

SASTDES Carbon Footprint Tool

Slovenia, Piran

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.

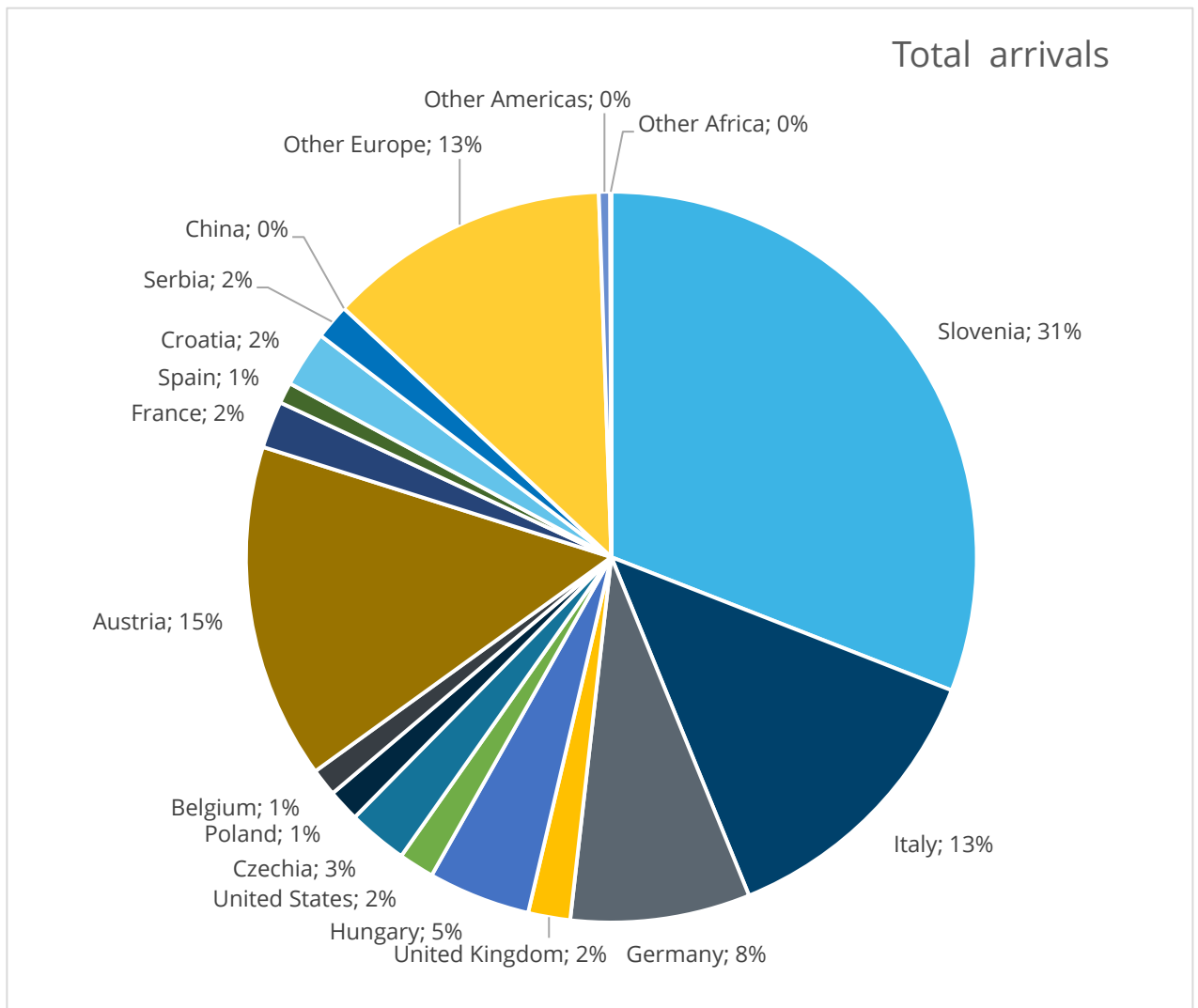
2 Report Tourism

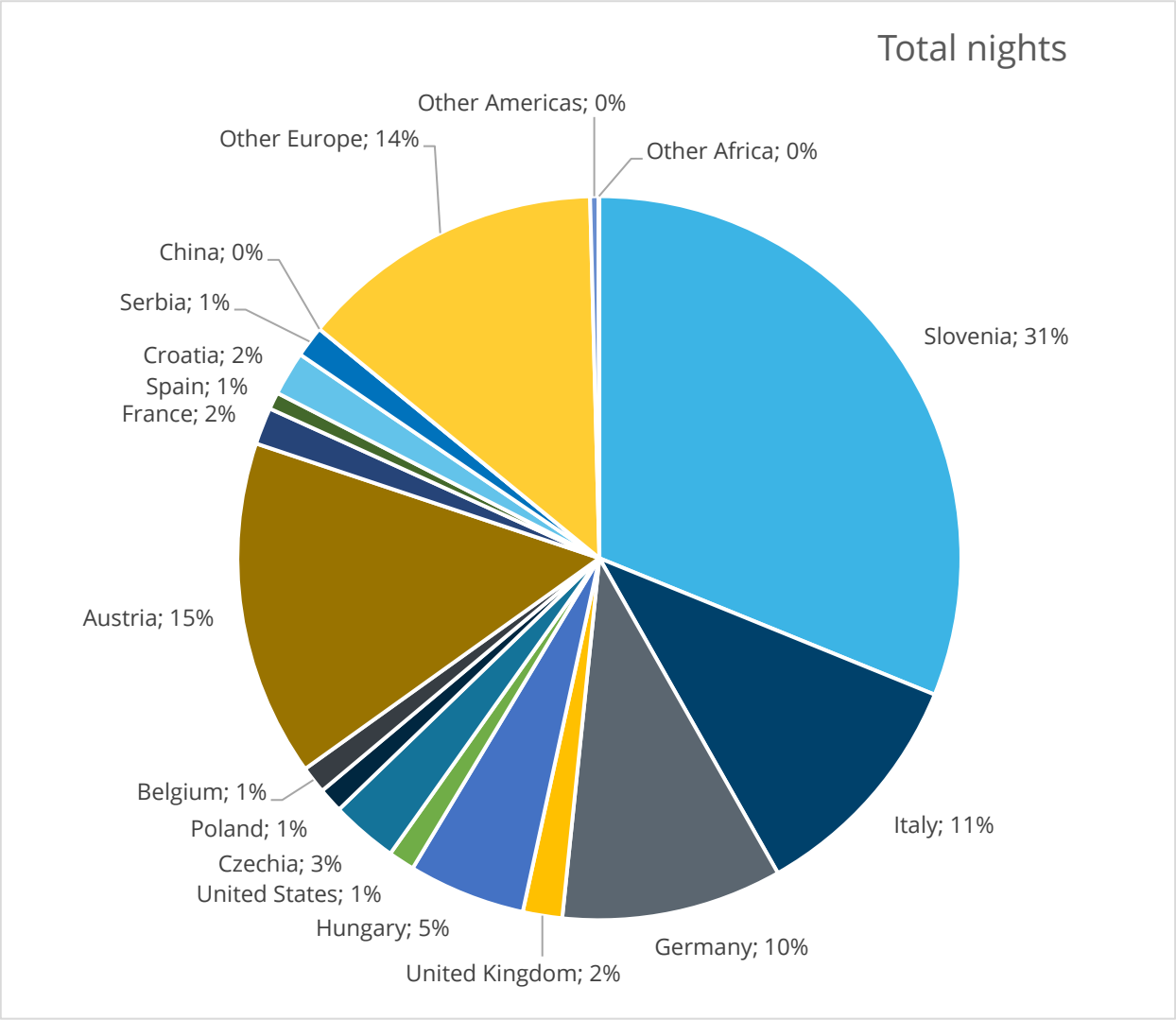
Carbon footprint in Tonnes/year

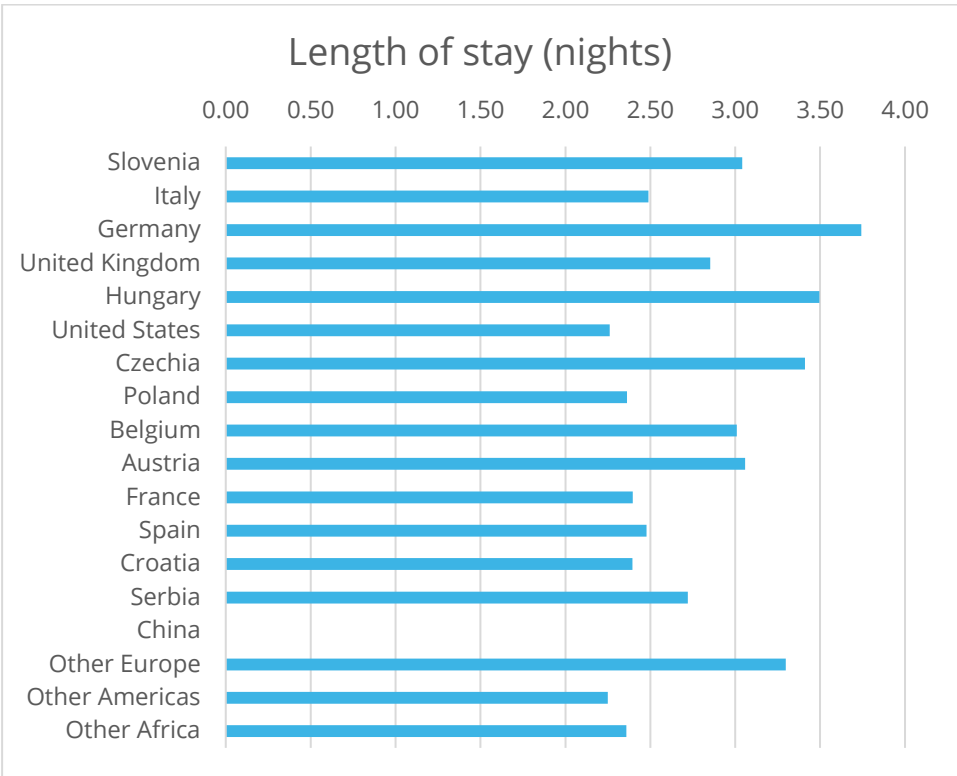
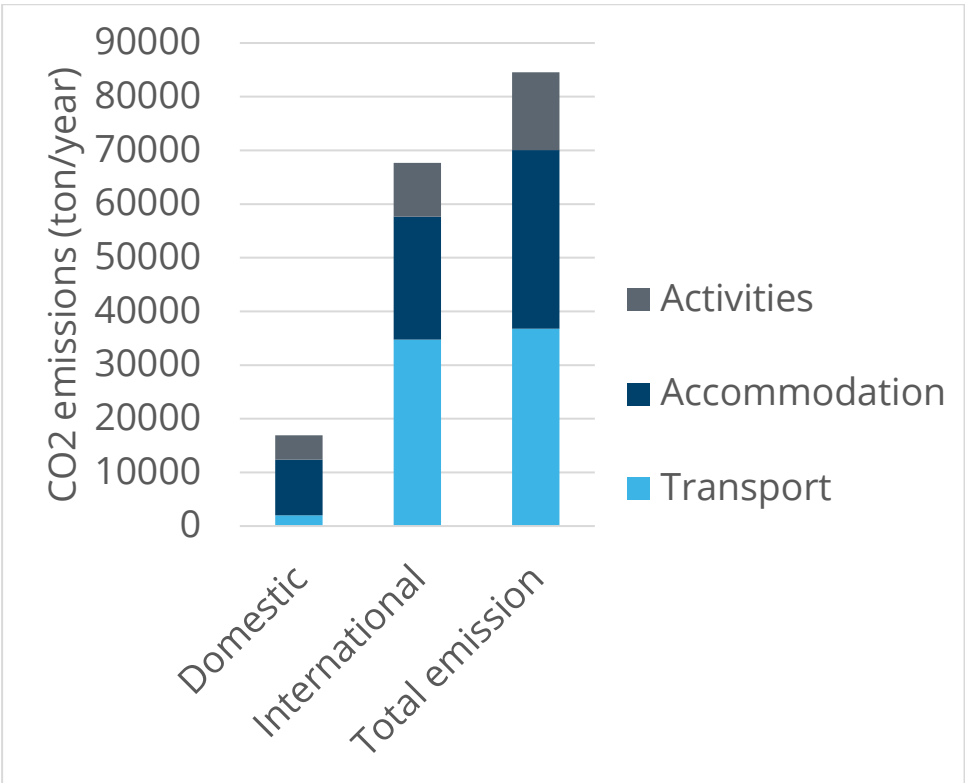
Overview of the carbon footprint	Domestic	International	Total emission	Share (%)
Transport	2014	34764	36778	43.5%
Accommodation	10364	22907	33271	39.3%
Activities	4525	10002	14528	17.2%
Total	16903	67673	84576	100.0%

Number of countries in overview: 15

Source Market	Total arrivals	Total nights	Length of stay (nights)
Slovenia	191981	583895	3.04
Italy	80106	199443	2.49
Germany	49329	184635	3.74
United Kingdom	11546	32947	2.85
Hungary	28046	98034	3.50
United States	9750	22044	2.26
Czechia	16381	55859	3.41
Poland	8815	20822	2.36
Belgium	7579	22813	3.01
Austria	92081	281544	3.06
France	12906	30929	2.40
Spain	5766	14282	2.48
Croatia	15411	36904	2.39
Serbia	9681	26336	2.72
China			
Other Europe	77707	256278	3.30
Other Americas	3089	6946	2.25
Other Africa	319	752	2.36







3 Report Carbon Footprint

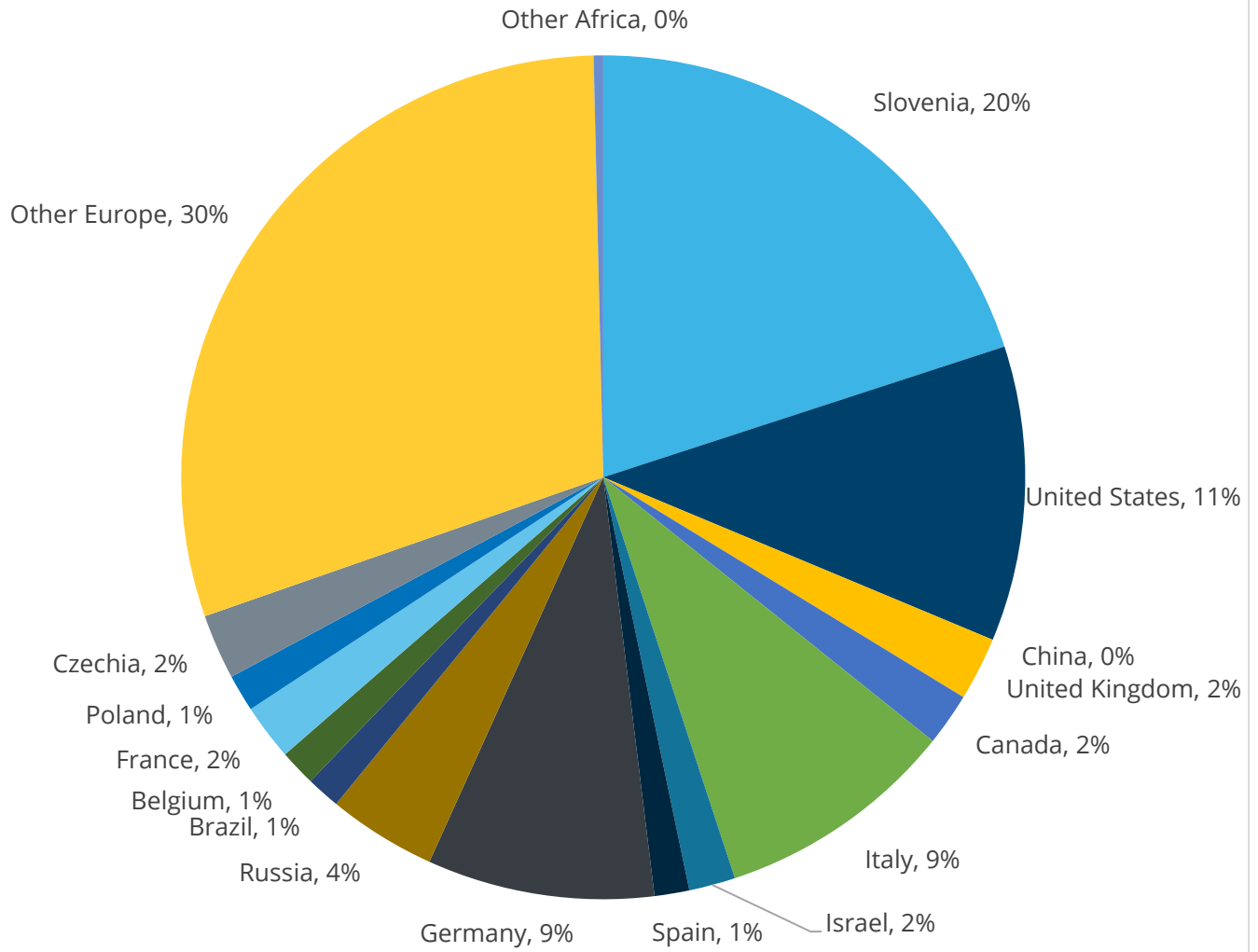
Carbon footprint in Tonnes/year

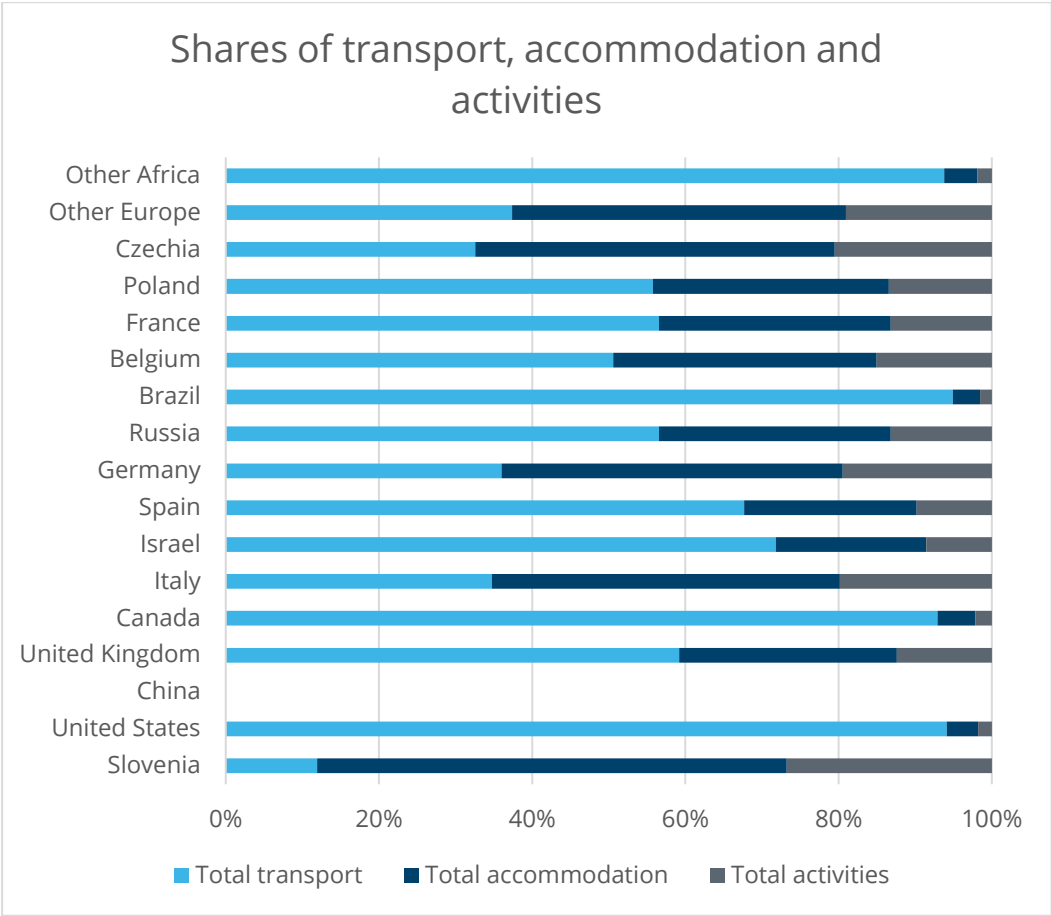
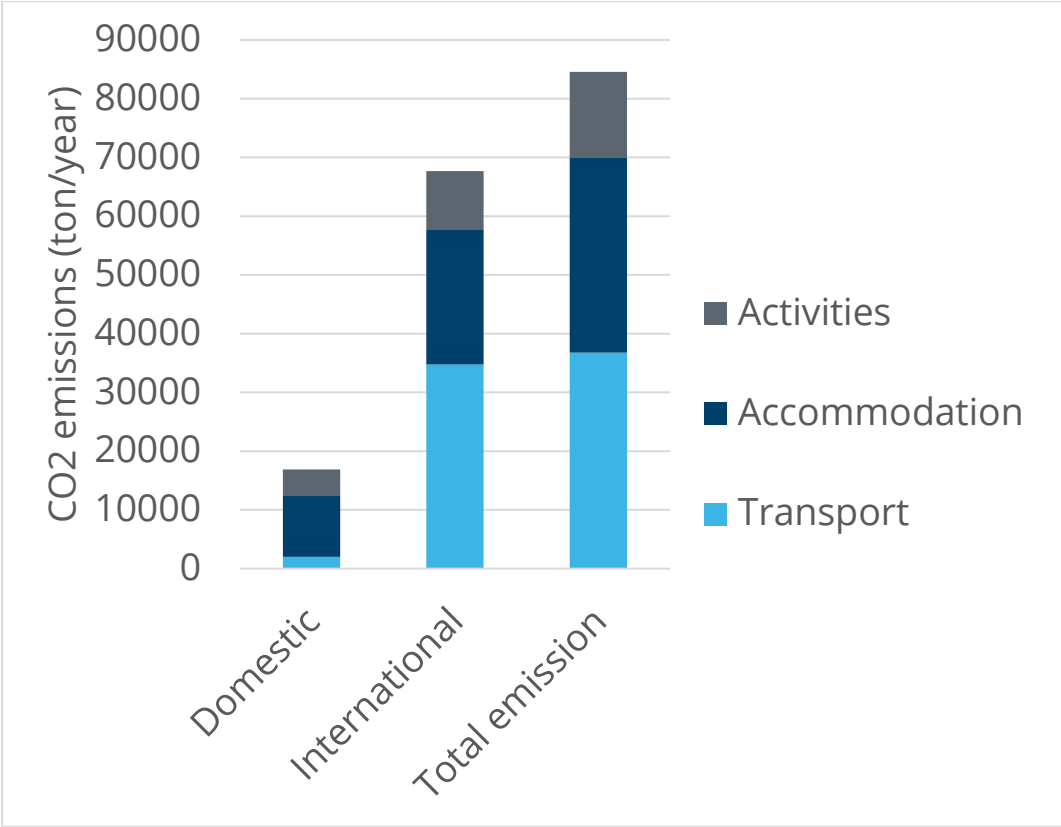
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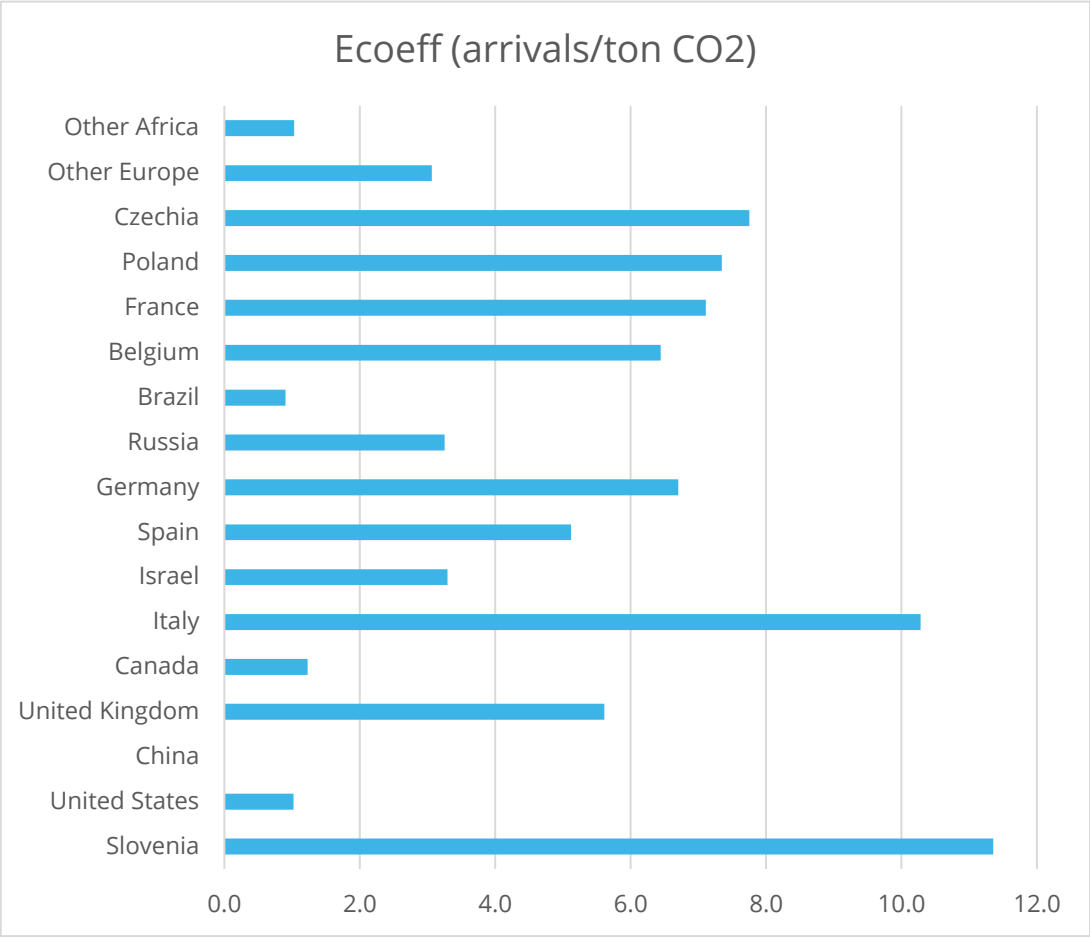
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Source Market	Total transport	Total accommodation	Total activities	Total	Ecoeff (arrivals/ton CO2)
Slovenia	2014	10364	4525	16903	11.4
United States	8999	391	171	9561	1.0
China				0	
United Kingdom	1217	585	255	2058	5.6
Canada	1584	84	37	1705	1.2
Italy	2706	3540	1546	7791	10.3
Israel	1079	295	129	1503	3.3
Spain	762	254	111	1127	5.1
Germany	2648	3277	1431	7356	6.7
Russia	1986	1061	463	3510	3.3
Brazil	1041	39	17	1097	0.9
Belgium	595	405	177	1177	6.4
France	1027	549	240	1815	7.1
Poland	669	370	161	1200	7.3
Czechia	688	991	433	2112	7.8
Other Europe	9472	11052	4826	25351	3.1
Other Africa	290	13	6	310	1.0

Total CO2 emissions per market









Games



Media



Hotel



Facility



Built Environment



Logistics



Tourism



Leisure & Events



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