aqualia

2024 Greenhouse gas emissions report

Index

2024
GREENHOUSE GAS EMISSIONS REPORT

1 Aqualia today 04

2 Organisational boundaries, operational boundaries and exclusions 12

3 Quantification methodology 34

4 Information on Aqualia 42

5 Annexes 68

Aqualia today

A WAY OF BEING AND EXISTING IN THE WORLD

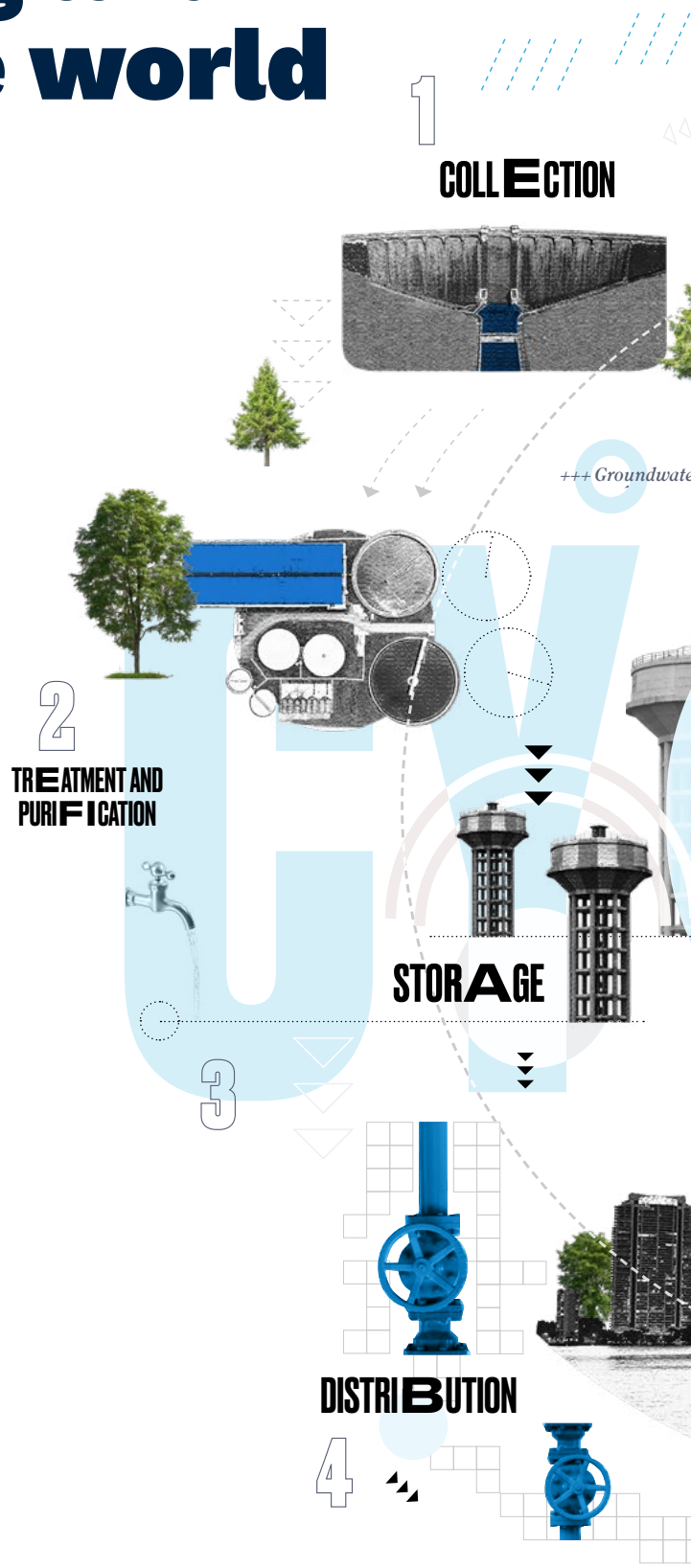
A way of being and existing in the world

Aqualia is the water management company owned by the citizen services group FCC (51%) and the Australian ethical fund IFM Investors (49%). The company is the fourth largest water company in Europe by population served and the ninth largest in the world, according to the latest Global Water Intelligence ranking (December 2024).

It currently serves 45.2 million users and maintains operational control of facilities management in 14 countries: Algeria, Saudi Arabia, Colombia, Egypt, United Arab Emirates, Spain, France, Georgia, Italy, Mexico, Oman, Portugal, Qatar, and Czech Republic.

The company is positioned as a benchmark brand in the sector, that is avant-garde, specialised, transparent and innovative. Thanks to a committed and experienced team of people who are constantly seeking to improve efficiency in production processes and optimise resources, with a clear focus on the citizen.

This way of working and the continuous advances in innovation and in the use of new technologies have made it possible for Aqualia to consolidate its leadership in the domestic market. It is doing the same in the foreign market with an ambitious but prudent strategy to achieve international consolidation. If there is one thing that makes Aqualia stand out, it is the role that sustainable development plays as an integral part of its business model: combining the generation of social benefit and the fair profitability of



Managed industrial capital*

53,498 km
supply networks

1,721
drinking water pumping stations

38,907 km
sewage systems

48
SDP-WWTP

996
water treatment plants

3,353
drinking water tanks

291
DWTPs

*Data included in Aqualia's Sustainability Report 2024.

its activity places the company in a privileged position in the water management sector.

Aqualia's commitment and responsibility to the municipalities in which it operates is not limited only to the provision of the service, but goes beyond that: it always seeks to contribute towards improving the well-being of the people and, in particular, of the most vulnerable groups.

