

**Energy efficiency indicators  
in Estonia based on the  
results of the ODYSSEE-  
MURE project**

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TTÜ Energiatehnoloogia instituut**



# Andmebaasile juurdepääsuks

On vaja registreeruda (partneriteks on avalik-õiguslikud organisatsioonid, mis on projekti ODYSSEE MURE partnerid, ministeeriumid, riiklikud energiaagentuurid, EL Komisjon, jne).

Registreeruge tasuta juurdepääsu saamiseks ODYSSEE andmebaasile (mis on reserveeritud ELi ülikoolidele ja uurimiskeskustele mitteäriliseks kasutamiseks)



# ODYSSEE ANDMEBAASI MENÜÜ



**MARKET  
DIFFUSION**



**DECOMPOSITION**



**COMPARISON**



**ENERGY SAVING**



**ENERGY  
EFFICIENCY  
SCOREBOARD**



# Key indicators/ põhinäitajad



- Macro
  - Overall energy saving rate
  - Primary energy intensity
  - Final energy intensity
- Industry
- Transport
- Households
- Services

## HOW TO USE

Last update : August 2021

Year: 2019

Unit: koe/EUR2010p

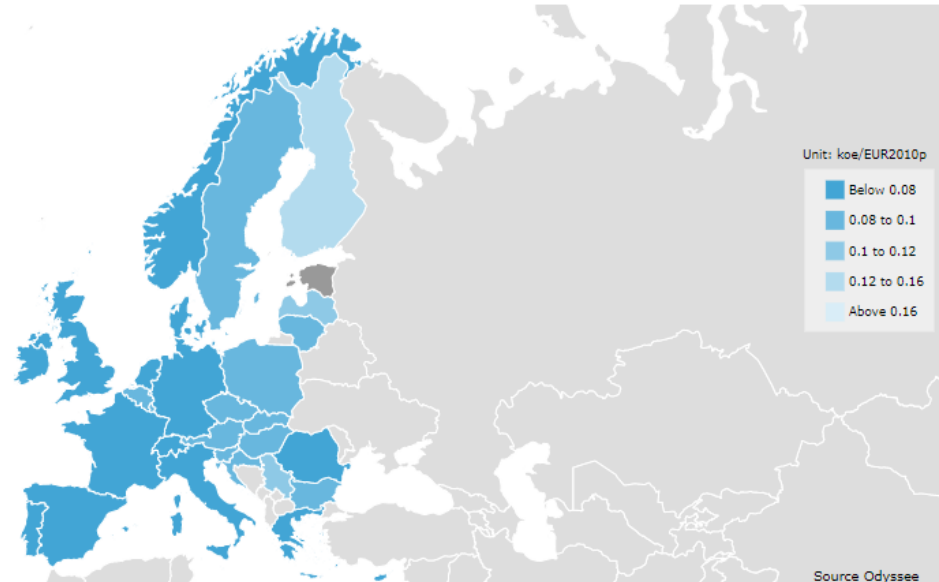
HIGHEST TEN

Finland	0.1418
Latvia	0.1066
Serbia	0.1042
Estonia	0.0960
Slovenia	0.0959
Croatia	0.0957
Austria	0.0940
Belgium	0.0935
Bulgaria	0.0918
Luxembourg	0.0901

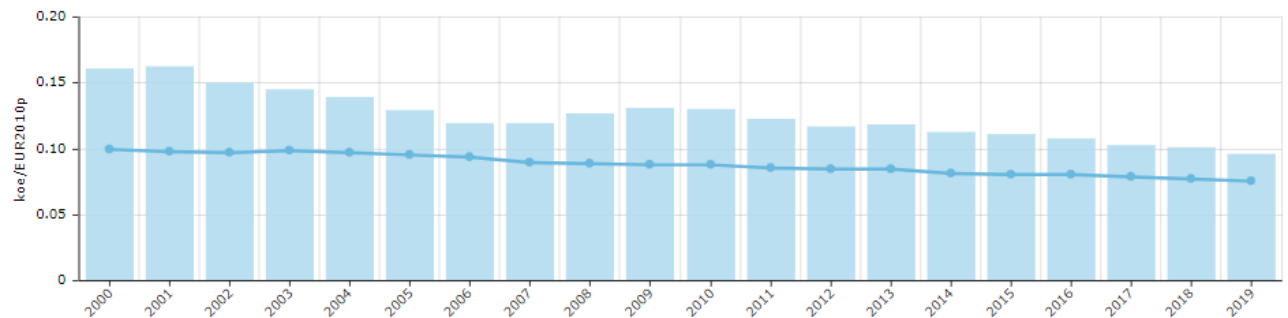
## FINAL ENERGY INTENSITY (AT PURCHASING POWER PARITIES)

TREND

Year: 2019



## ESTONIA





# Põhinäitajad: Sektoriülesed / Macro / Energia- mahukus

## ▼ Macro

- Overall energy saving rate
- Primary energy intensity
- Final energy intensity

▶ Industry

▶ Transport

▶ Households

▶ Services

Year: 2019

Unit: koe/EUR2010p

HIGHEST TEN ▼

<a href="#">Finland</a>	0.1418
<a href="#">Latvia</a>	0.1066
<a href="#">Serbia</a>	0.1042
<a href="#">Estonia</a>	0.0960
<a href="#">Slovenia</a>	0.0959
<a href="#">Croatia</a>	0.0957
<a href="#">Austria</a>	0.0940
<a href="#">Belgium</a>	0.0935
<a href="#">Bulgaria</a>	0.0918
<a href="#">Luxembourg</a>	0.0901



# Põhinäitajad: Tööstus

▼ **Industry**

- Energy saving rate
- Energy intensity
  - Industry
  - Manufacturing
  - Chemicals
  - EU structure
- Specific consumption
  - Steel
  - Cement
  - Paper and pulp

▶ Transport

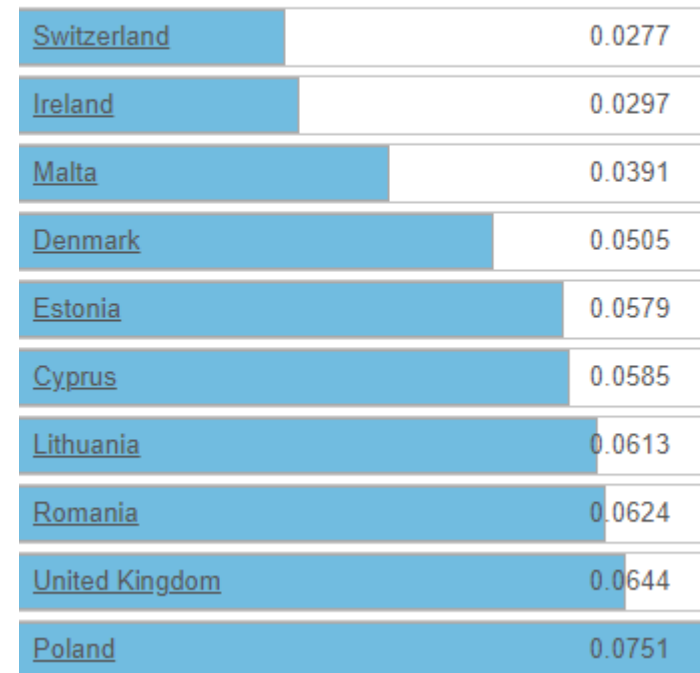
▶ Households

▶ Services

Year: 2019

Unit: koe/EUR2010p

LOWEST TEN ▲





# Transport/ühistranspordi osakaal %

## Transport

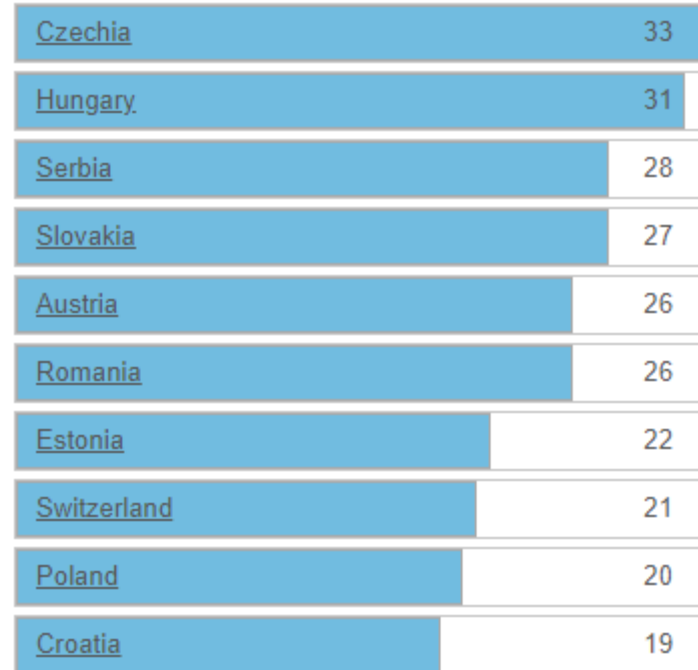
- Energy saving rate
- Specific consumption by mode
  - Road
  - Freight
  - Passenger
  - Air
- Car efficiency
  - Fleet (goe/pkm)
  - Fleet (l/100km)
  - New cars
- LDV efficiency
  - Fleet
  - New LDV
- Modal split
  - Freight
  - Public transport

