Climate survey - Country Comparisons

OFCD

U.S. (2,010 respondents), Denmark (2,011 respondents), France (2,001 respondents). Results are reweighted along the gender, age, income, highest diploma, region and rural/urban dimensions.

June 2021

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- Policy 1: A ban on combustion-engine Cars
- Policy 2: Green Infrastructure Program
- Policy 3: Carbon Tax with Cash Transfers
- **■** Comparison across the 3 Policies:
- Willingness to Pay
- International Burden-Sharing
- Trust and institutions
- **15** Feedback

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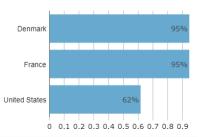
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Education and Origin

Figure 1: What is the highest level of education you have completed?

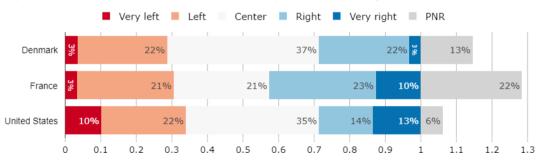


Figure 2: Respondent's origin is the dominant one in their country (US: white only; Other: national)



Political affiliation

Figure 3: On economic policy matters, where do you see yourself on the liberal/conservative spectrum?



Geography

Figure 4: Lives in an urban area, retrieved from zipcode

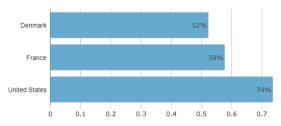
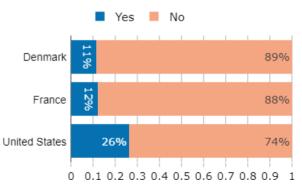


Figure 5: Size of town



Hit by covid

Figure 6: Have you or a member of your household been laid off or had to take a cut in your salary or wages due to the COVID-19 pandemic?

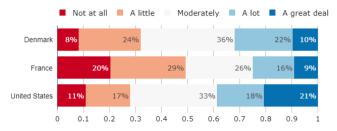


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Interest in politics

Figure 7: To what extent are you interested in politics?



Environmental organizations

Figure 8: Are you member of an environmental organization?

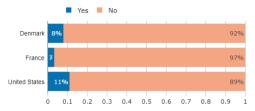
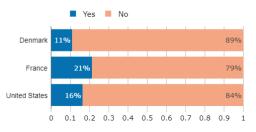


Figure 9: Do you have any relatives who are environmentalists?



Major election vote

Figure 10: Did you vote in the last major election?

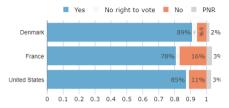
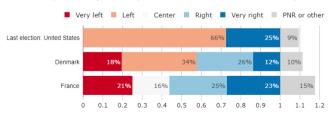
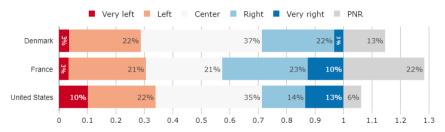


Figure 11: Which candidate did you vote / would you have voted for in the last major election?



Political affiliation

Figure 12: On economic policy matters, where do you see yourself on the left(liberal)/right(conservative) spectrum?



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Figure 13: What is the main way you heat your home

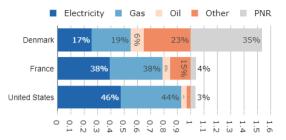


Figure 14: In a typical month, how much do you spend on heating for your accommodation?



Figure 16: In a typical month, how much do you spend on gas for driving?

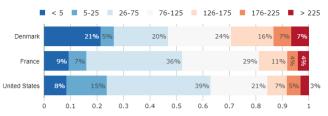


Figure 17: How many round-trip flights did you take between 2017 and 2019?

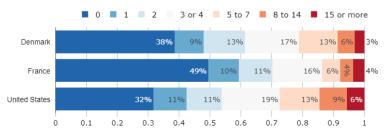
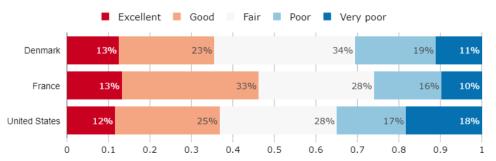


Figure 19: How do you rate the availability (ease of access and frequency) of public transportation where you live?

