

# Energy Efficiency and the role of the regulator – the Austrian case

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# Tasks of the NRAs according the EED

## (Article 27 in EED III)

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- **Network Tariffs and Incentives:**

- Ensure that network tariffs and regulations promote energy efficiency

- **Energy Savings:**

- Receipt and management of reports on measures from transmission and distribution system operators and the expected energy savings from reduced network losses

- **Reporting:**

- Publish a specific section in the annual report according to Article 41 of Directive 2009/73/EC, documenting progress in energy efficiency of the gas and electricity infrastructure

- **Incentive Systems:**

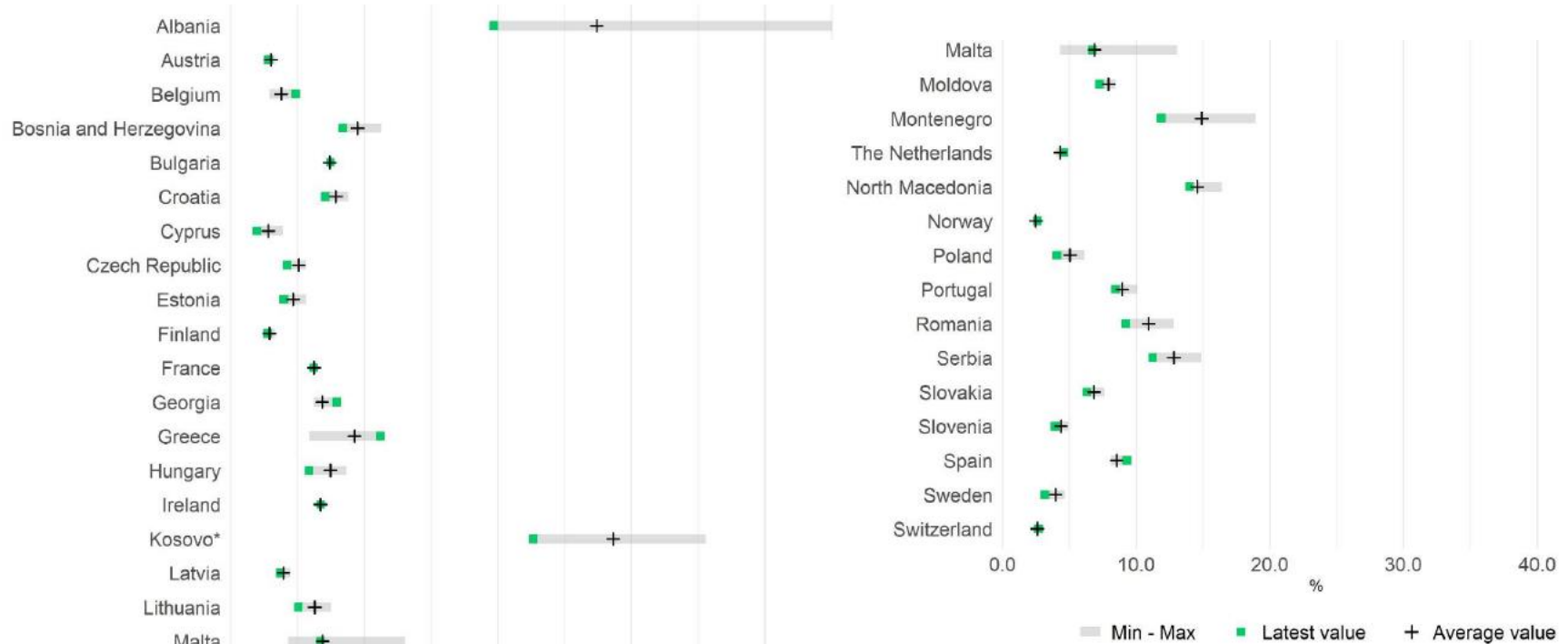
- Eliminate incentives that can negatively impact energy efficiency in electricity and gas generation, transmission, distribution, and supply

- **Consideration of the Principle: "Energy Efficiency First":**

- Infrastructure Expansion: Monitoring the application of the principle in the context of scenario building for energy infrastructure expansion
- Regulatory Tasks: Ensure energy efficiency in decisions and network tariffs

