

Trust in Science and Science-Related Populism: Many Labs Study

Survey Flow

EmbeddedData

IDValue will be set from Panel or URL.

Standard: CONSENT (1 Question)

Branch: New Branch

If

If Thank you Thank you for your interest in participating in this study. This study is run by an int... I do **NOT** consent to participate Is Selected

EndSurvey: Advanced

Standard: DEM (3 Questions)

Standard: ATTCHECK_01 (1 Question)

Branch: New Branch

If

If Please write the number 213 into the comment box. Text Response Is Not Equal to 213

EndSurvey: Advanced

Standard: DEFINITIONS (1 Question)

Standard: SCIINFO (1 Question)

Standard: SCIENGAGE (1 Question)

BlockRandomizer: 1 - Evenly Present Elements

Block: BENEFIT_OPEN (1 Question)

Block: TRUST_OPEN (1 Question)

Standard: BENEFIT_REGION (3 Questions)

Standard: GOALS (2 Questions)

Standard: NORMPERC (1 Question)

Standard: WILLVUL (4 Questions)

Standard: TRUST_SCI (12 Questions)

Standard: TRUST_METHOD (1 Question)

Standard: TRUST_PEW (1 Question)

Standard: OUTSPOKEN (1 Question)

Standard: SCIPOP (1 Question)

Branch: New Branch

If

If The following statements are about the relationship between science and society. How much do you... To show us that you are still paying attention, please select **“strongly disagree”**. - Strongly disagree Is Not Selected

EndSurvey: Advanced

Standard: SDO (1 Question)
Standard: CLIM_TRUST (1 Question)
Standard: CLIM_EMO (1 Question)
Standard: CLIM_GOV (1 Question)
Standard: CLIM_POLSUPPORT (1 Question)
Standard: CLIM_WEATHER (2 Questions)
Standard: DEM (5 Questions)

EndSurvey: Advanced

Page Break

Start of Block: CONSENT



CONSENT Thank you Thank you for your interest in participating in this study. This study is run by an international team of researchers and is led by researchers at Harvard University and the University of Zurich. Before you begin, it is important that you are informed about the purpose and procedure of this research. Please read the following information carefully.

Purpose of this research

The purpose of this research is to gain insights into people's attitudes and their opinions about science. This research can help us to better understand how people view science.

What to expect from this study

You will be asked to answer questions on your attitudes and opinions about science. We will also ask you an open-ended question that will give you the possibility to elaborate on your answers. Lastly, you will also be asked to answer questions on climate change. Guidance on how to answer questions will be provided.

Anonymity

No personally identifying information will be collected. Any research data published in scientific journals or elsewhere will be anonymous and cannot be traced back to you. This completely anonymized data will be made publicly available.

About this study Participation will take about 15 minutes. You participate voluntarily and 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. You can ask all the questions you want before you decide.

If you have questions, concerns, or complaints, please contact:

Dr. Joseph Roche
Trinity College Dublin
joseph.roche@tcd.ie

By selecting "I consent to participate", you consent to the terms and conditions described above.

- ☐ I consent to participate (1)
- ☐ I do **NOT** consent to participate (0)

End of Block: CONSENT

Start of Block: DEM



DEM_GENDER

At the beginning of this survey, we'd like to ask you for some information about yourself...

What gender do you identify with?

- ☐ Woman (0)
 - ☐ Man (1)
 - ☐ Prefer to self-describe (2)
-
- ☐ Prefer not to say (99)



DEM_AGE How old are you?



DEM_EDU What is your highest completed level of education?

- ☐ Primary education (2)
- ☐ Secondary education (e.g., high school) (3)
- ☐ Higher education (e.g., university degree or higher education diploma) (4)
- ☐ Did not attend school (1)

End of Block: DEM

Start of Block: ATTCHECK_01

ATTCHECK_NUMBER Please write the number 213 into the comment box.

End of Block: ATTCHECK_01

Start of Block: DEFINITIONS

DEFINITIONS_SCI In this survey, we will ask you questions regarding science and scientists.

When we say “science”, we mean the understanding we have about the world from observation and testing. When we say “scientists”, we mean people who study nature, medicine, physics, economics, history, and psychology, among other things. Please proceed to the next question.

