

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	

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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