Project on the public acceptability of climate change mitigation policies

Draft Survey for the United States (February 2021)

Contents

[Block 0: Survey instructions 2](#_Toc63267016)

[Block 1: Socio-demographics 3](#_Toc63267017)

[Block 2: Household composition and energy characteristics 11](#_Toc63267018)

[Block 3: Trust, perceptions of institutions, inequality, and the future 13](#_Toc63267019)

[Block 4: Open-ended question on political views 17](#_Toc63267020)

[Block 5: Open-ended question on climate change 17](#_Toc63267021)

[Block 6: Open-ended question on climate change policies 17](#_Toc63267022)

[Block 7: Climate Change (attitudes and risks) 18](#_Toc63267023)

[Block 8: International burden-sharing 23](#_Toc63267024)

[Block 9: Treatment 1: The global impacts of climate change (randomly allocated) 27](#_Toc63267025)

[Block 10: Alternative to Treatment 1: The local impacts of climate change (randomly allocated) 28](#_Toc63267026)

[Block 11: Treatment 2: Climate policy options (randomly allocated) 29](#_Toc63267027)

[Block 12: Preferences on climate policies 30](#_Toc63267028)

[Block 13: Preference for policy option 1: emission limit for cars 32](#_Toc63267029)

[Block 14: Preference for policy option 2: green infrastructure program 35](#_Toc63267030)

[Block 15: Preference for policy option 3: carbon tax with cash transfers 37](#_Toc63267031)

[Block 16: Preferences on climate policies 39](#_Toc63267032)

[Block 17: Preference for bans vs. incentives 42](#_Toc63267033)

[Block 18: Willingness to pay 43](#_Toc63267034)

[Block 19: Political views and media consumption 44](#_Toc63267035)

[Block 20: Political views: additional questions 47](#_Toc63267036)

[Block 21: Feedback 49](#_Toc63267037)

# Block 0: Survey instructions

Welcome to this survey.

This is a survey conducted for academic research purposes by a consortium of researchers from Harvard University and the OECD, it will take approximately **25 minutes** to complete. The survey data is only used for research purposes, and the research is non-partisan.

You will be compensated for this survey conditional upon completing the survey and passing our survey quality checks, which use statistical control methods to detect incoherent and rushed responses.

It is very important for the success of our research that you **answer honestly**and **read the questions very carefully** before answering.

You should know the following:

The survey collects personal data including socio-demographic characteristics and political views. All of the answers you provide will remain anonymous and be treated with absolute confidentiality. The personal data we collect will be transferred and stored on secure servers. Only researchers working on the project will have access to the anonymised data. Whether or not you take part is up to you. Your participation is completely voluntary. You can choose not to take part. You can agree to take part and later change your mind. Your decision will not be held against you. Your refusal to participate will not result in any consequences or any loss of benefits that you are otherwise entitled to receive. You can ask all the questions you want before you decide.  

If you have questions, concerns, or complaints, or think the research has hurt you, contact the research team at social.economics.research2020@gmail.com or call the Harvard University Area Institutional Review Board (“IRB”) at (617) 496-2847. The OECD is committed to protecting the personal data it processes, in accordance with its Personal Data Protection [Rules](https://www.oecd.org/general/data-protection.htm). If you have further queries or complaints related to the processing of your personal data, please contact the [Data Protection Officer](mailto:dpo@oecd.org). If you need further assistance in resolving claims related to personal data protection you can contact the [Data Protection Commissioner](mailto:dpc@oecd.org).

Do you agree to participate in the survey?

* Yes (1)
* No (2)

# Block 1: Socio-demographics

Q1.1 What is your gender?

* Female (1)
* Male (2)
* Other (3)

Q1.2 How old are you?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Q1.3 In which part of the United States do you live?

* Northeast (1)
* Midwest (2)
* South (3)
* West (4)

Q1.4 What is your zipcode?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Q1.5 Do you live in a rural or an urban area? I live in:

* A rural area (1)
* A small town (between 5,000 and 20,000 inhabitants) (2)
* A large town (between 20,000 and 50,000 inhabitants) (3)
* A small city (between 50,000 and 250,000 inhabitants) (4)
* A medium-size city (between 250,000 and 3,000,000 inhabitants) (5)
* A large city (more than 3 million inhabitants) (6)

Q1.6 What race or ethnicity do you identify with? (Several answers possible)

* White (1)
* Black or African American (2)
* Hispanic (3)
* Asian (4)
* American Indian or Alaskan Native (5)
* Native Hawaiian or Pacific Islander (6)
* Other (7) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Prefer not to say (8)

Q1.7 How well can you speak English?

* Native (1)
* Well or very well (2)
* Somewhat well (3)
* I don't speak well (4)

Q1.8 What is the highest level of education you have completed?