End of Block: DEFINITIONS

Start of Block: SCIINFO



SCIINFO

The following questions are about your media use.

Over the past 12 months, how often have you come across **information about science** in the following places?

	Never (1)	Once or twice during the year (2)	Several times during the year (3)	Once or twice a month (4)	Once or twice a week (5)	Almost every day (6)	Once or more per day (7)
In news articles in printed newspapers or magazines (SCIINFO_newspapersmags)	☐	☐	☐	☐	☐	☐	☐
In news shows or documentaries on TV or radio (SCIINFO_tvradio)	☐	☐	☐	☐	☐	☐	☐
In news articles on news websites or in news apps (SCIINFO_newswebsitesapps)	☐	☐	☐	☐	☐	☐	☐
In videos or podcasts on news websites or in news apps (SCIINFO_videospodcasts)	☐	☐	☐	☐	☐	☐	☐
In fictional films or series(e.g., on TV, in the cinema, or on other devices) (SCIINFO_filmsseries)	☐	☐	☐	☐	☐	☐	☐
In fictional books, comics, etc. (SCIINFO_books)	☐	☐	☐	☐	☐	☐	☐
On social media (e.g., YouTube vlogs, Facebook, TikTok clips, Instagram) (SCIINFO_socialmedia)	☐	☐	☐	☐	☐	☐	☐
In instant messaging conversations with friends or family (e.g., WhatsApp, Line, Telegram) (SCIINFO_messengers)	☐	☐	☐	☐	☐	☐	☐
In museums, zoos, or public talks (SCIINFO_museumszoos)	☐	☐	☐	☐	☐	☐	☐

In conversations with friends or family(i.e., outside the Internet and messaging apps) (SCIINFO_rlconversations)

☐ ☐ ☐ ☐ ☐ ☐ ☐

End of Block: SCIINFO

Start of Block: SCIENGAGE



SCIENGAGE

Over the past 12 months, how often have you done the following?

	Never (1)	Once or twice during the year (2)	Several times during the year (3)	Once or twice a month (4)	Once or twice a week (5)	Almost every day (6)	Once or more per day (7)
Had conversations with friends, family, or co-workers about scientific issues (e.g., climate change, vaccination, nutrition, new technologies) (SCIENGAGE_conversations)	☐	☐	☐	☐	☐	☐	☐
Chatted in messaging apps about scientific issues(e.g., WhatsApp, Telegram, Viber, Facebook Messenger) (SCIENGAGE_messengers)	☐	☐	☐	☐	☐	☐	☐
Shared or commented on social media posts about scientific issues (SCIENGAGE_socialmedia)	☐	☐	☐	☐	☐	☐	☐
Attended public rallies or protests related to scientific issues(e.g., COVID-19 protests, "Fridays for Future" demonstrations, "March for Science") (SCIENGAGE_publicprotests)	☐	☐	☐	☐	☐	☐	☐

End of Block: SCIENGAGE

Start of Block: BENEFIT_OPEN

BENEFIT_OPEN

Now we want to ask you a broader question. It is about your opinion about science in general.

Please use the text box below and write as much as you like. Your thoughts and opinions are important to us! There is no right or wrong answer.

Who do you think benefits the most from science and why?

End of Block: BENEFIT_OPEN

Start of Block: TRUST_OPEN

TRUST_OPEN

Now we want to ask you a broader question. It is about your opinion about science in general.

Please use the text box below and write as much as you like. Your thoughts and opinions are important to us! There is no right or wrong answer.

In your opinion, what makes a scientist trustworthy?

End of Block: TRUST_OPEN

Start of Block: BENEFIT_REGION



BENEFIT_ONESELF In your opinion, how much does scientific research **benefit people like yourself** in your country?

- ☐ Not at all (1)
- ☐ (2)
- ☐ (3)
- ☐ (4)
- ☐ Very strongly (5)

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BENEFIT_REGION_MOST Which region do you think benefits **THE MOST** from the work that scientists do?

- ☐ Africa (1)
- ☐ Asia (2)
- ☐ Australia and Oceania (3)
- ☐ Europe (4)
- ☐ Latin America (5)
- ☐ North America (6)

Page Break



BENEFIT_REGION_LEAST Which region do you think benefits **THE LEAST** from the work that scientists do?