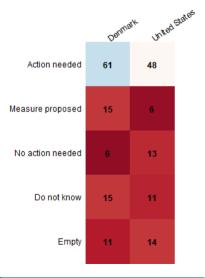


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- Comparison across the 3 Policies:

Essav

Figure 20: Themes mentioned – When thinking about climate change, what are your main considerations? What should the French government do regarding climate change? Please write as much as you would like, your response will be very useful.



Essay

Figure 21: Themes mentioned (raw) – When thinking about climate change, what are your main considerations? What should the French government do regarding climate change? Please write as much as you would like, your response will be very useful.

Dermark and States damages adaptation change lifestyle companies trash/recycling/plastic cars/transport power/energy housing/insulation agriculture/forest tax/incentives bans/sanctions standard subsidies/investment

Essav

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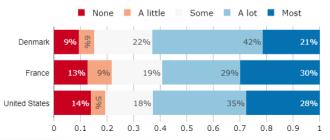
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Climate change knowledge: general

Figure 22: How often do you think or talk with people about climate change?



Figure 23: What part of climate change do you think is due to human activity?



Climate change knowledge: general

Figure 24: Do you agree or disagree with the following statement: "Climate change is an important problem."

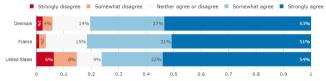
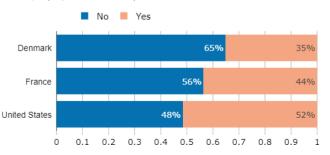


Figure 25: Do you think that cutting global greenhouse gas emissions by half would be sufficient to eventually stop temperatures from rising? (Right answer: No)

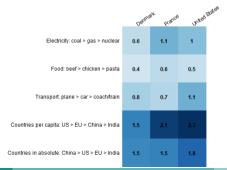


Climate change knowledge: GHG footprints

Figure 26: How knowledgeable do you consider yourself about climate change?

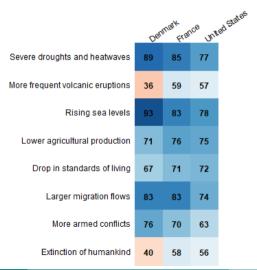


Figure 27: Kendall tau distance to correct ranking of GHG footprints for three sectors and for regions (\sim number of mistakes)



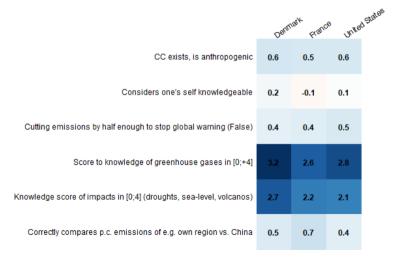
Impacts of climate change

Figure 28: If nothing is done to limit climate change, how likely do you think it is that climate change will lead to the following events? (positive responses)



Summary of Knowledge

Figure 29: % of respondents who agree with the following statements:

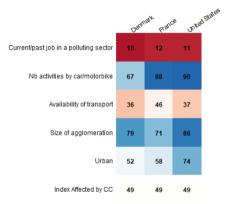


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Affected by Climate Change

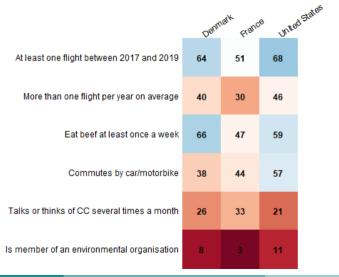
Figure 30: % of respondents with the following characteristics:



Current/past job in a pollutin sector: work or used to worked in a polluting sector; Nb activities by car/motorbike: use the car or the motorbike for at least one activitiy; Availability of transport: good or excellent availability of transport; Size of agglomeration: do not live in rural area; Urban: live in a large metropolitan area; Index Affected by CC: has a positive Index of being Affected by Climate Change

Behavior Summary

Figure 31: % of respondents with the following behaviors:



Beliefs about the future

Figure 32: To what extent do you think that it is technically feasible to stop greenhouse gas emissions while maintaining satisfactory standards of living in France?

