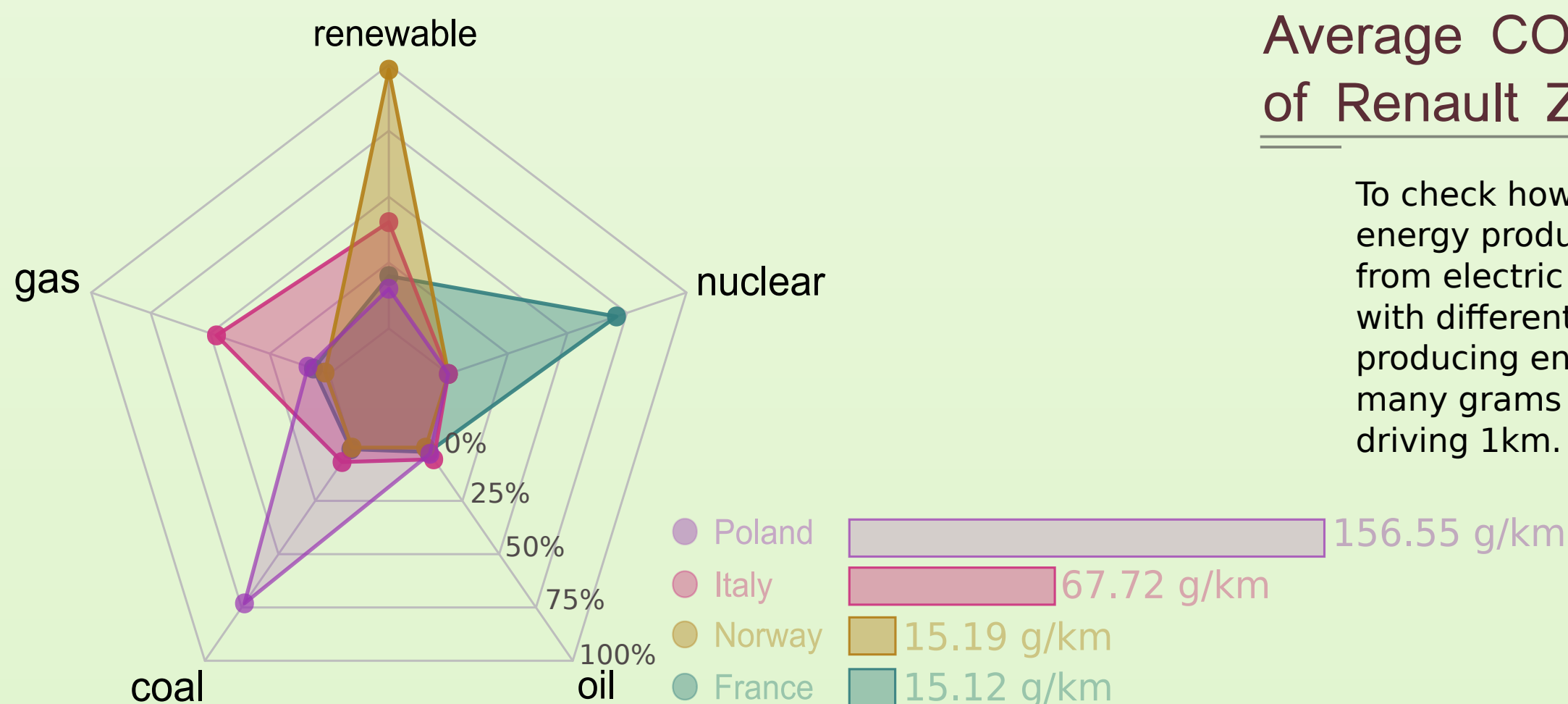




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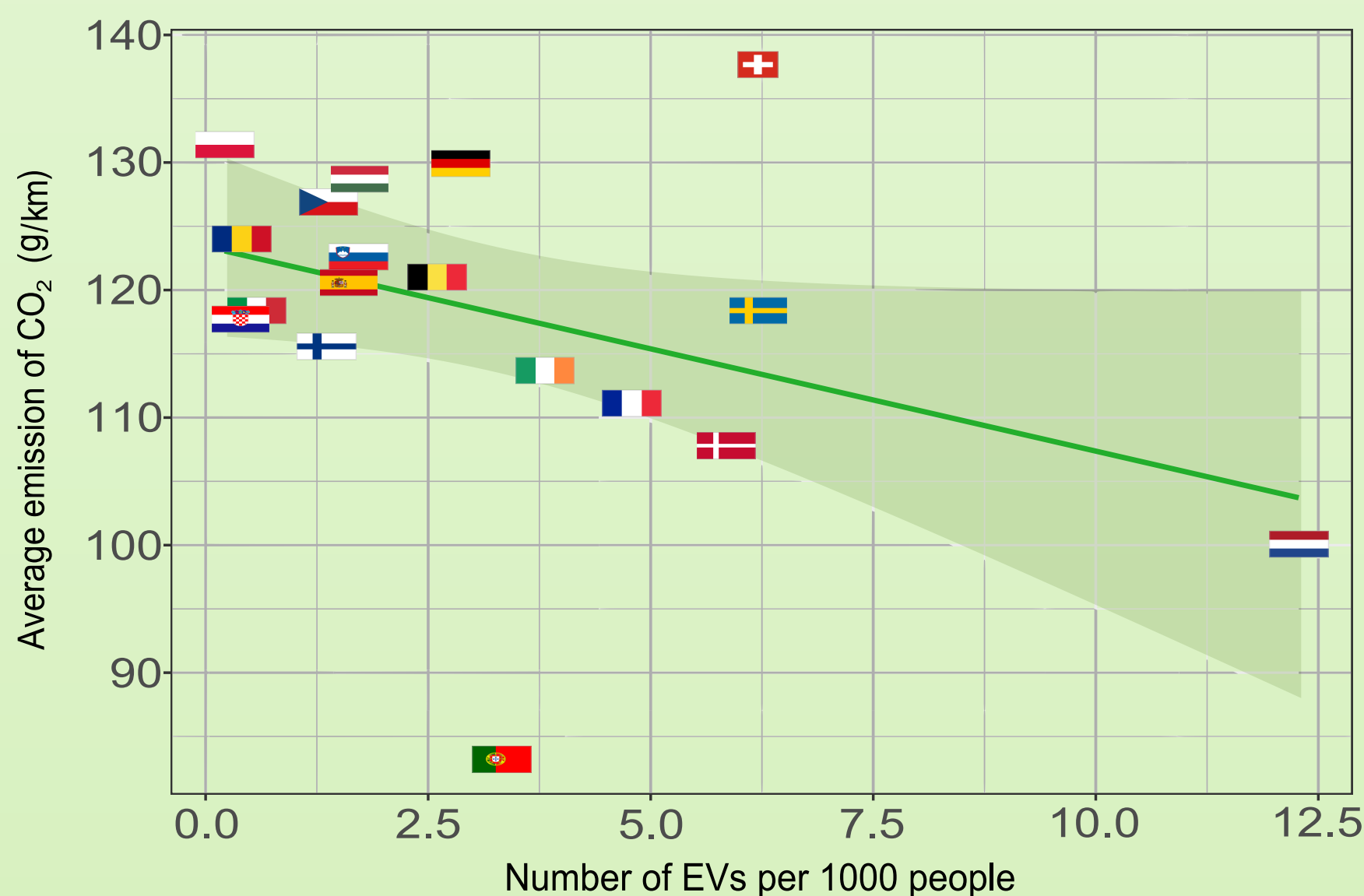
# Are Electric cars that Eco?

Study on in which countries electric vehicles really reduce CO<sub>2</sub> emissions



## Average CO<sub>2</sub> emissions of Renault Zoe by country

To check how different methods of energy production impact emissions from electric cars we chose 4 countries with different primary way of producing energy and calculated how many grams of CO<sub>2</sub> are produced by driving 1km.



