Welcome

Dear IGST 2019 participant,

At the upcoming conference, I will give a brief introduction to the pressing issue of global warming, the science behind it, outline of contributing factors and possibilities towards keeping the effect under control (Tuesday, 16 July, starting 17:30). This will include a discussion of how we as a scientific community (do/may/should/should not) contribute to the problem and to its resolution. In order to receive some actual data on our customs in conducting our research, I kindly ask you to fill out the following survey. Noteworthy results will feed into the talk or discussion.

Please note:

- This survey is anonymous.
- It may take around 10–15 minutes to fill; more time may be needed if you wish to provide detailed answers.
- Please complete only once per IGST 2019 participant.
- Please reply until Thursday, 11 July; later answers are appreciated, but may not be taken into account for the event.
- Each individual answer is voluntary and consistency checks will not be performed.
- You will be free to proceed at any point without replying to individual questions. Please complete the survey even if you do not reply to all questions.

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Thank you very much for your assistance, Niklas Beisert

Academic Position

It will be useful to understand your current academic position to put further replies into context.

- 1. Current academic position: select what fits best
 - PhD student or before
 - postdoc (advising up to one PhD student)
 - junior / group leader / non-tenured (with dependent researchers)
 - senior / tenured (\leq three dependent researchers)
 - senior / tenured (> three dependent researchers)
 - other / not disclosed
- 2. Number of years active in academia: since beginning of PhD studies

- 3. Your geographic region:
 - Europe (centre)
 - Europe (north)
 - Europe (west)
 - Europe (south)
 - Europe (east)
 - North America (east)
 - North America (west)
 - South America
 - Asia (west)
 - 🔵 Asia (east)

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Jother (please specify) or not disclosed:
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Travel to IGST 2019

Business travel is a key contributing factor in our profession. This page asks about some details of your travel to the upcoming IGST 2019.

- 4. By what *primary* means will you travel to IGST 2019 please indicate the means used for the main part of the journey
 - none/local transport (<100 km) flight train bus individual (car, motorcycle)

other (please specify) or not disclosed:

5. How long will the travel take?

in hours, one way, approximately, house/office to accommodation

- How many segments will the travel consist of? one-way, excluding local transport (within city and surroundings)
- 7. Geodesic distance travelled by flight:

for air travel, leave blank otherwise; in km, one-way, approximate; e.g. in google maps, right-click/context menu, measure distance

8. Actual distance travelled on surface:

for surface travel, leave blank otherwise; in km, one-way, approximate; e.g. in google maps, use directions, select by car

Work-Related Travel

This page asks for your practices, choices and boundary conditions concerning work-related travel. Please consider the situation up to now, and do not include your intentions for the future.

- 9. How many workshops do you attend per year? on average
- 10. How many external seminar talks do you give per year? on average
- 11. How many other work-related external events do you attend per year? on average; committees, PhD defences, ...
- 12. How do you *typically* choose your means of travel? please choose what describes best your preferences
 - flight unless destination close
 - trains unless destination far
 - cheap(est) option
 - fast(est) option
 - (most) convenient option
 - no rule of thumb or other (specify if you wish):
- 13. Personal threshold for travel time on surface-based transport before choosing flights: in hours, one-way; how many hours would you normally be willing to spend in trains or busses to reach the destination of a scientific event (above which you would choose to fly)?
- 14. Estimate of your average work-related CO2 emissions:
 - only if you have a rough estimate or you can figure it out easily
 - odon't know not interested would not like to share
 - in tonnes CO2 equivalent / year:
- 15. Does your research institution have a (written) policy regarding the means of work-related travel in terms of its environmental impact?
 - no institutional policy
 - advice to reduce CO2 emissions
 - rules towards avoiding CO2 emissions
 - 🔵 don't know
- 16. Did your research group (or your peers at your institution) discuss options to reduce work-related CO2 emissions?

not discussed the matter

discussed the matter (without conclusions)

advice towards reducing CO2 emissions

rules towards avoiding CO2 emissions

🔵 don't know

17. Does your research institution or group make compensating payments for your work-related travel?

always
upon request
expenses can be reimbursed
discussions ongoing
no
don't know

18. Have your travel activities changed in recent years *because of* the increased attention towards global warming? select what describes best your situation; exclude other contributing factors such as teaching and administration duties, family

$ \bigcirc $	no
С	not much
C	a bit
C	somewhat
Ć	significantly
Ć	substantially
Ĉ	can't say or other (please specify)

Alternative Means

This is to explore the viability and popularity of some alternative means in conducting research and scientific exchange.

19. Do you think work-related CO2 emissions should be reduced?

on a 5-year horizon; select what fits best your opinion

should be reduced substantially / with high priority

should be reduced even if scientific work is affected

we should reduce where no harm to scientific work

we should focus on our science, not auxilary issues

no need to reduce, impact of work in science is low

no preference or other (please specify):

20. How effective do you consider the following measures in terms of significantly reducing work-related CO2 emissions?

	very effective	effective	neutral	ineffective	very ineffective	don't know
individual decision	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
institutional guidelines	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
institutional rules	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc

funding agency policies	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
scientific community agreement	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
governmental CO2 pricing	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc

- 21. How many talks by video conference have you given? seminar talks or talks at workshops, conferences; absolute number, approximately
- 22. How many talks by video conference have you attended? seminar talks or talks at workshops, conferences; absolute number, approximately
- 23. How often do you attend professional meetings by video conference? committees, PhD defences, etc with at least one remote participant; NOT scientific collaborations; per year, approximately
- 24. What are reasons for avoiding video conference talks?

	strongly agree	agree	neutral	disagree	strongly disagree	no opinion
interruptions due to connection problems	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
available software insufficient	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
space to participate at home institution inadequate	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
remote talks less effective (but still useful)	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
would not reserve time or full attention	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
lack of possibilities to interact with speaker	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
lack of possibilities to interact with other participants	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
remote talks inadequate	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc

25. Suggestions for reducing work-related CO2 emissions: What would you consider useful? What would you consider counter-productive?

General

The following two questions may help to put the other replies into context. Feel free to skip.

26. Do you know an estimate of your yearly CO2 equivalent footprint? exclude job-related emissions, include regular travel to work

exclude job related emissions, meldae regular daver to work
Odon't have number at hand / should calculate it
Odon't know
Onot interested
would not like to share
in tonnes CO2 equivalent / year:

27. Service(s) used to compute previous answer: e.g. WWF, atmosfair, myclimate, carbonfootprint, governmental agencies, etc. (note that resulting numbers can vary largely with the aspects taken into account by the service and their quantification)

28. What is your stand on the topic of global heating?

	strongly agree	agree	neutral	disagree	strongly disagree	no opinion
I do whatever I can to reduce my CO2 footprint	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
I care but my CO2 footprint is too high	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
Individuals cannot solve the problem, regulations are needed	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
My potential impact is insignificant, isolated solutions cannot help	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
It is one among many pressing global problems	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
Mankind will deal with the consequences of warming	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
The scientific case for (human induced) climate change is weak	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc