



ODYSSEE-MURE fit for 55 (2022-2025)
First regional meeting, 24-25 April 2023, Zagreb

***Impacts of Energy efficiency measures which came up
through the crisis of Ukraine***

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Special issue (guest edited jointly with Johanna Cludius, Татьяна Курбатова)

Title: International policy responses to the energy crisis triggered by the Russian invasion of Ukraine: a global comparison of best practices

Journal: Energy Efficiency

**Please let us know if you are interested
in providing a manuscript or short
communication!**

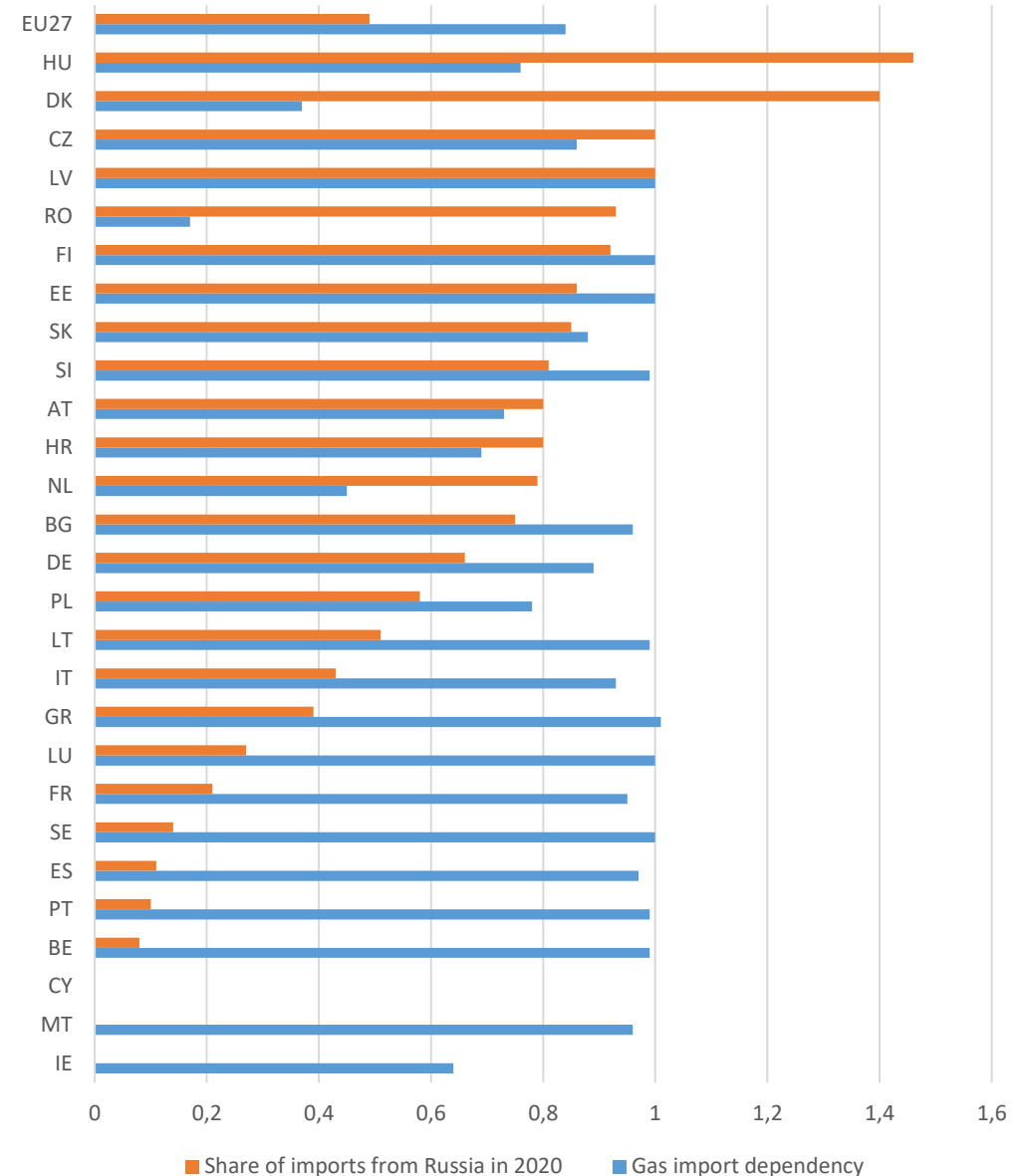
Types of Contribution:

- 1. Original research manuscripts** of max. 12000 words
- 2. Short communications as a country case-study** of max. 4000 words
- 3. Annexes** which will be basis for a comparison paper

Motivation

- Understand the **dependency** in energy from Russia
- Understand the **changes** in energy after the invasion:
 - For gas **importing** countries (see graph)
 - For LNG **exporting** countries (including US; Australia)
- Understand **policies and measures** which were introduced by countries as a reaction
- Understand the **impact** on households and industry
- Understand which **measures counteract** energy efficiency measures
- Guest editors will co-author a **full-length article** with the authors accepted annexes where the changes in energy profiles and policy responses are compared across countries.

Gas shares from Russia 2020



Annex Example (Austria)

Austria's energy profile

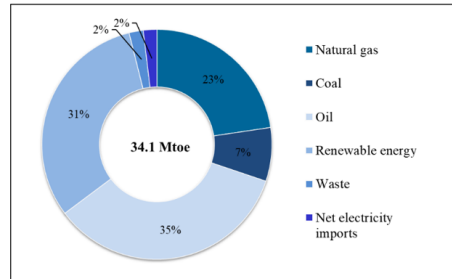


Figure 1 – Total primary energy supply in Austria in 2021, % [1]

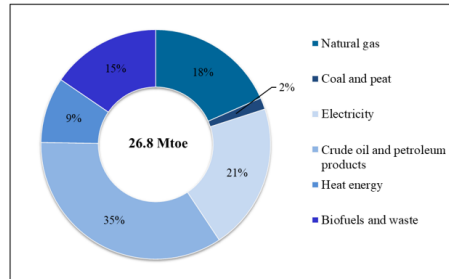


Figure 2 – Final energy consumption by fuel type in Austria in 2021, % [1]

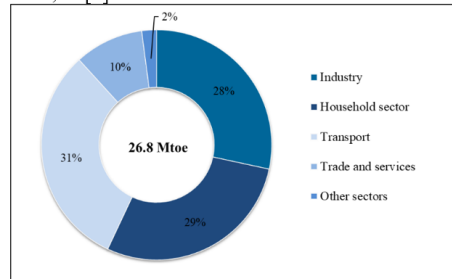


Figure 3 – Final energy consumption (excl. non-energy consumption) by sector in Austria, 2021, % [1]

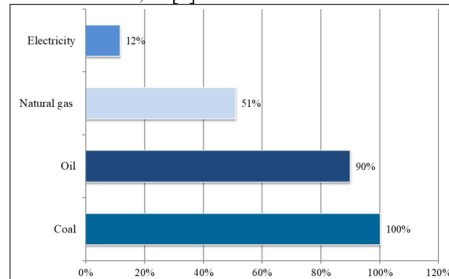


Figure 4 – Austria's dependence on import of energy resources, 2021, % of primary energy supply (natural gas, oil, coal) and % of final energy consumption (electricity) [1]

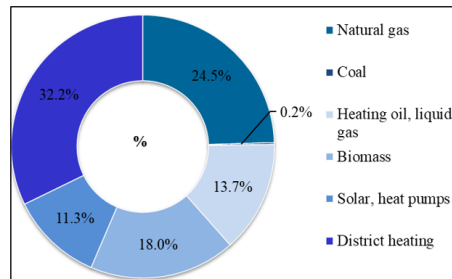


Figure 5 – Share of households of heating systems in Austria by fuel type in 2019/2020, % [2]

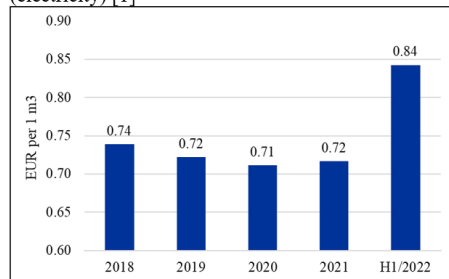


Figure 6 – Average price of natural gas for households in 2018-2022, EUR per 1 m3 including VAT [3]

Measures for diversification	<ul style="list-style-type: none"> Subsidies of the costs for the supply of non-Russian gas (max. 4.20 EUR/MWh) Subsidies for the use of non-Russian gas by companies Subsidies for the costs for the retrofitting of plants for electricity generation, heating and/or cooling, enabling the use of alternative energy sources
Measures for households and companies	<ul style="list-style-type: none"> Postponement of the introduction of national carbon pricing from July to October 2022 (applies also to other sectors not covered by the EU Emission Trading Scheme) Reductions in taxes, fees, and levies (reductions in excise duties on electricity and gas, suspension of renewable energy support payments)
Measures for households	<ul style="list-style-type: none"> Increase in level of lump-sum payment (Klimabonus) introduced as compensation for the introduction of the carbon price for 2022 Increase in heating cost/housing subsidies for low-income households Non-recurring lump-sum payments (Energiekostenausgleich [], Antiteuerungsbonus []) Increase in commuter subsidies Price ceiling on electricity prices of 10 Ct / kWh for a limited consumption of electricity (up to 2,900 kWh for 1- to 3-person-households, higher limits for larger households) Price reductions for and expansion of public transport Subsidies of energy efficiency measures
Measures in industry sector	<ul style="list-style-type: none"> Subsidies for increases in energy cost (primarily for electricity and natural gas) Subsidies for wind power, PV, innovative electricity generation and storage Subsidies for switching to decarbonized drives Compensation of indirect electricity cost increases due to the EU ETS Increase in advance payment for energy tax rebate
Other measures	<ul style="list-style-type: none"> Introduction of windfall profit taxes for energy companies ('Energiekrisenbeitrag Strom', 'Energiekrisenbeitrag Fossil') following Regulation (EU) 2022/1854 Introduction of tenders to ensure a reduction of electricity demand by at least 5% in peak times following Regulation (EU) 2022/1854 Obligation to replenish gas storage facilities

Countries so far covered by Annex

Covered countries	Missing countries
Australia	Croatia
Austria	European Union
Bulgaria	France
Czech Republic	Netherlands
Finland	Denmark
Germany	
Hungary	
Italy	
Norway	
Poland	
Romania	
Serbia	
Slovakia	
Slovenia	
Spain	
Switzerland	
UK	
Ukraine	
US	

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