



**OHBM 2021**

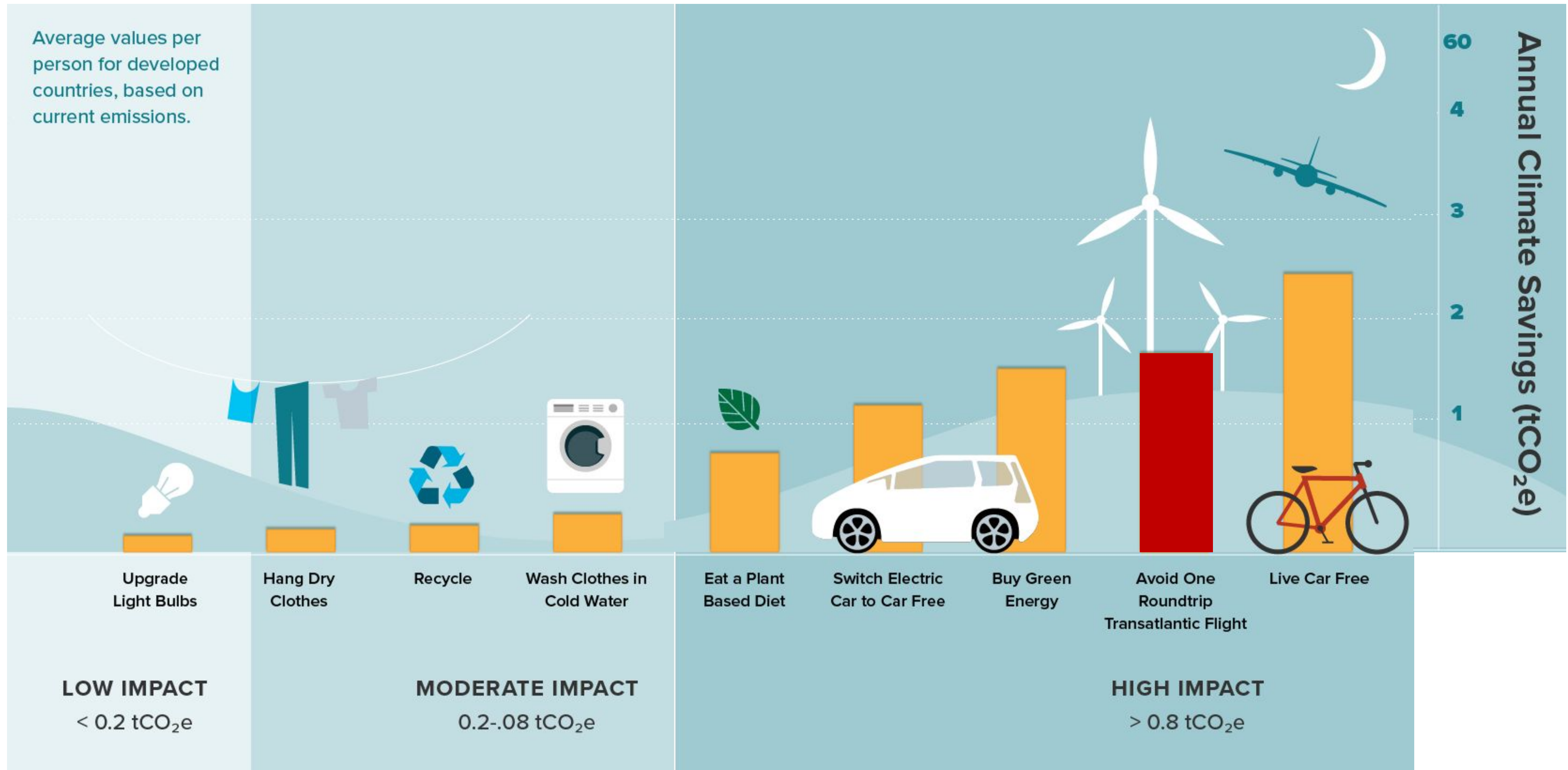
# Decarbonizing science: action in academic communities and institutions

