

SASTDES Carbon Footprint Tool

Slovenia, Ljubljana

SASTDes – Smart Assessment Sustainable Tourist Destinations

DISCOVER YOUR WORLD

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1 Introduction

The SASTDES Destination Carbon Footprint Tool was developed by the Centre for Sustainability, Tourism and Transport of Breda University of Applied Sciences as part of the SASTDES-project (Smart Assessment Sustainable Tourist Destinations). The project is co-funded by the Taskforce for Applied Research (SIA), part of the Netherlands Organisation for Scientific Research (NWO), under the RAAK scheme.

1.1 Purpose

The model's scope is for European Destinations. The model calculates the carbon footprint of the visitors to your destination based on the choice of transport modes from the source markets to the destination, the number of nights and shares of a range of accommodation types and a range of tourism activities. Results are provided for the carbon footprints per source market and divided over transport, accommodation, and activities.

2 Report Tourism

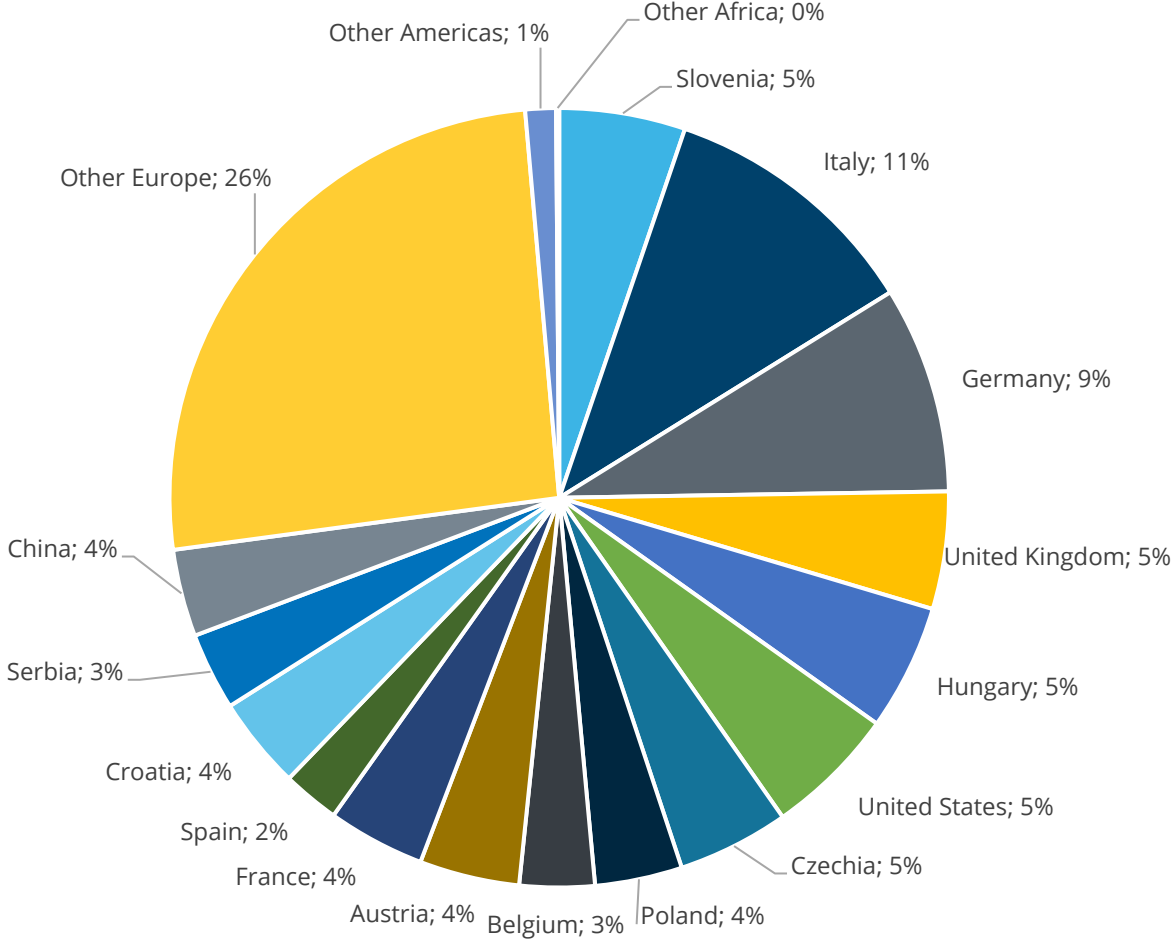
Carbon footprint in Tonnes/year

Overview of the carbon footprint	Domestic	International	Total emission	Share (%)
Transport	573	185004	185577	76.1%
Accommodation	1503	32580	34083	14.0%
Activities	1068	23158	24226	9.9%
Total	3145	240743	243887	100.0%

