
enak nivo energetskih storitev

Energetska zadostnost je stanje, v katerem so **osnovne potrebe** ljudi po energetskih storitvah **izpolnjene pravično in ob spoštovanju ekoloških omejitev**. Ukrepi za energetska zadostnost so **ukrepi, ki zmanjšujejo povpraševanje po energiji**, da bi nas približali stanju energetske zadostnosti, **hkrati pa spreminjajo količino ali kakovost** zahtevanih energetskih storitev na trajosten način in **ne pod osnovne potrebe ljudi**. Energetske storitve so koristi, ki jih zagotavlja energija, kot so kuhanje, razsvetljava, hlajenje, komunikacija na osnovi IT, avtomobilski prevoz in industrijski procesi. Njihova narava spreminjanja količine ali kakovosti zahtevanih energetskih storitev je tisto, kar ločuje ukrepe za energetska zadostnost od ukrepov za energetska učinkovitost.

Baza MURE – novosti

Energetska zadostnost („sufficiency“)

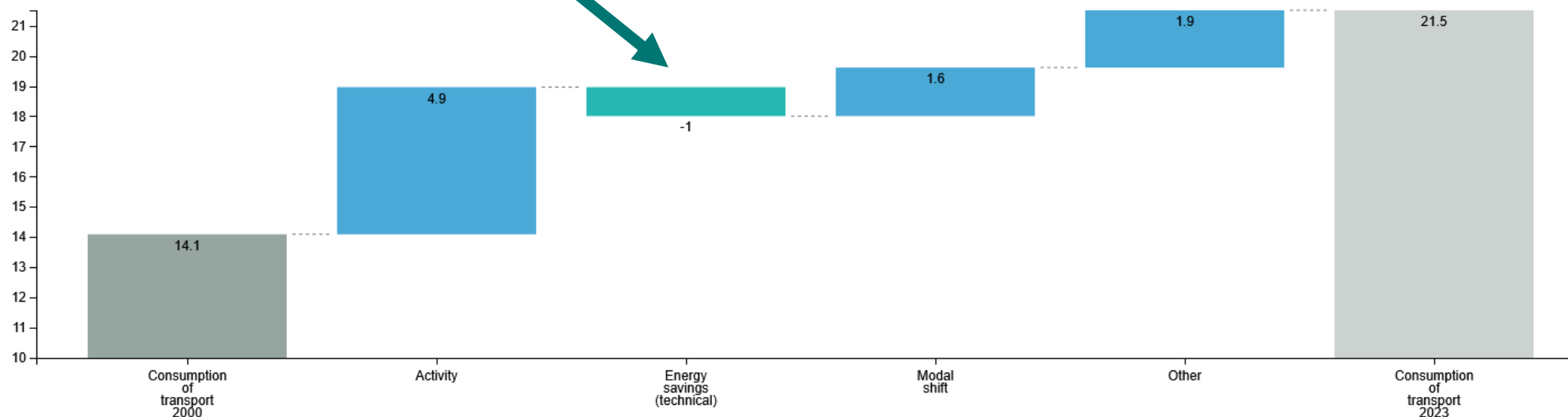
Energetska zadostnost

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VARIATION TRANSPORT CONSUMPTION
SLOVENIA
TWH (2000-2023)



Baza MURE – novosti

Energetska zadostnost („sufficiency“)

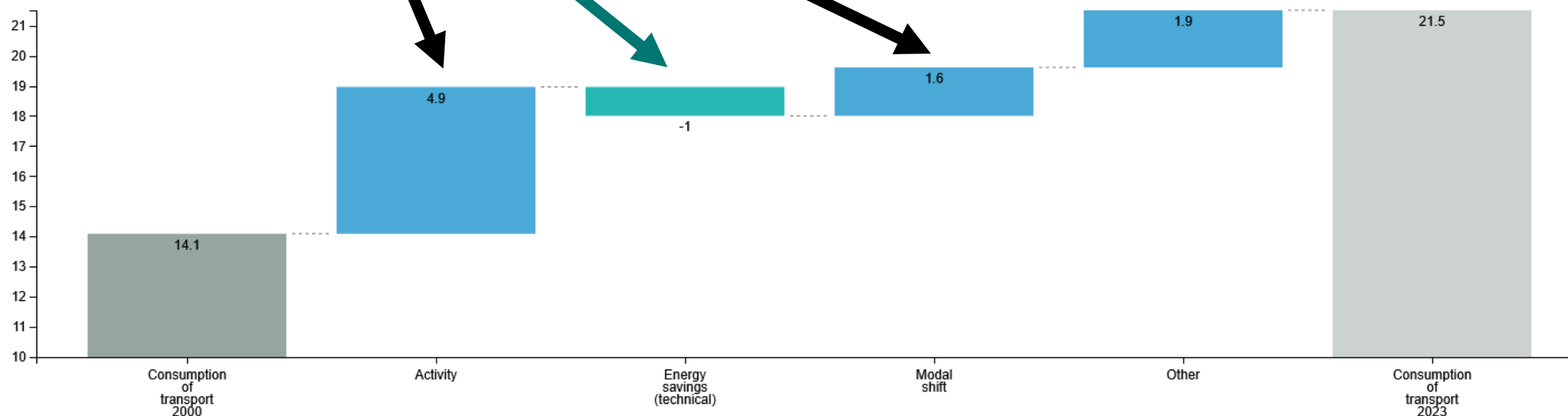
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VARIATION TRANSPORT CONSUMPTION
SLOVENIA
TWH (2000-2023)



Baza MURE – novosti

Energetska zadostnost („sufficiency“)

Glede na vrsto ukrepa:

izogibanje *energetskim storitvam*, npr. ne potovati na določeno destinacijo (delo od doma), ***posebnim aparatom*** (npr. hladilniki za vino ali klimatske naprave)
nadomeščanje *energetskih storitev*, npr. sprememba načina prevoza, zračenje oblačil namesto pranja
prilagajanje *energetskih storitev*, npr. velikost aparata, temperature v prostoru, bivalni prostor

Glede na učinek ukrepa:

