

This dataset is used by

## Swinkels (2023) “Trading carbon credits on the blockchain” SSRN Working Paper

<https://dx.doi.org/10.2139/ssrn.4378871>

The data was obtained from the public blockchain of AirCarbon Exchange

<https://trade.aircarbon.co/explore>

During 2023, this public blockchain was made inaccessible by ACX.

The spreadsheet consists of three worksheets:

- **Token Traded**

Transaction	When	From	To
<b>Token Traded</b>	Dec 30 2022 6:06:03 PM	Anonymous account	Anonymous account
CET \$ 3.30 per	Block37468209	SOLD CET 2,000	PAID USD 6,600.00
TX0x14522e...03cd512f		Address 0xe0CDCD...B4C893Ab	Address 0x3BFbC7...5072cd09

Under the column “Transaction” the information contains the type of token (CET), the price for which it was traded (\$3.30). There is also part of a transaction hash.

Under the column “When” it has the time stamp of the trade, and the block number.

Under the column “From” it has the account name (which are all anonymous with public login) and the type (CET) and number of tokens (2,000) traded, and part of the address of the Seller.

Under the column “To” it has the account name (which are all anonymous with public login) and the amount that was paid for the trade (\$6,600.00), and part of the address of the Buyer.

- **Token minted**

Transaction	When	From	To
<b>Token Minted</b>	Dec 30 2022 1:49:42 AM	Anonymous account	Anonymous account
GNB 5,000	Block37440391	Address 0x797d0f...410722df	GNB 5,000
TX0x757085...ce8558b4			Address 0xbCa8F...A0C3db70

Under the column “Transaction” the information contains the type of token (GNB) and number of tokens minted (5,000). There is also part of a transaction hash.

Under the column “When” it has the time stamp of the minting, and the block number.

Under the column “From” it has the account name (which are all anonymous with public login,) the address here doesn’t seem to mean much, as it is minting.

Under the column “To” it has the account name (which are all anonymous with public login) and the type and number of tokens minted, and part of the address of the minter.

- **Tokens burned**

Transaction	When	From	To
<b>Token Burned</b>	Dec 13 2022 10:10:05 AM	Anonymous account	Anonymous account
FCC 2,000	Block36774927	FCC 2,000	Address 0x3d4703...5b542b10
TX0x9b3aa9...e72fcfc4		Address 0xf8CC90...eEc6779b	

Under the column “Transaction” the information contains the type of token (FCC) and number of tokens burned (2,000). There is also part of a transaction hash.

Under the column “When” it has the time stamp of the burning, and the block number.

Under the column “From” it has the account name (which are all anonymous with public login) and the type and number of tokens burned, and part of the address of the burner.

Under the column “To” it has the account name (which are all anonymous with public login), the address here doesn’t seem to mean much, as it is burning.