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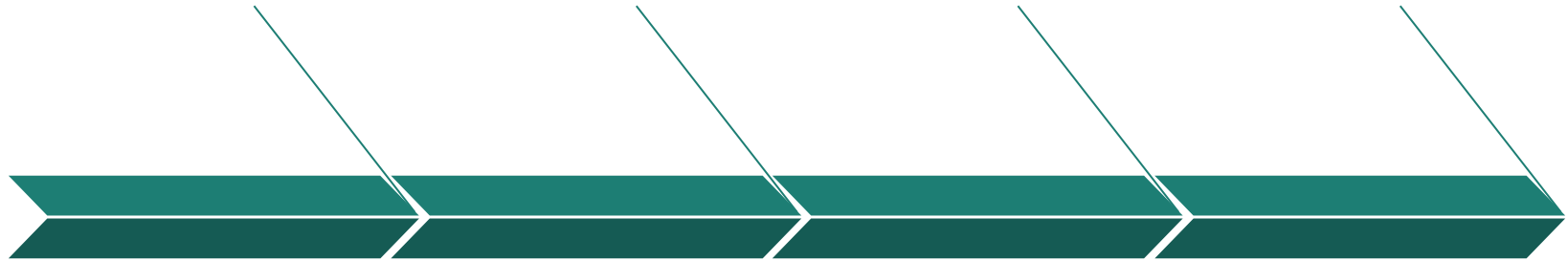


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IN PRAGUE

National Energy and Climate Plans:
Comparing Czech Republic and Austria
&
New Challenges Resulting from the Green Deal

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2023

Overview



Introduction

What is the Green Deal?