Neposredni ukrepi - vodijo do zmanjšanja povpraševanja po energetskih storitvah, npr. regulacije/omejitve
Posredni ukrepi - posredno spodbujajo zmanjšano povpraševanje po energetskih storitvah: **finančni** npr. davki, bonus/malus, cestnine, plačevanje po porabi, **nefinančni** npr. izboljšanja potrebne infrastrukture ali oskrbe, posredovanja informacij, zmanjševanje obstoječih ovir

Baza MURE – novosti

Energetska zadostnost („sufficiency“)

DIREKTNI ukrepi

Code	Country	Sector	Title	EU	Impact	NECPs	Art. 7 / 8 EED	EU Funding
TRA-FR5139	France	Transport	Interdiction of short domestic flights with a rail alternative	No	Low	Yes	No	No
TRA-GR2176	Greece	Transport	Promotion of economical, safe and eco-driving	No	Medium	Yes	No	No
TRA-GR4597	Greece	Transport	Promotion of use and improvement of energy efficiency of urban public transport systems	No	Low	Yes	No	No
TRA-LV5167	Latvia	Transport	Oil products consumption reduction measures in 2022-2023 winter season in state administration sector	No	Medium	No	No	No

Baza MURE – novosti

Energetska zadostnost („sufficiency“)

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TRA-GR4597	Greece	Transport	Promotion of use and improvement of energy efficiency of urban public transport systems	No	Low	Yes	No	No
TRA-LV5167	Latvia	Transport	Oil products consumption reduction measures in 2022-2023 winter season in state administration sector	No	Medium	No	No	No

POSREDNI MONETARNI ukrepi

Code	Country	Sector	Title	EU	Impact	NECPs	Art. 7 / 8 EED	EU Funding	Type
TRA-AT1949	Austria	Transport	Vehicle Ownership Tax with Exception for Electric and Hydrogen Vehicles	No	Low	Yes	No	No	Fiscal
TRA-AT1951	Austria	Transport	Fuel Consumption Based Registration Tax with Exception for Electric and Hydrogen Vehicles	No	Low	Yes	No	No	Fiscal
TRA-AT1956	Austria	Transport	Incentives for Electric Mobility - Vehicles (E-mobility initiative)	No	Low	Yes	No	No	Financ
TRA-AT4119	Austria	Transport	Incentives for Electric Mobility - Charging Infrastructure (E-mobility initiative)	No	Medium	Yes	No	No	Financ
TRA-AT4140	Austria	Transport	Input VAT Exemption for Zero-emission Company Cars	No	Low	No	No	No	Fiscal
TRA-AT4141	Austria	Transport	Tax-free Private Use of Electric Company Cars and Bikes	No	Low	Yes	No	No	Fiscal
TRA-FI5166	Finland	Transport	Changes to taxable values of employer-provided commuter tickets and bicycles	No	Low	Yes	No	No	Fiscal
TRA-FR2122	France	Transport	Bonus-malus scheme for new vehicle purchases (bonus-malus écologique)	No	High	Yes	No	No	Fiscal,
TRA-DE2170	Germany	Transport	Levy on air traffic (Luftverkehrsabgabe)	No	Medium	No	Yes	No	Fiscal
TRA-DE4616	Germany	Transport	Germany-Ticket for local public transport (Deutschlandticket)	No	Medium	No	No	No	Others
TRA-IE2207	Ireland	Transport	Mineral Oil Tax (Carbon Tax)	No	Medium	Yes	Yes	No	Fiscal
TRA-LV5065	Latvia	Transport	Law “On Excise Duties”: taxation of oil products and natural gas	Yes	High	No	Yes	No	Fiscal

Baza MURE – novosti

Energetska zadostnost („sufficiency“)

POSREDNI NEMONETARNI ukrepi

Code	Country	Sector	Title	EU	Impact	NE
TRA-AT1958	Austria	Transport	Sharing Schemes and Mobility Stations (Bicycles, Scooters, Cars)	No	Low	No
TRA-AT1954	Austria	Transport	Promotion of Active Mobility and Mobility Management (by klimaaktiv mobil)	No	Low	Yes
TRA-FR2121	France	Transport	Bicycle rental systems	No	Low	No
TRA-FR2142	France	Transport	Measures in favour of carpooling and car sharing	No	Low	Yes
TRA-DE4116	Germany	Transport	Strengthening rail freight transport (Stärkung des Schienengüterverkehrs)	No	Low	Yes
TRA-DE4033	Germany	Transport	Modernisation of the railway network (Modernisierung des Schienennetzes)	No	Low	Yes
TRA-GR2179	Greece	Transport	Improvements in public transport networks	No	Low	No
TRA-GR2178	Greece	Transport	Improvements in road transport infrastructure	Yes	High	No
TRA-IE2211	Ireland	Transport	National Cycling Policy Framework	No	Low	No
TRA-IE5200	Ireland	Transport	Safe Routes to Schools Transport Infrastructure Programme	No	Low	No
TRA-IE4907	Ireland	Transport	Major Public Transport Infrastructure Investment to 2030	No	Medium	Yes
TRA-LV2280	Latvia	Transport	Development of environmentally friendly multi-modal public transport infrastructure: EU funding 2021-2027 programming period	No	Medium	Yes
TRA-LV2283	Latvia	Transport	Regular public information and education measures	No	Medium	Yes
TRA-LV2288	Latvia	Transport	New electric passengers trains (railway)	No	Medium	Yes
TRA-LV4291	Latvia	Transport	Greening public transport in Riga metropolitan area: Recovery and Resilience Facility Financing, 2023-2026	No	Medium	Yes
TRA-LV3890	Latvia	Transport	Increase the number of zero emission vehicles in public transport, municipal transport and state direct administration institutions: 2023-2029	No	Low	Yes
TRA-SI5351	Slovenia	Transport	Efficient use of the passenger vehicle	No	Medium	Yes
TRA-SI2409	Slovenia	Transport	Building cycle paths and support structures and promoting cycling	No	Low	Yes
TRA-SI2407	Slovenia	Transport	Promoting sustainable freight transport	No	High	Yes
TRA-SI2406	Slovenia	Transport	Promotion and competitiveness of public transport	No	High	Yes
TRA-SI2404	Slovenia	Transport	Provision of financial resource for the development of rail transport for the period 2014-2030	No	Low	Yes
TRA-ES4576	Spain	Transport	Aid program for local entities to promote the use of bicycles through investment in cycling infrastructure (Order TMA 1131/2022)	No	Low	Yes
TRA-ES4600	Spain	Transport	Aid program for municipalities for the implementation of low emission zones and the digital and sustainable transformation of urban transport	No	Medium	Yes
TRA-ES5291	Spain	Transport	Aid Programme to local entities within the Public Infrastructure Plan in municipalities in areas affected by the energy transition (Transport)	No	Low	Yes

