Olafur Eliasson
The glacier melt series 1999/2019
Carbon Footprint

The glacier melt series 1999/2019

In 1999, Olafur Eliasson documented 45 of Iceland's glaciers for a photographic series. Twenty years later – a nanosecond in geological time – he returned to photograph them again. The glacier melt series 1999/2019 places photographs of 30 of the glaciers from 1999 and 2019 side by side, revealing the dramatic changes that have occurred.

The total calculated carbon emissions for The glacier melt series 1999/2019 is 16 tonnes CO2e (16,113 kg CO2e).

Studio Olafur Eliasson strives to be as transparent as possible about the environmental impact of making art. Tracking the carbon footprint of an artwork provides a more tangible breakdown of where changes can be made. For The glacier melt series 1999/2019, we have only calculated the carbon emissions for the 2019 photographs, as we only have partial information about the production of the original series. The studio will continue to track carbon emissions involved in the transport of the work, and this report will be updated periodically.

Carbon Footprint Estimation

As of November 2019, the total calculated carbon emissions is **16 tonnes CO2e** or 16113 CO2e

TEAM TRAVEL	Description	Quantity *	Est. distance (km)	Estimated CO2-e (kg)
	Flight from Berlin to Reykjavik	1	2400	914
	Flight from Berlin to Reykjavik	2	2400	1032
	Drive from Reykjavik Airport to harbourside	1	51	9
	Drive from Reykjavik Airport to harbourside	1	51	9
	Drive from harbourside to Sandskeið	1	25	4
	Drive from Sandskeið to harbourside	1	25	4
	Drive from harbourside to Reykjavik Airport	1	51	9
	Drive from harbourside to Reykjavik Airport	1	51	9
	Flight from Reykjavik to Berlin	1	2400	914
	Flight from Reykjavik to Berlin	2	2400	1032
	Flight from Copenhagen to Reykjavik	1	2140	874
	Flight from Berlin to Reykjavik	1	2400	516
	Drive from Reykjavik Airport to harbourside	1	51	9
	Drive from Reykjavik Airport to harbourside	1	51	9
	Drive from harbourside to Sandskeið, to Vik	1	189	33
	Drive from harbourside to Sandskeið, to Vik	1	330	57
	Flight from Reykjavik to Berlin	1	2400	516
	Flight from Reykjavik to San Francisco	1	6740	3047
	Train from Berlin to London	1	1097	11
	Flight from London to Berlin	1	972	225
	Flight from Berlin to Reykjavik	1	2400	516
	Bus ride from Reykjavik Airport to harbourside	1	51	1
	Bus ride from harbourside to Reykjavik Airport	1	51	1
	Flight from Berlin to Reykjavik		2400	516
	Flight from Berlin to London		956	414
	Flight from London to Copenhagen		852	507
	Flight from Copenhagen to Reykjavik		2140	859
	Flight from Reyjavik to Copenhagen		2140	844
			Total estimated CO2 generated (kg)	12891

* for commercial flights: people, for private flights: planes, for drives: cars

TEAM ACOMMODATION	Description	Quantity *		Estimated CO2-e (kg)
	1 person accomodation	5	nights	93
	1 person accomodation	5	nights	93
	1 person accomodation	3	nights	55.8
	1 person accomodation	3	nights	55.8
	1 person accomodation	2	nights	37.2
	1 person accomodation	1	nights	18.6
		Total estimated CO2 generated (kg)		353.4

*based on EU-average for hotelroom per night/per person, calculated with the average of European hotel emission 18.6 kg per night (AirBnB not separately listed)

PRODUCTION	Description	Quantity *		Estimated CO2-e (kg)
	Prop plane flight to document glaciers	1	flight: private	678.3333333
	Prop plane flight to document glaciers	1	flight: private	1763.666667
		Total estimated CO2 generated (kg)		2442

TRANSPORT TO DATE	Description	Quantity *			Estimated CO2-e (kg)
(November 2019)	Courier within Berlin	1	car	15.7	3.6
	Courier within Berlin	1	car	7.7	1.8
	Courier within Berlin	1	bike	7.6	0
	Courier within Berlin	1	bike	6.4	0
	Courier within Berlin	1	car	15.7	3.6
	Courier within Berlin	1	car	7.7	1.8
	Courier within Berlin	1	car	1.4	0.3
	Courier within Berlin	1	car	8	1.8
	Courier within Berlin	1	car	1.8	0.4
	Courier within Berlin	1	car	7.5	1.7
	Courier within Berlin	1	car	7.6	1.7
	Courier within Berlin	1	bike	23.1	0
	Courier within Berlin	1	car	7.6	1.7
	Courier within Berlin	1	car	7.6	1.7
	Courier within Berlin	1	car	7.5	1.7
	Shipment	1	flight/transporter	2379.89	11.42
	Shipment	1	truck	1103	59.56
	Shipment	1	truck/freight plane	2388.81	334.43
			Total estimated CO2 generated (kg)		427.21

* all calculated with UK Government GHG Conversion Factors for Company Reporting

Current total estimated CO2 generated (kg)	16113.61