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Slides: [anneurai.net/green-neuroscience](https://anneurai.net/green-neuroscience)

# Individual carbon emissions





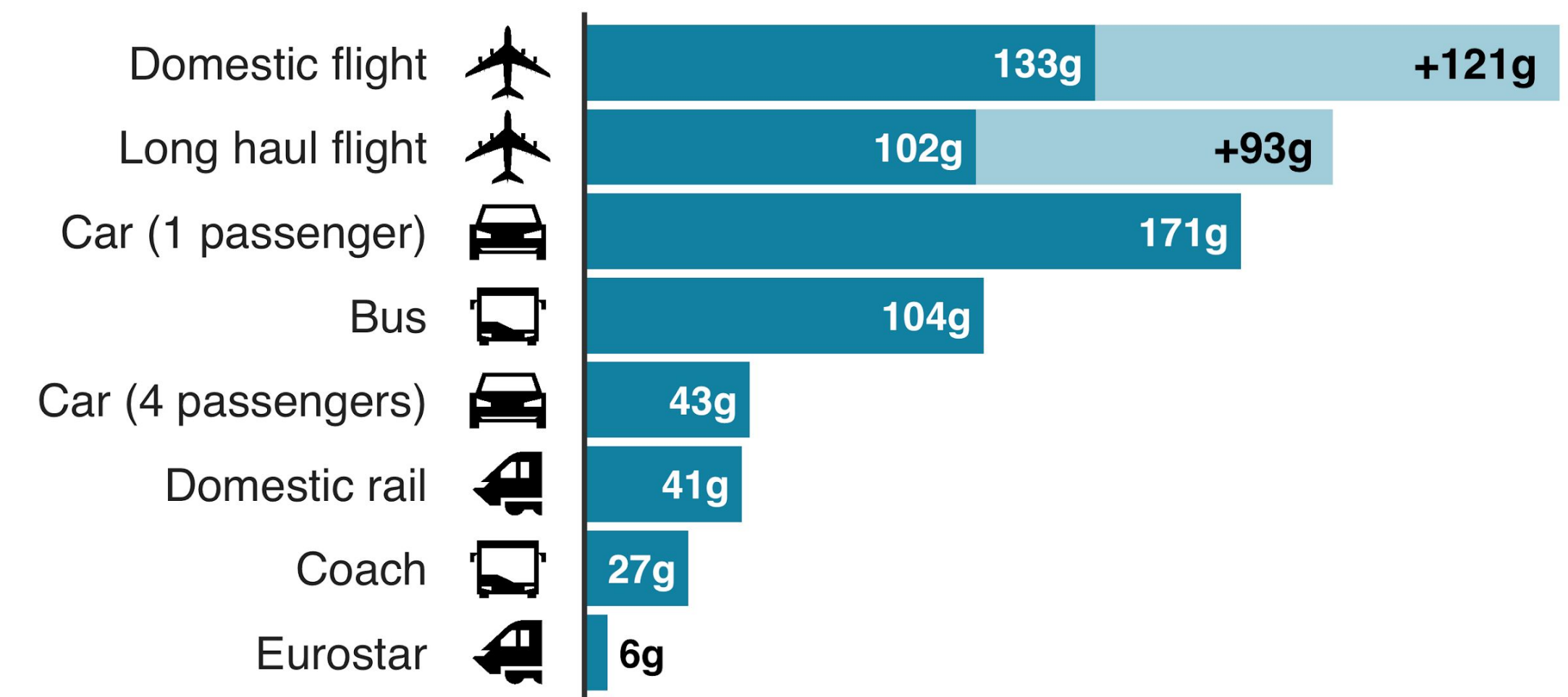
# How to fly less

- Travel overland: rail, car(share)
  - Enjoy and take time - slow travel
- Collaborate & conference locally
- When flying:
  - combine multiple trips into one
  - don't fly first class
- Spread the word!