Austria

Challenges
Implementation

Czech Republic

Challenges
Implementation

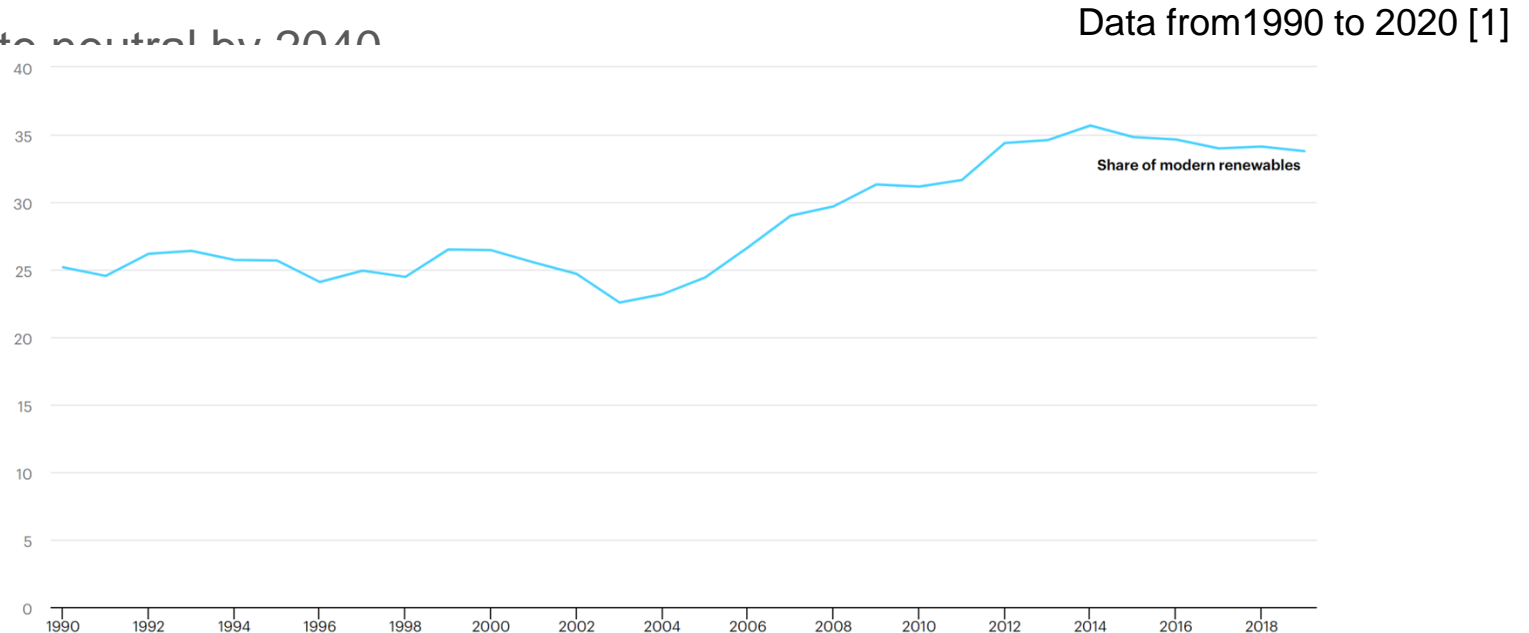
Comparison

Difficulties
Conclusion

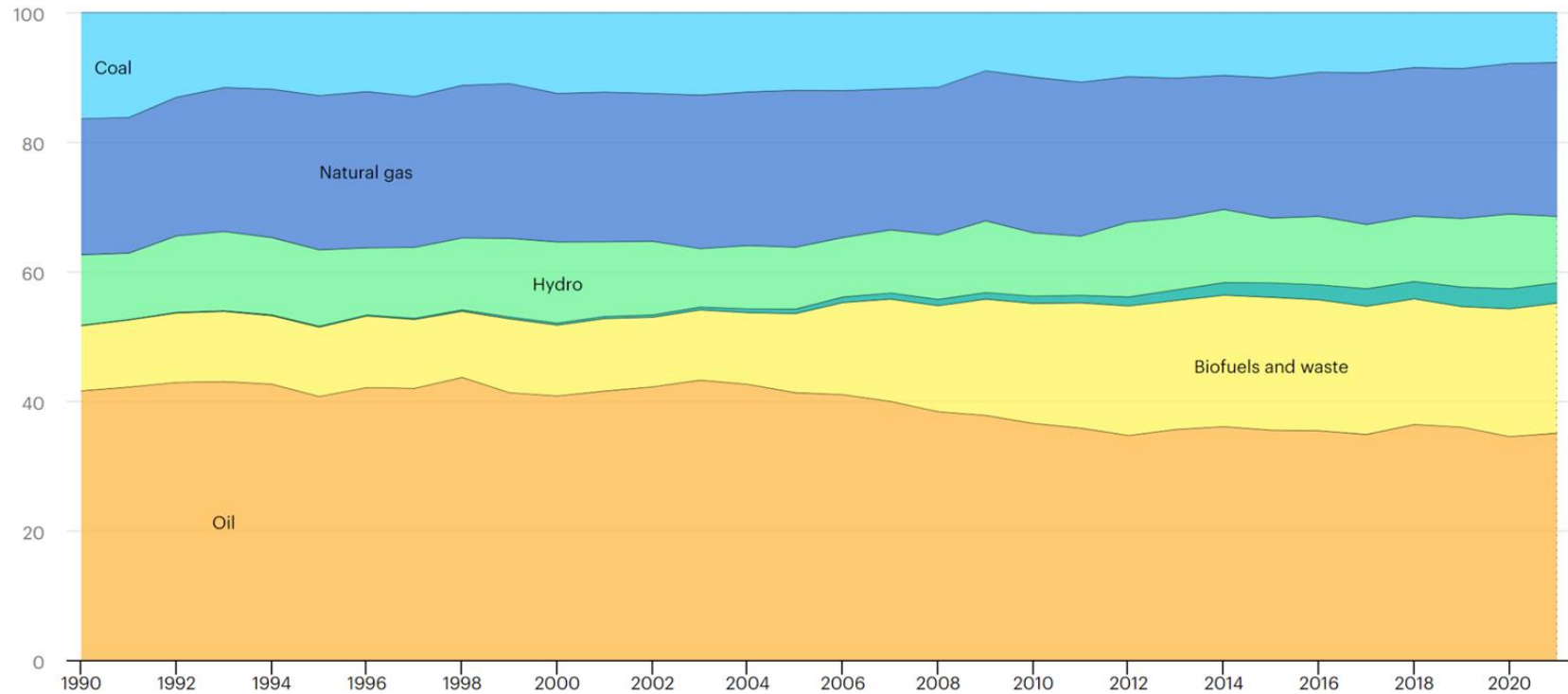
- making the EU climate neutral by 2050
- reduction by GHG-emissions by 55% by 2030
- sustainability, economic growth, provide a replicable model