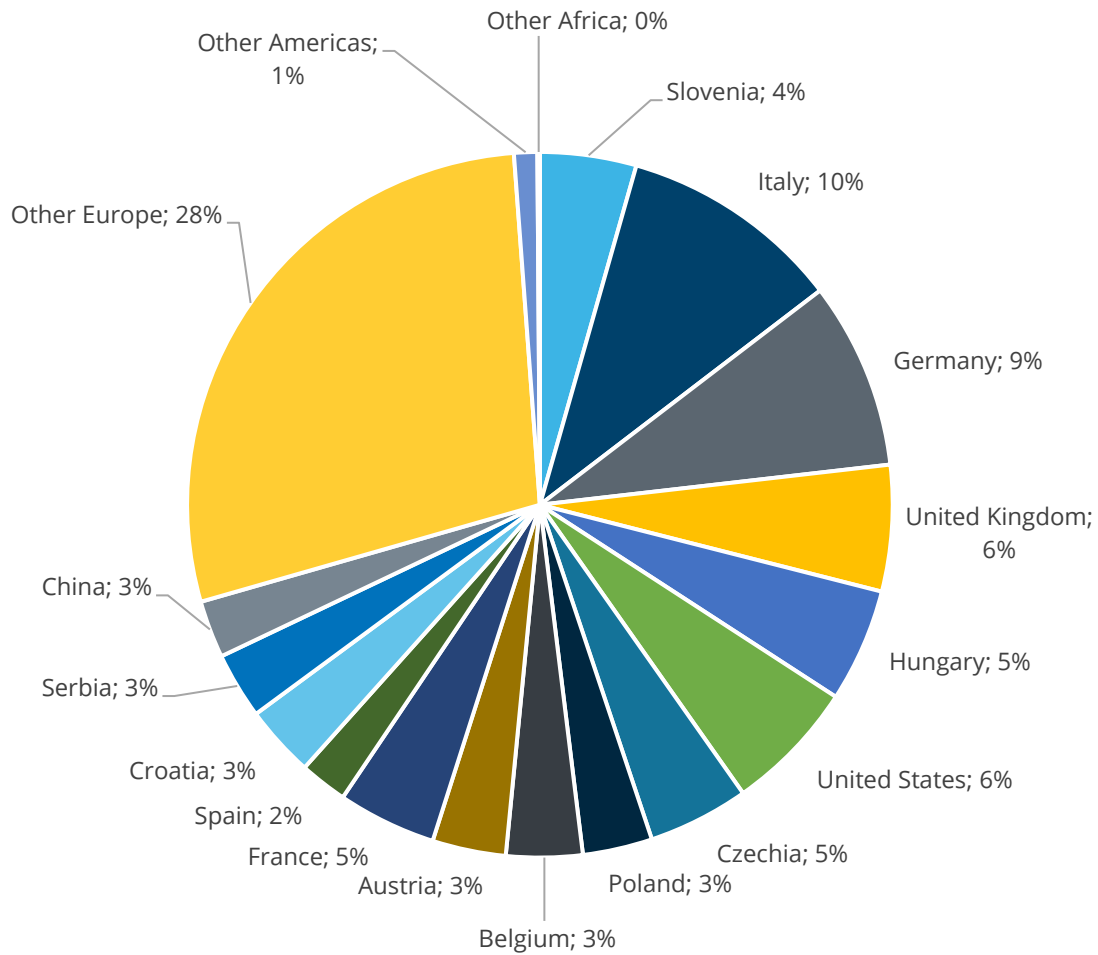
Number of countries in overview: 15

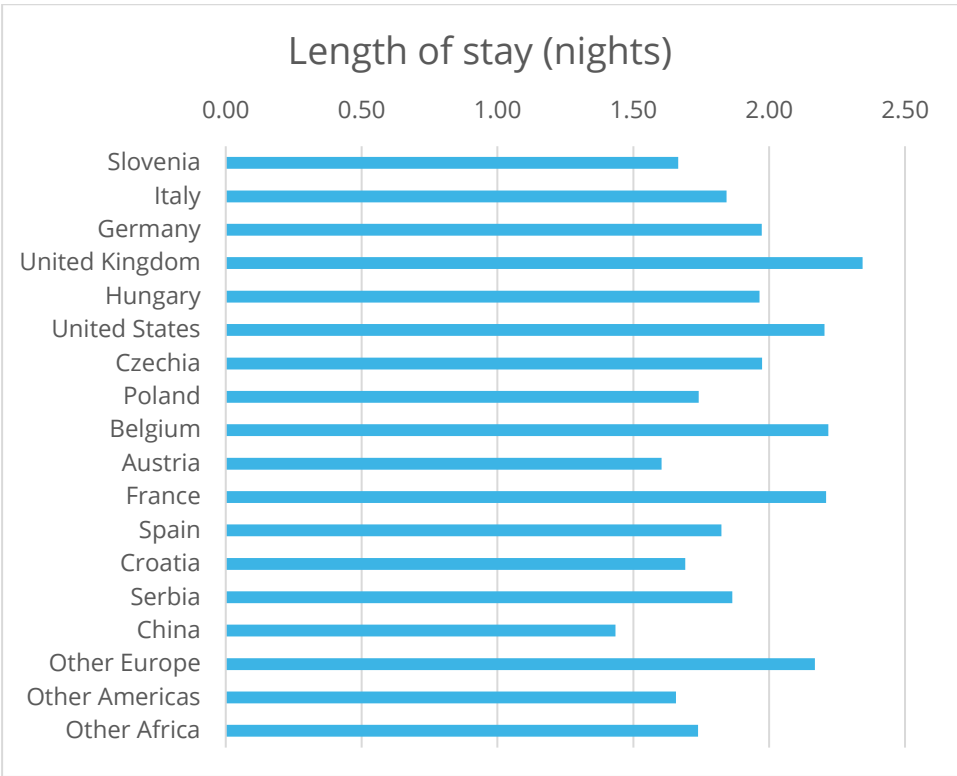
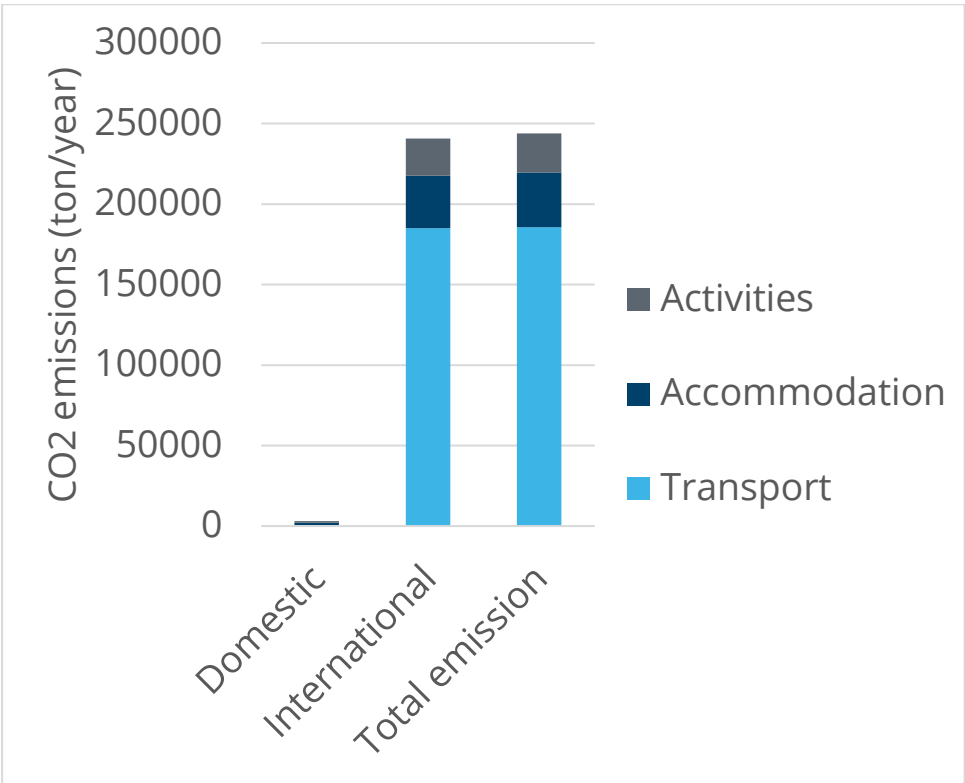
Source Market	Total arrivals	Total nights	Length of stay (nights)
Slovenia	58989	98240	1.67
Italy	123280	227222	1.84
Germany	96774	190911	1.97
United Kingdom	54929	128759	2.34
Hungary	58987	115905	1.96
United States	61358	135220	2.20
Czechia	52226	103099	1.97
Poland	40850	71086	1.74
Belgium	35123	77884	2.22
Austria	46808	75072	1.60
France	45567	100691	2.21
Spain	26722	48761	1.82
Croatia	43086	72845	1.69
Serbia	36319	67721	1.86
China	40830	58588	1.43
Other Europe	290264	629382	2.17
Other Americas	14313	23714	1.66
Other Africa	1478	2569	1.74

