

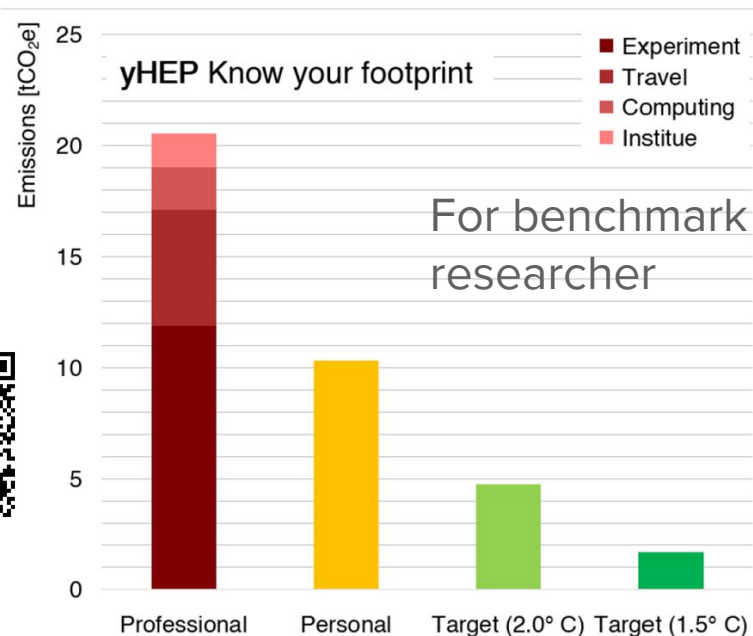
Know your footprint - and how to go on -

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Discussion Evening: Sustainability in ErUM-Data
18.11.2024

Know your footprint - What is it?

Aim: Understand the professional footprint of researchers in High Energy Physics and related areas → Estimate per researcher per year

- Split into: Experiment, Institute, Computing and Travel
 - Compare to the private footprint
- Publication on [arXiv](#), and released Know-your-footprint (Kyf) calculator for personalized emissions
 - Including option to submit the data to us for further analysis and statistics
- Publication submitted to [npj Climate Action](#)



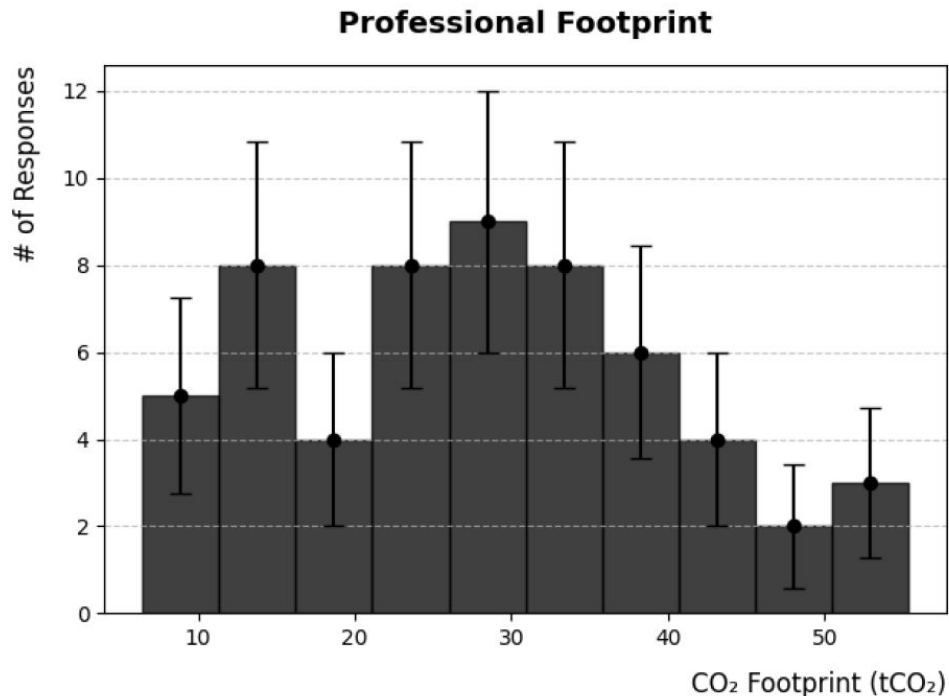
Know your footprint - Where do we stand?

Raising awareness for the need for action in our field

- Presentations at various occasions
 - Seminar talks at KCETA colloquium Karlsruhe and at PSI, Switzerland
 - Presentation at [ICHEP2024](#), Workshop at [SustHEP2024](#)
 - Presentation at [ErUM-Data Python school](#) Aachen 2024

First look into the collected data

- Benchmark researcher below average → lots of work ahead!



Improve your footprint - Where do we go?

Advancing the granularity and applicability of Know-you-footprint

- Make the Kyf calculator global & independent
 - Include more countries, experiments, institutes, etc. → Build own more flexible platform
- Provide feedback on how to Improve your footprint (lyf)
 - Use case for Artificial Intelligence (AI) → BUT needs to be sustainable, trustworthy, and consider human needs → All three criteria still major issues for AI
- But: Further developments will need funding: Propose ErUM-Data project
 - Kyf initiative fully driven by early-career researchers (ECRs) → Possible now for ECRs to obtain funding in ErUM-Data call

→ If interested in a collaboration, please let us know