Baza MURE – novosti

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TRA-DE4033	Germany	Transport	Modernisation of the railway network (Modernisierung des Schienennetzes)	No	Low	Yes
TRA-GR2179	Greece	Transport	Infrastructure works	No	Low	No
TRA-GR2178	Greece	Transport	Infrastructure structure	Yes	High	No
TRA-IE2211	Ireland	Transport	Non-ferrous	No	Low	No
TRA-IE5200	Ireland	Transport	Structural Infrastructure Programme	No	Low	No
TRA-IE4907	Ireland	Transport	Medium Investment to 2030	No	Medium	Yes
TRA-LV2280	Latvia	Transport	Diversifying multi-modal public transport infrastructure: EU funding 2021-2027 programming period	No	Medium	Yes
TRA-LV2283	Latvia	Transport	Reduction measures	No	Medium	Yes
TRA-LV2288	Latvia	Transport	New electric passenger trains (tramway)	No	Medium	Yes
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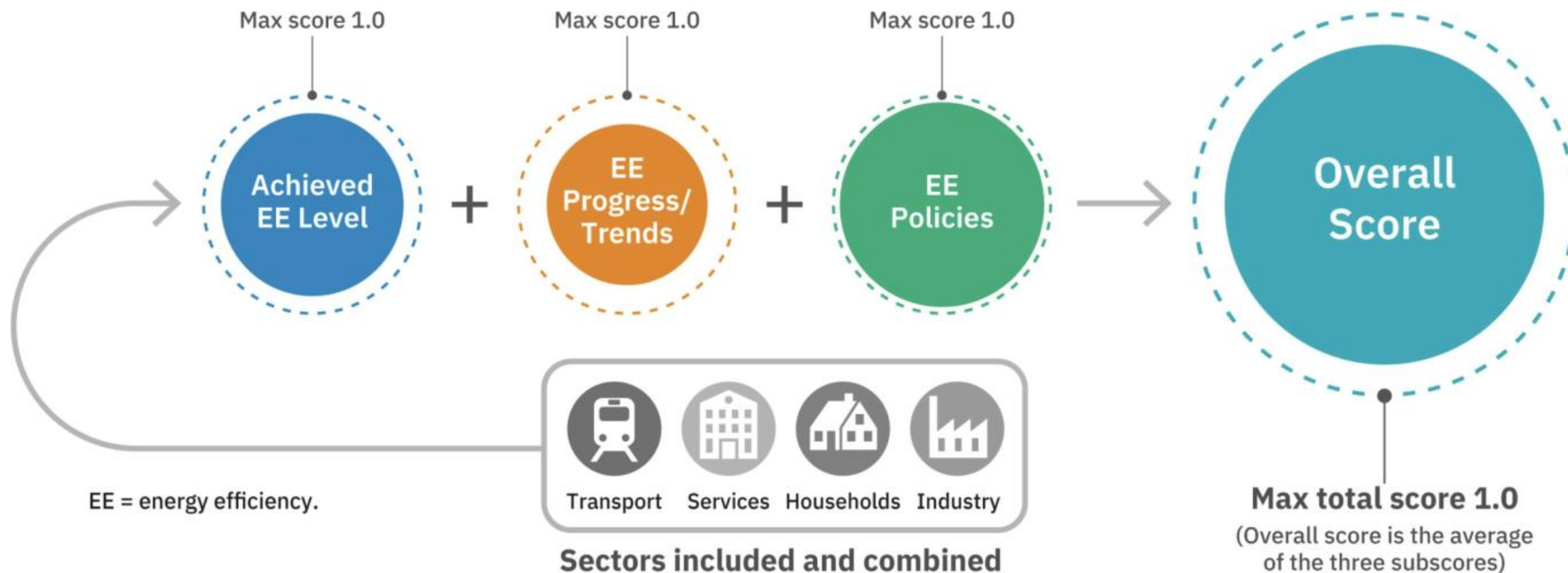
Gospodinjstva: 14
Industrija: 4
Storitve: 19
Promet: 56
Večsektorski: 26

Kaj je eceee & ODYSSEE-MURE indeks energetske učinkovitosti?

- Ocene temeljijo na podatkih iz (www.odyssee-mure.eu):
 - podatkovna baza **ODYSSEE** - kazalniki energetske učinkovitosti
 - podatkovna baza **MURE** - ukrepi energetske učinkovitosti.
- Orodje za primerjavo vplivov ukrepov in razvoja energetske učinkovitosti med evropskimi državami. **Celovita primerjave uspešnosti držav v Evropi glede URE.**
- Prvi indeks energetske učinkovitosti, ki **upoštevava kvantitativne vplive ukrepov** (ocenjevanje na podlagi rezultatov).
- Upošteva več desetletij statističnih podatkov ter prihodnje vplive trenutnih programov energetske učinkovitosti.

