

SASTDES Carbon Footprint Tool

Slovenia, Kranjska Gora

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.

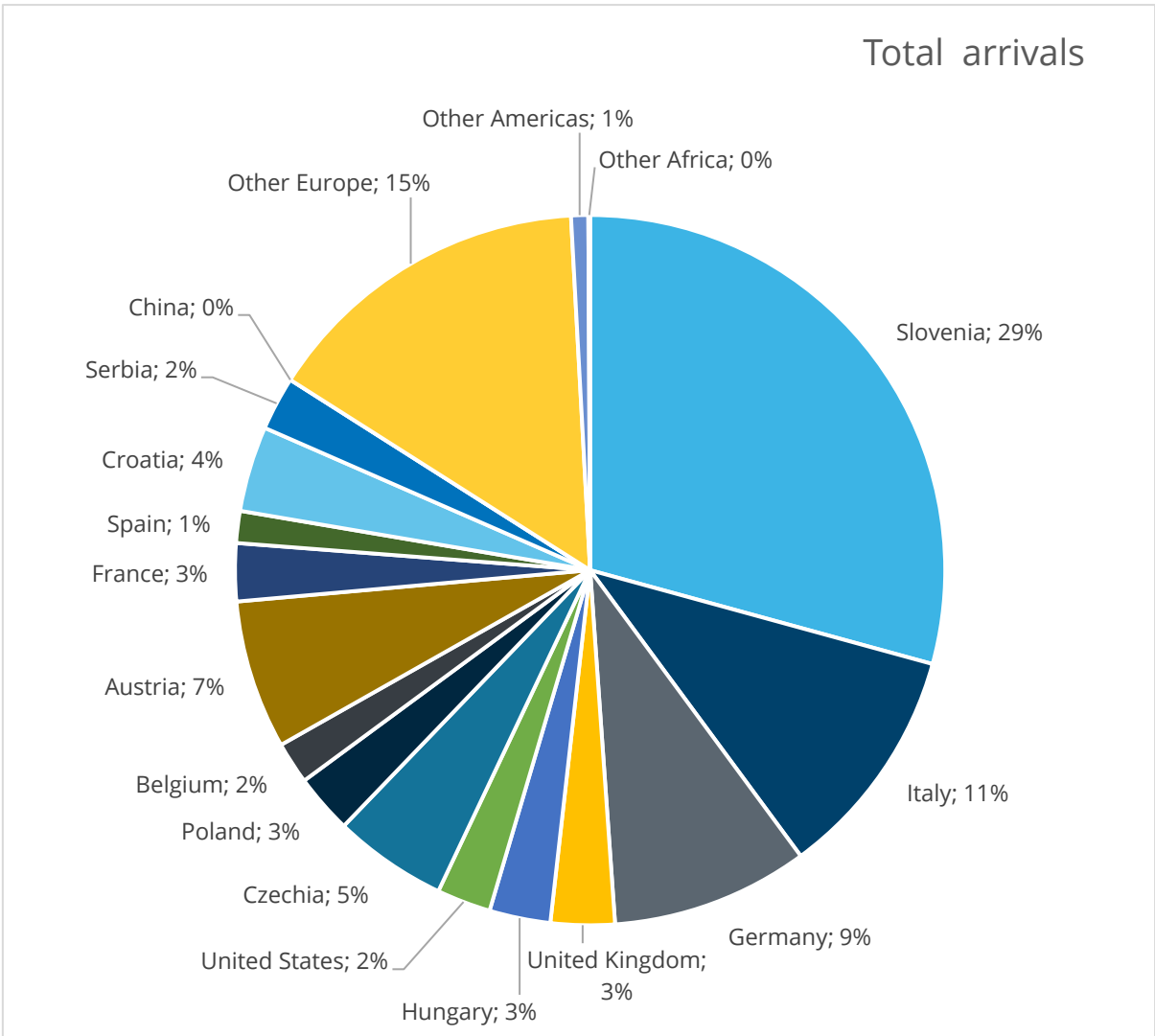
2 Report Tourism