Last update : August 2021

Year: 2019

Unit: %

HIGHEST TEN ▾





# Kodumajapidamised/energiatarve m2 kohta

## Households

- Energy saving rate
- Consumption per dwelling
  - Normal climate
  - EU climate
  - Specific electricity
- Heating
  - Per dwelling
  - Per m<sup>2</sup> (normal climate)
  - Per m<sup>2</sup> (EU climate)

Year: 2019

Unit: koe/m<sup>2</sup>

HIGHEST TEN ▾

<a href="#">Latvia</a>	15.507
<a href="#">Hungary</a>	15.049
<a href="#">Czechia</a>	14.715
<a href="#">Estonia</a>	14.645
<a href="#">Romania</a>	14.522
<a href="#">Austria</a>	13.686
<a href="#">Luxembourg</a>	13.651
<a href="#">Poland</a>	13.460
<a href="#">Croatia</a>	12.934
<a href="#">Slovenia</a>	11.413





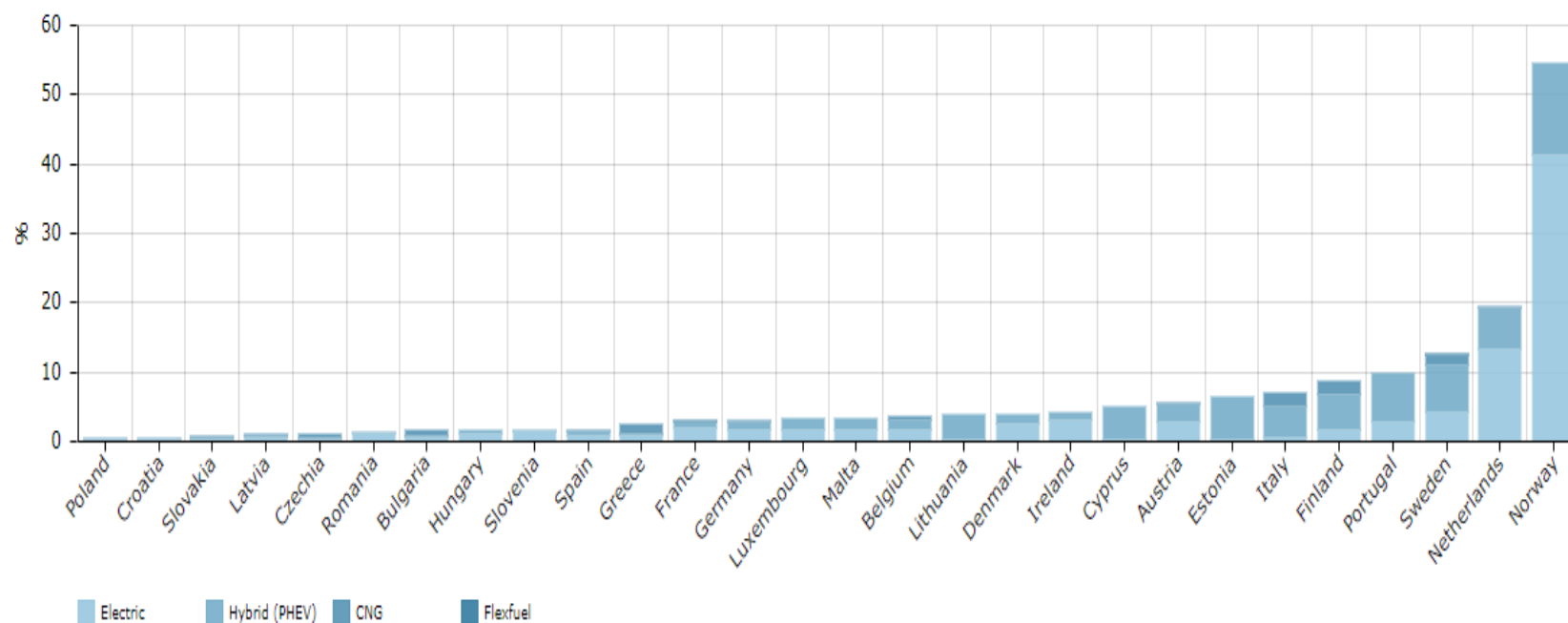
# Teenindus sektor, energiamahukus





## MARKET DIFFUSION: Osakaal turul näide: Alternatiivkütuseid tarbivate autode osakaal,%

SHARE OF ALTERNATIVE FUEL CARS IN TOTAL ANNUAL SALES - 2019

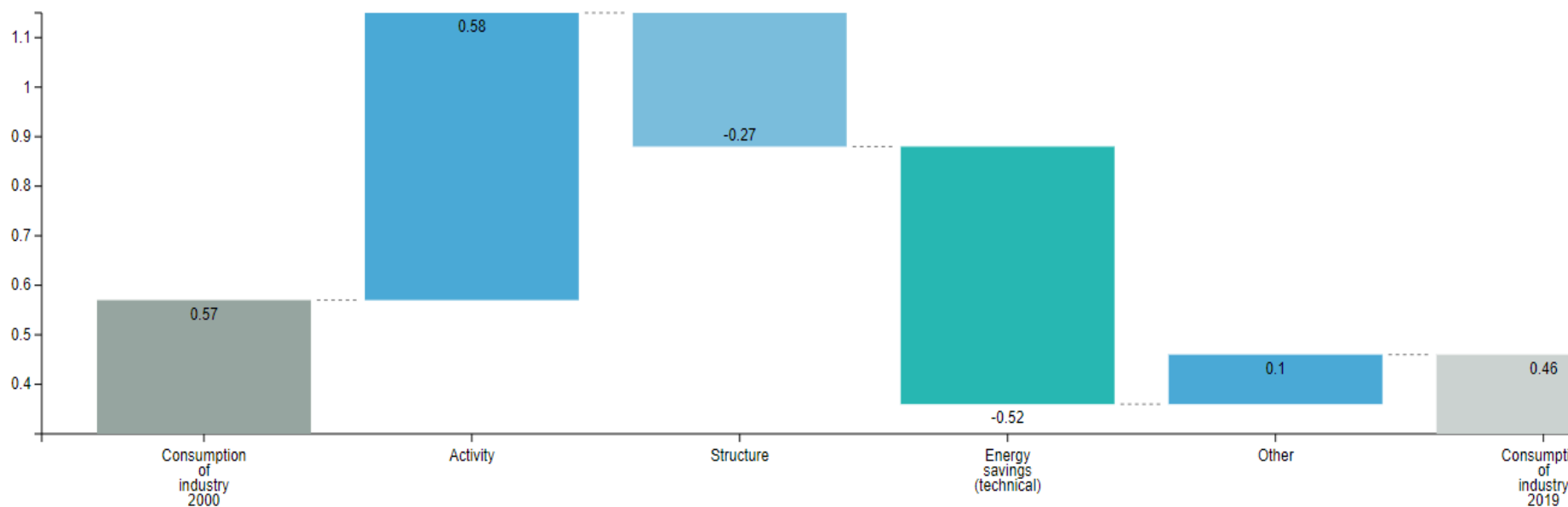




# Dekompositsioon

Selle tööriista eesmärk on selgitada energia-  
tarbimise varieerumist teatud ajavahemiku jooksul,  
jaotades selle erinevateks selgitavateks mõjudeks,  
mille hulgas kõige olulisemad on majandustegevus  
ja energiasääst. Muud mõjud sõltuvad sektorist (nt  
elustiili muutused, struktuurimuutused).

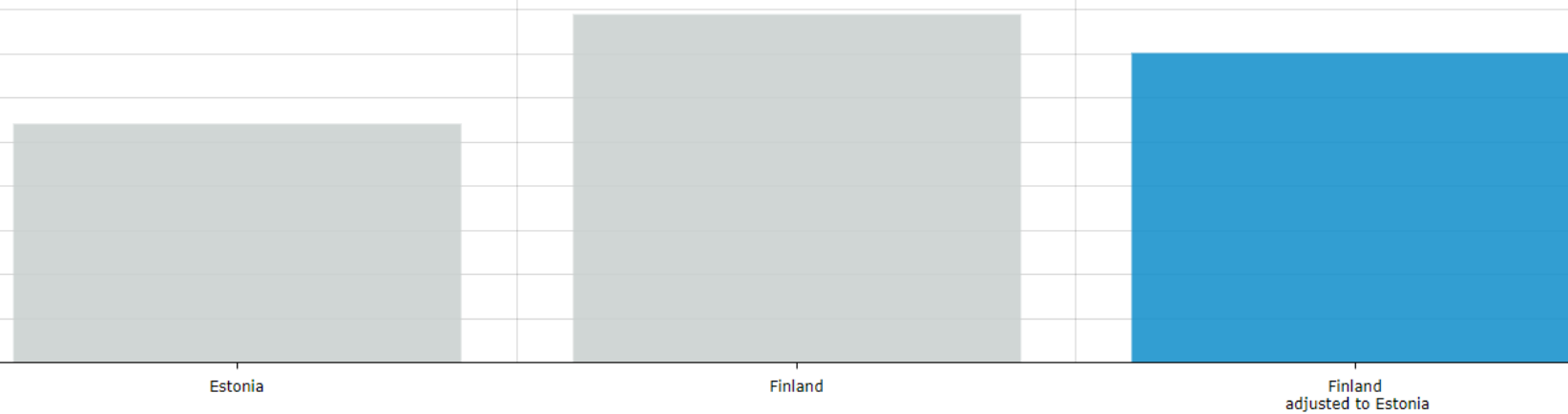
VARIATION INDUSTRY CONSUMPTION  
ESTONIA  
MTOE (2000-2019)