Water sustainability is the essence of Aqualia

The 2030 Agenda sets our course and the majority of the strategic lines on which we work and, although the various crises of recent years have tested the commitment of nations to the objectives of the 2030 Agenda, at Aqualia we remain aligned with the SDGs, the fight against climate change, efficient end-to-end water cycle management and attention and care for people, inside and outside the company.

These commitments are often affected by the macroeconomic context - totally conditioned by the rise in inflation -, the difficult geopolitical situation, as well as the energy crisis and trade wars that favour protectionism. Circumstances that may have generated mistrust in a society that, in recent months, has become familiar with the terms de-globalisation and poly-crisis. What's more, public distrust of the use and misuse of the word sustainability is also growing.

Despite this, the need to curb global warming has led many states to push for a regulatory framework. Legislation that pushes companies towards having a positive impact, technological progress and the decarbonisation of the economy, which will enable us to mitigate climate change and progress towards a fairer society.

Water is directly affected by the climate crisis and, by extension, so is water resource management. At Aqualia, a company specialising in the management of the entire water cycle, we are well aware of this challenge. In fact, this year we have consolidated our position at the international level, a milestone made possible thanks to the ability of our professionals to adapt and to the generation of innovative solutions that the company implements wherever we operate.

Aqualia and its commitment to calculating the carbon footprint

Aqualia's commitment has been made public on its website and social networks under the hashtag #CompromisoAqualia [#AqualiaCommitment] and the domain www.compromisoreal.com, including adherence to the "Climate Action" Goal. Aqualia, the FCC Group's end-to-end water cycle management company has carried out the following actions in line with this objective:

2012

Calculation of the carbon footprint of an end-to-end water service, specifically that of the city of Lleida. The report was prepared in accordance with the requirements of the Standard UNE-EN ISO 14064-1:2012, "*Greenhouse Gases. Part 1: specifications with guidance at the organization level for quantification and reporting of greenhouse gas emissions and removals*".

2014

Calculation of the carbon footprint of the activity related to the construction of water treatment, purification and desalination plants and their ancillary facilities, carried out by its subsidiary company **Aqualia Infraestructuras.**

2015

- Registration of **Aqualia Infraestructuras** in the **Carbon Footprint Register of the Spanish Ministry of Agriculture, Food and the Environment.**
- Calculation of the carbon footprint for the entire "*End-to-end water cycle management*" *activity (abstraction, distribution, customer management, sewerage and treatment)* (**A-GIA**), carried out by the company **FCC Aqualia** in Spain and where it has operational control.
- Registration of FCC Aqualia in the **Carbon Footprint Register of the Spanish Ministry of Agriculture, Food and the Environment** and definition of a Carbon Footprint Reduction Plan.

2016, 2017, 2018 and 2019

- Calculation of the carbon footprint for the entire "*End-to-end water cycle management*" *activity (abstraction, distribution, customer management, sewerage and treatment)* (**A-GIA**), carried out by the company **FCC Aqualia** in Spain (footprints for 2015, 2016, 2017 and 2018) and Portugal (footprints for 2016 and 2018) and where it has operational control.
- Registration of FCC Aqualia in Spain's **Carbon Footprint Register (Spanish Ministries of Agriculture, Fisheries and the Environment, and of Ecological Transition)** and monitoring of the Carbon Footprint Reduction Plan.
- Verification of Aqualia Portugal's carbon footprint for 2016 and 2018.
- Verification of the carbon footprint of Smvak (subsidiary of Aqualia) 2014.

2020

- Calculation of the carbon footprint for the entire "*Integrated water cycle management activity (abstraction, distribution, customer management, sewerage and treatment)*" (**A-GIA**), carried out by the company **FCC Aqualia** in Spain, where it has operational control (Footprint for 2019).
- Approval of **FCC Aqualia's** Carbon Footprint Reduction Plan in Spain for the 2020-2022 period.
- Registration of FCC Aqualia in the **Carbon Footprint Register of the Spanish Ministry for the Ecological Transition and the Demographic Challenge (***Ministerio de Transición Ecológica y Reto Demográfico***, MITERD).**

2021

- The method for calculating Aqualia's carbon footprint for the activity of "*End-to-end water cycle management (abstraction, distribution, customer management, sewerage and purification)*" (A-GIA) is adapted to the new version of ISO 14064:2019, calculating the carbon footprint of Spain, according to this method, for the period between November 2021 and October 2022 (both inclusive).
- Registration of FCC Aqualia in the **Carbon Footprint Register of the Spanish Ministry for the Ecological Transition and the Demographic Challenge (***Ministerio de Transición Ecológica y Reto Demográfico***, MITERD).**
- Verification of Aqualia Portugal's 2020 carbon footprint.

2022-2023

- Aqualia's carbon footprint is calculated for the activity of "*End-to-end water cycle management (abstraction, distribution, customer management, sewerage and treatment)*" (A-GIA), where it has operational control, both in Spain and internationally, for the period between November 2021 and October 2023.
- Registration of FCC Aqualia (Spain) in the **Carbon Footprint Register of the Spanish Ministry for the Ecological Transition and the Demographic Challenge** (the calculation registered for 2023 refers to the calendar year).
- Verification of Aqualia Portugal's 2022 carbon footprint.
- Verification of Smvak's (Aqualia's subsidiary) carbon footprint for 2019.
- Offset projects: 1,800 tCO_2e by cancelling the following projects:
  - Project: Pacajai REDD+ Project (VCU Serial No. 11082-278316489-278318088-VCS-VCU-259-VER-BR-14-981-02012012-31122012-0): 1,600 tCO_2e.
  - Ministry for the Ecological Transition and the Demographic Challenge: Project: BOSQUIA FORCAREI REFORESTATION in Pardesoa, Forcarei (Pontevedra) (Code No. 2024-b158). 100 tCO_2e.
  - Catalan Office for Climate Change (*Oficina Catalana del Canvi Climàtic*): Voluntary Offsetting Programme - Bolsa 3, a project promoted by the Banc dels Aliments de Lleida (Lleida food bank). 100 tCO_2e.
  - AENOR Verification Statement for FCC AQUALIA, S.A. from the 2023 CO_2 Emissions Neutrality Report for the Lleida end-to-end water cycle.