<https://www.odyssee-mure.eu/data-tools/scoring-efficiency-countries.html>

Kako je izračunan indeks

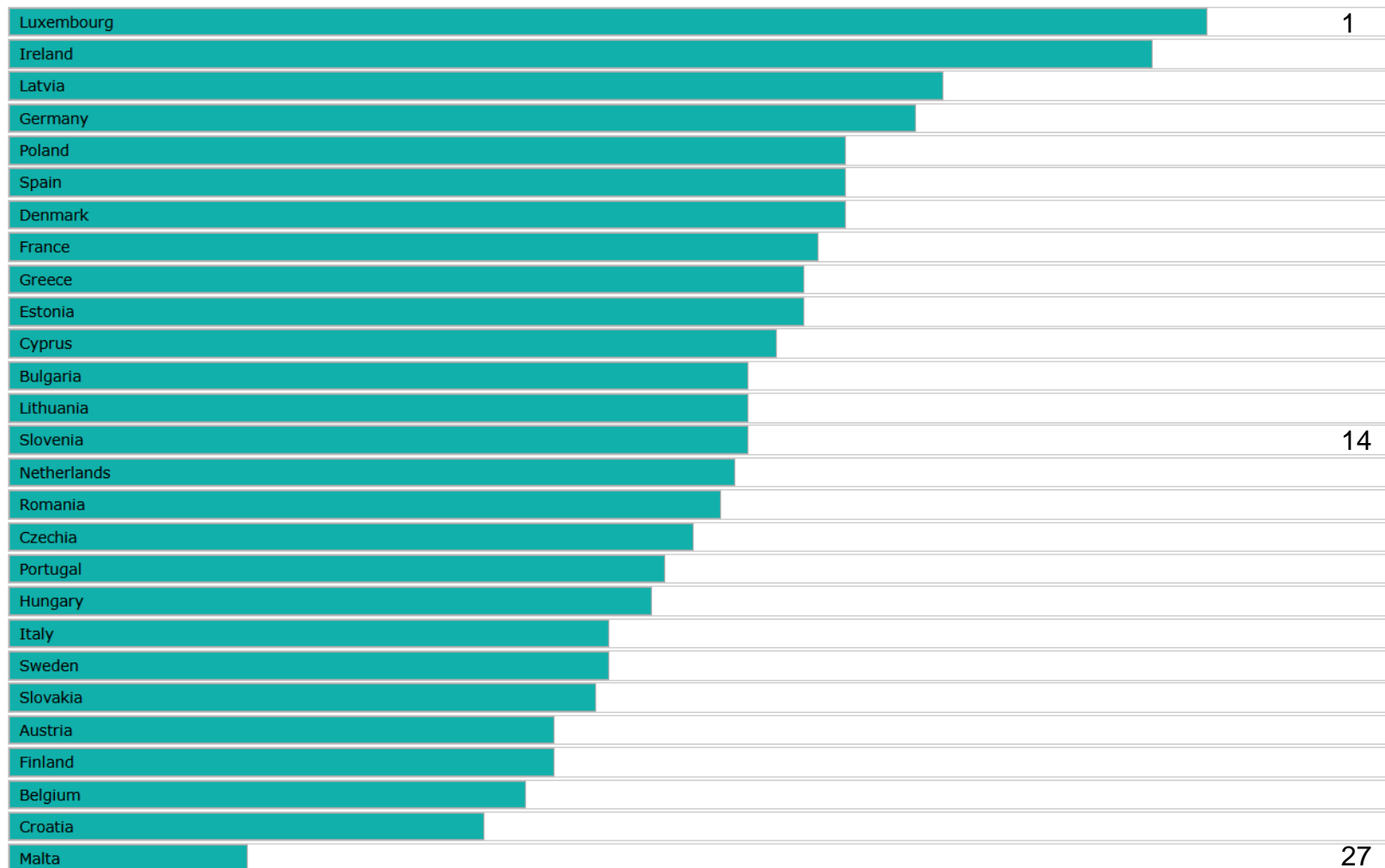


ODYSSEE-MURE

Indeks energetske učinkovitosti (2024)

OVERALL: OVERALL ENERGY EFFICIENCY SCORE

The overall energy efficiency score is obtained as an average of the three scores obtained for "energy efficiency level", "energy efficiency progress" and "energy efficiency policies" (i.e. one third weighting).



ODYSSEE-MURE

Indeks energetske učinkovitosti

SKUPNI

Ranking	Overall	Scoreboard 2024	Scoreboard 2023
1	Luxembourg	0,843	Luxembourg 0,856
2	Ireland	0,800	Germany 0,683
3	Latvia	0,646	France 0,626
4	Germany	0,631	Latvia 0,613
5	Poland	0,583	Denmark 0,602
6	Spain	0,582	Greece 0,591
7	Denmark	0,578	Spain 0,580
8	France	0,561	Estonia 0,542
9	Greece	0,551	Slovenia 0,510
10	Estonia	0,546	Netherlands 0,505
11	Cyprus	0,531	Cyprus 0,504
12	Bulgaria	0,514	Romania 0,486
13	Lithuania	0,511	Poland 0,485
14	Slovenia	0,508	Ireland 0,476
15	Netherlands	0,503	Hungary 0,468
16	Romania	0,488	Czech Republic 0,456
17	Czech Republic	0,467	Portugal 0,430
18	Portugal	0,455	Lithuania 0,420
19	Hungary	0,444	Sweden 0,411
20	Italy	0,414	Slovakia 0,407
21	Sweden	0,408	Austria 0,406
22	Slovakia	0,403	Italy 0,400
23	Austria	0,372	Bulgaria 0,371
24	Finland	0,368	Finland 0,361
25	Belgium	0,347	Belgium 0,330
26	Croatia	0,325	Croatia 0,278
27	Malta	0,146	Malta 0,257

NIVO („level“)

Ranking	SB24-Level		SB23-Level	
1	Lithuania	1,000	Denmark	1,000
2	Latvia	0,869	Lithuania	0,964
3	Greece	0,830	Slovenia	0,875
4	Denmark	0,809	Greece	0,864
5	Slovenia	0,807	France	0,860
6	France	0,801	Latvia	0,857
7	Sweden	0,787	Spain	0,850
8	Germany	0,773	Germany	0,846
9	Estonia	0,772	Sweden	0,839
10	Ireland	0,758	Romania	0,838
11	Netherlands	0,747	Slovakia	0,827
12	Spain	0,741	Austria	0,821
13	Slovakia	0,737	Netherlands	0,781
14	Italy	0,731	Italy	0,762
15	Austria	0,679	Estonia	0,726
16	Portugal	0,666	Portugal	0,699
17	Hungary	0,644	Hungary	0,661
18	Romania	0,610	Poland	0,594
19	Poland	0,570	Ireland	0,573
20	Czech Republic	0,552	Luxembourg	0,569
21	Luxembourg	0,530	Bulgaria	0,538
22	Bulgaria	0,513	Czech Republic	0,508
23	Malta	0,401	Finland	0,492
24	Belgium	0,398	Belgium	0,370
25	Finland	0,361	Malta	0,283
26	Croatia	0,120	Croatia	0,157
27	Cyprus	0,000	Cyprus	0,000

