NOVEMBER 2022

CARBON FOOTPRINT OF VALÈNCIA TOURIST ACTIVITY. YEAR 2021

EXECUTIVE REPORT GREENHOUSE EMISSIONS ISO 14064-1: 2019



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"When something cannot be defined, you cannot measure it; if you cannot measure it, you cannot improve it; if you cannot improve it, it is degraded."

LORD KELVIN

ACTIVITY RATIOS

76% direct CF

Trips of tourists, day-trippers and cruise passengers. It corresponds to chapter 1 and category 1 of ISO 14064-1

24% indirect CF

Chapter 2: Regulated accommodation Chapter 3,4 ,5: Food/catering/leisure and professional activities/shopping Chapter 6: Energy consumption Chapter 7: City transport system Chapter 8: Public Solid Urban Waste collection and treatment Chapter 9: Public Water Services Chapter 10: Public and Private Infrastructures

55,92% emissions reduction

Against 2019, due to visitors' decrease caused by the COVID-19 pandemic

335,70 kgCO2-eq per

stay

Against 487,91 kgCO2-eq in 2019



Against 2,182 Millions of tourists in 2019.

2,5 overnight stav

Against 2,42 overnight stays in 2019.

571.082,58 tCO2

Carbon Footprint València tourism 2021

1,33 Millions **Day-Trippers**

Against 2,2 millions in 2019

0,02% Water Consumption

Chapter with the less Carbon Footprint of all items from the tourist activity

2019-2021 EMISSIONS COMPARISON:

YEAR 2019

717.480,34 TCO2

1.285.742,84 TCO2

YEAR 2021

571.082,58 TCO2

THE REDUCTION OF VISITORS FROM 2019 TO 2021 IN 39,60% LEADS TO A EMISSION REDUCTION OF 44,42% IN 2021 AGAINST 2019





CARBON FOOTPRINT CHAPTERS 2021

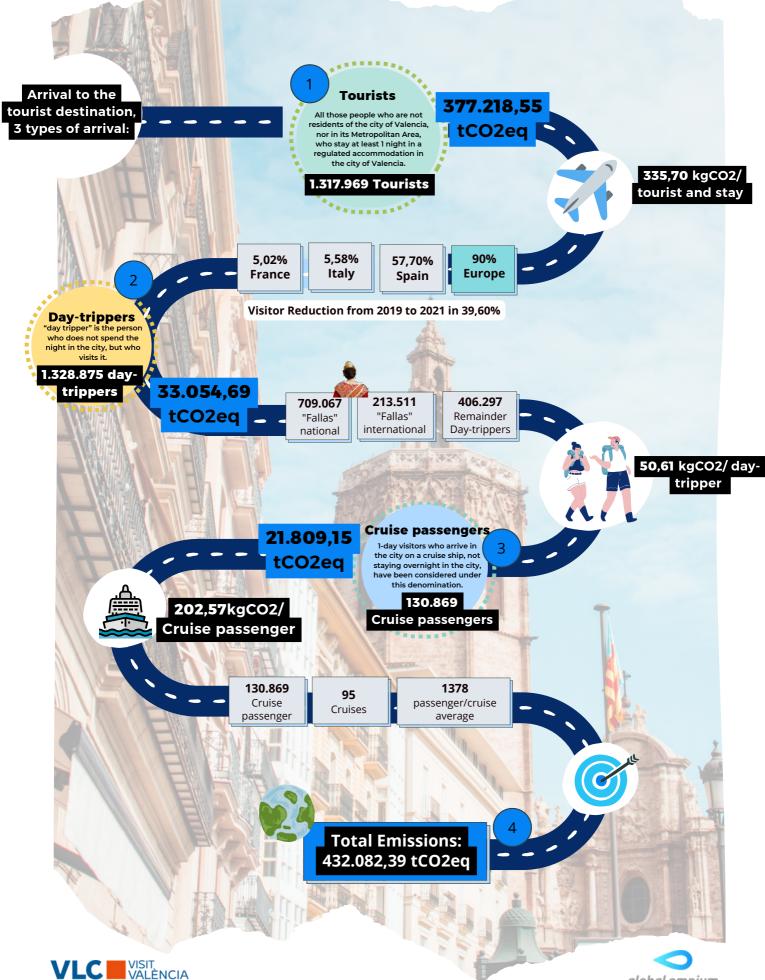
Total: 571.082,58 tCO2





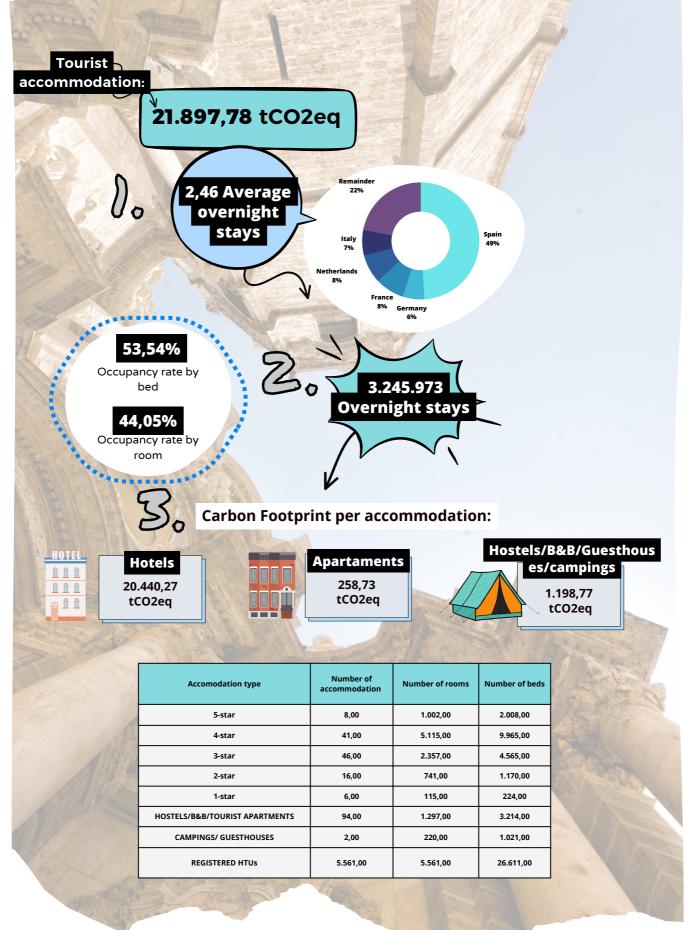


CHAPTER 1: TOURIST DESTINATION ARRIVAL



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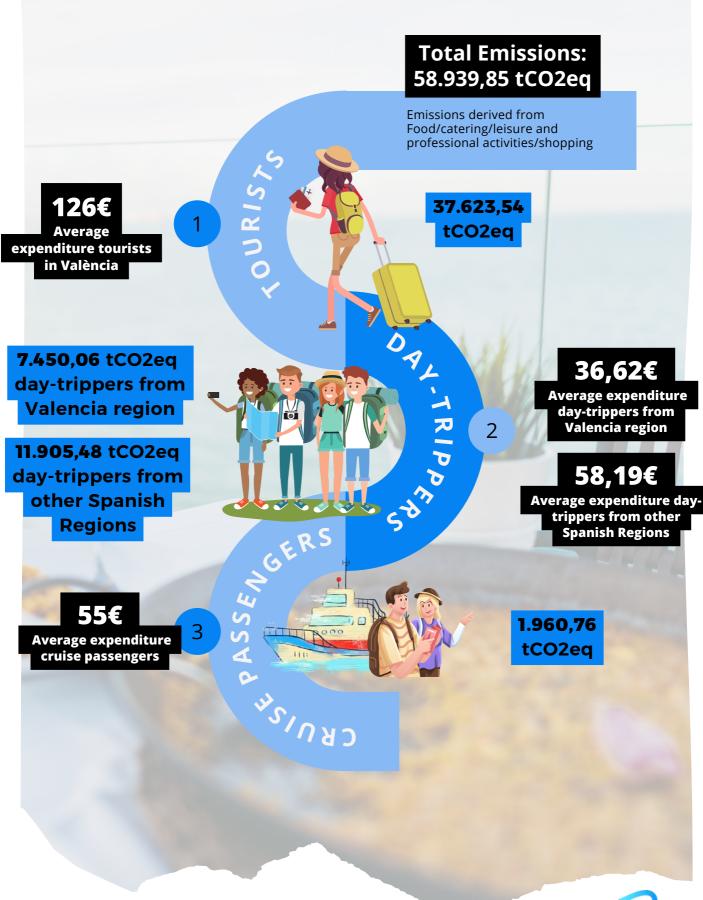
CHAPTER 2. REGULATED ACCOMMODATION







CHAPTERS 3-5: FOOD/CATERING/LEISURE AND PROFESSIONAL ACTIVITIES/SHOPPING





CHAPTER 6: ENERGY CONSUMPTION

TOTAL EMISSIONS 6.139,36 tCO2eq





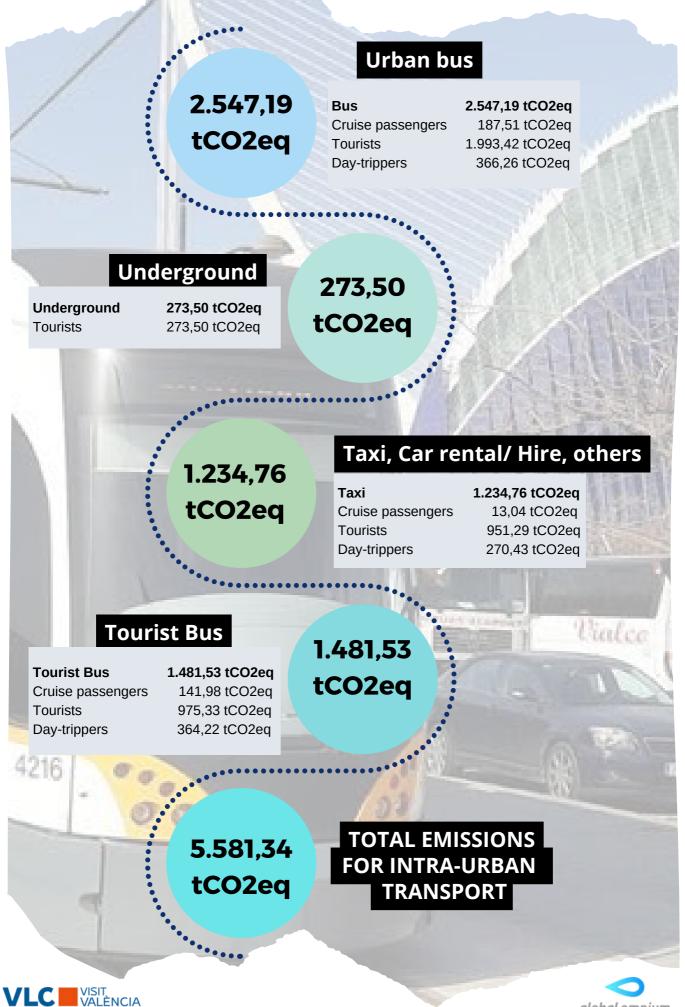
1.625,12 tCO2eq

LIGHTING OF HISTORIC AND SPORT BUILDINGS





CHAPTER 7: CITY TRANSPORT SYSTEM



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CHAPTER 8: PUBLIC SOLID URBAN WASTE COLLECTION AND TREATMENT

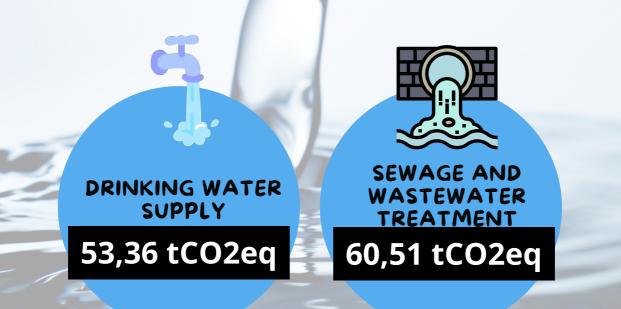
	Rubbish	1.712,87 tCO2
TOURISTS	Organic Rubbish	86,10 tCO2
1.833,79 tCO2eq	Light packaging	18,87 tCO2
	Paper and paperboard	11,42 tCO2
<section-header><section-header><text></text></section-header></section-header>	Class	4,52 tCO2
	Rubbish	690,82 tCO2
	Organic Rubbish	34,73 tCO2
	Light packaging	7,61 tCO2
	Paper and paperboard	4,61 tCO2
	Class	1,82 tCO2
CRUISE PASSENGERS	Rubbish	68,03 tCO2
72,84 tCO2eq	Organic Rubbish	3,42 tCO2
	Light packaging	0,75 tCO2
	Paper and paperboard	0,45 tCO2
	Glass	0,18 tCO2





CHAPTER 9: PUBLIC WATER SERVICES

TOTAL EMISSIONS: 113,874 tCO2eq



EUROPE'S FIRST MAJOR CITY WITH A CLEAR LODESTAR TO ACHIEVE CARBON NEUTRALITY IN WATER CYCLE MANAGEMENT



THE CITY WITH THE HIGHEST WATER EFFICIENCY (87 %) BY SMART METERING IN EUROPE





CHAPTER 10: PUBLIC AND PRIVATE INFRASTRUCTURES

TOTAL EMISSIONS: 43.681,78 tCO2eq

9.878,63 tCO2

LEISURE ACTIVITIES

OCEANOGRÀFIC OF VALÈNCIA AND BIOPARC



SPORT EVENTS

MARATHON OF VALÈNCIA, HALF-MARATHON OF VALÈNCIA NATIONAL SPORT EVENTS EUROPEAN SPORT EVENTS

4.769,26 tCO2

8.709,35 tCO2

CULTURAL EVENTS

PALAU DE LA MÚSICA,

PALAU DE LES ARTS "REINA SOFÍA",

CACSA – HEMISFERIC CACSA – PRÍNCIPE FELIPE MUSEUMS OTHER MUSEUMS

POPULAR FESTIVALS

FALLAS MARITIME HOLY WEEK

1.007,10 tCO2

LOCAL GOVERNMENT MAINTENANCE BUDGET

STREET CLEANING PARKS AND FOUNTAINS O&M MOBILITY ROADS AND LIGHTING O&M

16.859,33 tCO2

PUBLIC INFRASTRUCTURES FOR THE PROPER DEVELOPMENT OF TOURISM

FAIR OF VALÈNCIA, PALACE OF CONGRESS VALÈNCIA AIRPORT RAILWAY STATION JOAQUÍN SOROLLA RAILWAY STATION VALÈNCIA NORD BUS STATION, LA MARINA, PORT OF VALÈNCIA