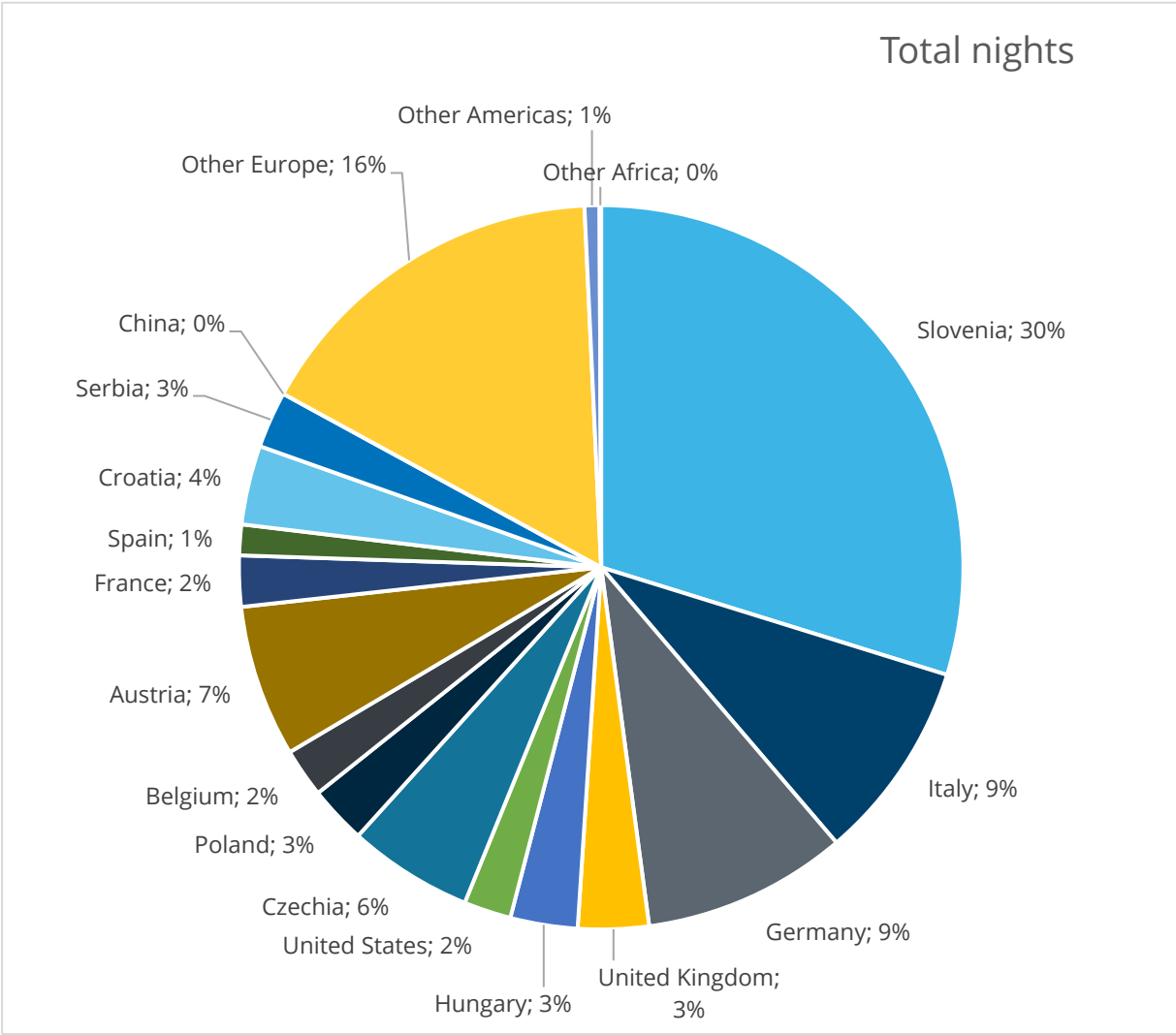
Carbon footprint in Tonnes/year

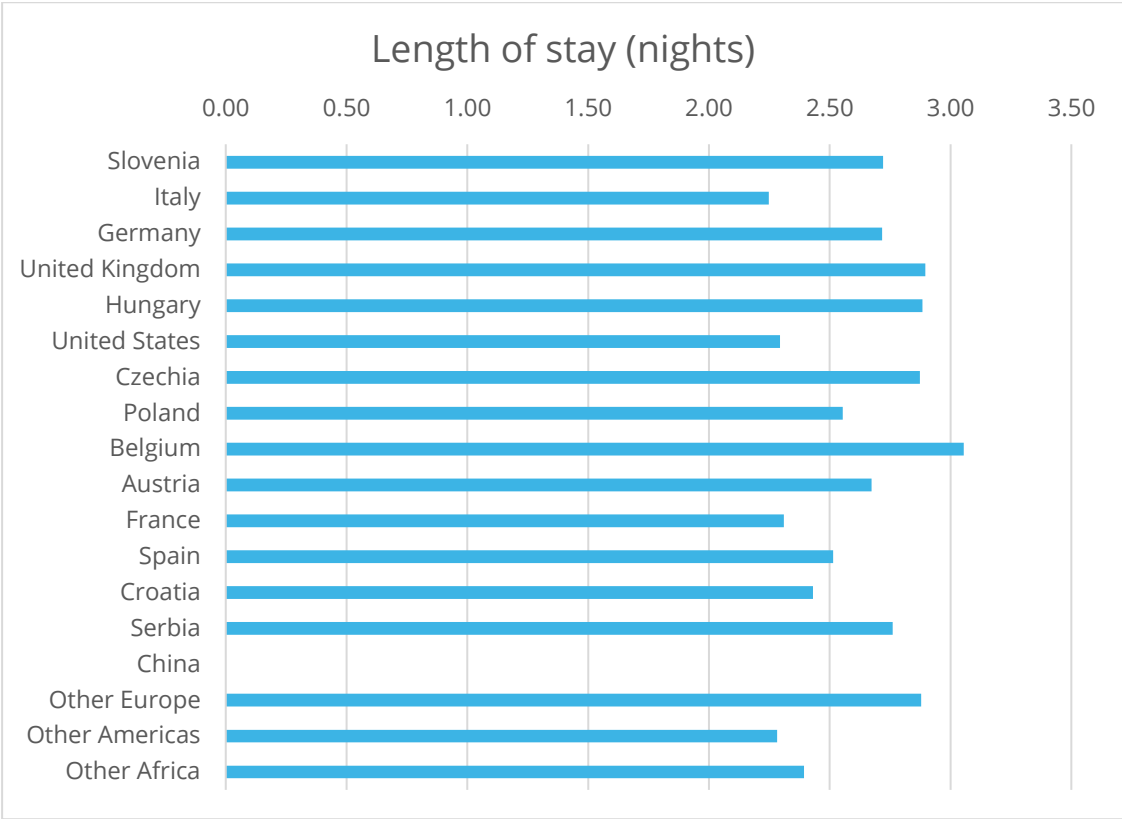
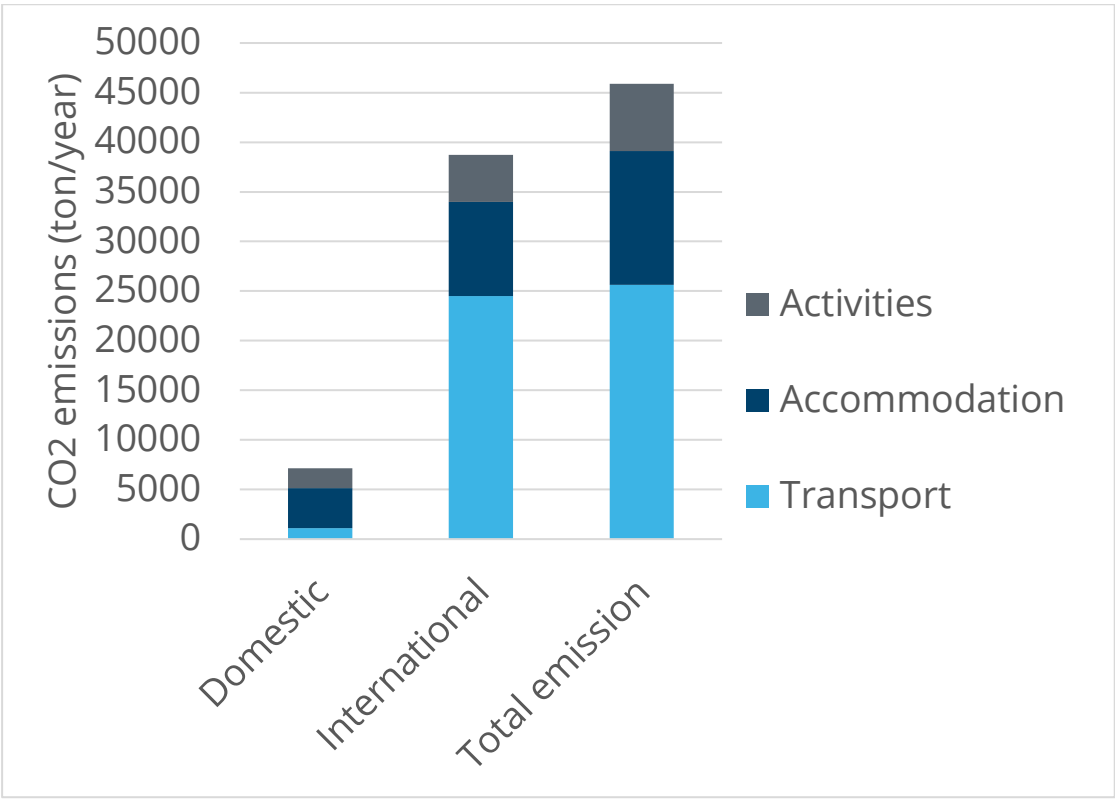
Overview of the carbon footprint	Domestic	International	Total emission	Share (%)
Transport	1113	24512	25624	55.9%
Accommodation	4025	9481	13506	29.4%
Activities	2012	4739	6750	14.7%
Total	7149	38731	45880	100.0%