## Emissions from different modes of transport

Emissions per passenger per km travelled

■ CO2 emissions ■ Secondary effects from high altitude, non-CO2 emissions



Note: Car refers to average diesel car

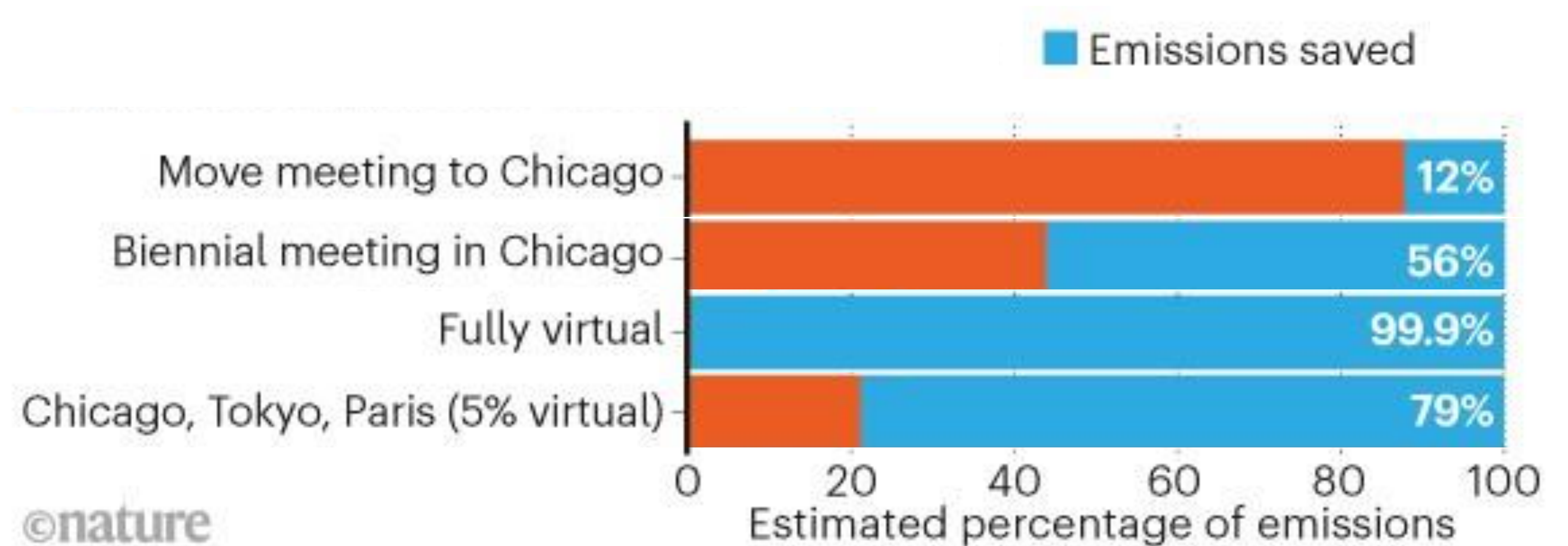
Source: BEIS/Defra Greenhouse Gas Conversion Factors 2019



<https://www.bbc.com/news/science-environment-49349566>

# Push for greener conferences

- Pick location wisely
  - <https://travel-footprint-calculator.irap.omp.eu/>
- Reduce frequency
- Change to virtual
- Hybrid: virtual  
+ local hubs

