

DISC 2023

Environmental chairs report

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DISC 2023 business meeting

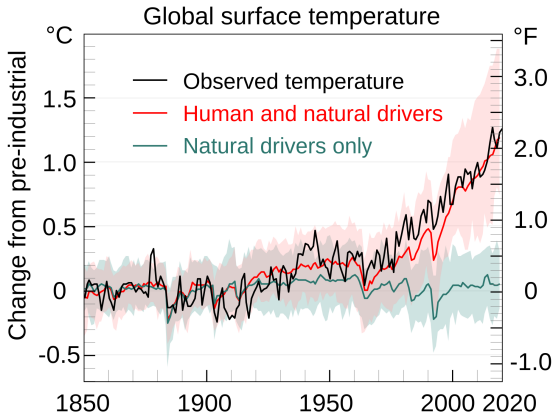
Role and outline

- ▶ Environmental chairs are part of the local organizing committee.
- ▶ Goal: Estimate carbon footprint of the conference, explore alternatives, implement local changes.
- ▶ Inspiration from ICALP 2022.

Outline of this presentation:

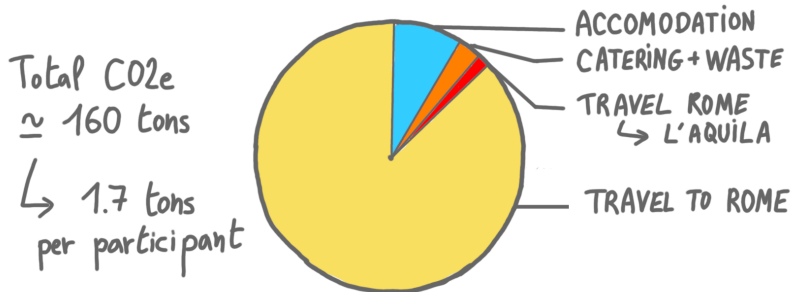
- ▶ DISC 2023 carbon emissions estimates
- ▶ Local actions
- ▶ Short presentation of the travel report

Context: Climate crisis



- ▶ CO₂e emissions/person/year: current world average \approx 5 tons, US \approx 15 tons, Paris agreement target \approx 1.5 tons.

DISC 2023 Evaluations



- ▶ Getting precise estimates for non-travel emissions requires many design choices.
- ▶ A large majority of the emissions are due to participant travel.

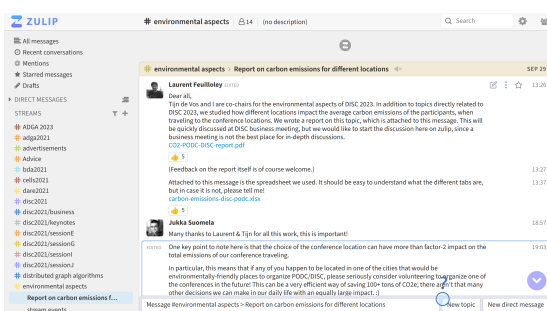
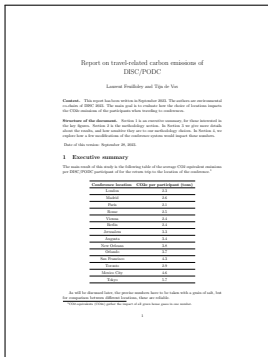
Local actions

Inspired by ICALP 2022, and discussion within the community.

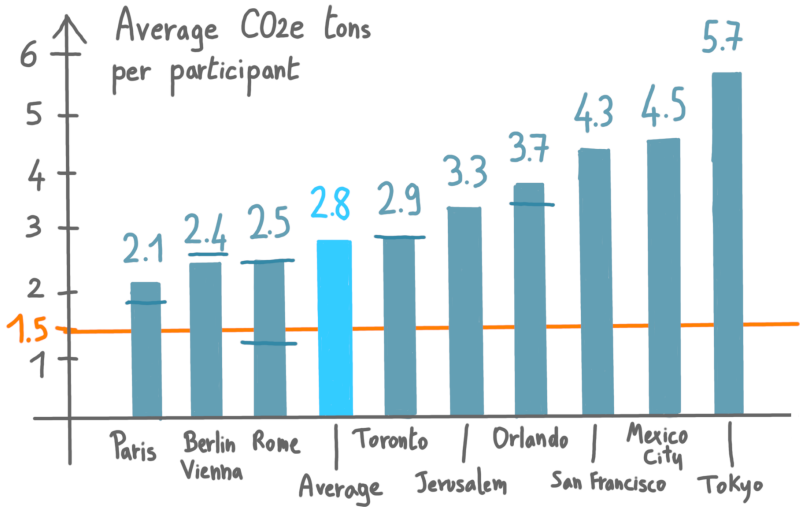
- ▶ DISC Extended Stay Support Scheme.
 - Idea: list people working “close” to the conference who agree to host some conference participants for research visits.
 - Contacted 15 groups.
 - 5 groups agreed.
 - \approx 1 visit organized.
- ▶ Collaborative Research Week: could not happen.
- ▶ Looking at carbon offsets → not convincing.

Travel report

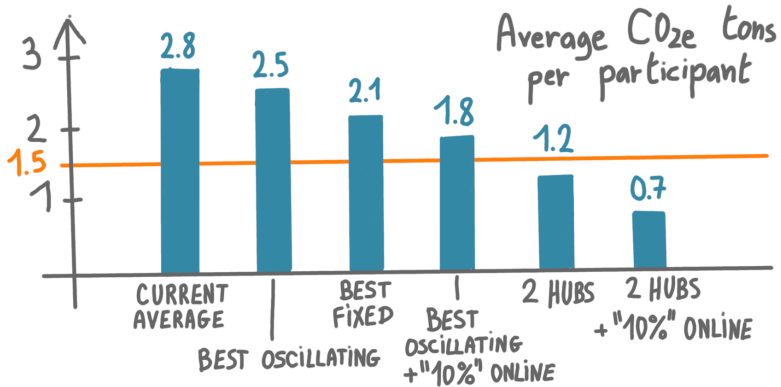
- ▶ Original goal: Study how different locations impact CO2 emissions.
- ▶ By-product: a model to predict emissions for various attendance policies.
- ▶ Report sent on PODC mailing list, and discussion on zulip.



Different locations

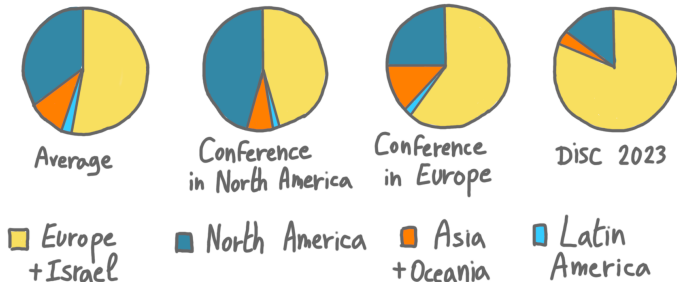


Different policies



Open problems

Participants by geographic area



- ▶ This edition: an outlier or a consequence of personal policies?
- ▶ Open problem: how to maintain the PODC/DISC community, while strongly reducing its carbon emissions?
- ▶ Other location-related issues not mentioned here: visas and health/identity/family situations.