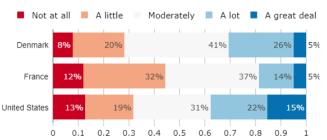
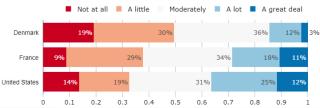


Figure 33: To what extent do you think climate change already affects or will negatively affect your personal life?



Beliefs about ambitious climate policies

Figure 34: If we decide to halt climate change through ambitious policies, to what extent do you think it would negatively affect your lifestyle?

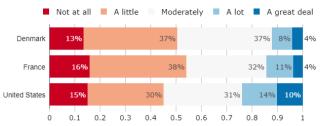
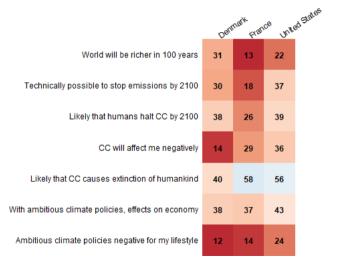


Figure 35: If we decide to halt climate change through ambitious policies, what would be the effects on the U.S economy and employment?



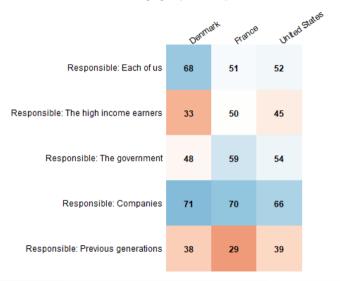
Summary Views on Future

Figure 36: % of respondents who agree with the statement



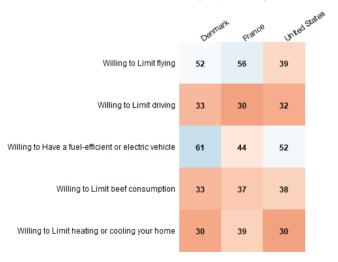
Views on who is responsible

Figure 37: % of respondents who think the followings groups are responsible for climate change



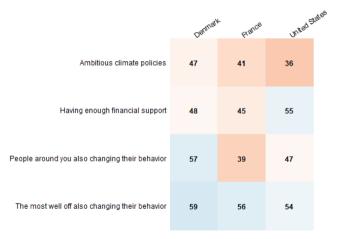
Willingness to change behaviors

Figure 38: Here are possible habits that experts say would help reduce greenhouse gas emissions. To what extent would you be willing to adopt the following behaviors? (% agreement)



Factors needed to change lifestyle

Figure 39: How important are the factors below in order for you to adopt a sustainable lifestyle (i.e. limit driving, flying, and consumption, cycle more, etc.)? (% agreement)



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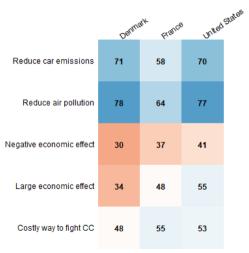
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Policy description

To fight climate change, car producers can be required by law to produce cars that emit less CO2 per mile of the cars they sell. The emission limit is lowered every year so that only electric or hydrogen vehicles can be sold after 2030. This policy is called a *ban on combustion-engine cars*.

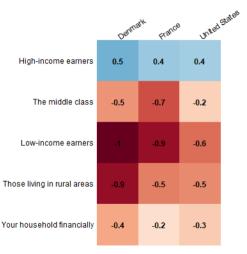
Effects of the policy

Figure 40: Do you agree or disagree with the following statements? A ban on combustion-engine cars would... (% agreement)



Incidence

Figure 41: In your view, would the following groups win or lose if a ban on combustion-engine cars was implemented in France? (mean answers)



Fairness and support

Figure 42: Do you agree or disagree with the following statement: "A ban on combustion-engine cars is fair"?

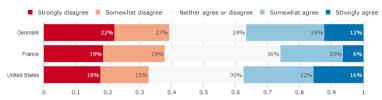


Figure 43: Do you support or oppose a ban on combustion-engine cars?