Goals

- 100% RES by 2030
- climate neutral by 2040

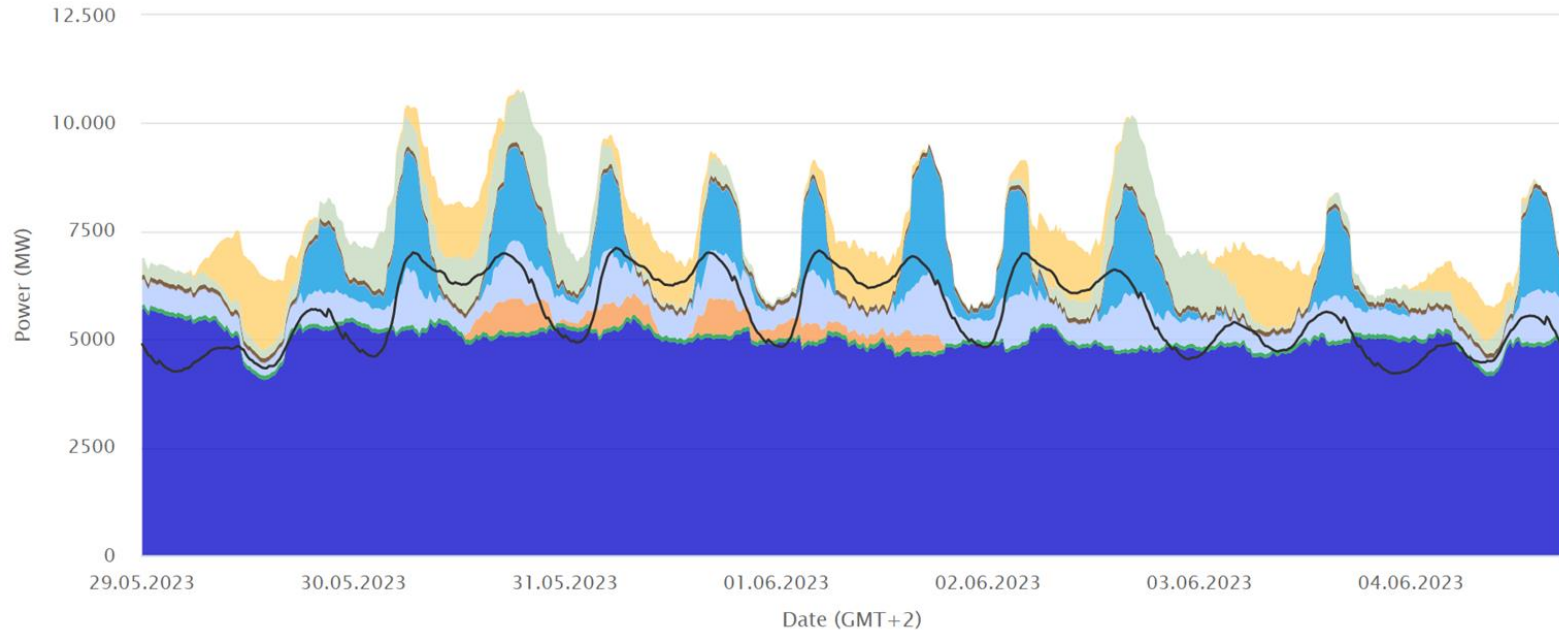


Total energy supply by source in %



Data from 1990-2020 [1]