* No schooling completed (1)
* Primary school (2)
* Lower secondary school (3)
* Vocational degree (4)
* High school (5)
* College degree (6)
* Master's degree or above (7)

Q1.9 What is your employment status?

* Full-time employed (1)
* Part-time employed (2)
* Self-employed (3)
* Student (4)
* Retired (5)
* Unemployed (searching for a job) (6)
* Inactive (not searching for a job) (7)

Q1.10 What is (or was, or will be) your type of occupation?

* Manager or independent (e.g. managers, executive, health or independent professionals, teachers, artists...) (1)
* Clerical support or services (e.g. caring, sales, leisure, administrative...) (2)
* Skilled work (e.g. craft workers, plants and machine operators, farmers...) (3)
* Manual operations (e.g. cleaning, agriculture, delivery, transport, military...) (4)
* None of the above (5)

Q1.11 What is (or was, or will be) your primary line of business?

* Retail or Wholesale (1)
* Transport (2)
* Business, Finance, Insurance, Real Estate or other related services (3)
* Manufacturing, Mining or Construction (4)
* Agriculture, Forestry or Fishing (5)
* Hospitality, Catering or Leisure Services (6)
* Health or Social Care (7)
* Public Sector or Education (8)
* None of the above/Other (please specify) (9) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Q1.12 What is (or was, or will be) your specific primary line of business? (**Question asked conditional on previous answer. If answer to Q.1.11 was Retail or Wholesale respondents will only see options 1-4 in this question. If answer was Transport: only see options 5-6; If answer was Business, Finance,…, only see options 7-10; if answer was Manufacturing…, only see options 11-18; if answer was Agriculture…, only see options 19-22; if answer was Hospitality,…, this Question is skipped; if answer was Health or Social Care this question is skipped; if answer was Public Sector or Education, only see options 23-27; if answer was Other this question is skipped.)**

* Retail or wholesale of motor vehicles (1)
* Retail or wholesale of iron, steel, chemical products or refined oil products. (2)
* Retail or wholesale of agricultural or food products (3)
* Other retail or wholesale (4)
* Mostly transport by road (5)
* Other transport (6)
* Business or financial services (7)
* Insurance (8)
* Real estate (9)
* Other related services (10)
* Manufacturing of iron, steel, metal, or mineral products (11)
* Manufacturing of refined oil products (12)
* Manufacturing of chemicals (13)
* Manufacturing of motor vehicles and other transport equipment (14)
* Manufacturing of other machinery (15)
* Construction (16)
* Mining (17)
* Other manufacturing, mining or construction (18)
* Mostly crop production (19)
* Mostly animal production (20)
* Mostly forestry (21)
* Mostly fishing (22)
* Public sector (e.g. public administration) (23)
* Utility services (water, electricity, gas etc.) (24)
* Education (25)
* Defense activities (e.g. armed forces) (26)
* Other public sector activities (27)

Q1.13 Have you or a member of your household been laid off or had to take a cut in pay due to the COVID pandemic?

* Yes (1)
* No (2)

Q1.14 What was the *annual* income of your household in 2019 (before withholding tax, for you and those who live with you)?

* less than $35,000 (1)
* between $35,000 and $70,000 (2)
* between $70,000 and $120,000 (3)
* more than $120,000 (4)

Q1.15 Are you a homeowner or a tenant? (Multiple answers are possible)

* Tenant (1)
* Owner (2)
* Landlord renting out property (3)
* Hosted free of charge (4)

Q1.16 What is the estimated value of your assets, or those of your household if you are married (in US dollars)?    
 Include here all your possessions (home, car, savings, etc.) net of debt. For example, if you own a house worth $300,000 and you have $100,000 left to pay back on your mortgage, your assets are $200,000.  
  
I estimate my assets net of debt to be:

* Less than $0 (I have a net debt) (1)
* Close to $0 (2)
* Between $4,000 and $120,000 (3)
* Between $120,000 and $380,000 (4)
* More than $380,000 (5)

# Block 2: Household composition and energy characteristics

Q2.1 How many children do you have?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Q2.2 How many people are in your household? The household includes: you, the members of your family who live with you, and your dependents.

* Above 18 (1) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Below 18 (2) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Q2.3 What is the main way you heat your home?

* Electricity (1)
* Gas (2)
* Heating oil (3)
* Wood, solar, geothermal, or heat pump (4)
* Don't know, or prefer not to say (5)

|  |
| --- |
|  |

Q2.4 How many miles have you and your household members driven in 2019?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Q2.5 How many round-trip flights did you take between 2015 and 2019 (included)?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Q2.6 How often do you eat beef?

* Almost or at least daily (1)
* One to four times per week (2)
* Less than once a week (3)
* Never (4)

Q2.7 Which mode of transport did you mainly use for each of the following trips in 2019?

