


CO₂ Path Team – Starting Points

4.3.A 2020: Year of Coronavirus Pandemic


 The year 2020 with the coronavirus pandemic can be, in terms of the climate crisis, a very valuable learning experience. However, data on CO₂ emissions during the year 2020 shall not be counted towards CO₂ reduction goals (neither the apparent reduction achieved during this year, nor the contribution to the integrated emissions during a longer period). Moreover, the absolute timeframe of reduction goals until 2025 shall remain unchanged.

4.3.B Update Air Travel Project Goals

 The department agrees on a set of revised goals for the anticipated CO₂ equivalent emission path regarding travel at D-PHYS:

| year | emission rate (t[CO ₂ eq]/yr/FTE) | % | integrated since 2021 (t[CO ₂ eq]/FTE) | rate per researcher (t[CO ₂ eq]/yr/resFTE) |
|-------------|---|-----|--|--|
| 2016 – 2018 | 2.33 | 100 | | 3.26 |
| 2021 | 1.63 | 70 | 1.7 | 2.28 |
| 2025 | 1.17 | 50 | 7.0 | 1.64 |
| 2030 | 0.89 | 38 | 12.2 | 1.25 |
| 2040 | 0.45 | 20 | 18.9 | 0.62 |




4.3.C Fairness

 All research groups aim to have low CO₂ emissions. Research groups with above-average CO₂ emissions will make efforts to achieve above-average reductions. Research groups with below-average CO₂ emissions will make efforts to remain below average.

4.3.D Air Travel Monitoring in ETHIS

 The availability, accessibility and reliability of the relevant CO₂ emission monitoring data for the individual research groups is essential for the development of the air travel project.

CO₂ Doc Color/Icon Scheme

-  **actions** that we propose to implement as policies of D-PHYS, such as revised emission goals, measures to reduce air travel and promotion of videoconferencing;
-  **guidelines** that are intended for implementation by individuals in the sense of a best practice, e.g. the participation in virtual conferences or sustainable travel planning;
-  **ideas** for further development and long-term implementation by the department or in a larger context, for example ETH-wide, such as possible incentives for sustainable research.