ODYSSEE-MURE

Indeks energetske učinkovitosti

SPREMEMBA („trend“)

Ranking	SB24-Trend		SB23-Trend	
1	Luxembourg	1,000	Luxembourg	1,000
2	Ireland	0,882	Estonia	0,809
3	Denmark	0,823	Ireland	0,736
4	Estonia	0,810	Greece	0,715
5	Latvia	0,768	Denmark	0,691
6	Cyprus	0,677	Cyprus	0,681
7	France	0,648	Hungary	0,645
8	Belgium	0,644	Latvia	0,644
9	Czech Republic	0,622	Czech Republic	0,628
10	Greece	0,610	Belgium	0,618
11	Romania	0,600	France	0,606
12	Spain	0,598	Slovenia	0,546
13	Hungary	0,595	Netherlands	0,528
14	Portugal	0,573	Spain	0,522
15	Slovenia	0,550	Portugal	0,507
16	Netherlands	0,544	Croatia	0,456
17	Lithuania	0,466	Malta	0,436
18	Poland	0,435	Sweden	0,377
19	Croatia	0,428	Poland	0,373
20	Sweden	0,420	Romania	0,356
21	Italy	0,401	Austria	0,344
22	Austria	0,390	Italy	0,325
23	Germany	0,350	Germany	0,315
24	Slovakia	0,319	Slovakia	0,256
25	Finland	0,313	Lithuania	0,233
26	Bulgaria	0,230	Finland	0,185
27	Malta	0,000	Bulgaria	0,000

UKREPI („policy“)

Ranking	SB24-Policy		SB23-Policy	
1	Luxembourg	1,000	Luxembourg	1,000
2	Cyprus	0,915	Germany	0,887
3	Bulgaria	0,799	Cyprus	0,831
4	Germany	0,771	Bulgaria	0,573
5	Ireland	0,759	Poland	0,489
6	Poland	0,743	France	0,413
7	Finland	0,432	Finland	0,407
8	Croatia	0,427	Spain	0,367
9	Spain	0,407	Latvia	0,337
10	Latvia	0,300	Romania	0,262
11	Romania	0,256	Czech Republic	0,232
12	France	0,235	Croatia	0,220
13	Czech Republic	0,228	Netherlands	0,207
14	Netherlands	0,218	Greece	0,193
15	Greece	0,213	Slovakia	0,138
16	Slovenia	0,166	Ireland	0,118
17	Slovakia	0,154	Denmark	0,114
18	Portugal	0,125	Italy	0,112
19	Italy	0,109	Slovenia	0,110
20	Denmark	0,102	Hungary	0,098
21	Hungary	0,094	Estonia	0,091
22	Lithuania	0,067	Portugal	0,086
23	Estonia	0,055	Lithuania	0,063
24	Austria	0,047	Malta	0,052
25	Malta	0,036	Austria	0,052
26	Sweden	0,017	Sweden	0,016
27	Belgium	0,000	Belgium	0,000

Energetska učinkovitost na prvem mestu – direktiva EED

V skladu z načelom "energetska učinkovitost na prvem mestu" države članice zagotovijo, da se **rešitve za energetska učinkovitost** [...] ocenijo pri **načrtovanju, politikah in pomembnih naložbenih odločitvah** [...]

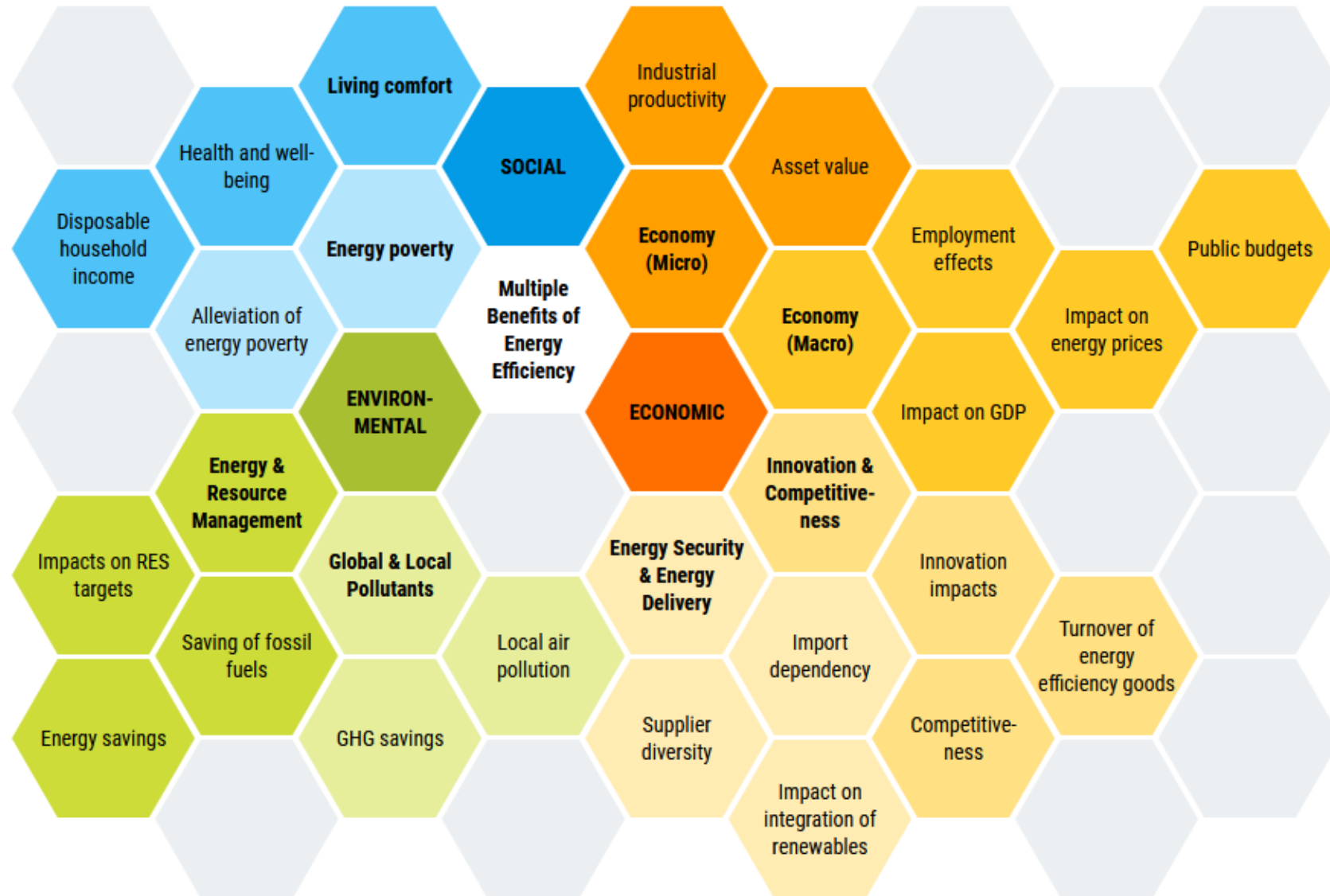
Pri uporabi načela "energetska učinkovitost na prvem mestu" države članice (a) spodbujajo uporabo metod za analize stroškov in koristi, ki omogočajo ustrezno **oceno širših koristi rešitev za energetska učinkovitost**, in če so analize stroškov in koristi potrebne, zagotovijo uporabo takšnih metod [...]