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | car or motorbike (1) | public transport (2) | walking or cycling (3) | other (4) | Not applicable (5) |
| Going to work, school/university (1) |  |  |  |  |  |
| Grocery shopping (2) |  |  |  |  |  |
| Leisure (excluding holidays) (3) |  |  |  |  |  |

Q2.8 Is public transport available where you live?

* Yes, public transport is easily and frequently available (1)
* Yes, public transport is available but with limitations (2)
* Not so much, public transport is available but with many limitations (3)
* No, there is no public transport (4)
* Don't know (5)

# Block 3: Trust, perceptions of institutions, inequality, and the future

Q3.1 Generally speaking, would you say that most people can be trusted or that you need to be very careful?

|  |  |  |  |
| --- | --- | --- | --- |
|  | One needs to be very careful | Most people can be trusted | Don't know, or prefer not to say |

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

|  |  |
| --- | --- |
| People can be trusted () |  |

Q3.2 Over the last decade, how much of the time do you think the US government could be trusted to do what is right?

* Nearly all the time (1)
* Most of the time (2)
* Only some of the time (3)
* Never (4)
* Don't know, or prefer not to say (5)

Q3.3 Do you agree or disagree that authorities spend the revenue obtained from taxes and fees in a sensible way?

* Strongly agree (1)
* Somewhat agree (2)
* Neither agree or disagree (3)
* Somewhat disagree (4)
* Strongly disagree (5)
* Don't know, or prefer not to say (6)

Q3.4 Think more broadly about the purpose of the government. Where would you rate yourself on a scale of 1 to 5, where 1 means you think the government should do only those things necessary to provide the most basic government functions (e.g. ensure public order and enforce the law, protect against foreign threats, set basic rules for a free market economy), and 5 means you think the government should take active steps in every area it can to try and improve the lives of its citizens (e.g. provide a welfare state that distributes income from the rich to the poor, provides public goods such as hospitals and schools, sets boundaries to the market economy, etc.) .

|  |  |  |  |
| --- | --- | --- | --- |
|  | Government should focus  on most basic functions | Government should  play an active role | Don't know, or prefer not to say |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | 1 | 2 | 3 | 4 | 5 |

|  |  |
| --- | --- |
| Government should play an active role () |  |

Q3.5 Do you think inequality is a serious problem in the United States?

* Not a problem at all (1)
* A small problem (2)
* A problem (3)
* A serious problem (4)
* A very serious problem (5)
* Don't know, or prefer not to say (6)

Q3.6 Where do you see the world in 100 years?

* Richer, for example thanks to technological progress (1)
* Poorer, for example due to resource depletion and/or climate change (2)
* About as rich as now on average (3)
* Don't know, or prefer not to say (4)

Q3.7 Which of the following statements is closest to your view on environmental issues?

* Our civilization will eventually collapse, it is useless to try making society more sustainable (1)
* Our civilization will develop so much that environmental issues will not be a problem in the distant future (2)
* We should make our society as sustainable as possible to avoid irreversible damages (3)
* I believe we have more important goals than sustainability (4)
* Don't know, or prefer not to say (5)

# Block 4: Open-ended question on political views

Q4.1 What political proposals do you support?   
Although you can skip this question, we value answers as detailed as possible.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

# Block 5: Open-ended question on climate change

Q5.1 What do you know about climate change?   
Although you can skip this question, we value answers as detailed as possible.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

# Block 6: Open-ended question on climate change policies

Q6.1 Do you think the US government should fight climate change? If yes, how?  
Although you can skip this question, we value answers as detailed as possible.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

# Block 7: Climate Change (attitudes and risks)

Q7.1 In your opinion, climate change...

* is not a reality (1)
* is mainly due to natural climate variability (2)
* is mainly due to human activity (3)
* Don't know, or prefer not to say (4)

Q7.2 Which of the following statements is true? **If we halve global greenhouse gas emissions...**

* temperatures will continue to rise, just more slowly (1)
* temperatures will stabilize (2)
* temperatures will decrease (3)
* none of the above: greenhouse gas emissions have no impact on temperatures (4)
* Don't know, or prefer not to say (5)

Q7.3 In your opinion, which of the following statements are true? (Multiple answers are possible. Note that by "far more", we mean at least ten times more.)

* Eating one beef steak emits far more greenhouse gases than eating two servings of pasta (1)
* Electricity produced by nuclear power emits far more greenhouse gases than electricity produced by wind turbines (2)
* Commuting by car emits far more greenhouse gases than food waste (3)

Q7.4 In your opinion, which of the following is predominantly responsible for climate change? (Multiple answers are possible)

* Each of us (1)
* The rich (2)
* Governments (3)
* Companies (4)
* Previous generations (5)
* Some foreign countries (6)
* Natural causes (7)
* None of the above, climate change is not a reality (8)

Q7.5 Do you think humanity can stop emitting greenhouse gases and halt climate change?