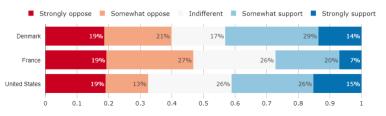
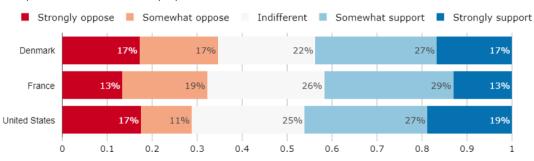


Figure 44: Do you support or oppose a ban on combustion-engine cars where alternatives such as public transports are made available to people?



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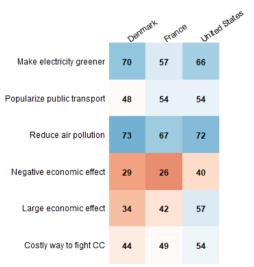
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Policy description

A green infrastructure program is a large public investment program, which would be financed by additional public debt, to accomplish the transition needed to cut greenhouse gases emissions. Investments would concern renewable power plants, public transportation, thermal renovation of building, and sustainable agriculture.

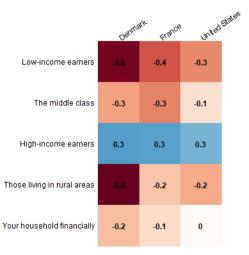
Effects of the policy

Figure 45: Do you agree or disagree with the following statements? A green infrastructure program would... (% agreement)



Incidence

Figure 46: In your view, would the following groups win or lose with a green infrastructure program? (mean answers)



Fairness and support

Figure 47: Do you agree or disagree with the following statement: "A green infrastructure program mainly financed by public debt is fair."

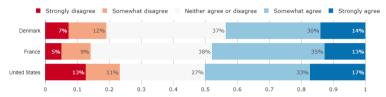
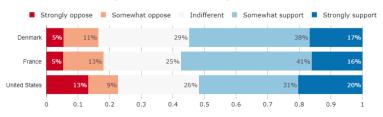


Figure 48: Do you support or oppose a green infrastructure program?



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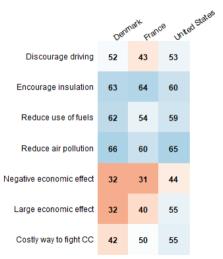
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Policy description

To fight climate change, the French government can make greenhouse gas emissions costly, to make people and firms change their equipment and reduce their emissions. The government could do this through a policy called a carbon tax with cash transfers. Under such a policy, the government would tax all products that emit greenhouse gas. For example, the price of gasoline would increase by 10 centimes par litre. To compensate households for the price increases, the revenues from the carbon tax would be redistributed to all households, regardless of their income. Each adult would thus receive 160€ per year.

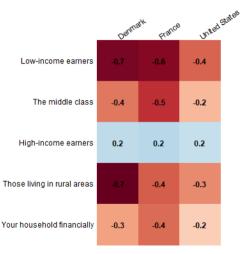
Effects of the policy

Figure 49: Do you agree or disagree with the following statements? A carbon tax with cash transfers would... (% agreement)



Incidence

Figure 50: In your view, would the following groups win or lose under a carbon tax with cash transfers? (mean answers)

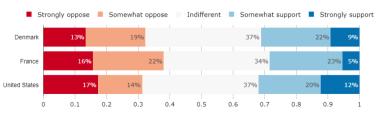


Fairness and support

Figure 51: Do you agree or disagree with the following statement: "A carbon tax with cash transfers is fair."



Figure 52: Do you support or oppose a carbon tax with cash transfers?

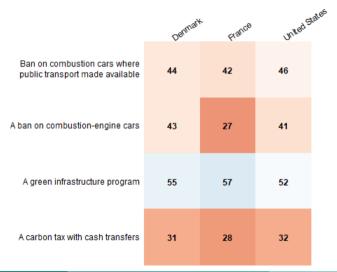


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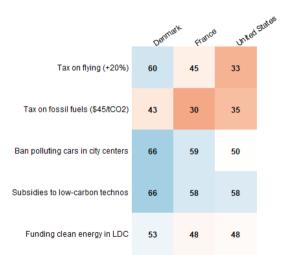
Support

Figure 53: Comparison of responses to each policy question: do you support or oppose the following policy? (% that support)



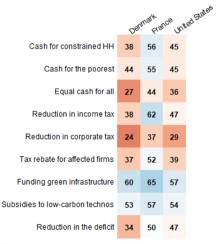
Other policies

Figure 54: Do you support or oppose the following climate policies? (% agreement)