Prenovljena direktiva o energetska učinkovitosti (EED 2023) je začela veljati 10. oktobra 2023.

Člen 3 direktive določa "energetska učinkovitost na prvem mestu" kot **temeljno načelo energetske politike EU**.

[Bolj podrobna razlaga v smernicah za razlago člena 3 Direktive \(EU\) 2023/1791 Evropskega parlamenta in Sveta v zvezi z načelom „energetska učinkovitost na prvem mestu“ \(C\(2024\) 5284 final\)](#)

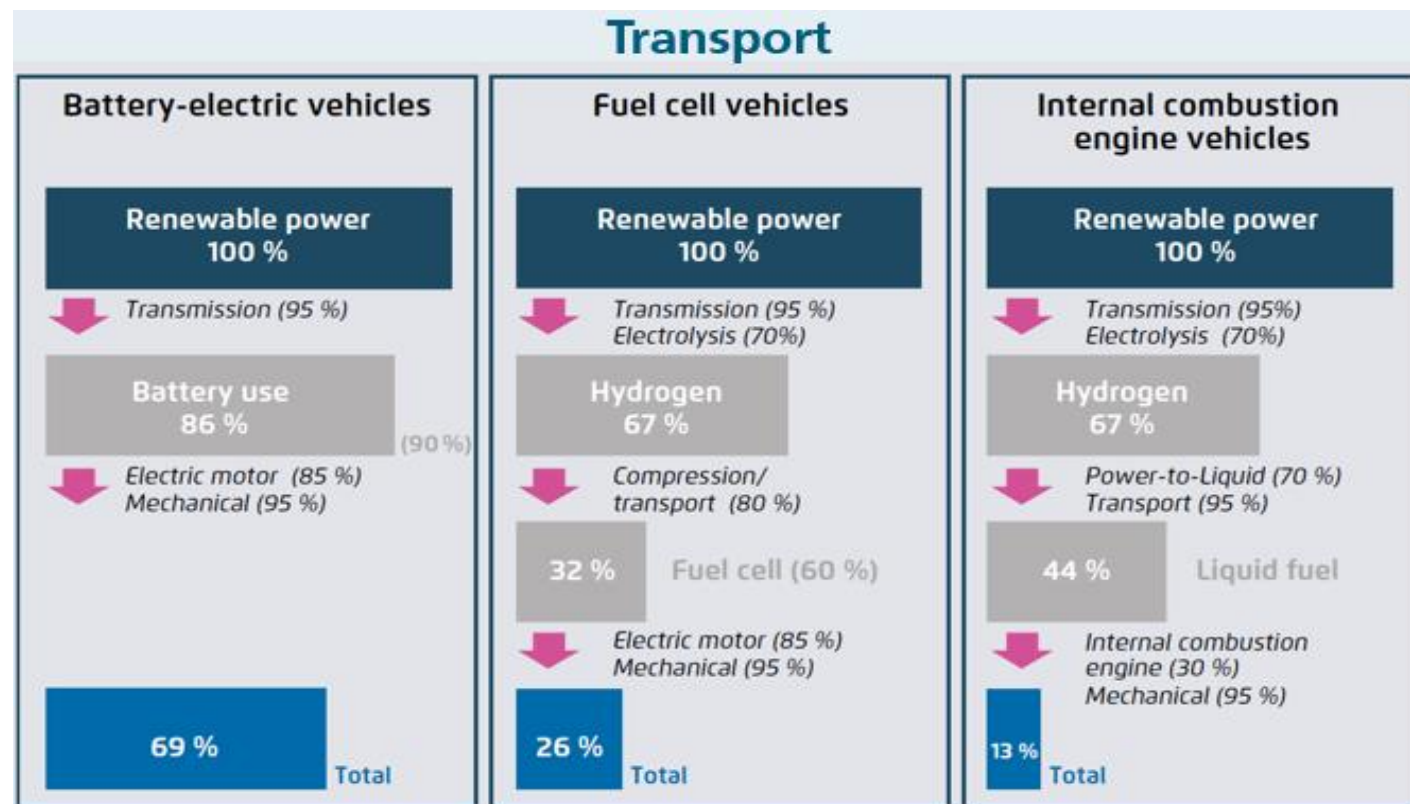
Širše koristi ukrepov URE



Podnebna nevtralnost : EE na 1. mestu

Primer - promet

Primer prometa – tri različne poti vodijo k nižjim emisijam, vendar niso enakovredne iz vidika energetske učinkovitosti.