Number of countries in overview: 15

Source Market	Total arrivals	Total nights	Length of stay (nights)
Slovenia	95374	259543	2.72
Italy	34658	77916	2.25
Germany	29290	79560	2.72
United Kingdom	9492	27485	2.90
Hungary	9062	26128	2.88
United States	8015	18390	2.29
Czechia	16852	48425	2.87
Poland	8801	22470	2.55
Belgium	6231	19031	3.05
Austria	22092	59055	2.67
France	8575	19810	2.31
Spain	4740	11915	2.51
Croatia	12669	30786	2.43
Serbia	7959	21970	2.76
China			
Other Europe	49343	142043	2.88
Other Americas	2539	5795	2.28
Other Africa	262	628	2.39







3 Report Carbon Footprint

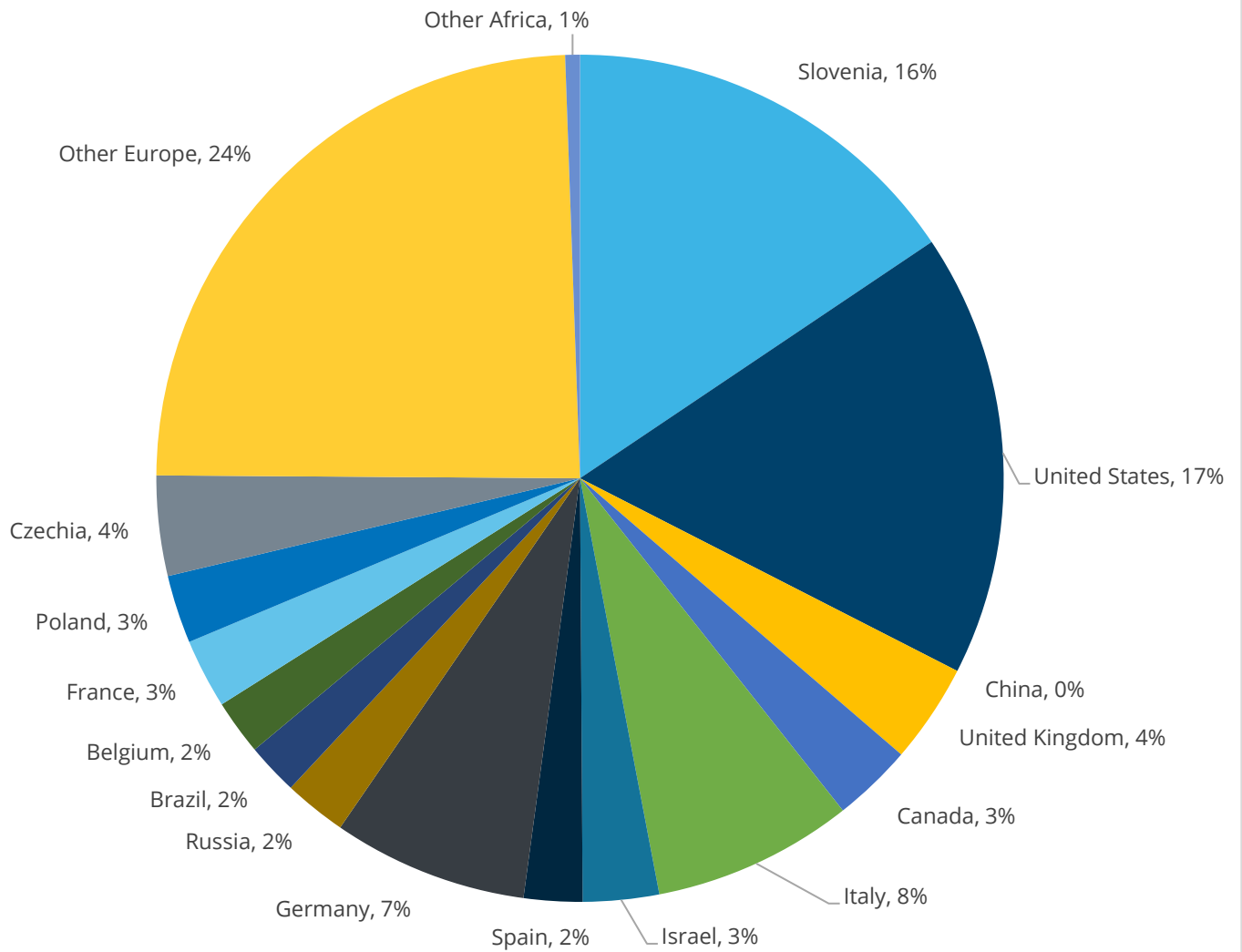
Carbon footprint in Tonnes/year

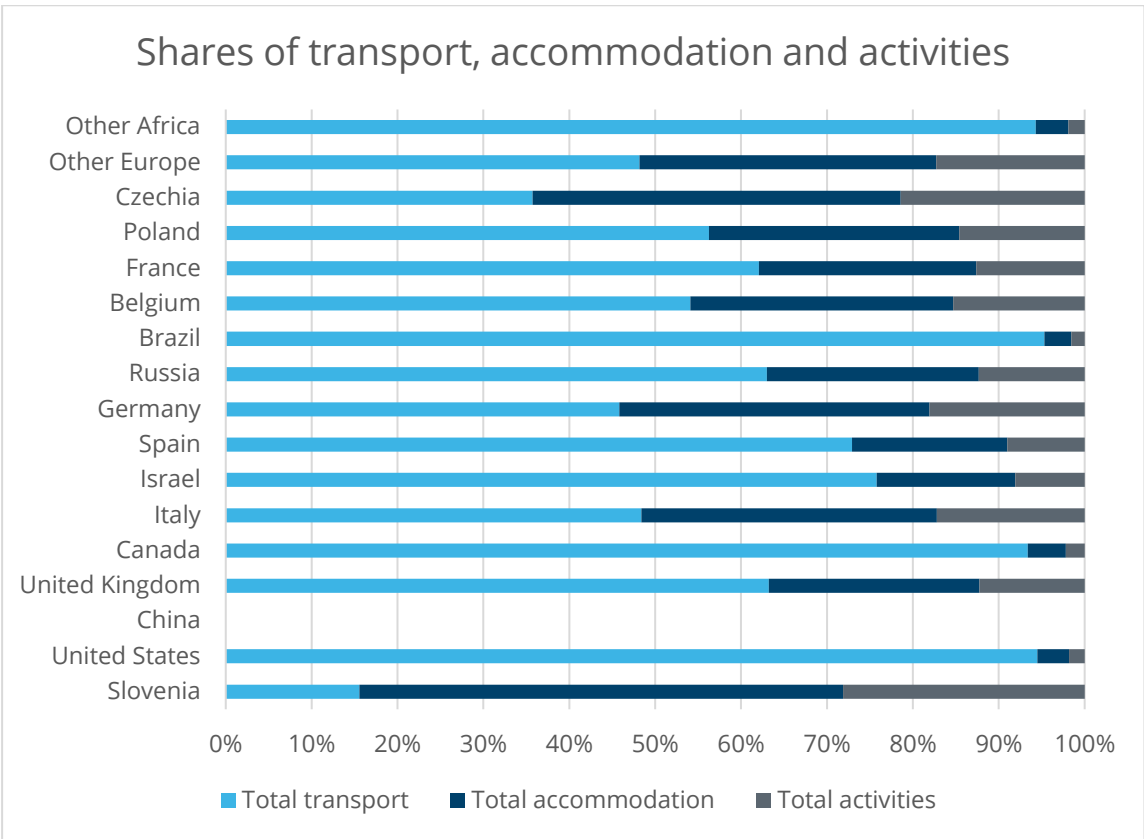
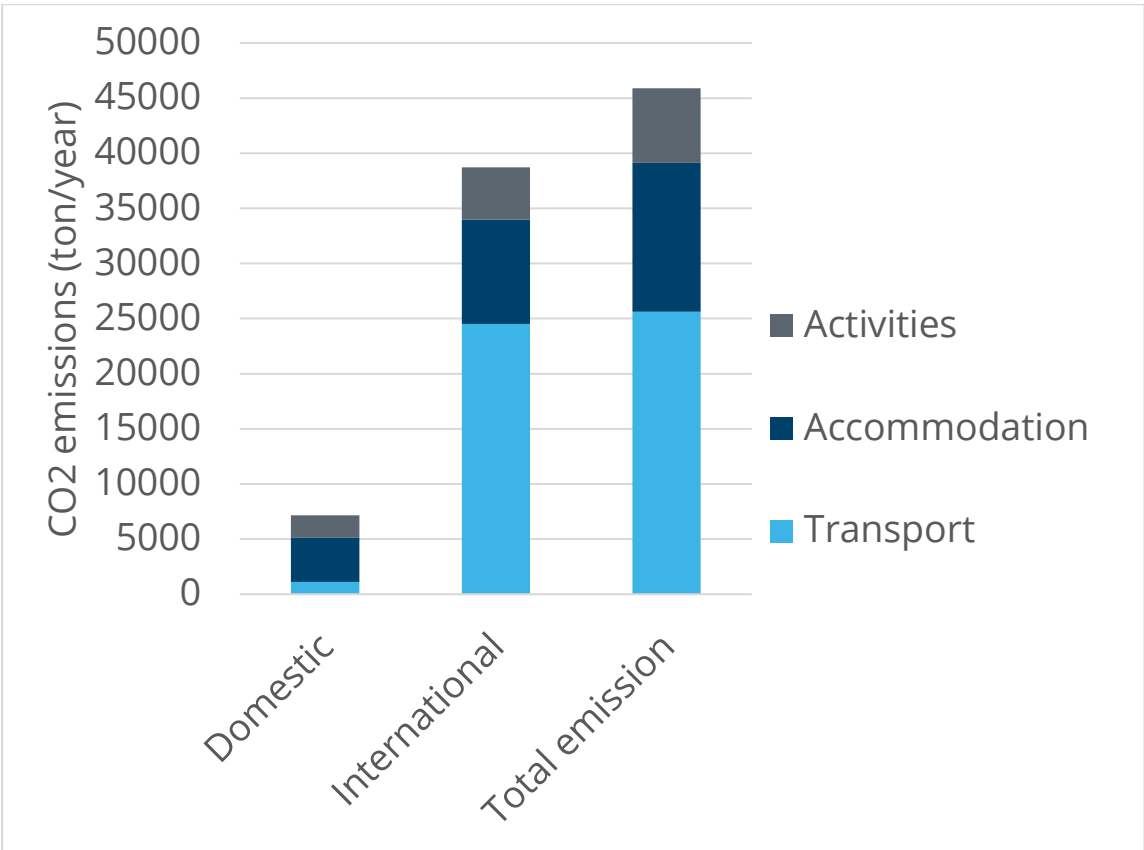
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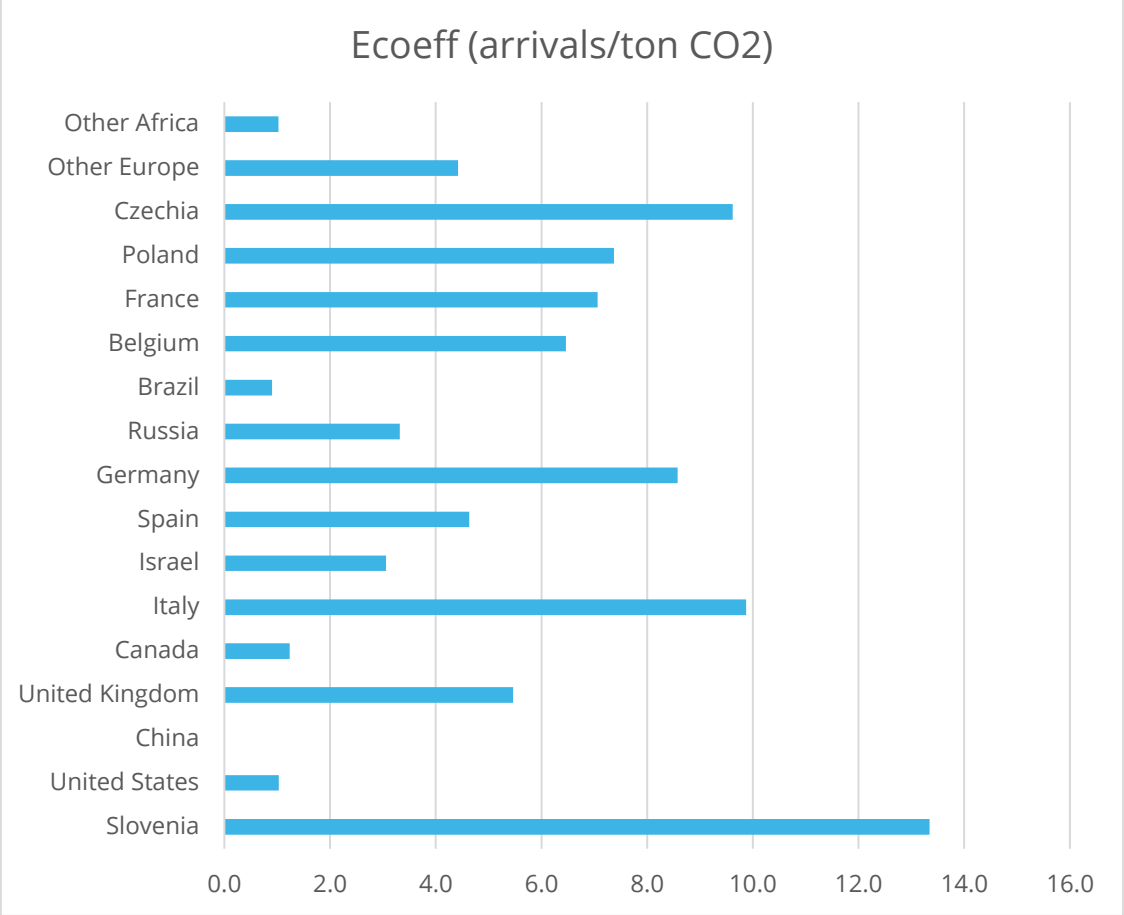
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Source Market	Total transport	Total accommodation	Total activities	Total	Ecoeff (arrivals/ton CO2)
Slovenia	1113	4025	2012	7149	13.3
United States	7342	285	143	7770	1.0
China				0	
United Kingdom	1098	426	213	1738	5.5
Canada	1304	61	31	1396	1.2
Italy	1699	1208	604	3511	9.9
Israel	1009	215	107	1332	3.1
Spain	746	185	92	1023	4.6
Germany	1565	1234	617	3415	8.6
Russia	690	270	135	1096	3.3
Brazil	863	28	14	906	0.9
Belgium	522	295	147	964	6.5
France	754	307	154	1215	7.1
Poland	672	348	174	1194	7.4
Czechia	626	751	375	1752	9.6
Other Europe	5380	3857	1927	11163	4.4
Other Africa	242	10	5	257	1.0

Total CO2 emissions per market









Games



Media



Hotel



Facility



Built Environment



Logistics



Tourism



Leisure & Events



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