# Võrdlus / Comparison

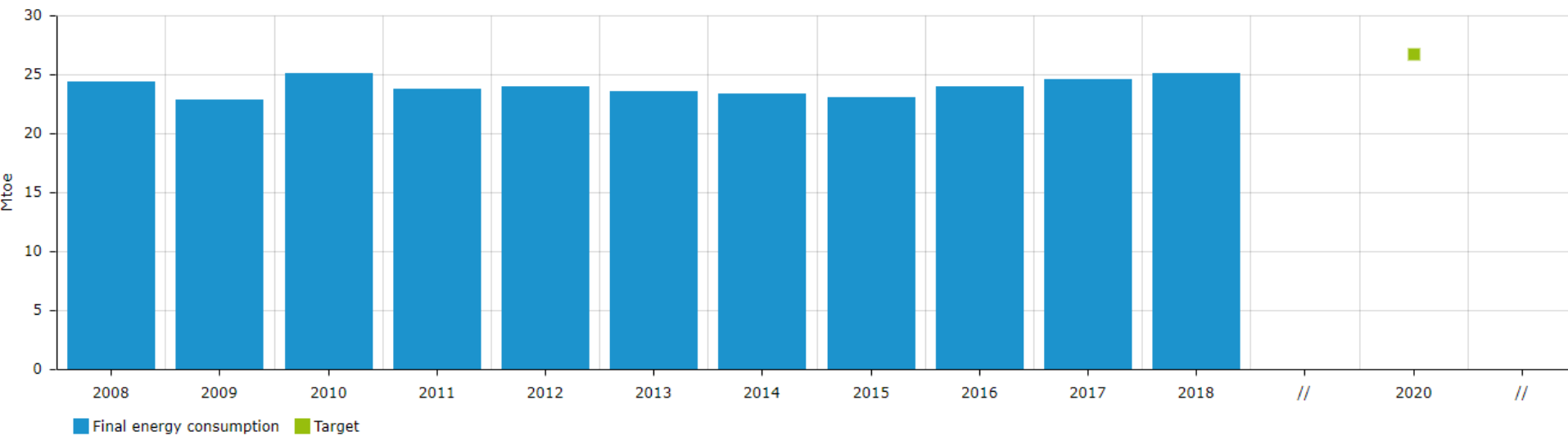
CONSUMPTION PER EMPLOYEE ADJUSTED TO CLIMATE (2019)