- ☐ Africa (1)
- ☐ Asia (2)
- ☐ Australia and Oceania (3)
- ☐ Europe (4)
- ☐ Latin America (5)
- ☐ North America (6)

End of Block: BENEFIT_REGION

Start of Block: GOALS



GOALS_PRIO What **goals** should scientists prioritize?

	Very low priority (1)	(2)	(3)	(4)	Very high priority (5)
Improving public health (GOALS_PRIO_health)	☐	☐	☐	☐	☐
Solving energy problems (renewable sources, energy security) (GOALS_PRIO_energy)	☐	☐	☐	☐	☐
Reducing poverty (GOALS_PRIO_poverty)	☐	☐	☐	☐	☐
Developing defense and military technology (GOALS_PRIO_defense)	☐	☐	☐	☐	☐



GOALS_TACKLE How strongly do you believe that **science aims to tackle these goals?**

	Not at all (1)	(2)	(3)	(4)	Very strongly (5)
Improving public health (GOALS_TACKLE_health)	☐	☐	☐	☐	☐
Solving energy problems (renewable sources, energy security) (GOALS_TACKLE_energy)	☐	☐	☐	☐	☐
Reducing poverty (GOALS_TACKLE_poverty)	☐	☐	☐	☐	☐
Developing defense and military technology (GOALS_TACKLE_defense)	☐	☐	☐	☐	☐

End of Block: GOALS

Start of Block: NORMPERC



NORMPERC The following questions are about the relationship of science and politics. To what extent do you agree or disagree with the following statements?

	Strongly disagree (1)	(2)	(3)	(4)	Strongly agree (5)
Scientists should work closely with politicians to integrate scientific results into policy-making. (NORMPERC_integrate)	☐	☐	☐	☐	☐
Scientists should actively advocate for specific policies. (NORMPERC_advocate)	☐	☐	☐	☐	☐
Scientists should communicate their findings to politicians. (NORMPERC_communicate)	☐	☐	☐	☐	☐
Scientists should be more involved in the policy-making process. (NORMPERC_involved)	☐	☐	☐	☐	☐
Scientists should communicate about science with the general public. (NORMPERC_outreach)	☐	☐	☐	☐	☐
Scientists should remain independent from the policy-making process. (NORMPERC_independent)	☐	☐	☐	☐	☐

End of Block: NORMPERC

Start of Block: WILLVUL

WILLVUL_intro We are now interested in your opinion about personal and political decisions **related to science (e.g., on energy policy, health policy)**.

Please answer the following three questions.



WILLVUL_ppl How much or little should **people** rely on scientists' guidance when making lifestyle choices related to science?

- ☐ Not at all (1)
 - ☐ (2)
 - ☐ (3)
 - ☐ (4)
 - ☐ Very strongly (5)
-



WILLVUL_gov How much or little should **governments** rely on scientists' guidance when making decisions related to science?

- ☐ Not at all (1)
 - ☐ (2)
 - ☐ (3)
 - ☐ (4)
 - ☐ Very strongly (5)
-

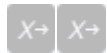


WILLVUL_you How much or little control do **you** want scientists to have on government decisions related to science?

- ☐ No control at all (1)
- ☐ (2)
- ☐ (3)
- ☐ (4)
- ☐ Very strong control (5)

End of Block: WILLVUL

Start of Block: TRUST_SCI



TRUST_SCI_expert

We are interested in your **opinion about scientists in your country**, including scientists working at universities, in government, at companies, and for non-profit organizations.

How expert or inexperienced are most scientists?

- ☐ Very inexperienced (1)
- ☐ Somewhat inexperienced (2)
- ☐ Neither expert nor inexperienced (3)
- ☐ Somewhat expert (4)
- ☐ Very expert (5)



TRUST_SCI_honest How honest or dishonest are most scientists?

- ☐ Very dishonest (1)
- ☐ Somewhat dishonest (2)
- ☐ Neither honest nor dishonest (3)
- ☐ Somewhat honest (4)
- ☐ Very honest (5)



TRUST_SCI_concerned How concerned or not concerned are most scientists about people's wellbeing?

- ☐ Not concerned (1)
- ☐ Somewhat not concerned (2)
- ☐ Neither concerned nor not concerned (3)
- ☐ Somewhat concerned (4)
- ☐ Very concerned (5)



TRUST_SCI_open How open are most scientists to feedback?

- ☐ Not open (1)
- ☐ Somewhat not open (2)
- ☐ Neither open nor not open (3)
- ☐ Somewhat open (4)
- ☐ Very open (5)

Page Break



TRUST_SCI_intellig

How intelligent or unintelligent are most scientists?

- ☐ Very unintelligent (1)
 - ☐ Somewhat unintelligent (2)
 - ☐ Neither intelligent nor unintelligent (3)
 - ☐ Somewhat intelligent (4)
 - ☐ Very intelligent (5)
-



TRUST_SCI_ethical How ethical or unethical are most scientists?

- ☐ Very unethical (1)
 - ☐ Somewhat unethical (2)
 - ☐ Neither ethical nor unethical (3)
 - ☐ Somewhat ethical (4)
 - ☐ Very ethical (5)
-



TRUST_SCI_improve How eager or uneager are most scientists to improve others' lives?

- ☐ Very uneager (1)
 - ☐ Somewhat uneager (2)
 - ☐ Neither eager nor uneager (3)
 - ☐ Somewhat eager (4)
 - ☐ Very eager (5)
-



TRUST_SCI_trans How willing or unwilling are most scientists to be transparent?

- ☐ Very unwilling (1)
 - ☐ Somewhat unwilling (2)
 - ☐ Neither willing nor unwilling (3)
 - ☐ Somewhat willing (4)
 - ☐ Very willing (5)
-

Page Break



TRUST_SCI_qualified

How qualified or unqualified are most scientists when it comes to conducting high-quality research?

- ☐ Very unqualified (1)
 - ☐ Somewhat unqualified (2)
 - ☐ Neither qualified nor unqualified (3)
 - ☐ Somewhat qualified (4)
 - ☐ Very qualified (5)
-



TRUST_SCI_sincere How sincere or insincere are most scientists?

- ☐ Very insincere (1)
 - ☐ Somewhat insincere (2)
 - ☐ Neither sincere nor insincere (3)
 - ☐ Somewhat sincere (4)
 - ☐ Very sincere (5)
-



TRUST_SCI_otherint How considerate or inconsiderate are most scientists of others' interests?

- ☐ Very inconsiderate (1)
- ☐ Somewhat inconsiderate (2)
- ☐ Neither considerate nor inconsiderate (3)
- ☐ Somewhat considerate (4)
- ☐ Very considerate (5)



TRUST_SCI_othersviews How much or little attention do scientists pay to others' views?

- ☐ Very little attention (1)
- ☐ Somewhat little attention (2)
- ☐ Neither much nor little attention (3)
- ☐ Somewhat much attention (4)
- ☐ Very much attention (5)

End of Block: TRUST_SCI

Start of Block: TRUST_METHOD



TRUST_METHOD

To what extent do you agree or disagree with the following statement?

“Scientific research methods are the best way to find out if something is true or false.”

- ☐ Strongly disagree (1)
- ☐ (2)
- ☐ (3)
- ☐ (4)
- ☐ Strongly agree (5)

End of Block: TRUST_METHOD

Start of Block: TRUST_PEW



TRUST_PEW How much confidence do you have in scientists to act in the best interests of the public?

- ☐ No confidence at all (1)
- ☐ (2)
- ☐ (3)
- ☐ (4)
- ☐ A great deal of confidence (5)

End of Block: TRUST_PEW

Start of Block: OUTSPOKEN



OUTSPOKEN Thank you very much for your responses! You have completed the majority of this survey. Please indicate how strongly you agree or disagree with the following statements.

	Strongly disagree (1)	(2)	(3)	(4)	Strongly agree (5)
I will share my opinions about scientific issues, regardless of what others think of them. (OUTSPOKEN_othersthink)	☐	☐	☐	☐	☐
I will share my opinions about scientific issues, even if this may isolate me from others. (OUTSPOKEN_isolate)	☐	☐	☐	☐	☐
I will share my opinions about scientific issues, even if I believe others are against them. (OUTSPOKEN_against)	☐	☐	☐	☐	☐

End of Block: OUTSPOKEN

Start of Block: SCIPOP



SCIPOP The following statements are about the relationship between science and society. How much do you agree or disagree with them?