Public net electricity generation in Austria in week 22



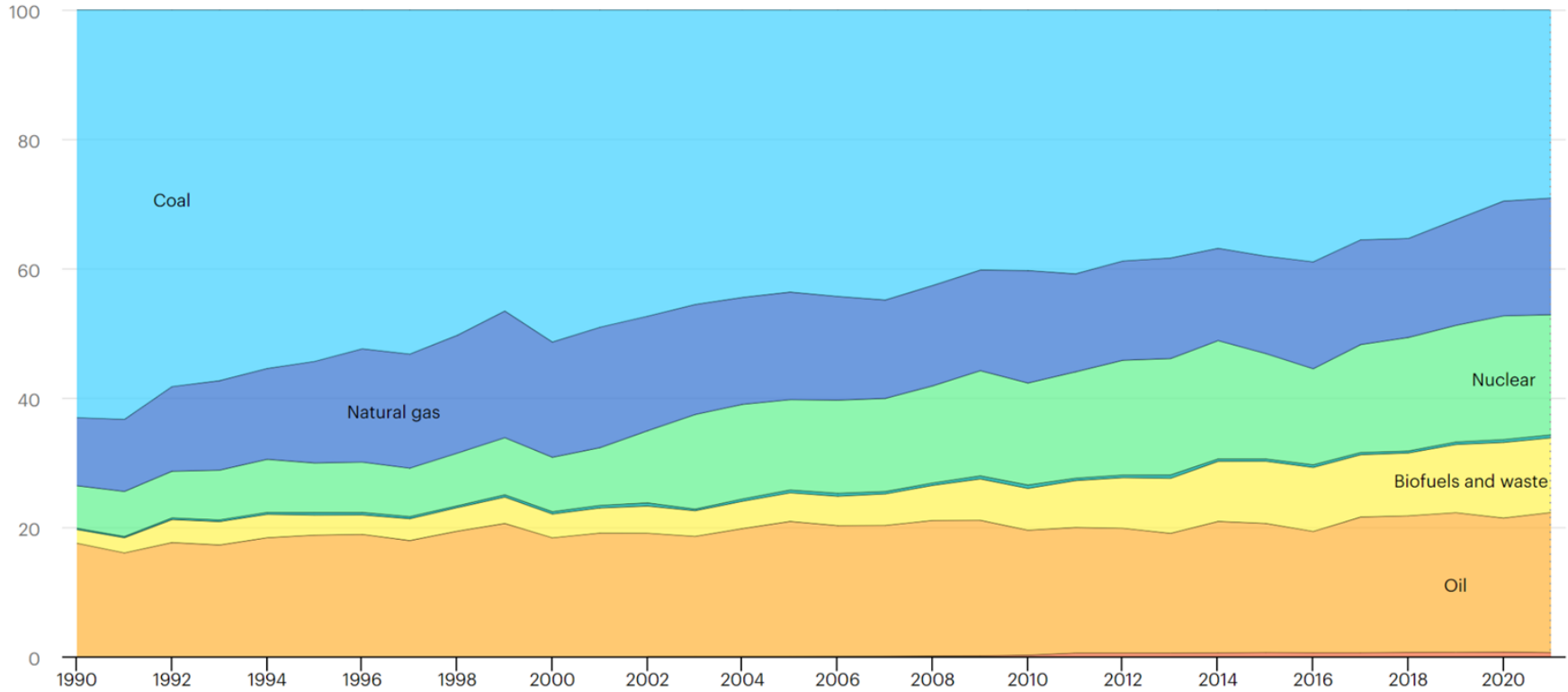
- Hydro pumped storage consumption
- Biomass
- Hydro water reservoir
- Waste
- Load
- Renewable share of load

- Import Balance
- Fossil gas
- Hydro pumped storage
- Wind onshore
- Residual load
- Day Ahead Auction (AT)

- Hydro Run-of-River
- Geothermal
- Others
- Solar
- Renewable share of generation

