

EU ETS Registry data analysis

Methodology note

April 2021

1. Introduction

Every April, the European Commission released compiled [ETS emissions data](#). T&E analyses this data to understand the previous years performance of airlines and to draw a comparison with other sectors in the ETS. As this release has been delayed for the 2020 data, T&E extracted the reported emissions from the top 50 airlines in 2019 from the [ETS Transaction Log](#). In 2019, the top 50 airlines represented 94% of total aviation ETS emissions. This methodology note details the analysis we have undertaken to infill missing data and which airlines are grouped together and why.

2. Emissions filling - top 50 airlines

For the general approach for data filling, please see the methodological note from 2020. As aviation operations were severely affected by the pandemic in 2020, the data filling methodology and approximation of total aviation emissions has been modified. Of the top 50 airlines, Thomas Cook's 2019 bankruptcy meant that it was replaced by Croatia Airlines. Five airlines did not report at the time of publication on 2 April 2021. They were Air France, Transavia, Hop!, Flybe and FedEx; In order to approximate the total reduction in aviation, we fill their 2020 emissions. Thus, the total share of emissions from the top 50 of the airlines that reported were equivalent to 87% of total aviation ETS emissions. Air France emissions were approximated by assuming a reduction equivalent to the average reduction in emissions as reported by British Airways, KLM, and Lufthansa, the other large European legacy carriers. FedEx emissions were approximated by the change in emissions as reported by DHL, a cargo airline. Flybe declared bankruptcy on 2 March 2020, so we assume that they had two twelfths of their 2019 emissions, as the lockdowns on people movement across Europe predated the bankruptcy. Some small subsidiaries of airline groupings (see Section 3) did not report, for example EasyJet of Switzerland. In these cases, the reduction was set to match their parent airline. Transavia and Hop! were not updated, so are treated similarly to the remaining airlines, i.e. they are assumed to be reduced with the average of the reported and corrected airlines in the top 50.

3. Airline Grouping

Some airlines have different accounts in different member states of the EU. For all intents and purposes, these different accounts are attributable to an airline based on whether or not a passenger believes they are flying with a certain company or not. EasyJet, for example, have four accounts, however they do not have four separate airlines, or websites to book those flights, or are operated by different entities. This differs from subsidiaries, for example Lufthansa owns Brussels Airlines, but Brussels Airlines is a different brand than its parent company. Likewise for stationary installations, where Marista has 3 power plants in Bulgaria, which are within 100km of each other, but each are operated separately and have different owners. Power plants and industry tend not to be outward facing companies, and thus we keep their accounts separate. The airlines that we grouped together are shown in the table below, under an airline alias that is the commonly used name.

| Airline ALIAS | IDENTIFIER_IN_REG | NOTES |
|---------------|--|---|
| TUI | 30011.TUI AIRLINES BELGIUM | |
| TUI | Handelskonto TUIfly GmbH | |
| TUI | TUI Airlines Nederland BV | |
| TUI | TUIfly Nordic AB | |
| TUI | Thomson Airways Limited | Name as registered in EUTL: TUI Airways Limited |
| Ryanair | Ryanair Sun S.A. | |
| Ryanair | Ryanair DAC | |
| ASL | 27011.ASL Airlines Belgium | |
| ASL | ASL AIRLINES FRANCE SA | |
| ASL | Farnair Switzerland | Name as registered in EUTL: ASL Airlines (Switzerland) AG |
| ASL | ASL Airlines (Hungary) Kft. | |
| ASL | ASL Airlines (Ireland) Limited | |
| FedEx | 11102.FedEx Express Corporate Aviation | |
| FedEx | FEDERAL EXPRESS CORPORATION | |
| EasyJet | easyJet Switzerland SA | |
| EasyJet | EASYJET UK LIMITED | |

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|-----------|---|--------------------------|
| EasyJet | EACL ETS Account | Account no longer active |
| EasyJet | easyJet Europe Airline GMBH | |
| Norwegian | Norwegian | |
| Norwegian | Norwegian Air International Limited AOHA | |
| Norwegian | Norwegian Air UK | |
| DHL | European Air Transport Leipzig GmbH | |
| DHL | DHL Air Limited | |

Further information

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