Revenue recycling of carbon tax

Figure 55: Governments can use the revenues from carbon taxes in different ways. Would you support or oppose introducing a carbon tax that would raise gasoline prices by 10 centimes par litre, if the government used this revenue to finance... (% agreement)

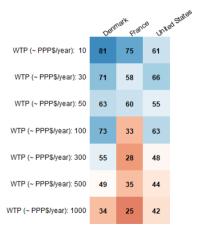


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WTP

Figure 56: Are you willing to pay [amount] annually through an additional individual contribution to limit global warming to safe levels (less than $2 \, ^{\circ}C$)?

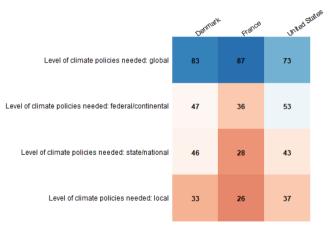


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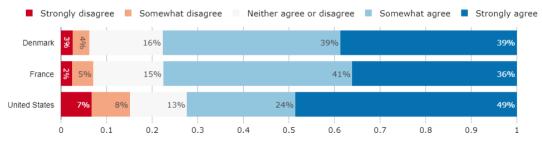
Governance of climate policies

Figure 57: At which level(s) do you think public policies to tackle climate change need to be put in place? (Multiple answers are possible)



US climate policy

Figure 58: Do you agree or disagree with the following statement: "France should take measures to fight climate change."



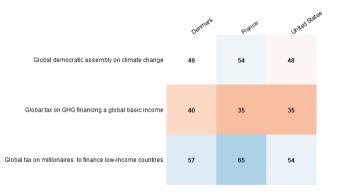
Burden-sharing

Figure 59: To achieve a given reduction of greenhouse gas emissions globally, costly investments are needed. Ideally, how should countries bear the costs of fighting climate change?

	Denne	ark France	United	A alas
All countries should pay in proportion to income	62	62	52	
All countries should pay in proportion to current emissions	53	75	68	
All countries should pay in proportion to post-1990 emissions	28	53	41	
Richest should countries pay it all so poor ones don't pay	24	50	28	
Richest countries should pay even more to help vulnerable ones	43	49	40	

Global policies

Figure 60: Do you support or oppose the following policies?



Insulation 61: Imagine that the government makes it mandatory for all residential because a certain energy efficiency standard before 2040. The government would costs to help households with the transition.	ouildings to have insulation tha subsidize half of the insulation
Do you support or oppose such policy?	
/figures/country_comparison/insulation_support_countr	eies.png

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Trust

Figure 62: Do you agree or disagree with the following statement: "Most people can be trusted."

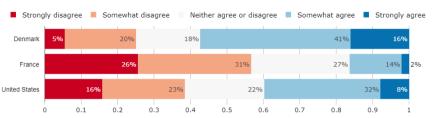
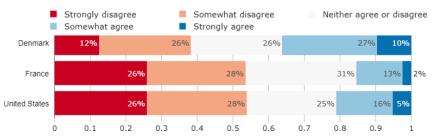


Figure 63: Do you agree or disagree with the following statement: "Over the last decade the [National] government could generally be trusted to do what is right."



Perception of institutions, inequality, and the future

Figure 64: Some people think the government is trying to do too many things that should be left to individuals and businesses. Others think that government should do more to solve our country's problems. Which come closer to your own view?

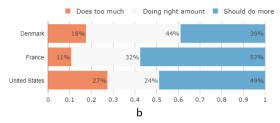
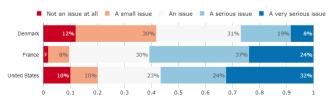


Figure 65: How big of an issue do you think income inequality is in [your country]?

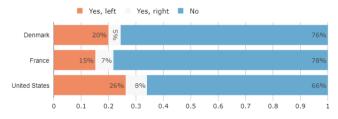


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Feedback on the survey

Figure 66: Do you feel that this survey was politically biased?



Feedback on the survey

Figure 67: Main Themes – The survey is nearing completion. You can now enter any comments, thoughts or suggestions in the field below.

