

# Welcome to the German Workshop!

Meeting Eisenberg – 30.01. – 03.02.2023



**Tipping points in the Earth's climate system and the importance of renewable energies in the fight against climate change**



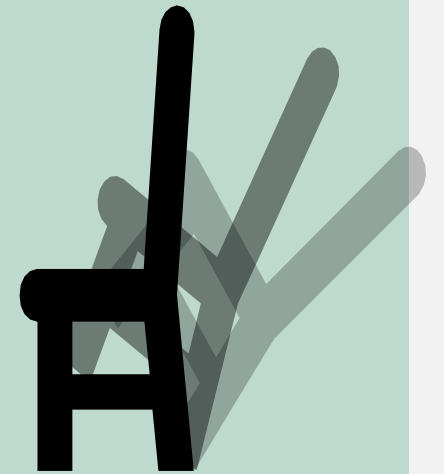
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# TIPPING POINTS: When the climate tips ...

When "tilting" with a chair, one can put oneself in a tilted position by pushing against a table. If you stop pushing against the table, you return to your starting position. But don't push off even a little bit too much ...

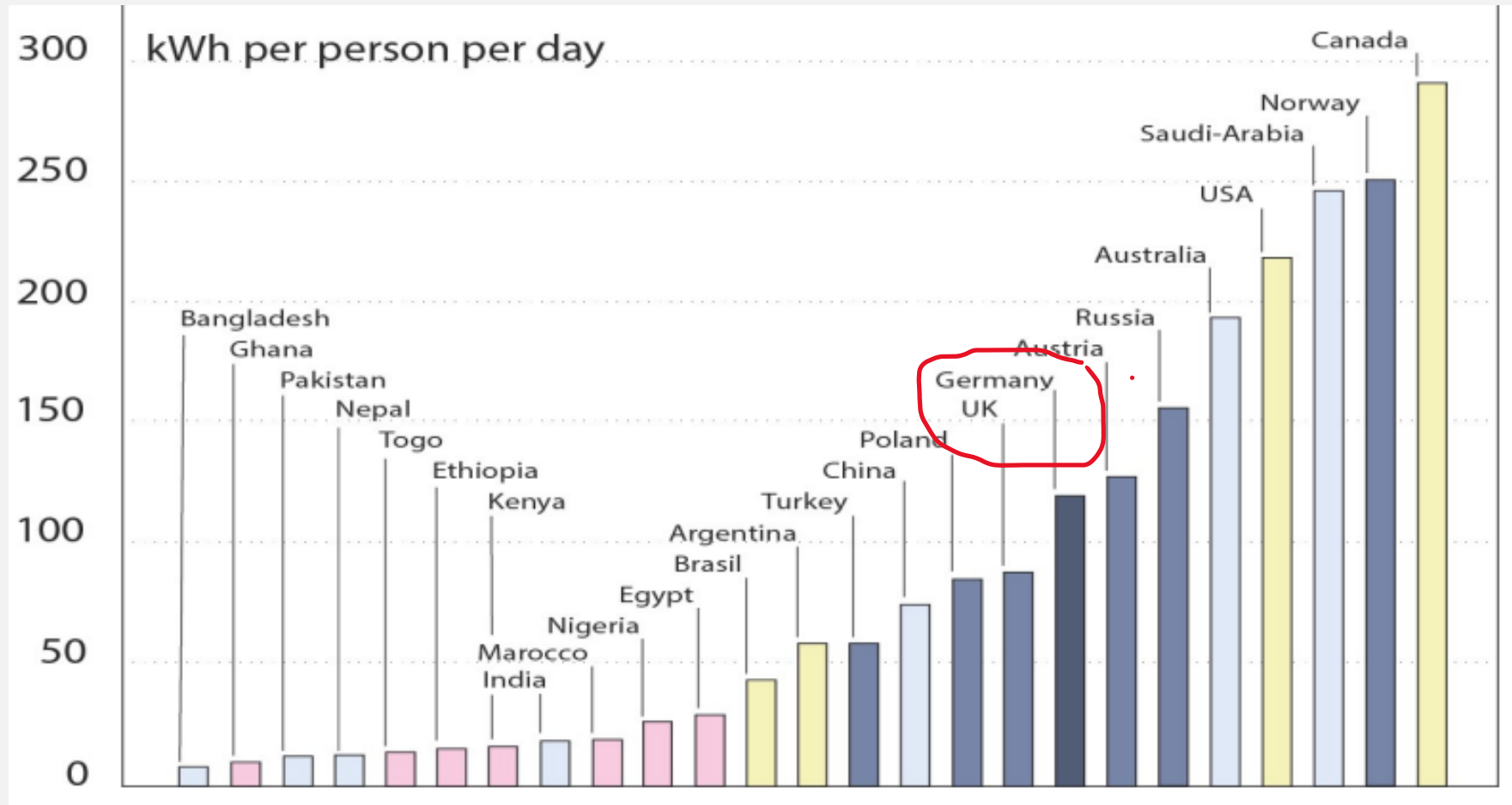
Unfortunately, the Earth's climate system behaves in a similar way, and could collapse irretrievably in the near future if even one gigatonne too many greenhouse gases are emitted.



