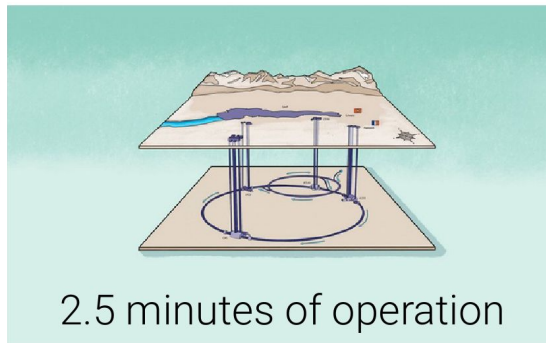
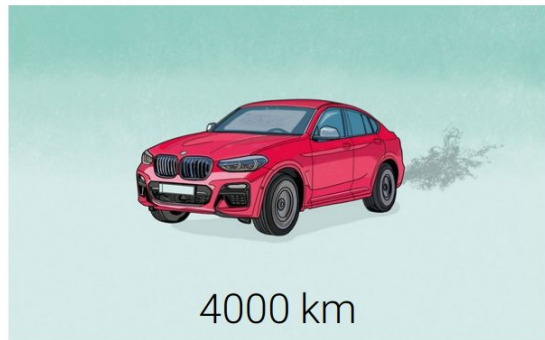


DESY FH SUSTAINABILITY FORUM

1 Ton of CO₂ is...



Juliette Alimena, Ben Brüers,
Nils Gillwald, Eleanor Jones

DESY Hamburg and Zeuthen

April 21st, 2023
FH Fellows Meeting

<https://www.sueddeutsche.de/projekte/artikel/wissen/kohlendioxid-e412457/>

The Climate Crisis is here.

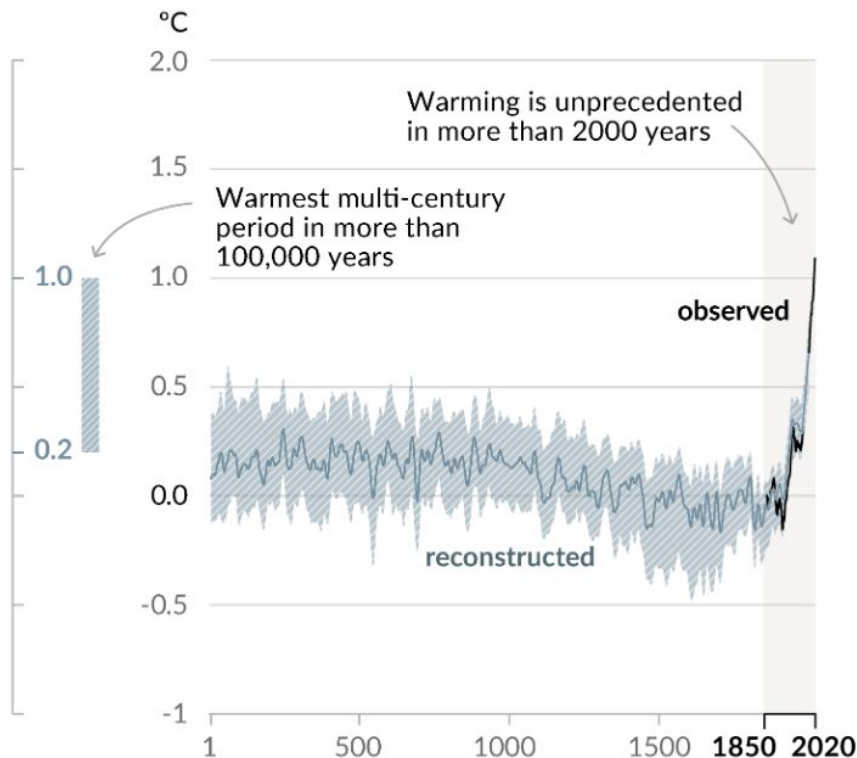
Forest Fires, Saxony, Summer 2022



Drought, river Rhine, Summer 2022



a) Change in global surface temperature (decadal average) as **reconstructed** (1-2000) and **observed** (1850-2020)



FH contributes to this...

- DESY consumes energy equivalent to ~150,000 citizens per day (2021) ([Source](#))
- CERN consumes energy of 1.2 TWh per year (2018): ~1/3 of the electrical energy consumed by all of the households in the canton of Geneva ([Source](#))
- On top: “indirect” contributions
 - Production of parts for detectors, computing centers, ...
 - Building and maintenance of other infrastructure, heating
 - Travel: Conferences, shifts, workshops, ...
 - ...

So FH should help...

- Set up the DESY FH Sustainability Forum ~1.5 years ago
- Monthly forums with specific topics, e.g. [Climate impact of particle physics](#), [Sustainable computing in HEP](#), [The KITTEN test facility](#), [Eco-friendly gaseous detectors](#), [DAF Energy Consumption Optimization](#)
- In progress event organisations, e.g. sustainable computing workshop in conjunction with IT, DESY-wide clean room optimisation workshop...

A platform to discuss and share ideas and projects for sustainable HEP

Monthly talks on a variety of topics and initiatives

Next meeting:

[Software training in the HEP Software Foundation](#)

5th June 2023

The Sustainability Forum

Email list for announcements

Subscribe to:
fh-forum-sustainability

Workshops

Organising various workshops dedicated to sustainability efforts in FH at DESY

Join us!

If you have ideas, or want to get involved, please do get in contact with us!

Questions? Contact us on:

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