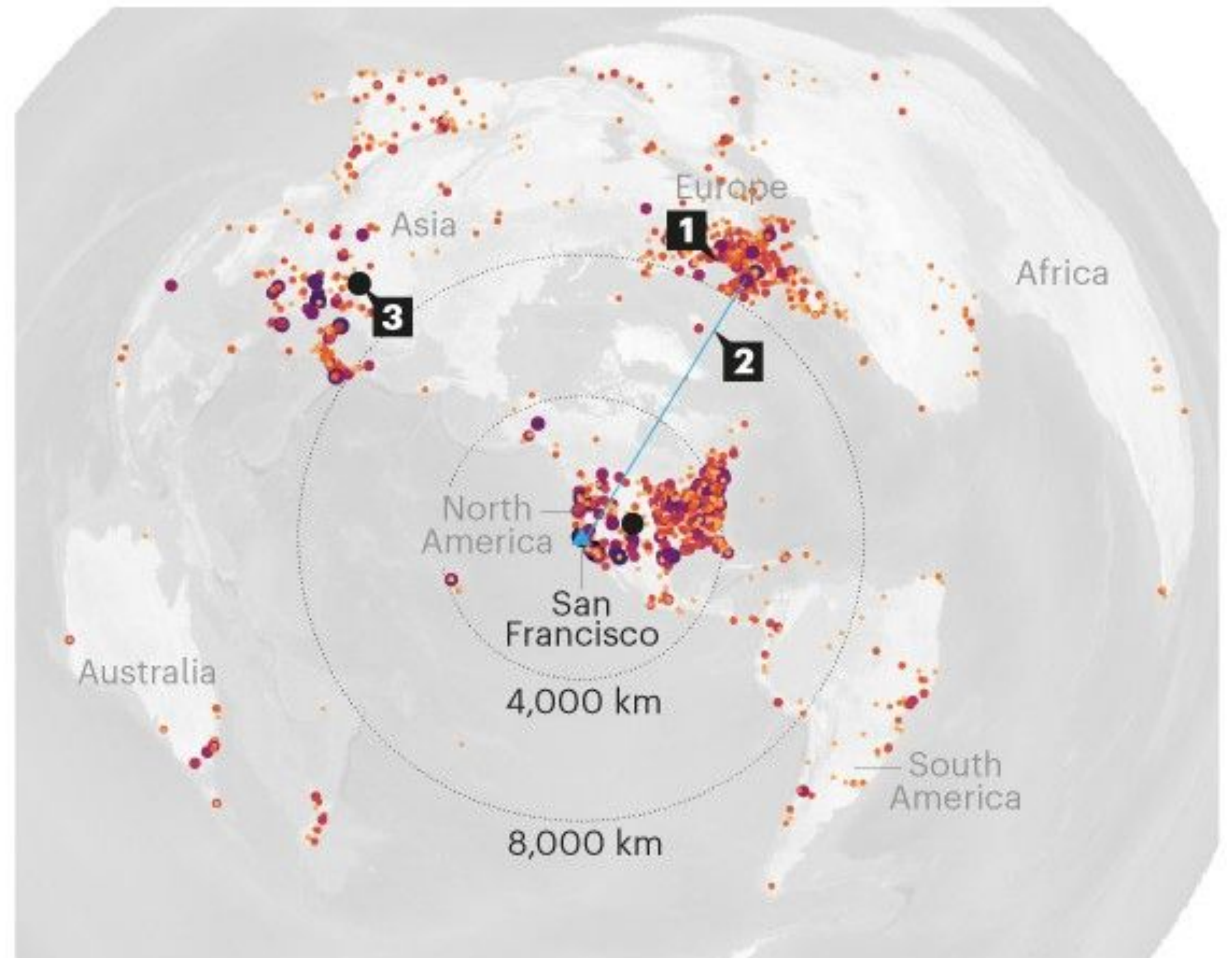


Source: M. Klöwer <https://doi.org/10.5281/zenodo.3553784> (2019)