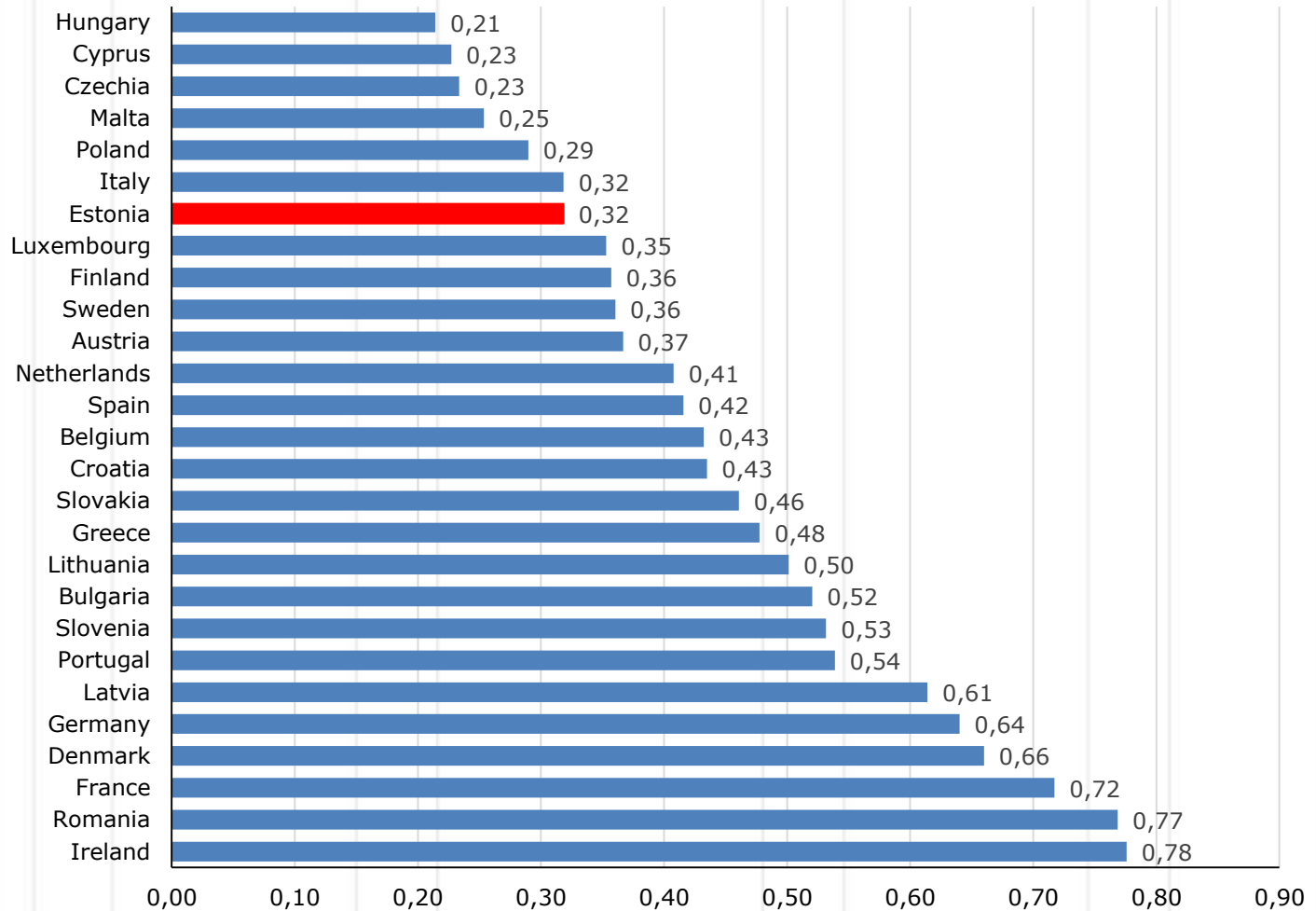
# Energy saving tool: trends, targets

FINAL ENERGY CONSUMPTION: TRENDS, TARGETS AND PROJECTIONS - FINLAND





# OVERALL ENERGY EFFICIENCY SCORE



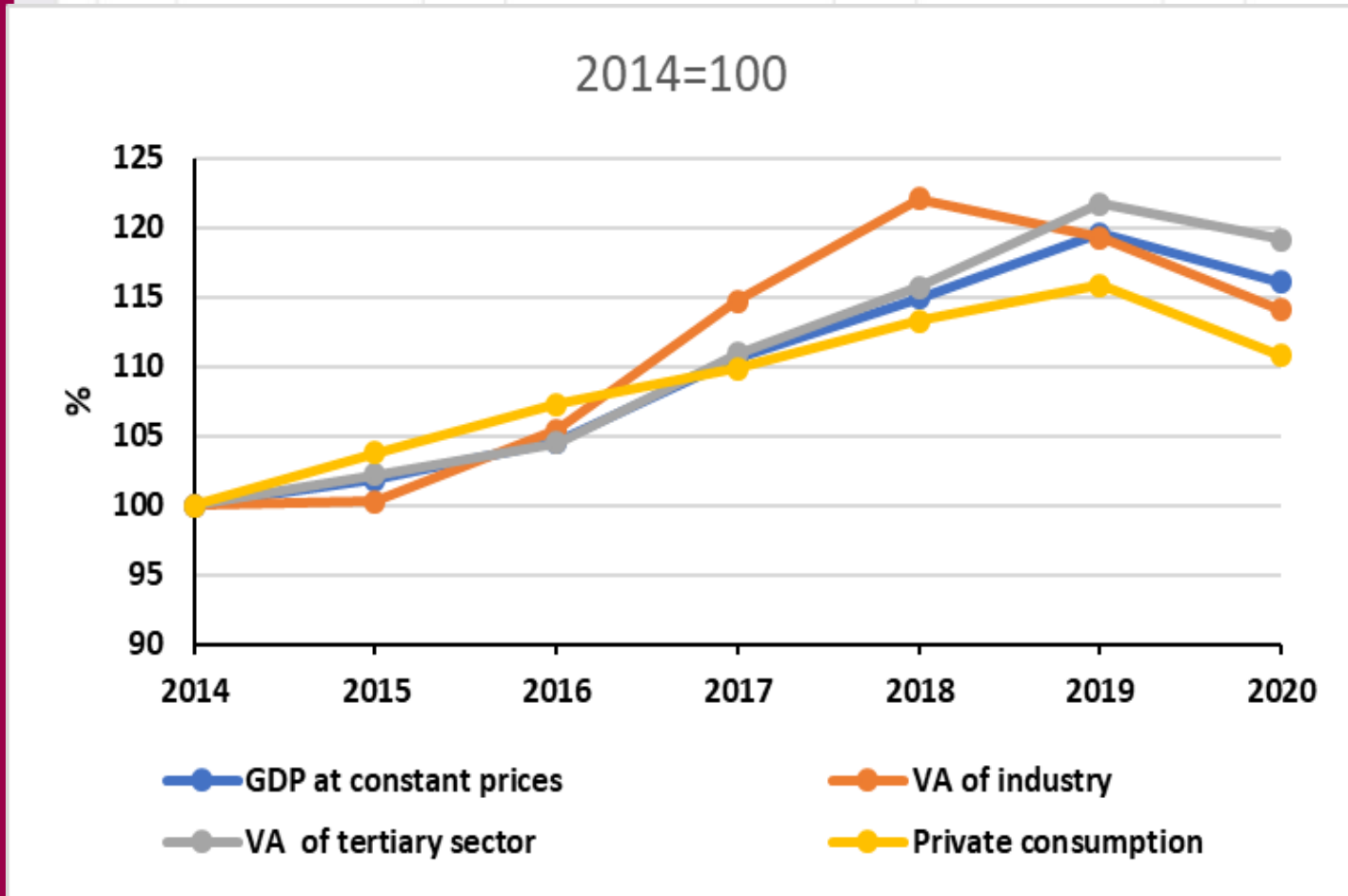


# Energiatõhususe indikaatorite eesmärk

- riiklikul ja rahvusvahelisel tasandil seatud eesmärkide **seire** energiatõhususe ja CO<sub>2</sub> vähendamise programmide raames.
- energiatõhususe poliitika ja programmide **hindamine**. Energiatõhususprogrammide rakendamise eest vastutavad ministriumid peavad korrapäraselt hindama oma tegevust ja raha, mida on kulutatud nende programmide toetamiseks.
- **tulevaste meetmete kavandamine**, sealhulgas T&A programmid
- ja lõpuks **riikidevahelised võrdlused**, mis on kliimamuutuste alaste rahvusvaheliste läbirääkimistega seotud oluline küsimus.