Total arrivals



Total nights





3 Report Carbon Footprint

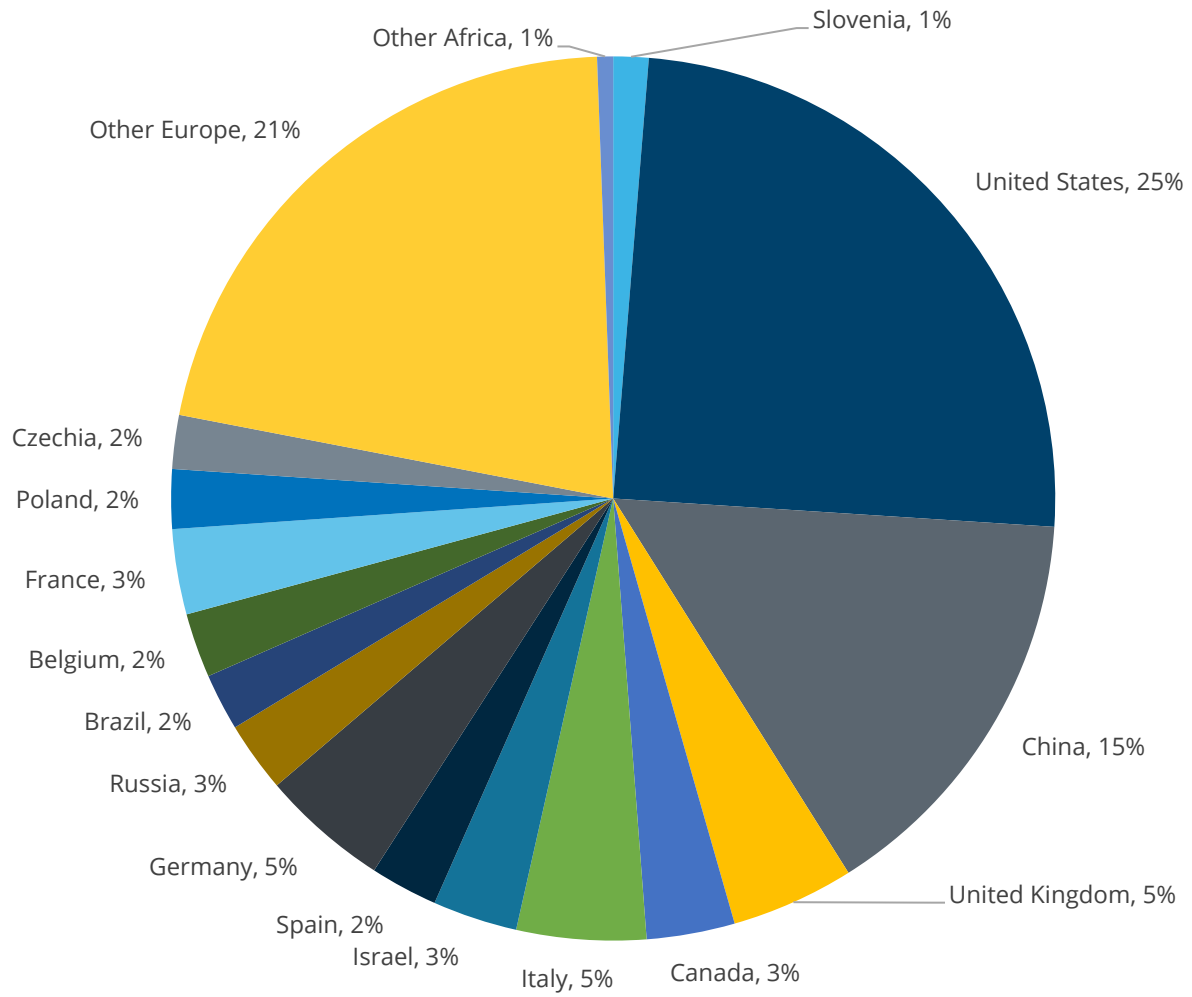
Carbon footprint in Tonnes/year

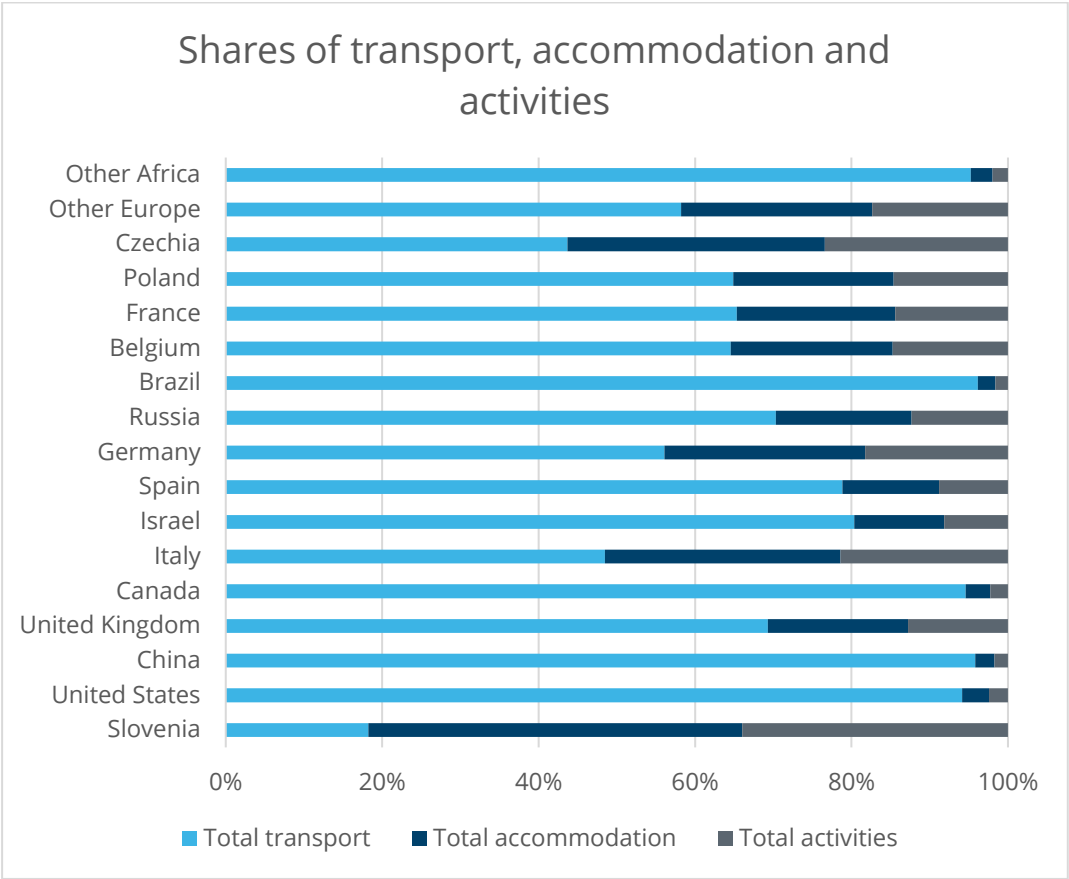
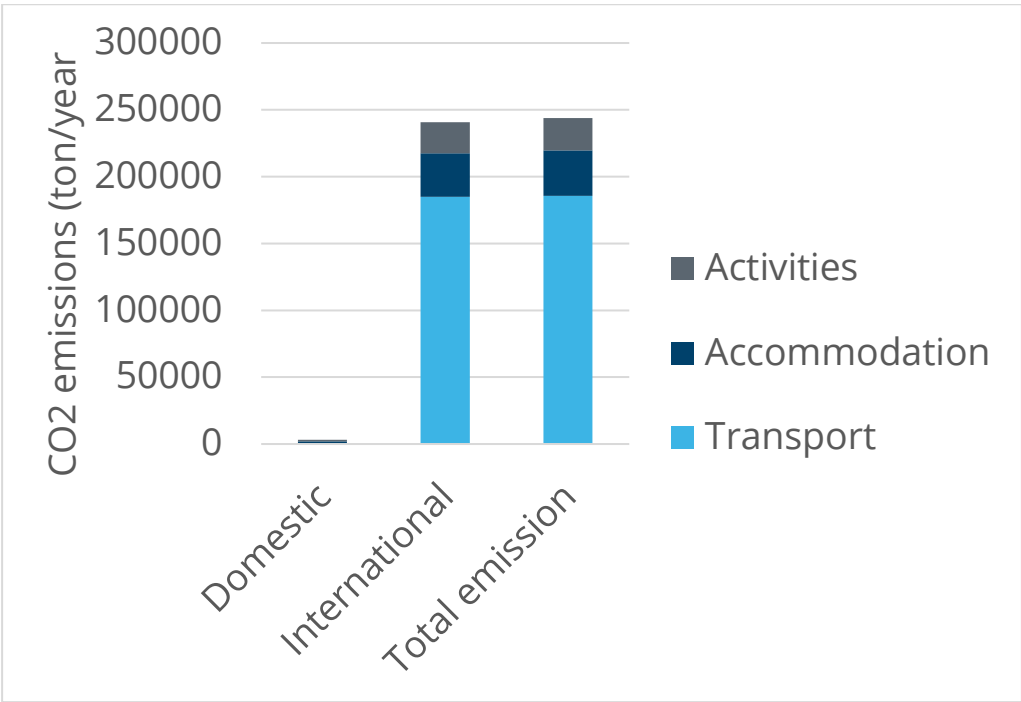
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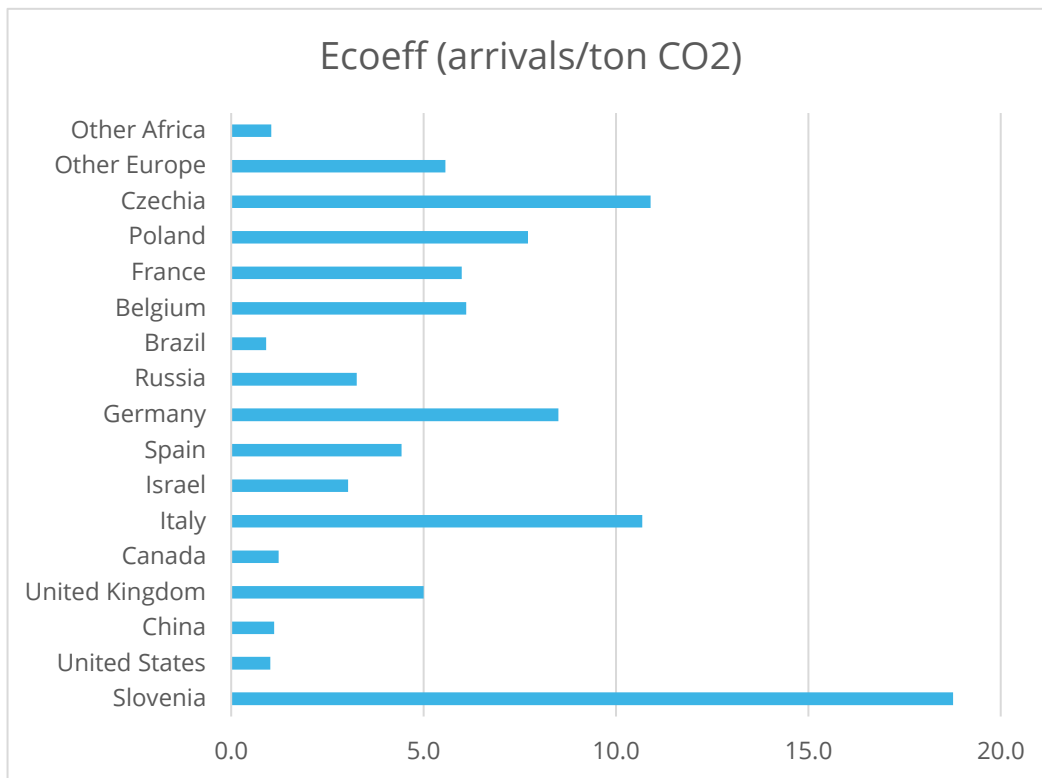
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Source Market	Total transport	Total accommodation	Total activities	Total	Ecoeff (arrivals/ton CO2)
Slovenia	573	1503	1068	3145	18.8
United States	56779	2069	1471	60319	1.0
China	35160	896	637	36693	1.1
United Kingdom	7609	1970	1400	10979	5.0
Canada	7437	248	176	7862	1.2
Italy	5595	3477	2471	11542	10.7
Israel	6067	868	617	7552	3.0
Spain	4757	746	530	6033	4.4
Germany	6382	2921	2076	11379	8.5
Russia	4422	1091	776	6290	3.3
Brazil	4880	115	81	5076	0.9
Belgium	3712	1192	847	5750	6.1
France	4965	1541	1095	7600	6.0
Poland	3436	1088	773	5297	7.7
Czechia	2093	1577	1121	4792	10.9
Other Europe	30357	12743	9058	52157	5.6
Other Africa	1353	39	28	1421	1.0

Total CO2 emissions per market









Games



Media



Hotel



Facility



Built Environment



Logistics



Tourism



Leisure & Events



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