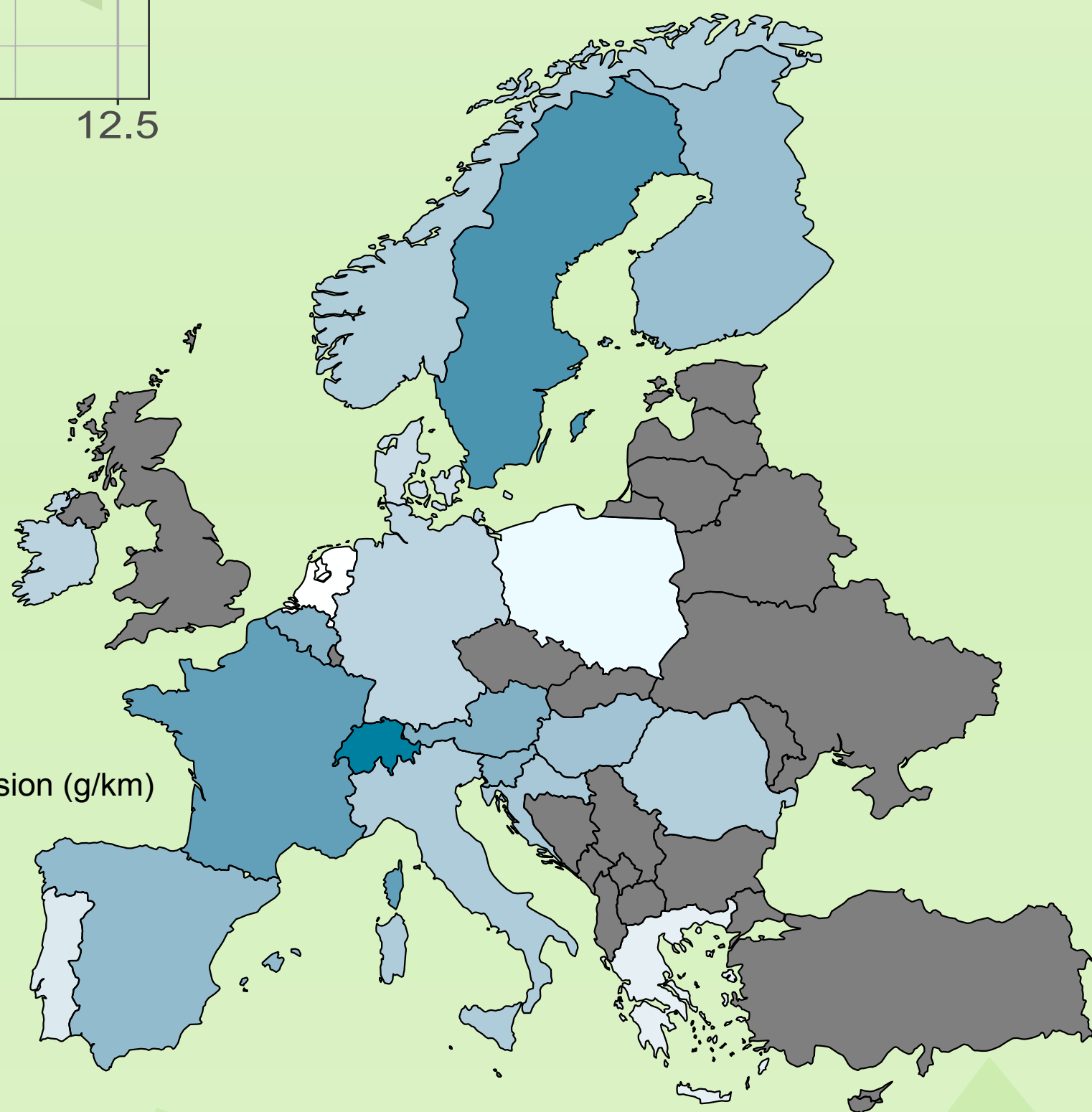
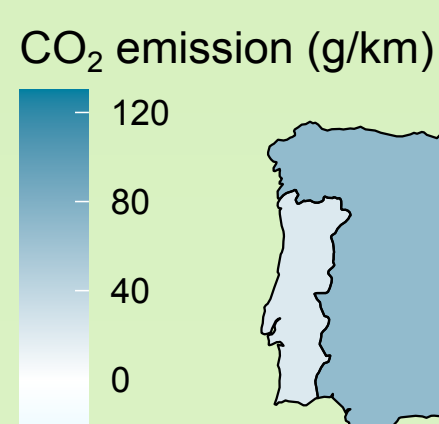
## Average CO<sub>2</sub> emissions of passenger cars by country

To further examine beneficiality of electric vehicles we compared average CO<sub>2</sub> emission of all types of cars and number of electric vehicles in each country. It's easy to observe that generally the more electric cars there are in a country, the less CO<sub>2</sub> is produced by all vehicles on average.

## Does an electric car pay off?

### The difference in CO<sub>2</sub> production of electric and internal combustion cars

In previous visualizations we showed that in some countries it's more beneficial to own an electric vehicle than in others. We calculated the difference of CO<sub>2</sub> production of an electric and combustion cars in each country. The bigger the difference, the bigger is the positive influence on environment of buying an electric car.



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**Data sources:**  
<https://ourworldindata.org>  
<https://ev-database.org/cheatsheet/energy-consumption-electric-car>  
<https://ec.europa.eu/eurostat/web/transport/data/database>