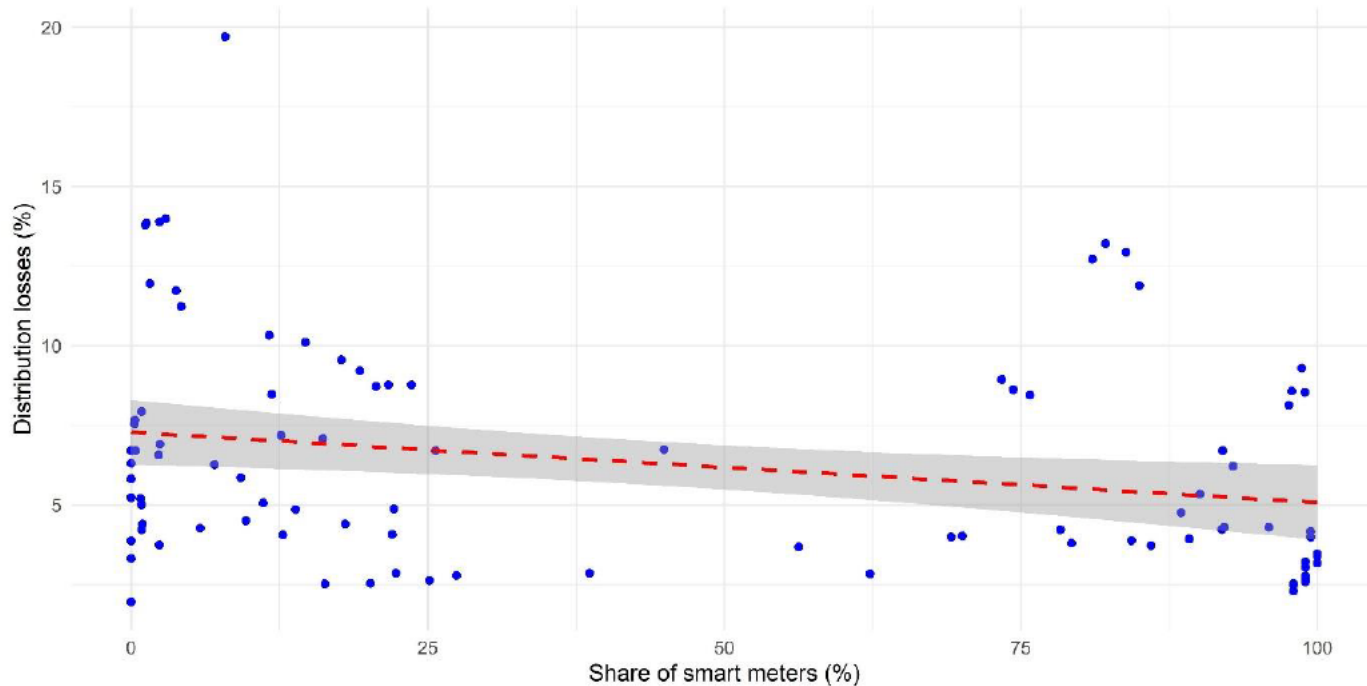
# Total losses as a percentage of injected electricity

(Source: CEER)

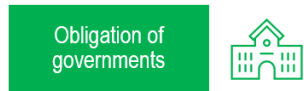
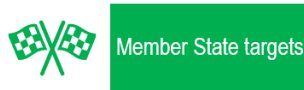


# Distribution losses as a function of Smart Meters

(Source: CEER)

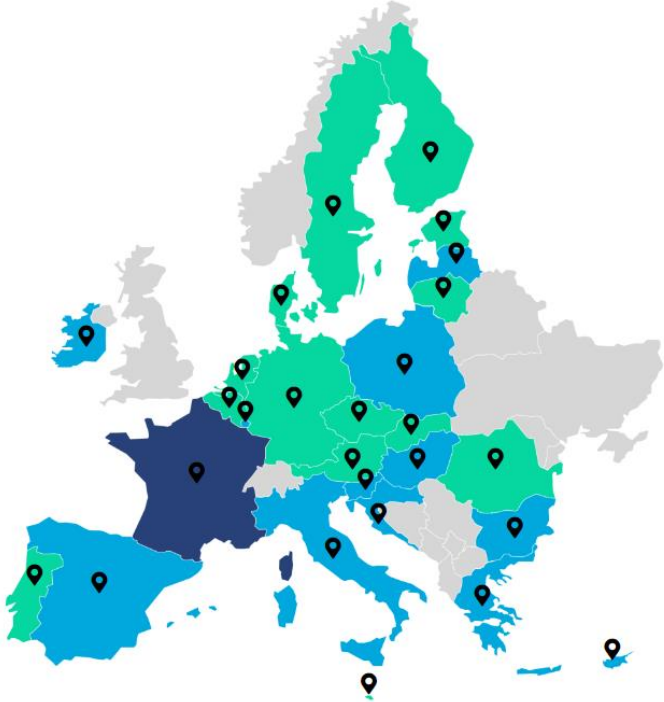


# Core elements of the EED III



- > Targets on primary and final energy consumption
- > Energy efficiency measures provided by government within alternative strategic measures (subsidiary schemes, energy tax, voluntary agreements)
- > Obligation for large companies
  - Energy audits every 4 years
  - Permanent Energy or Environmental Management System
- > Registration and qualification scheme for energy service provider
- > Reporting of sustainability indicators for large data centres
- > Installation of individual metering for heat, air conditioning and hot water
- > Progress reporting duties for member states
- > Implementation of Energy Efficiency First principle
- > Reducing energy poverty