2024

- Registration of FCC Aqualia Spain in the **Carbon Footprint Register of the Spanish Ministry for the Ecological Transition and the Demographic Challenge.**

One of FCC Aqualia's fundamental objectives is continuous improvement by means of an Integrated Management System that includes both the quality management of the processes, products and services and environmental management, publishing this report in order to facilitate the verification of the GHG emissions inventory and to inform its stakeholders in a transparent manner.

The main objectives pursued by this initiative are to:

- Know and assess the organisation's GHG emissions so as to identify opportunities for carbon footprint reduction and/or offsetting.
- Participate in voluntary GHG programmes.
- Have corporate GHG information available.
- Improve the position with customers and the general public, already accustomed to the company's commitments to quality and environmental management, by maintaining a responsible commitment to continuous improvement.

Characteristics of the Aqualia Emissions Report 2024

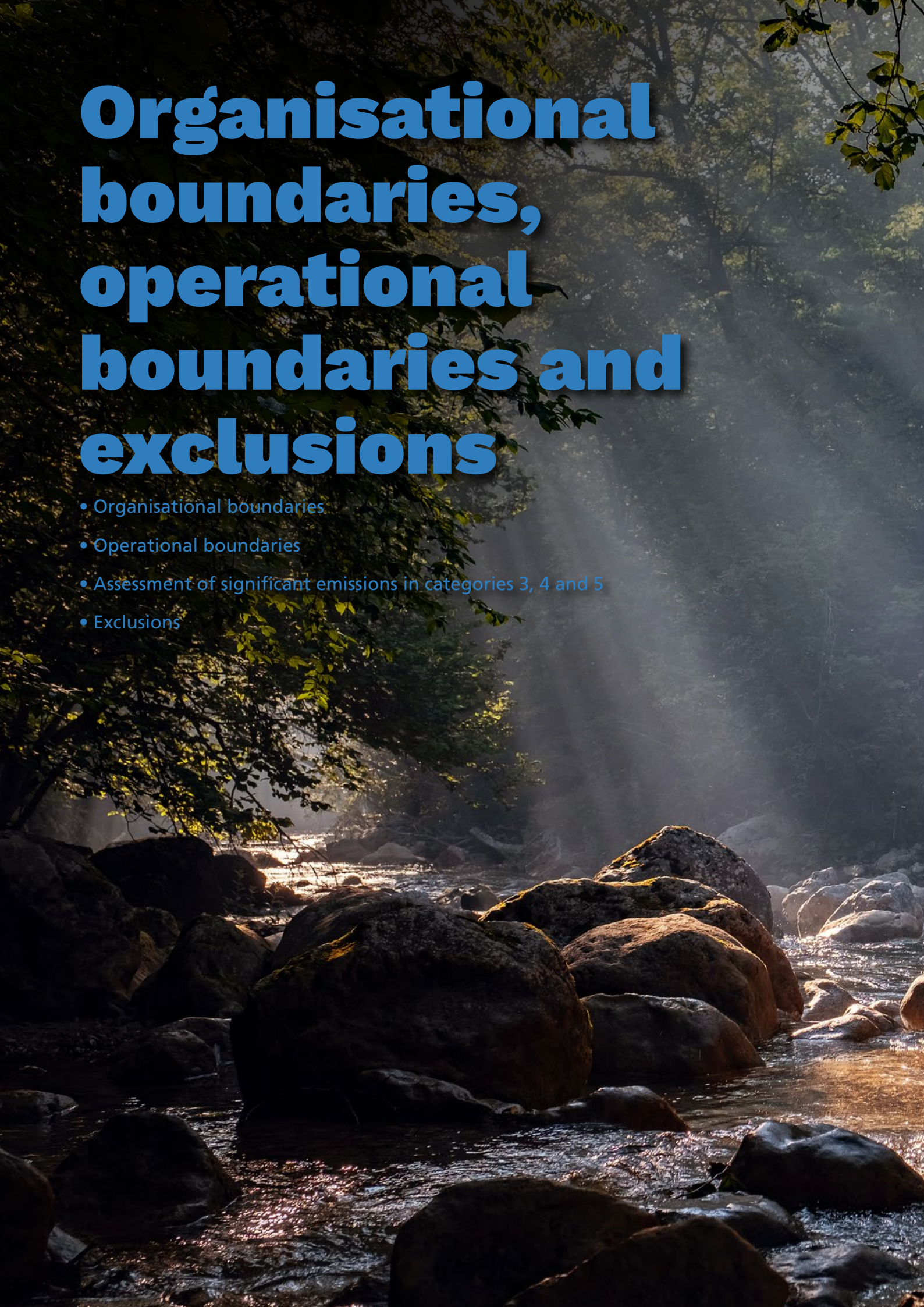
This report includes the greenhouse gas inventory for the year 2024 (hereinafter referred to as the "period" or "current period"), of the activity "End-to-end water cycle management (abstraction, distribution, customer management, sewerage and treatment)" (A-GIA), carried out by the Aqualia company, in its contracts located in Spain, France, Italy, Portugal, Czech Republic, Egypt, Algeria, Oman, Qatar, United Arab Emirates, Saudi Arabia, Mexico and Colombia; including investee companies (temporary joint ventures [UTE or *Uniones Temporales de Empresas* in Spanish] and joint ventures between the public and private sectors [*Empresas Mixtas*) over which Aqualia has operational control.