Slika je nepopolna – potrebno vključiti tudi druge učinke poti do podnebne nevtralnosti skladno z načelom EE1

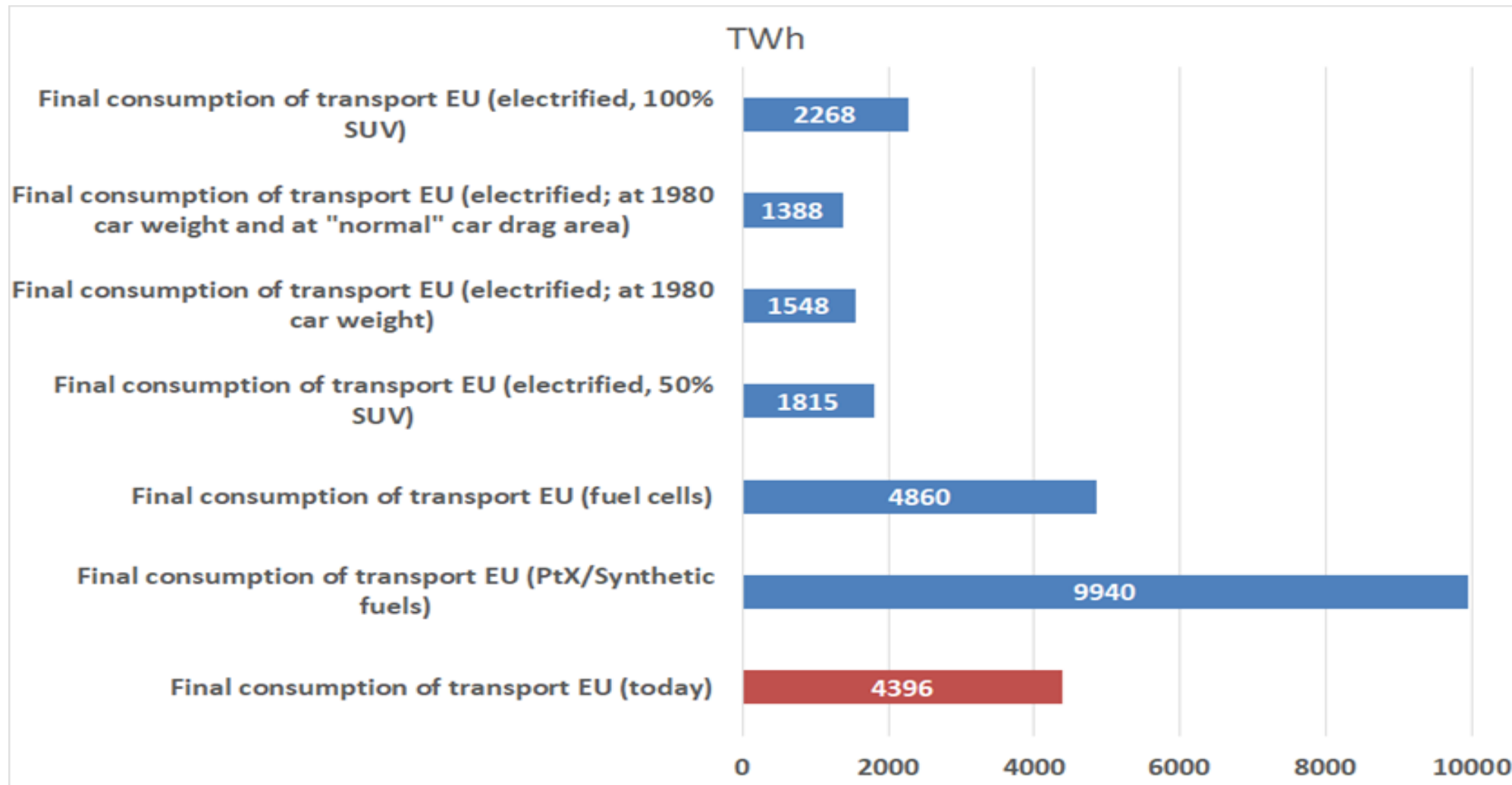
Pridobivanje litija in ostalih surovin za baterije, emisije delcev zaradi večje teže vozil, reciklaža baterij

Surovine za proizvodnjo gorivnih celic, hramba vodika, večja proizvodnja elektrike za potrebe elektrolize

Sistemi CCS za zajem CO₂ za proizvodnjo sintetičnih goriv

Podnebna nevtralnost : EE na 1. mestu

Primer - promet (kakšni avti)