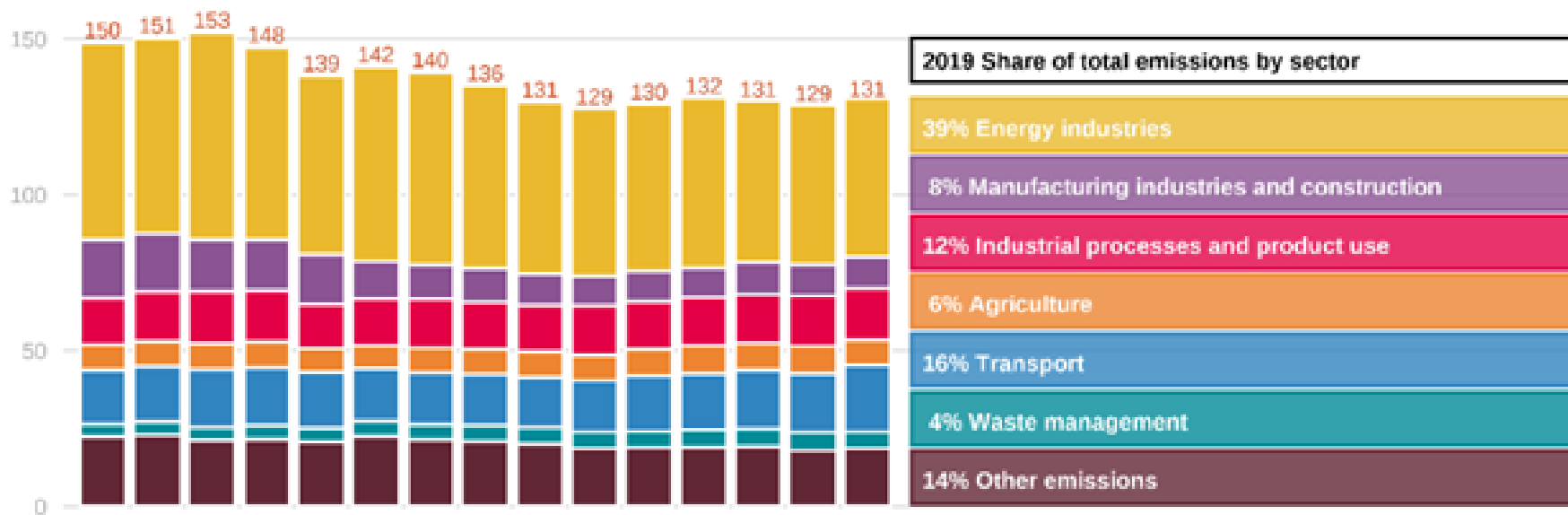
Data from week 22 [2]

Total energy supply by source in %



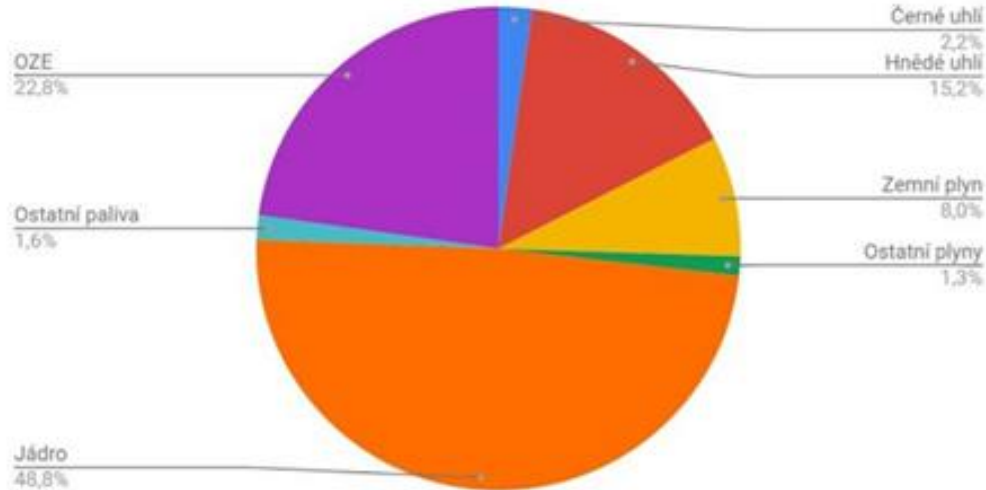
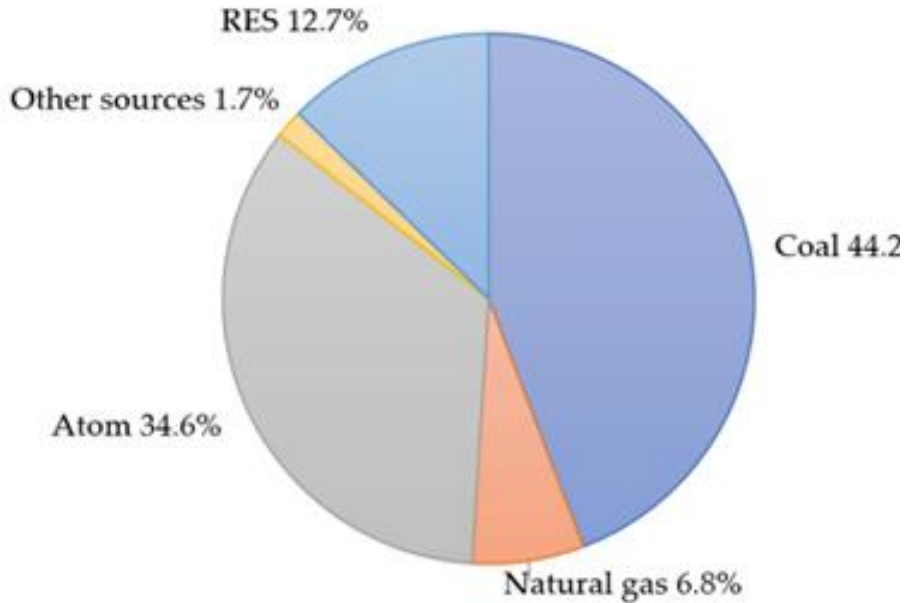
Data from 1990-2020 [1]