* Humans have no noticeable influence on the climate. (1)
* We’d better live with climate change rather than try to halt it. Stopping emissions would cause more harm than climate change itself. (2)
* We should stop emissions, but unfortunately this is not going to happen. (3)
* Ambitious policies and raising awareness will eventually succeed in stopping emissions within the next century. (4)
* Technologies and habits are changing and this will suffice to prevent disastrous climate change. We do not need ambitious policies. (5)
* Don't know, or prefer not to say (6)

Q7.6 How often do you talk about climate change?

* Several times a month (1)
* Several times a year (2)
* Almost never (3)
* Don't know, or prefer not to say (4)

Q7.7 In your opinion, how would the effects of climate change be, if humanity did nothing to limit it?

* Insignificant, or even beneficial (1)
* Small, because humans would be able to live with it (2)
* Grave, because there would be more natural disasters (3)
* Disastrous, lifestyles would be largely altered (4)
* Cataclysmic, humankind would disappear (5)
* Don't know, or prefer not to say (6)

Q7.8 Would you be willing to change your lifestyle (e.g. drive less, fly less, consume less, cycle more) to fight climate change? (Multiple answers are possible)

* Yes, if policies went in this direction (1)
* Yes, if I had the financial means (2)
* Yes, if everyone around me did the same (3)
* No, only the richest people should change their lifestyle (4)
* No, it would affect me more to change my lifestyle than to live with climate change (5)
* No, I think climate change is not a real problem (6)
* I have already adopted a sustainable lifestyle (7)
* I try, but I have trouble changing my habits (8)
* Don't know, or prefer not to say (9)

Q7.9 Which of the following ways of living are you willing to adopt to fight climate change?

* Renounce having a personal car (1)
* Have an electric vehicle (2)
* Renounce flying (3)
* Do not heat much your home (4)
* Renounce eating beef (5)
* None of the above (6)

Q7.10 If we decided to halt climate change, what would be the effect on our lifestyle? The policies aimed at halting climate change ... (Multiple answers are possible)

* ... would be an opportunity for our economy: it would create jobs, reduce air pollution, and improve our lifestyle (1)
* ... would be costly, but we would be able to maintain our lifestyle (e.g. increasing thermal insulation of housing, replacing cars running on fossil fuels by electric cars, electricity from coal by renewables or nuclear, etc.) (2)
* ... would require a deep change in our lifestyle (e.g. reducing energy consumption, eating much less meat, driving less and using public transport or cycling instead, etc.) (3)
* Don't know, or prefer not to say (4)

Q7.11 Which of the following issues do we need to address to halt climate change? (Multiple answers are possible)

* The use of technologies that emit greenhouse gases (e.g. cars running on fossil fuels, electricity from coal...) (1)
* The level of waste (waste of energy, waste of food, inefficiencies, etc.) (2)
* High standards of living (3)
* Overconsumption (10)
* Overpopulation (4)
* None of the above (8)
* Other (specify): (9) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Don't know, or prefer not to say (5)

# Block 8: International burden-sharing

Q8.1 At which level(s) do you think public policies to tackle climate change need to be put in place? (Multiple answers are possible)

* Local (1)
* State (2)
* Federal (3)
* Global (4)
* Don't know, or prefer not to say (5)

Q8.2 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?

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Strongly agree (1) | Somewhat agree (2) | Neither agree nor disagree (3) | Somewhat disagree (4) | Strongly disagree (5) | Don't know, or prefer not to say (7) |
| Countries should pay in proportion to their income (1) |  |  |  |  |  |  |
| Countries should pay in proportion to their current emissions (2) |  |  |  |  |  |  |
| Countries should pay in proportion to their past emissions (from 1990 onwards) (3) |  |  |  |  |  |  |
| The richest countries should pay it all, so that the poorest countries do not have to pay anything (4) |  |  |  |  |  |  |
| The richest countries should pay even more, to help vulnerable countries face adverse consequences: vulnerable countries would then receive money instead of paying (5) |  |  |  |  |  |  |

Q8.3 It has been proposed that each year, each human could receive an equal allowance to emit greenhouse gases (i.e. an equal “right to pollute”). Those who pollute more would have to pay for their excess emissions while those who pollute less would receive a monetary compensation corresponding to the emissions they saved. In principle, do you agree with this proposal that would give every human the same right to pollute?

* Yes, this would be a fair solution (1)
* No, those who currently pollute more should have more rights to pollute (2)
* No, the poor or those who will be hurt more by climate change should be compensated more (3)
* No, we should not restrict greenhouse gas emissions (4)
* Don't know, or prefer not to say (5)

Q8.4 Would you approve of establishing a global democratic assembly which role would be to take action against climate change?