The person responsible for approving this report is Mr Pedro Rodríguez Medina, Aqualia's Director of Strategic Development and Sustainability. The report is prepared in accordance with the requirements of the Standard UNE-EN ISO 14064-1: 2019 "Greenhouse Gases. Part 1: Specification with guidance, at organisation level, for the quantification and reporting of greenhouse-gas emissions and removals".

The external audit of the report has been carried out with a limited assurance engagement.

Organisational boundaries, operational boundaries and exclusions

- Organisational boundaries
- Operational boundaries
- Assessment of significant emissions in categories 3, 4 and 5
- Exclusions



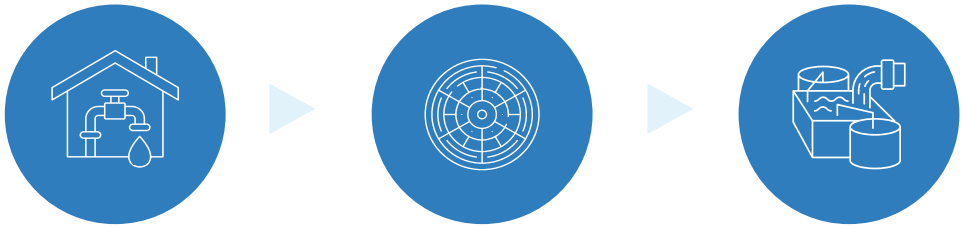
Organisational boundaries

The GHG emissions from **Aqualia's end-to-end cycle management** are consolidated applying an **operational control approach**. According to this criterion, direct and indirect emissions from activities over which the company has operational control, i.e. the authority to introduce operational policies, are accounted for.[1]

Under this control, all direct emissions found in the different installations set out in the process map must be reported.

Installation is defined as the set of processes that make up the end-to-end water cycle.

The processes to be included are those represented in the figure below:



Supply ..... **Sewerage** ..... **Treatment**

Abstraction and distribution

[1] See the list of contracts under Aqualia's operational control in Annex 6.1. Aqualia's activity

Operational boundaries

The classification of GHG emissions, according to ISO 14064-1:2019, are as follows:

Category 1: direct GHG emissions

- Mobile combustion: fuels (diesel, petrol, CNG and LPG) in vehicles and mobile machinery with combustion engines, e.g. vans, sewer cleaning trucks and civil engineering machinery.
- Combustion in stationary installations (diesel, natural gas and coal) with combustion engines such as boilers and generators.
- Diffuse methane emissions in the pre-treatment and other anaerobic areas of the WWTP water line, as well as biogas leaks and unburned biofuel in the biofuel combustion equipment at the WWTPs (motor-generators, boilers and flares).
- Diffuse N_2O emissions from biological reactors in the WWTPs.
- Anthropogenic CO_2 emissions from biogas combustion in boilers, motor-generators and flares at the WWTPs.

Category 2: indirect emissions from imported energy

- Emissions due to use of electricity. Emissions are estimated using the (location-based) and (market-based) approaches. The difference between the two methods lies in the emission factor (kg CO_2/kWh) used in the calculations: the first uses the national mix, while the second—applicable only to Spain—takes into account the guarantees of origin purchased and the electricity supplier's mix (Iberdrola Clientes).

Category 3: indirect emissions from transport

- Emissions due to business trips made by company personnel.

Category 4: indirect emissions from goods and services used by the organisation

- Emissions due to the energy losses that occur in energy production and in the electricity transmission and distribution networks of the electricity companies.
- Emissions due to the life cycle of the fuels consumed (diesel, petrol, LPG and CNG).
- Purchase and leasing of vehicles.
- Purchase of treated water.
- Material consumption: meters as the activity's most representative material.
- Consumption of drinking water treatment reagents:
  - Bisulphite, chlorine gas, coagulants, flocculants, acid pH correctors, basic pH correctors, descalers, sodium hypochlorite, oxygen, sludge dehydrators and potassium permanganate.
- Consumption of wastewater treatment reagents
  - Antifoaming agents, coagulants, flocculants, polyelectrolytes (in sludge dewatering and thickening), carbonating reagents, hypochlorite in tertiary treatment, caustic soda in deodorisation, citric acid, sodium bisulphite, chlorine gas and reagents used in the chemical precipitation of phosphorus.
- Management of sewage sludge in landfill.
- Wastewater treatment plant waste management.
- N_2O emissions in the discharge of treated water.

For supplies in this category, with the exception of vehicles, the calculations use emission factors that include the transport of vehicles.

Assessment of significant emissions in categories 3, 4 and 5

Following Aqualia's commitment since 2016 in the fight against climate change, it wishes to go a step further by analysing the Greenhouse Gas (GHG) emissions from indirect sources in 2024, not only in the installations in Spain but also in the rest of the countries where it operates.

According to the UNE-EN ISO 14064-1: 2019 guidelines for the quantification and reporting of an organisation's GHG emissions and removals, companies must establish and document the boundaries of the study, including the identification of direct and indirect GHG emissions and removals associated with their operations.

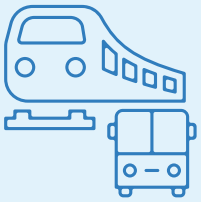
For indirect GHG emissions, a study has been carried out to define and explain the criteria for significance and, thus, the quantification and reporting of those GHG emissions that represent a relevant impact due to its activity. In addition, justifications are given for the exclusion of those indirect emissions that do not have a representative impact.

Occasionally, emissions generated by indirect actions, but within the **operational control** of the company, can represent the vast majority of a company's total emissions. Therefore, a proper estimate of the carbon footprint should not only be based on what are known as scope 1 and 2 emissions, but extended to the whole supply chain. Aqualia has therefore carried out a **hotspot analysis** to identify the **extent of indirect emissions** and the **most relevant categories,** in order to determine which areas should be focused on in the **GHG inventory for future years.** The categories analysed according to ISO 14064 are shown below.

Category
Category 3. Indirect GHG emissions caused by transport
Category 4. Indirect GHG emissions from products used by the organisation
Category 5. Indirect GHG emissions associated with the use of the organisation's products
Category 6. Indirect GHG emissions caused by other sources

	• Caused by upstream transport and **distribution of goods**. • Caused by downstream transport and **distribution of goods**. • Caused by **employees'** daily commuting. • Caused by the transport of **customers and visitors** to the organisation's facilities. • Caused by **business travel**.
1. Caused by **goods purchased** by the organisation	• Arising from **purchased products**. • Arising from **purchased and depreciated capital goods**.
2. Caused by **services used** by the organisation	• Arising from the **disposal of solid and liquid waste**. • Arising from the **use of leased equipment assets**. • Caused by **services not described** in the foregoing subcategories.
	• Arising from the **product use** phase. • Arising from **downstream leased assets**. • Arising from the **end-of-life phase** of products. • Arising from **investments**.

Furthermore, for easier understanding, a comparison is provided of the categories under ISO 14064 with GHG Protocol scope 3.



Category 3: indirect GHG emissions from transport

3.4. Upstream transport and distribution
3.6. Business travel
3.7. Employee commuting
3.9. Downstream transport and distribution

Category 4: indirect GHG emissions caused by products used by the organisation

3.1. Purchased goods and services
3.2. Capital goods
3.3. Activities related to fuel and energy not included in scopes 1 and 2
3.5. Waste
3.8. Upstream leased assets

Category 5: indirect GHG emissions associated with use of the organisation's products

3.10. Processing of sold products
3.11. Use of sold products
3.12. End-of-life treatment of products
3.13. Downstream leased assets
3.15. Investments

Category 6: indirect GHG emissions from transport

3.14. Franchises

Having defined the operational scope of the company's activities for 2024 GHG emissions reporting, an assessment of the different categories and primary data sources has been carried out. Thus, the significance analysis for evaluating those emissions relevant to the company can be carried out.

Country	No. of contracts	Facilities	No. of employees
Saudi Arabia	1	10	20
Algeria	1	9	48
Qatar	1	4	44
Czech Republic	8	802	912
Colombia	32	751	979
Egypt	3	8	459
United Arab Emirates	2	155	424
Spain	591	13,172	7,498
France	19	893	186
Georgia	3	390	2,836
Italy	23	288	203
Mexico	3	51	71
Oman	1	4	99
Portugal	5	637	114
Total	**693**	**17,174**	**13,893**

Category 3: indirect GHG emissions caused by transport (activity data)

This category includes the transport of people and goods, where the transport is not owned or controlled by the organisation (direct emissions). Within this category there are, in turn, different subcategories according to emission source. Some of the considerations and data evaluated for the study of emissions related to the **transport of purchased products**, **employee commuting** and **business travel** are listed below:

Transport and distribution of goods upstream/downstream (suppliers)

The source of information was the internal expenditure ledger. Taking into account only the types of suppliers with associated logistics, a base scenario has been made with the distribution of national and international suppliers in Spain, extrapolating this proportion to the rest of the countries. On this basis, an average distance (AD) of 100 km has been considered for domestic freight by truck and 5,000 km for international freight by cargo aircraft.

Country	AD - National Supplier (Km)	AD - International Supplier (Km)	tCO_2e (national supplier)	tCO_2e (international supplier)	tCO_2e (total)
Saudi Arabia	989.26	537	0.48	0.59	1.07
Algeria	395.71	215	0.19	0.24	0.43
Qatar	989.26	537	0.48	0.59	1.07
Czech Republic	3,660.28	1,986	1.78	2.18	3.97
Colombia	56,981.60	30,920	14.04	21.04	35.08
United Arab Emirates	989.26	537	0.48	0.59	1.07
Egypt	593.56	322	0.29	0.35	0.64
Spain	709,500.00	385,000	345.76	423.13	768.89
Georgia	1,879.60	1,020	0.92	1.12	2.04
Mexico	6,232.36	3,382	1.54	2.30	3.84
Oman	791.41	429	0.39	0.47	0.86
Portugal	7,617.33	4,133	3.71	4.54	8.25
Total	**790,619.63**	**429,018**	**370.07**	**457.15**	**827.21**

Daily commuting of employees

The information as primary data has been based on the number of employees per country. An estimate has been made based on an average of 40 km (return journey) per day per worker commuting by vehicle, and 10 km (return journey) on foot. It has been considered that 60% of people use their own vehicle, 25% public bus, 10% train and 5% on foot.

Country	On foot (km)	Bus (km)	Private car (km)	Train (km)	tCO_2e
Saudi Arabia	2,550.00	51,000.00	122,400.00	20,400.00	26.53
Algeria	6,000.00	120,000.00	288,000.00	48,000.00	62.42
Qatar	5,566.00	111,320.00	267,168.00	44,528.00	57.90
Czech Republic	114,912.00	2,298,240.00	5,515,776.00	919,296.00	1,195.46
Colombia	118,948.50	2,378,970.00	5,709,528.00	951,588.00	1,213.02
United Arab Emirates	55,544.00	1,110,880.00	2,666,112.00	444,352.00	577.84
Egypt	56,686.50	1,133,730.00	2,720,952.00	453,492.00	589.73
Spain	847,274.00	16,945,480.00	40,669,152.00	6,778,192.00	9,191.80
France	23,250.00	465,000.00	1,116,000.00	186,000.00	241.88
Georgia	357,336.00	7,146,720.00	17,152,128.00	2,858,688.00	3,717.47
Italy	25,578.00	511,560.00	1,227,744.00	204,624.00	266.10
Mexico	8,910.50	178,210.00	427,704.00	71,284.00	90.87
Oman	12,375.00	247,500.00	594,000.00	99,000.00	128.74
Portugal	13,680.00	273,600.00	656,640.00	109,440.00	142.32
Overall total	**1,648,610.50**	**32,972,210.00**	**79,133,304.00**	**13,188,884.00**	**17,502.06**

Business travel

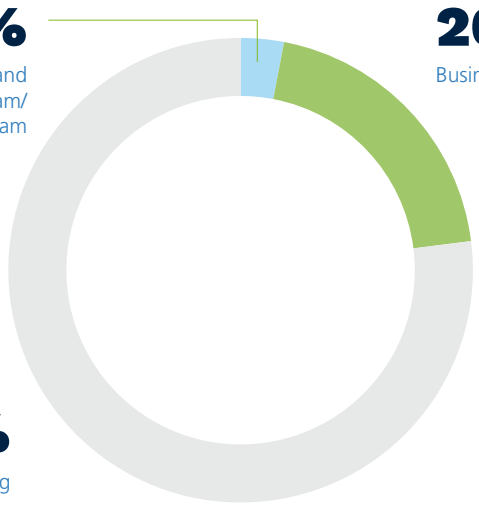
The sources of information were the travel agencies providing the booking service. Due to the lack of full traceability of journeys (origin-destination), total distances travelled per vehicle type have been used to calculate emissions. The Czech Republic has not been considered in this category because no data were available.

Country	Means of transport used	AD (km)	tCO_2e
Saudi Arabia	Air	2,093,539	677.83
Saudi Arabia	Rail	673	0.02
Algeria	Air	35,026	11.34
Algeria	Rail	2,305	0.08
Qatar	Air	46,610	15.09
Qatar	Rail	342	0.01
Czech Republic*	-	-	-
Colombia	Bus	4,638	0.19
Colombia	Taxi	5,411	1.00
Colombia	Air	2,024,740	655.55
Egypt	Air	13,383	4.33
United Arab Emirates	Air	182,134	58.97
Spain	Air	6,971,943	2,257.31
Spain	Rail	1,063,693	37.72
Spain	Rent a car	593,089	112.72
France	Air	28,564	9.25
Georgia	Air	601,574	194.77
Georgia	Rail	180	0.01
Italy	Air	5,084	1.65
Mexico	Air	1,296,482	419.76
Mexico	Rail	2,266	0.14
Oman	Air	164,818	53.36
Oman	Rail	969	0.03
Portugal	Air	3,080	1.00
Total		**15,140,542**	**4,512.13**

Category 3: indirect GHG emissions caused by transport (results)

As a result of the analysis of the different subcategories, the results are shown below in relation to category 3. Commuting is the largest contributor to transport emissions (almost 77% of category 3), followed by business travel (20% of emissions). Emissions associated with the logistics of the identified services contribute minimally to the category (3% of total emissions).

Country	Transport and distribution upstream/ downstream (tCO_2e)	Business travel (tCO_2e)	Employee commuting (tCO_2e)	Total (tCO_2e)
Saudi Arabia	1.07	677.85	26.53	705.45
Algeria	0.43	11.42	62.42	74.27
Qatar	1.07	15.10	57.90	74.08
Czech Republic	3.97	0.00	1,195.46	1,199.43
Colombia	35.08	656.75	1,213.02	1,904.84
Egypt	0.64	4.33	589.73	594.70
United Arab Emirates	1.07	58.97	577.84	637.88
Spain	768.89	2,407.74	9,191.80	12,368.43
France	0.00	9.25	241.88	251.12
Georgia	2.04	194.78	3,717.47	3,914.28
Italy	0.00	1.65	266.10	267.74
Mexico	3.84	419.90	90.87	514.60
Oman	0.86	53.40	128.74	183.00
Portugal	8.25	1.00	142.32	151.57
Total	**827.21**	**4,512.13**	**17,502.06**	**22,841.40**



3%
Transport and distribution upstream/ downstream

20%
Business travels

77%
Employee commuting

22,841.40 tCO_2e
estimated total emissions

Emission factors used: emission factors from DEFRA, IEA, EPA and MITERD have been used.

Category 4: indirect GHG emissions caused by products and services used by the organisation (activity data)

The GHG emissions associated with the different products that Aqualia uses for its activity have been considered in this category. They are divided into emissions for **used purchased products** (with a "cradle to gate" approach), **capital goods emissions**, **upstream emissions from the purchase of energy**, and those due to **generated waste**.

Subcontracted services are considered ancillary to Aqualia's own business, and therefore not included in this year's study. These include advisory and consultancy services, leasing of machinery, and of software/ hardware, industrial safety, insurance and telephony services, maintenance work, changing rooms and PPE, among others.

Despite the availability of economic data (there is an expenditure of €270,017,040 on services out of the total of €602,964,418 of goods and services purchased), the categories are very disparate between countries and the traceability of the information does not guarantee that there are no duplicates of shared expenditure across regions, or between other group companies. This situation means that it is not possible to assure the quality of the data in the year of this study. Also, it is difficult to have specific emission factors appropriate to the nature of these economic data.

However, it will be considered for future years of study.

Purchased goods and services

The source of information was the set of internal records of products purchased. In the case of water, the information provided distinguishes between raw water collected, raw water purchased and raw water treated. Raw water collected and purchased is considered to have no associated emissions for Aqualia's activity.

Fuel and energy-related activities not included in Scope 1 or 2.

The source of information was the set of internal energy consumption records based on invoices. Only the activity data for those energy types with GHG emissions associated with their extraction, production and transport are shown. It should be noted that Aqualia has self-generated energy through photovoltaic panels, turbines, CHP with biogas or direct purchase of electricity with Renewable Energy Guarantees of Origin (GoO).

Disposal and treatment of waste generated in operations

Internal waste generation and management records were used. Saudi Arabia and Algeria have not been considered in this category due to lack of activity data.

Upstream leased assets

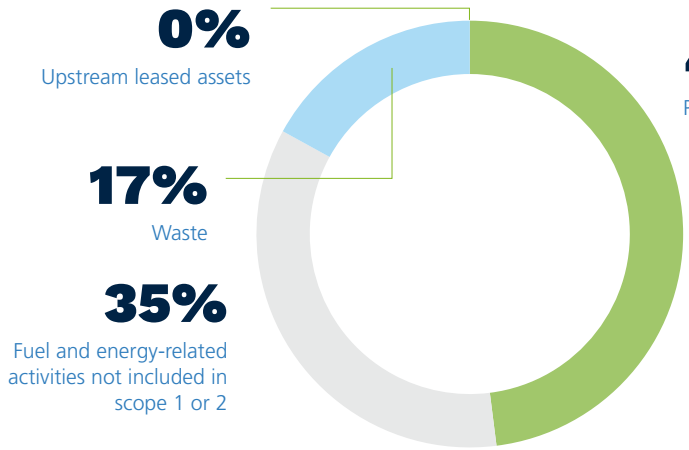
The source of information was the expenditure ledger. United Arab Emirates, France and Italy have not been considered in this category due to lack of activity data. The data provided for Saudi Arabia, Algeria and Czech Republic are negative due to expense adjustments in the accounting entries and have therefore not been included in this category.

Country	Leased assets	AD	Unit
Spain	Leasing of real estate (industrial and non-industrial)	9,133,515.53	EUR
Algeria		152,134.38	EUR
Qatar		97,735.30	EUR
Egypt		2,548.34	EUR
Georgia		512,381.53	EUR
Mexico		278,677.91	EUR
Oman		20,725.62	EUR
Portugal		62,891.26	EUR

Category 4: indirect GHG emissions caused by products and services used by the organisation (results)

As a result of the analysis of the different subcategories, the results are shown below in relation to category 4. Among the emission sources evaluated, those relating to the purchase of energy and related activities not included in Scope 1 or 2 account for 48%. The purchase of water, reagents and products associated with water purification and treatment means that the subcategory of purchased goods and services represents 35%, followed by waste emissions (17%).

Country	Purchased goods and services (tCO_2e)	Fuel and energy-related activities not included in scope 1 or 2 (tCO_2e)	Waste (tCO_2e)	Upstream leased assets (tCO_2e)	Total
Saudi Arabia	938.99	5,988.59	-	0.00	**6,927.58**
Algeria	738.60	20,922.87	-	13.89	**21,675.37**
Qatar	3,556.15	1,693.98	1,808.74	11.83	**7,070.69**
Czech Republic	3,314.31	1,997.96	444.31	0.00	**5,756.58**
Colombia	10,854.82	2,709.69	-	0.00	**13,564.51**
Egypt	3,232.57	26,867.52	1,580.60	0.23	**31,680.93**
United Arab Emirates	756.23	3,357.49	3,459.07	0.00	**7,572.78**
Spain	107,288.42	28,661.87	37,681.64	339.77	**173,971.70**
France	1,856.40	1,808.04	13.92	0.00	**3,678.36**
Georgia	1,122.33	1,538.45	1,017.95	131.17	**3,809.90**
Italy	4,160.43	781.08	307.17	0.00	**5,248.68**
Mexico	743.76	2,802.47	51.34	16.05	**3,613.62**
Oman	358.43	2,592.66	2,892.49	2.51	**5,846.09**
Portugal	1,225.14	363.93	106.96	3.00	**1,699.03**
Total	**140,146.58**	**102,086.60**	**49,364.19**	**518.44**	**292,115.81**



292,115.81 tCO_2e
estimated total emissions

Emission factors used: emission factors from Ecoinvent, Exiobase, DEFRA, IEA, GHG Emission Calculator of Catalan Office for Climate Change and Environmental Protection Agency (EPA) have been used.

Significance analysis results and significance matrix

The results of the significance analysis are shown below:

Country	CATEGORY 1*	CATEGORY 2* **	CATEGORY 3. INDIRECT GHG EMISSIONS CAUSED BY TRANSPORT		
	Category 1. Direct emissions and removals	Category 2. Indirect emissions caused by imported energy	Transport and distribution upstream/ downstream (tCO_2e)	Business travel (tCO_2e)	Employee commuting (tCO_2e)
Saudi Arabia	0.00	35,485.84	1.07	677.85	26.53
Algeria	3.77	106,068.47	0.43	11.42	62.42
Qatar	1,394.45	10,642.02	1.07	15.10	57.90
Czech Republic	15,542.71	15,607.76	3.97	-	1,195.46
Colombia	3,823.00	7,299.46	35.08	656.75	1,213.02
Egypt	182,909.63	75,373.22	0.64	4.33	589.73
United Arab Emirates	8,308.16	10,608.62	1.07	58.97	577.84
Spain	136,880.22	117,306.86	768.89	2,407.74	9,191.80
France	1,953.95	1,298.10	-	9.25	241.88
Georgia	16,548.05	201.36	2.04	194.78	3,717.47
Italy	1,483.64	2,620.26	-	1.65	266.10
Mexico	687.49	13,493.75	3.84	419.90	90.87
Oman	418.39	11,340.76	0.86	53.40	128.74
Portugal	1,064.31	533.39	8.25	1.00	142.32
Total	**371,017.76**	**407,879.88**	**827.21**	**4,512.13**	**17,502.06**