Economic Challenges



Greenhouse emissions by sector (2005-2019) [4]

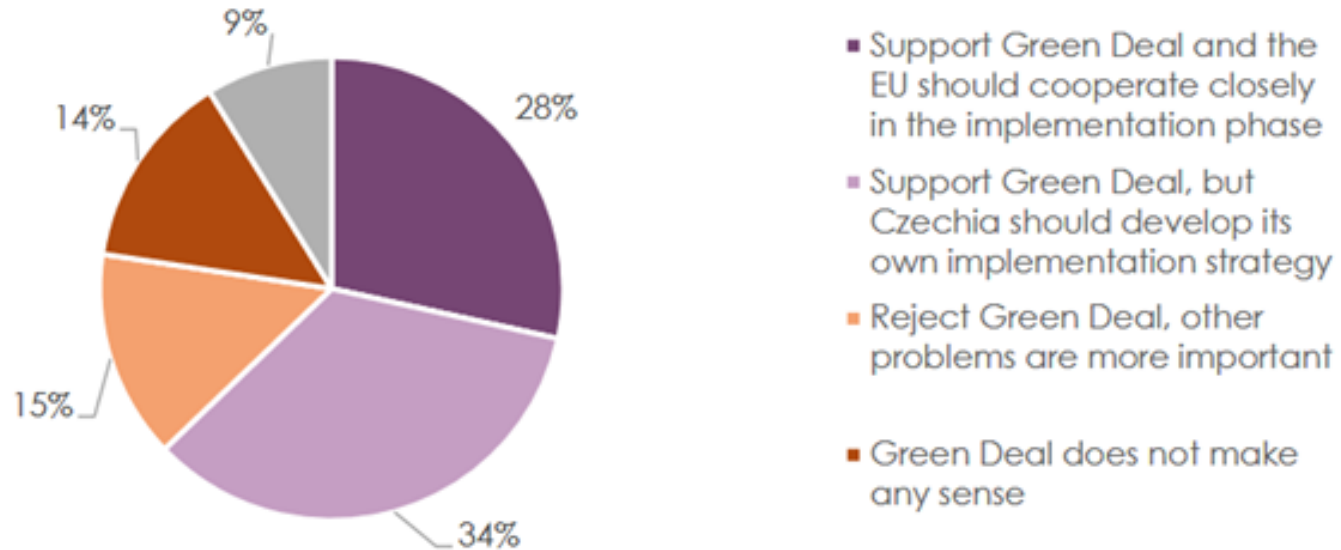
Reality vs. plans



Net electricity generation structure in the Czech Republic in 2019 [5] and Planned energy mix in 2040 [6]