EE1 in NEPN

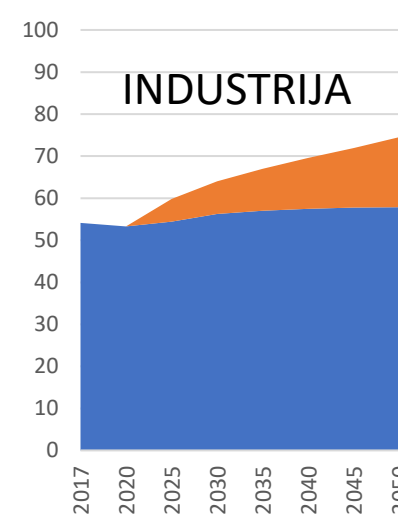
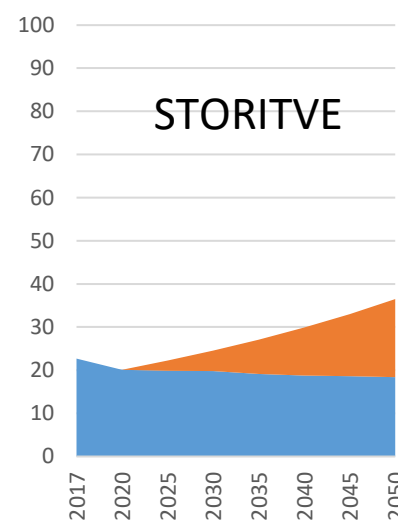
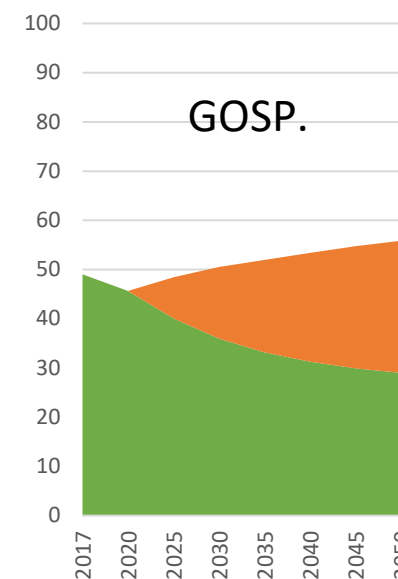
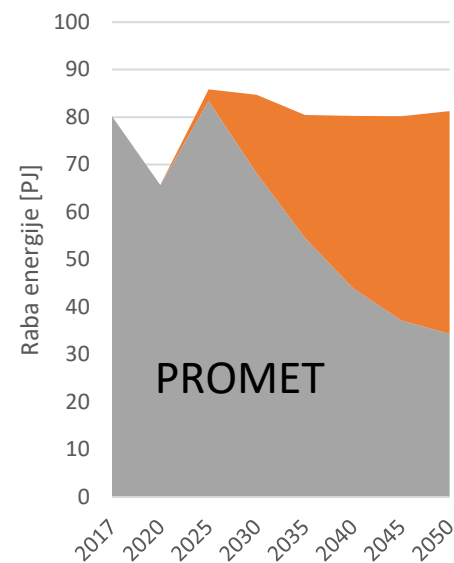
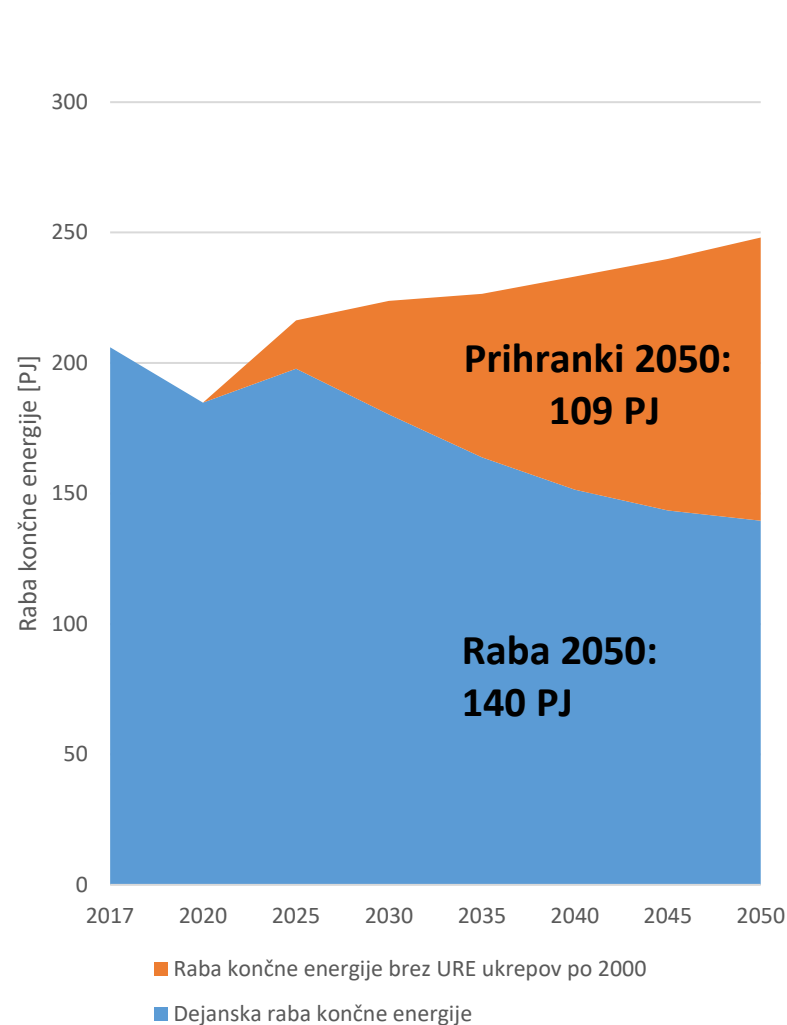
Pregled ključnih ciljev:

- pospešeno izboljšanje energetske in snovne učinkovitosti v vseh sektorjih** (tudi pri oskrbi z energijo) kot ključni dejavnik uspešnega izhoda iz energetske krize in učinkovite izvedbe zelenega prehoda (in torej zmanjšanje porabe energije in drugih naravnih virov) po načelu »energetska učinkovitost na prvem mestu«, kar je osnovni pogoj za uspešen in konkurenčen prehod v podnebno nevtrarno družbo,

ID	Ime in opis instrumenta	Vrsta instrumenta	Odgovornost	Aktivnost	Rok	Merila/kazalniki uspešnosti	Ciljne vrednosti (po letih)
M36.7 (prenos iz poglavja 3.6)	Priprava podlag za uveljavljanje načela energetska učinkovitost na prvem mestu	načrtovanje, spremljanje, predpisi	MOPE	<p>Priprava podlag (metodologij, postopkov vrednotenja in odločanja, podatkovnih podpor, izvedbenih načrtov in drugega) za podporo uveljavljanju načela energetska učinkovitost na prvem mestu pri rabi in oskrbi z energijo na vseh ravneh odločanja o projektih, naročanja ter načrtovanju programov, investicij in podpornih shem:</p> <ul style="list-style-type: none"> energetska podjetja, druge gospodarske ter okoljske javne službe, regulator, upravljalec državnega premoženja, lokalne skupnosti, državni krovni in sektorski programi in programi financiranja (usmerjanje vseh subvencij, zelenih javnih naročil in drugega), drugo. <p>Priprava tehnične pomoči in paketnih rešitev (subvencije + svetovanje in podobno) za izvajanje ukrepov (glej ukrep M11.1).</p> <p>Spremljanje uveljavljanja načela.</p>	2025 2026 2027	<p>Pripravljeni metodologija, postopki in izvedbeni načrti: 2027.</p> <p>Podatki, nadgradnja metodologije, podpora izvajanju: stalna naloga.</p>	

Uporaba ODYSSEE-MURE

Prihranki energije v NEPN



Vprašanja?

Hvala za pozornost.