* Yes (1)
* No (2)
* Don't know, or prefer not to say (3)

Q8.5 Would you approve of a global tax on greenhouse gas emissions funding a global basic income of $30/month to each adult?

* Yes (1)
* No (2)
* Don't know, or prefer not to say (3)

Q8.6 Would you approve of a global tax on the top 1% to finance the development of low-income countries (e.g., access to drinking water, healthcare, education...)?

* Yes (1)
* No (2)
* Don't know, or prefer not to say (3)

**Allocation into treatment groups:**

At this point in the survey respondents are randomly allocated into one of four groups (three treatment groups, one control group). Respondents in treatment group 1 will first see a short video on the impacts of climate change (Block 9), and will then be directed to Block 12. Respondents in treatment group 2 will first see the same video as respondents in the first treatment group (Block 9), and will then see a second video with information on several climate policy options (Block 11). Respondents in treatment group 3 will only see the second video (Block 11) with information on the climate policy options. Respondents in the control group are directed to Block 12 and will not see any video.

Block 10 represents an alternative to Block 9. It focuses on the local impacts of climate change. [We still need to decide if we keep global vs. local climate impacts as separate treatments or keep only the local impact treatment]

# Block 9: Treatment 1: The global impacts of climate change (randomly allocated)

Respondents in this treatment group will see a video with information on climate change and the estimated natural and socio-economic impacts. It will provide basic explanations on the link between greenhouse gas emissions, temperature levels and the impact on natural disasters. It will for example provide information on the estimated impacts arising from the increase in tropical storms, sea level rise, and the decline in crop yields due to climate change.

Q9.1 Were you able to watch and listen to the video until the end?

* Yes (1)
* No, there was a technical problem (2)
* No, I skipped part of the video (3)

Q9.2 Did you enjoy the video?

* Yes (1)
* Somewhat (2)
* No (3)

Q9.3 How much did you learn with the video?

* Nothing (1)
* A little (2)
* Somewhat (3)
* A lot (4)

# Block 10: Alternative to Treatment 1: The local impacts of climate change (randomly allocated)

Respondents in this treatment group will see a video with information on climate change and the estimated natural and socio-economic impacts, with a focus on local impacts. It will provide basic explanations on the link between greenhouse gas emissions, temperature levels and the impact on natural disasters. It will for example provide information on the estimated impacts arising from the increase in tropical storms, sea level rise, and the decline in crop yields due to climate change. It will include examples such as hurricane Katrina.

Q10.1 Were you able to watch and listen to the video until the end?

* Yes (1)
* No, there was a technical problem (2)
* No, I skipped part of the video (3)

Q10.2 Did you enjoy the video?

* Yes (1)
* Somewhat (2)
* No (3)

Q10.3 How much did you learn with the video?

* Nothing (1)
* A little (2)
* Somewhat (3)
* A lot (4)

# Block 11: Treatment 2: Climate policy options (randomly allocated)

Respondents in this treatment group will see a video with information on several policy options to reduce greenhouse gas emissions (e.g. emissions standard for cars, tax and dividend policy, public green investment programme). The video will explain the mechanisms of the policies and explain the respective costs and benefits of each policy.

Q11.1 Were you able to watch and listen to the video until the end?

* Yes (1)
* No, there was a technical problem (2)
* No, I skipped part of the video (3)

Q11.2 Did you enjoy the video?

* Yes (1)
* Somewhat (2)
* No (3)

Q11.3 How much did you learn with the video?

* Nothing (1)
* A little (2)
* Somewhat (3)
* A lot (4)

# Block 12: Preferences on climate policies

Q12.1 How worried are you about the impacts of climate change?

* Very worried (1)
* Worried (2)
* Not worried (3)
* Not worried at all (4)
* Don't know, or prefer not to say (5)

Q12.2 Imagine that all countries in the world agree on wide-reaching measures to fight climate change. This would mean a large expansion in the availability and use of non-polluting transport, a faster transition to renewable energy, and efforts from everyone according to their means.   
  
In such a scenario, would you be willing to adopt a sustainable lifestyle? By "sustainable lifestyle", we mean eat little beef and use almost no fuel (for driving, heating or flying).

* Yes (1)
* No (2)
* Don't know, or prefer not to say (3)

Q12.3 Do you think the United States should take measures to fight climate change?

* Yes (1)
* It depends: only if it is part of a fair international agreement (2)
* No, by no means (3)
* Don't know or prefer not to say (4)

Q12.4 You think that the United States should take measures to fight climate change. How does this depend on what other countries do?