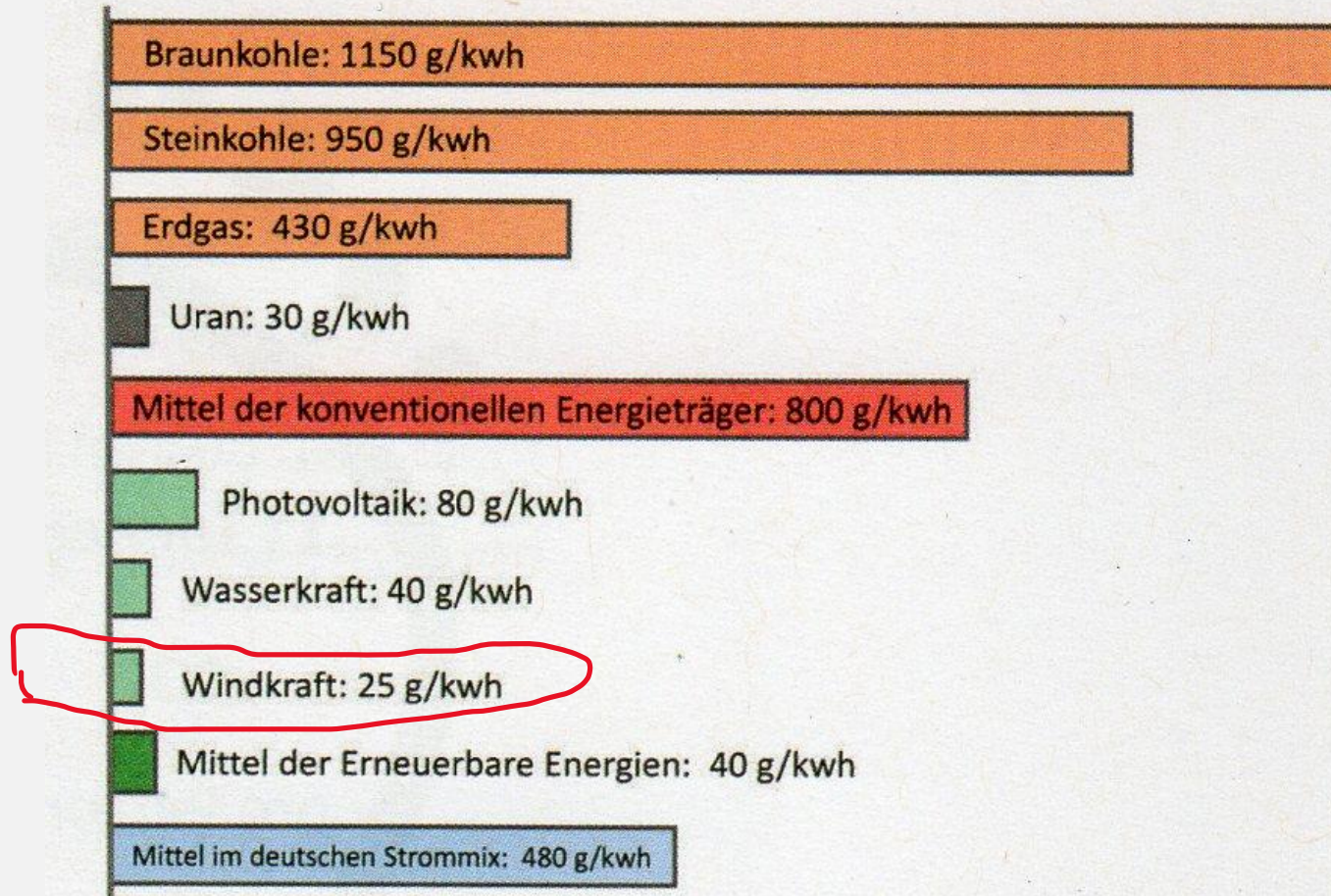
# What needs to be done in terms of energy consumption?

1. We must significantly reduce our energy demand and use energy efficiently!
2. The energy we use must not be based on the burning of fossil raw materials!
3. **Renewable energies and the energy transition are at the centre of the fight against climate change.**

# THE ENERGY CONSUMPTION PER PERSON AND DAY OF MANY COUNTRIES



# CO<sub>2</sub> emissions by energy source (as of 2017)



# *Model experiment on the tipping points in the Earth's*





THANK YOU FOR YOUR ATTENTION!