	Strongly disagree (1)	(2)	(3)	(4)	Strongly agree (5)
Ordinary people have in common that they trust their common sense in everyday life. (SCIPOP_common)	☐	☐	☐	☐	☐
Ordinary people are of good and honest character. (SCIPOP_good)	☐	☐	☐	☐	☐
Scientists are only interested in their own advantage. (SCIPOP_advantage)	☐	☐	☐	☐	☐
Scientists are in cahoots with politicians and businesses. (SCIPOP_cahoots)	☐	☐	☐	☐	☐
Ordinary people should have influence on the work of scientists. (SCIPOP_influence)	☐	☐	☐	☐	☐
Ordinary people should be involved in decisions about the topics scientists research. (SCIPOP_involved)	☐	☐	☐	☐	☐
Ordinary people should trust their life experience more than the recommendations of scientists. (SCIPOP_lifeexp)	☐	☐	☐	☐	☐
Our society should rely more on common sense than on scientific studies. (SCIPOP_rely)	☐	☐	☐	☐	☐

To show us that you
are still paying
attention, please
select “**strongly
disagree**”.
(ATTCHECK_RES)

☐

☐

☐

☐

☐

End of Block: SCIPOP

Start of Block: SDO

SDO **There are many kinds of groups in the world: men and women, ethnic and religious groups, nationalities, political factions.**

How much do you favor or oppose the ideas about groups in general?

	Extremely oppose (1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	Extremely favor (10)
In setting priorities, we must consider all groups. (SDO_allgroupsconsider)	☐	(	(	(	(	(	(	(	(	☐
We should not push for group equality. (SDO_notpushequality)	☐	(	(	(	(	(	(	(	(	☐
Group equality should be our ideal. (SDO_equalityideal)	☐	(	(	(	(	(	(	(	(	☐
Superior groups should dominate inferior groups. (SDO_superiordominate)	☐	(	(	(	(	(	(	(	(	☐

End of Block: SDO

Start of Block: CLIM_TRUST

CLIM_TRUST
You have answered almost all questions!

In the remainder of the survey, we would like to ask you some questions on the topic of **climate change**.

To what extent do you trust scientists in your country who work on climate change?

- ☐ Not at all (1)
- ☐ (2)
- ☐ (3)
- ☐ (4)
- ☐ Very strongly (5)

End of Block: CLIM_TRUST

Start of Block: CLIM_EMO



CLIM_EMO To what extent does climate change make you feel any of the following?

	Not at all (1)	(2)	(3)	(4)	Very strongly (5)
Helpless (CLIM_EMO_helpless)	☐	☐	☐	☐	☐
Anxious (CLIM_EMO_anxious)	☐	☐	☐	☐	☐
Optimistic (CLIM_EMO_optimistic)	☐	☐	☐	☐	☐
Angry (CLIM_EMO_angry)	☐	☐	☐	☐	☐
Guilty (CLIM_EMO_guilty)	☐	☐	☐	☐	☐
Ashamed (CLIM_EMO_ashamed)	☐	☐	☐	☐	☐
Depressed (CLIM_EMO_depressed)	☐	☐	☐	☐	☐
Pessimistic (CLIM_EMO_pessimistic)	☐	☐	☐	☐	☐
Indifferent (CLIM_EMO_indifferent)	☐	☐	☐	☐	☐

End of Block: CLIM_EMO

Start of Block: CLIM_GOV



CLIM_GOV

To what extent do you agree or disagree with the following statements?

In relation to climate change I believe that my government is...

	Strongly disagree (1)	(2)	(3)	(4)	Strongly agree (5)
Taking my concerns seriously (CLIM_GOV_concerns)	☐	☐	☐	☐	☐
Doing enough to avoid climate change (CLIM_GOV_doingenough)	☐	☐	☐	☐	☐
Dismissing people's distress (CLIM_GOV_dismisspeople)	☐	☐	☐	☐	☐
Acting in line with climate science (CLIM_GOV_science)	☐	☐	☐	☐	☐
Protecting future generations (CLIM_GOV_futuregens)	☐	☐	☐	☐	☐
Trustworthy (CLIM_GOV_trustworthy)	☐	☐	☐	☐	☐
Lying about the effectiveness of their actions taking (CLIM_GOV_lying)	☐	☐	☐	☐	☐

End of Block: CLIM_GOV

Start of Block: CLIM_POLSUPPORT



CLIM_POLSUPPORT

Many countries have introduced policies to reduce carbon emissions and mitigate climate change. This can include the implementation of laws aiming to reduce greenhouse gases, for example.

Please indicate your level of support for the following policies.

	Not at all (1)	Moderately (2)	Very much (3)	Not applicable (4)
Raising carbon taxes on gas and fossil fuels or coal (CLIM_POLSUPPORT_fueltax)	☐	☐	☐	☐
Expanding infrastructure for public transportation (CLIM_POLSUPPORT_publictransport)	☐	☐	☐	☐
Increasing the use of sustainable energy such as wind and solar energy (CLIM_POLSUPPORT_sustenergy)	☐	☐	☐	☐
Protecting forested and land areas (CLIM_POLSUPPORT_protection)	☐	☐	☐	☐
Increasing taxes on carbon intense foods (e.g., beef and dairy products) (CLIM_POLSUPPORT_foodtax)	☐	☐	☐	☐

End of Block: CLIM_POLSUPPORT

Start of Block: CLIM_WEATHER



CLIM_WEATHERPAST The next questions are about climate change and weather events. When you answer them, please think about **your country**.

To what extent do you think that climate change has increased the impact of the following weather events **over the last decades**?

	Not at all (1)	(2)	(3)	(4)	Very much (5)
Floods (CLIM_WEATHERPAST_floods)	☐	☐	☐	☐	☐
Heatwaves (CLIM_WEATHERPAST_heatwaves)	☐	☐	☐	☐	☐
Heavy storms (CLIM_WEATHERPAST_heavystorms)	☐	☐	☐	☐	☐
Wildfires (CLIM_WEATHERPAST_wildfires)	☐	☐	☐	☐	☐
Heavy rain (CLIM_WEATHERPAST_heavyrain)	☐	☐	☐	☐	☐
Droughts (CLIM_WEATHERPAST_droughts)	☐	☐	☐	☐	☐



CLIM_WEATHERFUTU To what extent do you think that climate change will increase the impact of the following weather events **in the future?**

	Not at all (1)	(2)	(3)	(4)	Very much (5)
Floods (CLIM_WEATHERFUTU_floods)	☐	☐	☐	☐	☐
Heatwaves (CLIM_WEATHERFUTU_heatwaves)	☐	☐	☐	☐	☐
Heavy storms (CLIM_WEATHERFUTU_heavystorms)	☐	☐	☐	☐	☐
Wildfires (CLIM_WEATHERFUTU_wildfires)	☐	☐	☐	☐	☐
Heavy rain (CLIM_WEATHERFUTU_heavyrain)	☐	☐	☐	☐	☐
Droughts (CLIM_WEATHERFUTU_droughts)	☐	☐	☐	☐	☐

End of Block: CLIM_WEATHER

Start of Block: DEM



DEM_INCOME **You're almost finished! There are just a couple of short questions left.**

Please indicate your household's yearly net income (in local currency).

Page Break



DEM_POL_conservative **Political orientations are often classified on a left-right spectrum or a liberal-conservative spectrum.**

Please indicate your political orientation.

- ☐ Strongly liberal (1)
 - ☐ (2)
 - ☐ (3)
 - ☐ (4)
 - ☐ Strongly conservative (5)
 - ☐ I don't know (99)
-



DEM_POL_right

- ☐ Strongly left-leaning (1)
 - ☐ (2)
 - ☐ (3)
 - ☐ (4)
 - ☐ Strongly right-leaning (5)
 - ☐ I don't know (99)
-

Page Break



DEM_RELIGIOUS Please indicate to what extent you consider yourself religious.

- ☐ Not religious at all (1)
- ☐ (2)
- ☐ (3)
- ☐ (4)
- ☐ Very strongly religious (5)

Page Break



DEM_RESIDENCE Which of the following best describes the area you live in?

☐ Rural (1)

☐ Urban (2)

End of Block: DEM