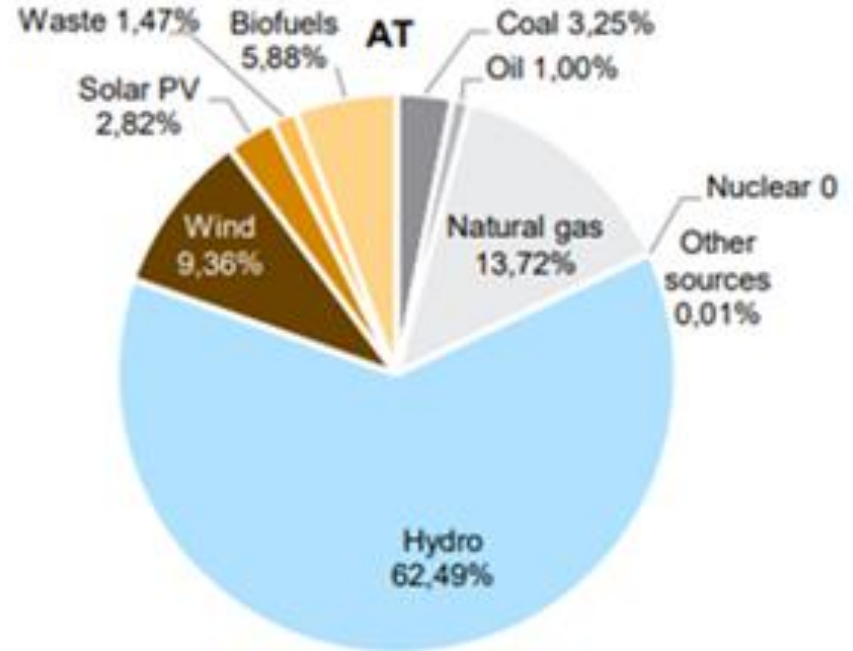
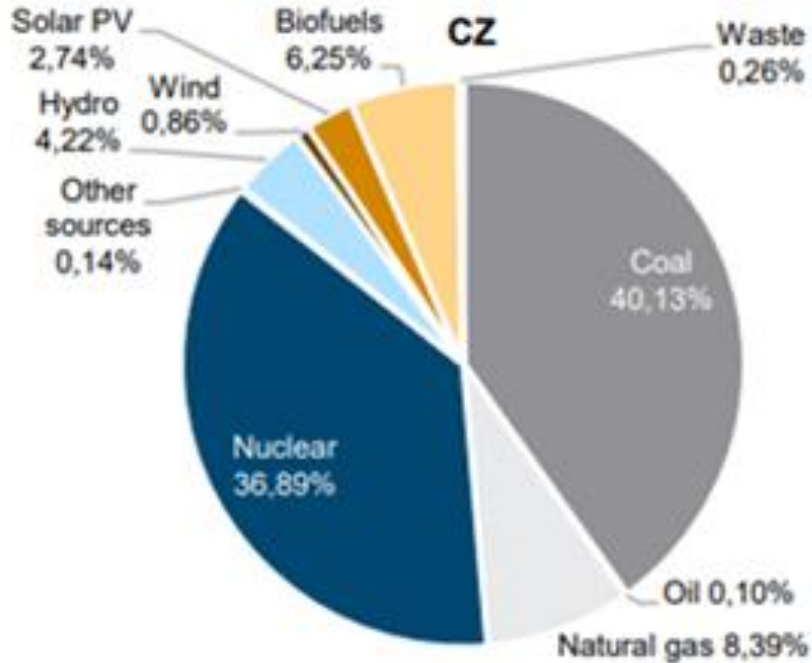
Social Challenges

Do you support the Green Deal?