* The US should take even more ambitious measures if other countries are less ambitious (1)
* The US should take even more ambitious measures if other countries also take similar measures (2)
* The US should be less ambitious if other countries take ambitious measures (3)

# Block 13: Preference for policy option 1: emission limit for cars

To fight climate change, car producers can be required by law to limit the average CO2 emission per mile of the vehicles they sell in a year. This limit is lowered every year, with the possible aim that only electric or hydrogen vehicles will be sold after 2040 (at which date electricity generation is expected to be non-polluting). This policy is called an *emission limit for cars*.

Q13.1 Does such a policy exist in the United States?

* Yes (1)
* No (2)
* Don't know, or prefer not to say (3)

Q13.2 Could the US federal government be trusted to correctly implement an emission limit for cars?

* Yes (1)
* No (2)
* Don't know, or prefer not to say (3)

Q13.3 Would an emission limit for cars be effective to fight climate change?

* Yes (1)
* No (2)
* Don't know, or prefer not to say (3)

Q13.4 Would an emission limit for cars have an overall positive or negative impact on employment?

* Positive impacts (1)
* No notable impact (2)
* Negative impacts (3)
* Don't know, or prefer not to say (4)

Q13.5 Would an emission limit for cars have positive or negative side effects overall (for example on pollution or human health)?

* Positive side effects (1)
* No notable side effects (4)
* Negative side effects (2)
* Don't know, or prefer not to say (3)

Q13.6 Would the following categories of people win or lose by an emission limit for cars?

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Would win (1) | Would lose (2) | Would not be severely affected (3) | Don't know, or prefer not to say (4) |
| The poorest (1) |  |  |  |  |
| The middle class (2) |  |  |  |  |
| The richest (3) |  |  |  |  |
| Urban dwellers (4) |  |  |  |  |
| Rural or those living on the outskirts of an urban area (5) |  |  |  |  |

Q13.7 In your opinion, would your household win or lose financially from an emission limit for cars?

* Win (1)
* Lose (2)
* Be unaffected (3)
* Don't know, or prefer not to say (4)

Q13.8 Would you support an emission limit for cars?

* Yes (1)
* No (2)
* Don't know, or prefer not to say (3)

# Block 14: Preference for policy option 2: green infrastructure program

A *green infrastructure program* is a large program of public investment, 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.

Q14.1 Could the US government be trusted to correctly implement a green infrastructure program?

* Yes (1)
* No (2)
* Don't know, or prefer not to say (3)

Q14.2 Would a green infrastructure program be effective to fight climate change?

* Yes (1)
* No (2)
* Don't know, or prefer not to say (3)

Q14.3 Would a green infrastructure program have an overall positive or negative impact on employment?

* Positive impacts (1)
* No notable impact (2)
* Negative impacts (3)
* Don't know, or prefer not to say (4)

Q14.4 Would a green infrastructure program have positive or negative side effects overall (for example on pollution or human health)?

* Positive side effects (1)
* No notable side effects (2)
* Negative side effects (3)
* Don't know, or prefer not to say (4)

Q14.5 Would the following categories of people win or lose by a green infrastructure program?

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Would win (1) | Would lose (2) | Would not be severely affected (3) | Don't know, or prefer not to say (4) |
| The poorest (1) |  |  |  |  |
| The middle class (2) |  |  |  |  |
| The richest (3) |  |  |  |  |
| Urban dwellers (4) |  |  |  |  |
| Rural or those living on the outskirts of an urban area (5) |  |  |  |  |

Q14.6 Would your household win or lose financially from a green infrastructure program?

* Win (1)
* Lose (2)
* Be unaffected (3)
* Don't know, or prefer not to say (4)

Q14.7 Would you support a green infrastructure program?

* Yes (1)
* No (2)
* Don't know, or prefer not to say (3)

# Block 15: Preference for policy option 3: carbon tax with cash transfers

To fight climate change, the US federal government can make greenhouse gas emissions costly, to make people and firms change their equipment and reduce their emissions. This could be done through a policy called a *carbon tax with cash transfers*. With such a policy, all products that emit greenhouse gas would be taxed. For example, the price of gasoline would increase by 40 cents per gallon. To compensate households for the price increases, the revenues of the carbon tax would be redistributed to all households, regardless of their income. Each adult would thus receive $600 per year.

Q15.1 Could the US government be trusted to correctly implement a carbon tax with cash transfers?

* Yes (1)
* No (2)
* Don't know, or prefer not to say (3)

Q15.2 Would a carbon tax with cash transfers be effective to fight climate change?

* Yes (1)
* No (2)
* Don't know, or prefer not to say (3)

Q15.3 Would a carbon tax with cash transfers have an overall positive or negative impact on employment?

* Positive impacts (1)
* No notable impact (2)
* Negative impacts (3)
* Don't know, or prefer not to say (4)

Q15.4 Would a carbon tax with cash transfers have positive or negative side effects overall (for example on pollution or human health)?