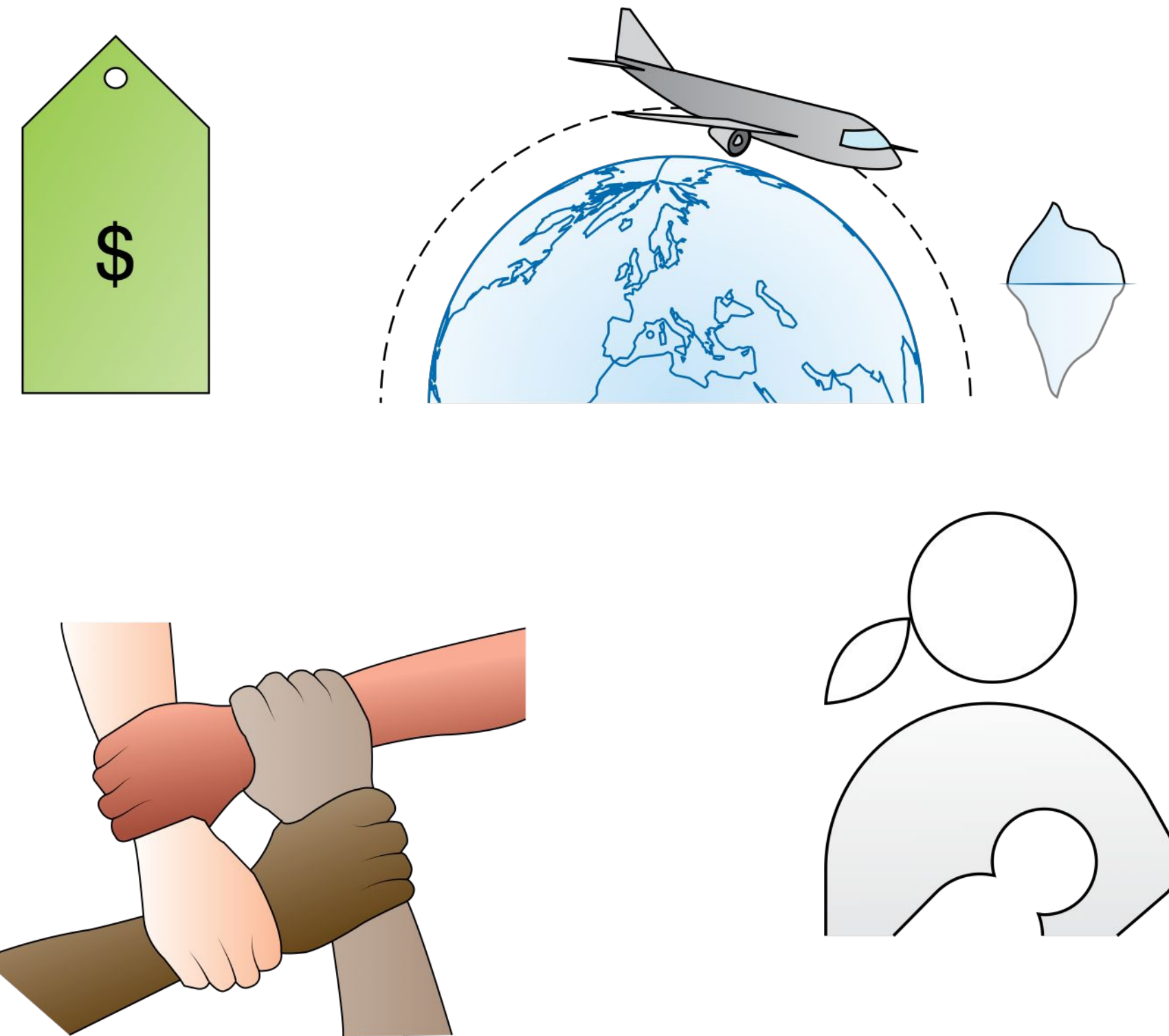
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# Greener conferences

- Low cost
- Accessibility
  - Visa restrictions
  - Family responsibilities
  - Travel difficulties
- *More diversity*



Sarabipour S, Khan A, Seah YFS, Mwakilili AD, Mumoki FN, Sáez PJ, Schwessinger B, Debat HJ, Mestrovic T (2021) Changing scientific meetings for the better. *Nature Human Behaviour* 5:296–300.