An assessment of MPIA's travel activities



Flying first Computing second





We are just a bunch of people interested in sustainability Please join us...

Intranet

Sustainability

SustainabiliTea meetings Fridays 11:30am on Titan

How do we get our data?



Assumptions

we draw a direct line on the globe \rightarrow we assume return flight \rightarrow we add 20%



Assumptions



So how many trips did we take?



So where are we flying to?

Number of flights vs. CO_{2eq} emissions by destination



Overseas make up 15% of trips by number...

...but 82% of trips by CO_{2eq} emissions.



Average CO_{2eq} per destination continent

How long do we stay there?

CO_{2eq} emissions vs. duration of travel



What are we doing, when flying overseas?



Per year and researcher we have ~0.75 overseas flights (outside of the pandemic)

How did the pandemic affect



Summary

Overseas flights are having by far the highest CO_{2eq} impact

During the pandemic the travel emissions dropped by a factor of 40

We could do this analysis for 50% of the MPIs and have a yearly travel monitor

Please take the short anonymous survey: Link is posted in the chat window

Should MPIA set reduction targets for CO2 emissions arising from our travel activities?

Do you have the feeling that your short-term science output was diminished due to less flying during the pandemic?

Do you think the impact on your science output will grow if the pandemic situation persists?

Do you plan to fly as much as pre-covid?

Showing the results for galaxy coffee audience



Do you have the feeling that your short-term science output was dimi...

Beantwortet: 37 Übersprungen: 0



Do you think the impact on your science output will grow if the pande...

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Do you plan to fly as much as pre-covid?

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Showing the results for PSF coffee audience









What did we take from the pandemic? (e.g. conferences, meetings, workshops, collaborations - can we imagine doing all of this online?)

Different dimensions (observations, collaboration, conferences, commissioning, career development, prestige, perks, settling abroad)

How is your flight experience. Which journeys were good which were bad (science wise).

How about the pandemic. What are you missing?

How do young career astronomers feel about not having the chance to network in person

Making a conscious decision when flying. What do you gain by flying somewhere?

Thanks for listening