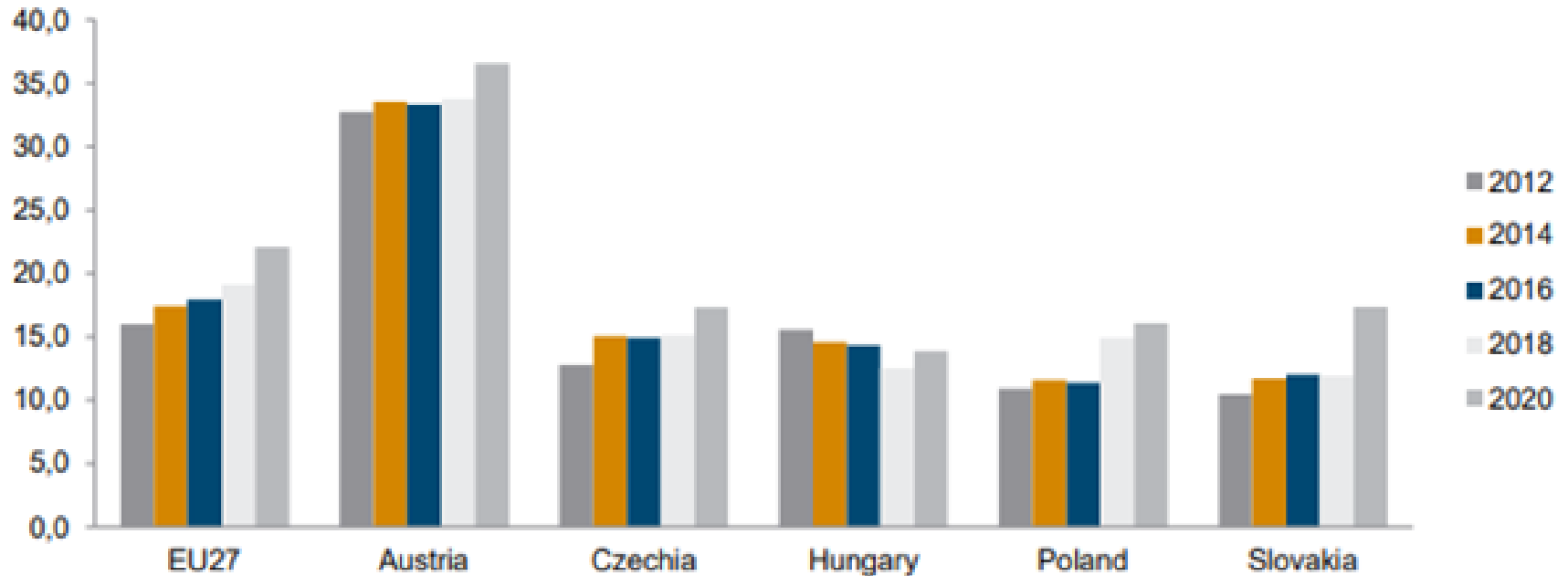


The support of the Green Deal [19]

Energy mix in CZ and AT



Renewable energy in %



Sources

[1] International Energy Agency: <https://www.iea.org/countries/czech-republic>

[2] Towards a Greener Visegrád Group: Page 10: 2023 https://www.energy-charts.info/charts/power/chart.htm?!=en&c=AT&interval=week&download-format=image%2Fpng&export_width=1280&legendItems=0001000000×lider=0&source=public&stacking=stacked_absolute_area

[16] Towards a Greener Visegrád Group: Page 10: 2023 [Towards a Greener Visegrád Group: Progress and Challenges in the Context of the European Green Deal \(wiiw.ac.at\)](#)

[3] Sth sth:

[4] State Energy Policy: https://www.mpo.cz/assets/en/energy/state-energy-policy/2017/11/State-Energy-Policy-2015_EN.pdf

[5] Analysis of the Possibility of Fulfilling the Paris Agreement by the Visegrad Group Countries.
https://www.researchgate.net/publication/353739549_Analysis_of_the_Possibility_of_Fulfilling_the_Paris_Agreement_by_the_Visegrad_Group_Countries

[6] State Energy Concept. <https://www.mpo.cz/en/energy/state-energy-policy/state-energy-policy--233258/>

[7] Czech Perception of the EU Climate Policy. <https://www.europeum.org/data/articles/green-deal-public-opinion-2020.pdf>

[8] Towards a Greener Visegrád Group: Page 10: 2023 [Towards a Greener Visegrád Group: Progress and Challenges in the Context of the European Green Deal \(wiiw.ac.at\)](#)