* Positive side effects (1)
* No notable side effects (2)
* Negative side effects (3)
* Don't know, or prefer not to say (4)

Q15.5 Would the following categories of people win or lose by a carbon tax with cash transfers?

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Would win (1) | Would lose (2) | Would not be severely affected (3) | Don't know, or prefer not to say (4) |
| The poorest (1) |  |  |  |  |
| The middle class (2) |  |  |  |  |
| The richest (3) |  |  |  |  |
| Urban dwellers (4) |  |  |  |  |
| Rural or those living on the outskirts of an urban area (5) |  |  |  |  |

Q15.6 Would your household win or lose financially from a carbon tax with cash transfers?

* Win (1)
* Lose (2)
* Be unaffected (3)
* Don't know, or prefer not to say (4)

Q15.7 Would you support a carbon tax with cash transfers?

* Yes (1)
* No (2)
* Don't know, or prefer not to say (3)

# Block 16: Preferences on climate policies

Q16.1 This is just a question to screen out inattentive respondents. Please tick "A little".

* A lot (1)
* Somewhat (2)
* A little (3)
* Not at all (4)

Q16.2 Would you support the following climate policies?

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Yes, absolutely (1) | Yes, somewhat (2) | Indifferent (3) | No, not really (4) | No, not at all (5) | Don't know, or prefer not to say (6) |
| A tax on flying (1) |  |  |  |  |  |  |
| A national tax on fossil fuels (2) |  |  |  |  |  |  |
| Required thermal renovation of buildings (e.g., better insulation) (3) |  |  |  |  |  |  |
| A ban of polluting vehicles in dense areas, like city centers (6) |  |  |  |  |  |  |
| Subsidies for low-carbon technologies (renewable energy, capture and storage of carbon...) (7) |  |  |  |  |  |  |
| A contribution to a global climate fund to finance clean energy in low-income countries (8) |  |  |  |  |  |  |

|  |
| --- |
|  |

Q16.3 Revenues from carbon taxes can be put in use in different ways. To what extent would you support introducing a carbon tax that would raise gasoline prices by 40 cents per gallon, if revenues were used to finance...

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Strongly support (1) | Rather support (2) | Indifferent (3) | Rather oppose (4) | Strongly oppose (5) | Don't know (6) |
| Transfers to households with no alternative to using fossil fuels (1) |  |  |  |  |  |  |
| Transfers to the poorest households (2) |  |  |  |  |  |  |
| Equal cash transfers to all households (3) |  |  |  |  |  |  |
| Tax rebates for the most affected firms (4) |  |  |  |  |  |  |
| Funding environmental infrastructure projects (public transport, cycling ways, etc.) (5) |  |  |  |  |  |  |
| Subsidizing low-carbon technologies, including renewable energy (6) |  |  |  |  |  |  |
| A reduction in the public deficit (7) |  |  |  |  |  |  |
| A reduction of corporate income tax (8) |  |  |  |  |  |  |
| A reduction of personal income tax (9) |  |  |  |  |  |  |
| Other (please specify): (10) |  |  |  |  |  |  |

# Block 17: Preference for bans vs. incentives

Q17.1 Imagine that the US federal government subsidizes the thermal renovation (e.g., better insulation) of residential housing. Would you prefer that the renovation be:

* Mandatory: every building should be renovated before a certain date (1)
* Voluntary: an owner should be able to not renovate their house (2)
* Don't know, or prefer not to say (3)

**Respondents are randomly allocated to answer only one of the following three questions Q17.2, Q17.3, Q17.4.**

Q17.2 Imagine that, in order to fight climate change, the US federal government decides to limit flights to an average of 600 miles per person per year, which is equivalent to 12,000 miles per person between now and 2040. Which of the following options would you prefer:

* No one would be allowed to fly more than 12,000 miles between now and 2040. (1)
* Those who plan to not fly within a given year would be allowed to sell their “right to fly” to someone who wants to fly but has already reached their quota of 12,000 miles. (2)

Q17.3 Imagine that, in order to fight climate change, all countries jointly decide to limit flights to an average of 600 miles per person per year, which is equivalent to 12,000 miles per person between now and 2040. Which of the following options would you prefer:

* No one would be allowed to fly more than 12,000 miles between now and 2040. (1)
* Those who plan to not fly within a given year would be allowed to sell their “right to fly” to someone who wants to fly but has already reached their quota of 12,000 miles. (2)

Q17.4 Imagine that, in order to fight climate change, the US federal government decides to limit the number of flights to an average of one round-trip per person every two years. Which of the following options would you prefer:

* No one would be allowed to fly more than one round-trip every two years. (1)
* Those who plan to not fly within a two-year period would be allowed to sell their “right to fly” to someone who wants to fly more than once during these two years. (2)

Q17.5 Imagine that, in order to fight climate change, the US federal government decides to limit the consumption of cattle products like beef and dairy. Which of the following option(s) would you approve of? (Multiple answers are possible)

* A high tax on cattle products, so that the price of beef doubles (1)
* Subsidies on organic and local vegetables, fruits and nuts (2)
* The removal of subsidies for cattle farming (3)
* The ban of intensive cattle farming (4)
* Don't know, or prefer not to say (5)

Q17.6 If you had to choose, which one of the following would be closest to your views?