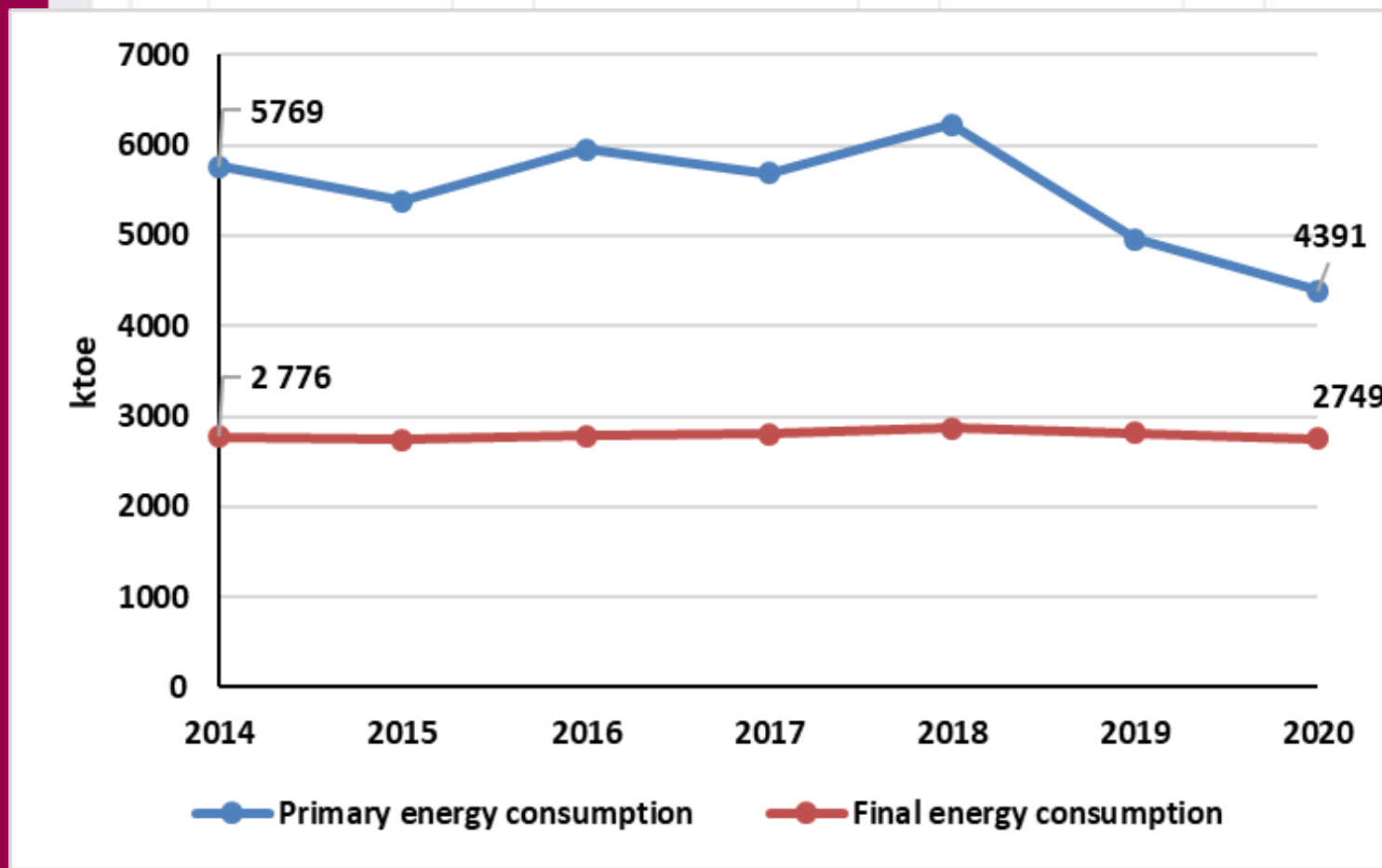
# Makromajanduslikud näitajad





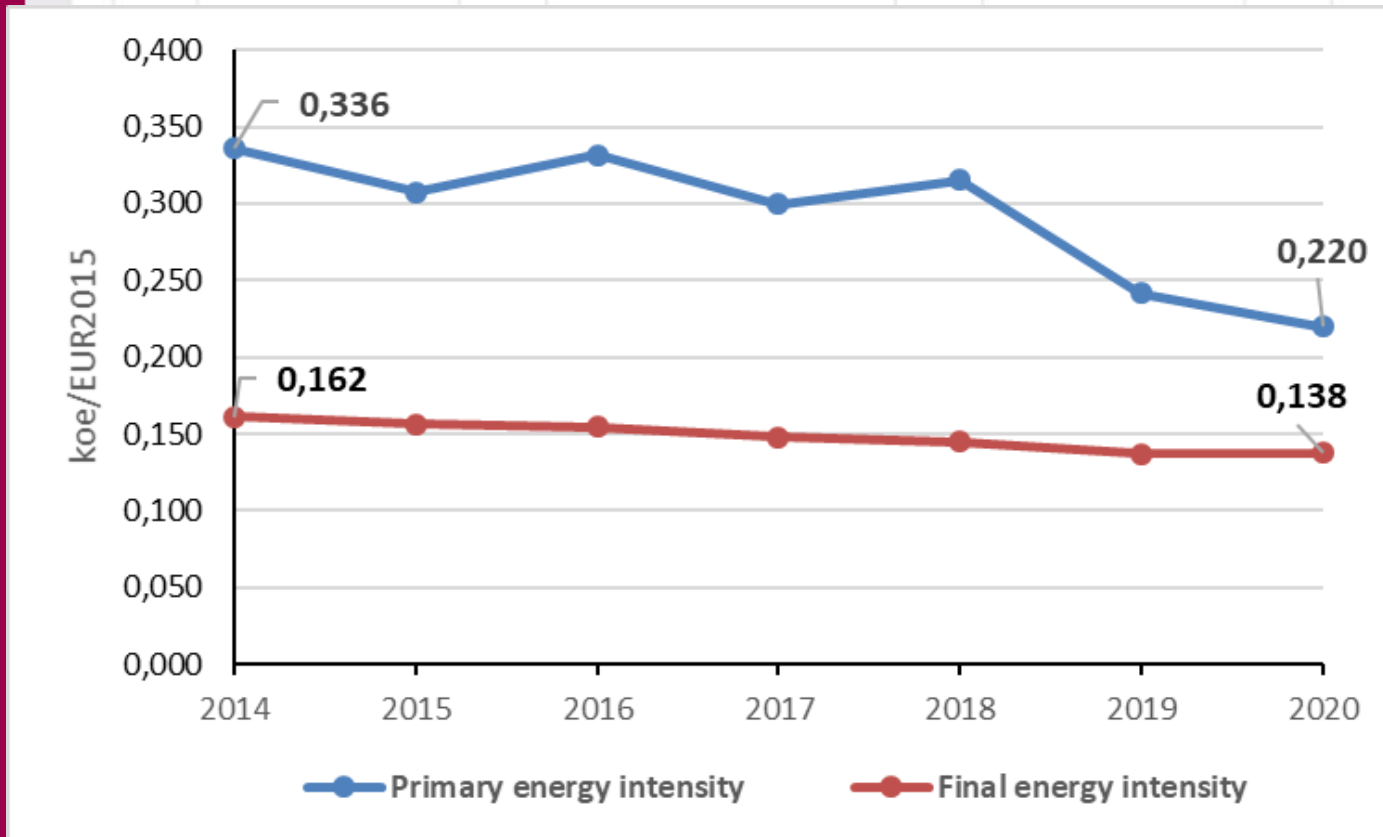


# Primaar- ja lõppenergia tarbimine





# Energiatõhususe arengutrendid



*Energiatõhusus: Energiatarbimine / SKT püsihindades antud aastal*



# ODYSSEE-MURE

- [Suur tänu kuulamast!](#)
- <http://www.indicators.odyssee-mure.eu/>

ODYSSEE-MURE

**TAL  
TECH**