# Implementation in Europe









Alternative measures only

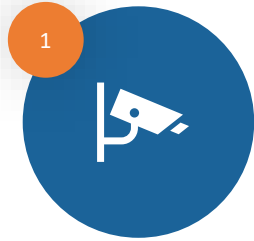
Energy efficiency obligations and alternative measures

Energy efficiency obligations only

# Obligations under the national energy efficiency act

	<b>Energy Supplier</b> <ul style="list-style-type: none"><li>→ Reporting of annual energy sales</li><li>→ Implementation of energy services (advice centers)</li></ul>		<b>Buildings with central heating, district heating/cooling</b> <ul style="list-style-type: none"><li>→ Implementation of individual metering</li><li>→ Enable remote reading of meters</li></ul>
	<b>Large Companies</b> <ul style="list-style-type: none"><li>→ Implementation of energy audits or Energy Management System</li><li>→ Standardized reporting of energy performance indicators every 4 years</li></ul>		<b>Federal institutions, authorities, agencies</b> <ul style="list-style-type: none"><li>→ Implementation of internal energy auditors</li><li>→ In total 3% energy savings by renovation</li><li>→ Implementation of alternative strategic measures</li></ul>
	<b>Energy Service Provider</b> <ul style="list-style-type: none"><li>→ Proof of qualification</li><li>→ Requalification every 5 years</li></ul>		

# Tasks and duties of the authority



## Surveillance of fulfilment

- National targets
- Accumulated energy savings
- Audits & EMS
- Obligations by energy suppliers



## Verification of data and information

- Energy efficiency measures
- Standardized reporting for audits and EMS
- Qualification and re-qualification of energy service companies
- Identification of obligated parties
- Etc.



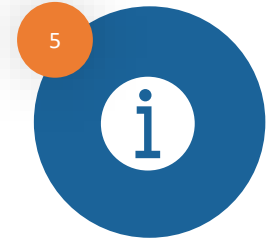
## Publications

- Digital List of qualified energy service companies
- Advice centres of energy suppliers
- Reporting of progress, targets, data, etc.
- Analysis
- Etc.



## Legal tasks

- Secondary legislation
- Official party position in case of legal proceedings
- Official legal notifications
- Etc.



## Further tasks

- Running a digital platform for all stakeholders
- Providing market information
- Observing energy service market
- Etc.



# Digital platform – the core instrument

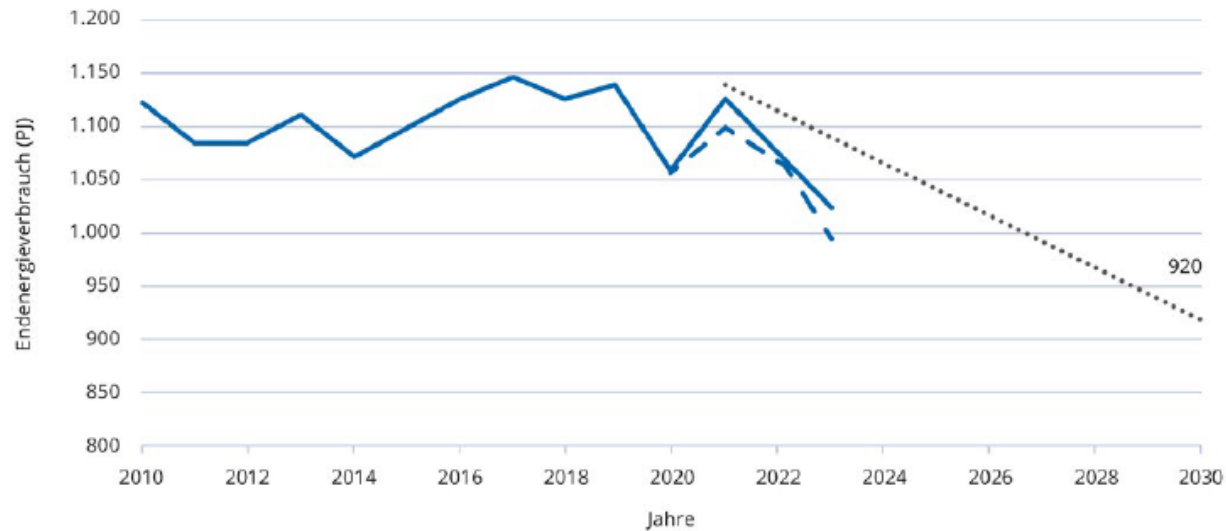
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The database is the central hub for

- **relevant market participants**
  - **obligatory elements and instruments**
  - **relevant data**
  - **reports and statistics**
  - **administrative issues** (decision procedures, court cases, etc.)
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- Authentication via electronic government
  - Assigning authorisation within the obligated organization
  - Protection of personal data and trade secrets

# Energy Efficiency – Progress in Austria

## ENDENERGIEVERBRAUCH ÖSTERREICH



Final Energy Demand

Linear target

Final Energy Demand  
(standardized)

Quellen: E-Control, Statistik Austria

# Thank You

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