* Governments should force people to protect the environment, even if it prevents people from doing what they want (1)
* Governments should only encourage people to protect the environment, even if it means people do not always do the right thing (2)
* Don't know, or prefer not to say (3)

# Block 18: Willingness to pay

Q18.1 We would like to know how much you would be willing to contribute to limit global warming to safe levels (less than 3.6 degrees Fahrenheit). To fight global warming, the US government would implement a policy package to reduce emissions, for example by discouraging emissions and investing in clean technologies (renewable energy, electric vehicles, public transport, more efficient insulation, etc.).

The funding for these investments would need to be collected **annually** through an **additional individual contribution**for the foreseeable future.

Think about how much, if anything, you are willing to pay before entering your decision. Assume that everyone in the US as well as citizens of other countries would be required to contribute according to their means. Please bear in mind that there may be other things that you would rather spend your money on.   
  
How much would you at most be willing to pay **annually** through an **additional individual contribution**to limit global warming to safe levels?"

▼ $ 0 per year (2) ... More than $ 5000 per year (46)

# Block 19: Political views and media consumption

Q19.1 Are you interested in politics?

* Not really or not at all (1)
* A little (2)
* A lot (3)
* Don't know, or prefer not to say (4)

Q19.2 Are you member of an environmental organization?

* Yes (1)
* No (2)

Q19.3 Do you have any relatives who are environmentalists?

* Yes (1)
* No (4)

Q19.4 How would you define yourself? (Multiple answers are possible)

* Far left (1)
* Left or center-left (2)
* Center (3)
* Right or center-right (4)
* Far right (5)
* Liberal (6)
* Conservative (7)
* Humanist (8)
* Patriot (9)
* Apolitical (10)
* Environmentalist (11)
* Feminist (13)
* Other (please specify): (12) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Q19.5 How do you keep yourself informed of current events? Mainly through...

* TV (mostly public broadcasting channels) (1)
* TV (mostly private channels) (2)
* Radio (3)
* Social media (e.g., Facebook, Twitter, etc.) (4)
* Print media (e.g., print newspapers, magazines etc.) (6)
* News websites (e.g. online newspapers) (7)
* Other (9)

Q19.6 Did you vote in the last US presidential election?

* Yes (1)
* No (2)
* I don't have the right to vote in the US (4)
* Prefer not to say (3)

Q19.7 Did you vote in the 2016 US presidential election?

* Yes (1)
* No (2)
* I didn't have the right to vote in the US (3)
* Prefer not to say (4)

# Block 20: Political views: additional questions

Q20.1 Which candidate did you vote for in the last presidential election?

* Biden (4)
* Trump (5)
* Jorgensen (6)
* Hawkins (12)
* Prefer not to say (13)

Q20.2 Even if you did NOT vote in the last presidential, please indicate the candidate that you were most likely to have voted for or who represents your views more closely.

* Biden (1)
* Trump (2)
* Jorgensen (3)
* Hawkins (4)
* Prefer not to say (5)

Q20.3 Which candidate did you vote for in the 2016 presidential election?

* Clinton (4)
* Trump (5)
* Johnson (6)
* Stein (12)
* Prefer not to say (13)

Q20.4 Even if you did NOT vote in the 2016 presidential, please indicate the candidate that you were most likely to have voted for or who represents your views more closely.

* Clinton (1)
* Trump (2)
* Johnson (3)
* Stein (4)
* Prefer not to say (5)

Q20.5 On economic policy matters, where do you see yourself on the liberal/conservative spectrum?

* Very liberal (1)
* Liberal (2)
* Moderate (3)
* Conservative (4)
* Very conservative (5)
* Don't know, or prefer not to say (6)

Q20.6 What do you consider to be your political affiliation, as of today?

* Republican (1)
* Democrat (2)
* Independent (3)
* Other (4)
* Non-Affiliated (5)

# Block 21: Feedback

Q21.1 Do you feel that this survey was biased?

* Yes, left-wing biased (1)
* Yes, right-wing biased (2)
* No, I do not feel it was biased (3)

Q21.2 The survey is nearing completion. You can now enter any comments, thoughts or suggestions in the field below.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_