Country	Category 1. Direct emissions and removals	Category 2. Indirect emissions caused by imported energy	Transport and distribution upstream/ downstream (tCO_2e)	Business travel (tCO_2e)	Employee commuting (tCO_2e)
Total	371,017.76	407,879.88	827.21	4,512.13	17,502.06
Representativeness (%)	33.92%	37.29%	0.08%	0.41%	1.60%

CATEGORY 1*	CATEGORY 2* **	CATEGORY 3. INDIRECT GHG EMISSIONS CAUSED BY TRANSPORT		
Category 1. Direct emissions and removals	Category 2. Indirect emissions caused by imported energy	Transport and distribution upstream/ downstream (tCO_2e)	Business travel (tCO_2e)	Employee commuting (tCO_2e)
371,017.76	407,879.88	827.21	4,512.13	17,502.06

Category 1. Direct emissions and removals	Category 2. Indirect emissions caused by imported energy
371,017.76	407,879.88

CATEGORY 4. INDIRECT GHG EMISSIONS CAUSED BY PRODUCTS USED BY THE ORGANISATION				Total
Purchased goods and services (tCO_2e)	Fuel and energy-related activities not included in scope 1 or 2 (tCO_2e)	Waste (tCO_2e)	Upstream leased assets (tCO_2e)	
938.99	5,988.59	-	-	**43,118.87**
738.60	20,922.87	-	13.89	**127,821.88**
3,556.15	1,693.98	1,808.74	11.83	**19,181.24**
3,314.31	1,997.96	444.31		**38,106.48**
10,854.82	2,709.69	-		**26,591.81**
3,232.57	26,867.52	1,580.60	0.23	**290,558.48**
756.23	3,357.49	3,459.07		**27,127.44**
107,288.42	28,661.87	37,681.64	339.77	**440,527.21**
1,856.40	1,808.04	13.92		**7,181.53**
1,122.33	1,538.45	1,017.95	131.17	**24,473.59**
4,160.43	781.08	307.17		**9,620.33**
743.76	2,802.47	51.34	16.05	**18,309.46**
358.43	2,592.66	2,892.49	2.51	**17,788.23**
1,225.14	363.93	106.96	3.00	**3,448.29**
140,146.58	**102,086.60**	**49,364.19**	**518.44**	**1,093,854.85**

Purchased goods and services (tCO_2e)	Fuel and energy-related activities not included in scope 1 or 2 (tCO_2e)	Waste (tCO_2e)	Upstream leased assets (tCO_2e)	Total (tCO_2e)
140,146.58	102,086.60	49,364.19	518.44	**1,093,854.85**
12.81%	9.33%	4.51%	0.05%	

CATEGORY 4. INDIRECT GHG EMISSIONS CAUSED BY PRODUCTS USED BY THE ORGANISATION				Total
Purchased goods and services (tCO_2e)	Fuel and energy-related activities not included in scope 1 or 2 (tCO_2e)	Waste (tCO_2e)	Upstream leased assets (tCO_2e)	
140,146.58	102,086.60	49,364.19	518.44	**1,093,854.85**

Category 3. Indirect GHG emissions caused by transport	Category 4. Indirect GHG emissions caused by products used by the organisation
22,841.40	292,115.81

	CATEGORY 3. INDIRECT GHG EMISSIONS CAUSED BY TRANSPORT			
	3.4. Upstream transportation and distribution	**3.6. Business travel**	**3.7. Employee commuting**	**3.9. Downstream transportation and distribution**
Magnitude (tCO_2e)	827	4,512	17,502	There are no logistics associated with the sale of products or services.
Level of influence	The capacity to influence this source is very limited, as it is usually the product suppliers themselves who are responsible for selecting the modes of transport.	Business travel is a necessity for some employees in order to carry out their duties and in most cases the use of some modes of transport instead of others is unavoidable (e.g. because the distances do not allow it). However, the company can, on the one hand, encourage the use of sustainable transport wherever possible (train vs. plane, or rental of electric vs. fossil fuel cars), as well as the promotion of meetings via telematic means whenever possible, so as to avoid travel.	The mode of transport and distances travelled by employees to the workplace are entirely outside of the control of the organisation.	
Risk or opportunity	Indirectly, potential future regulations on the most carbon-intensive modes of transport (air, road) may pose associated risks, such as higher costs.	Indirectly, potential future regulations on the most carbon-intensive modes of transport (air, road) may pose associated risks, such as higher costs.	There is not considered to be a particular risk or opportunity associated with climate change in relation to this category.	
Sector-specific guidance	Currently, there are no specific references on the significance of emission sources for organisations in the sector.	Currently, there are no specific references on the significance of emission sources for organisations in the sector.	Currently, there are no specific references on the significance of emission sources for organisations in the sector.	
Outsourcing	The selection of modes of travel and origin is under the organisation's control.	The organisation hires a travel agency to arrange the business travel, however, there is an FCC corporate travel policy to which it adheres.	The selection of modes of transport for employees is under the organisation's control.	
Employee engagement	No employee involvement in this category.	In general, business travel is managed by an external provider, so the employee is not considered to be involved in this category.	Employee mobility can be addressed by the company, taking into account the possible actions that can be implemented to promote more sustainable transport to the workplace. However, awareness-raising and sensitisation of employees in this area will facilitate the transition to a commuting model with a lower climate impact.	
TOTAL	Not significant	Significant	Not significant	

	CATEGORY 4. INDIRECT GHG EMISSIONS CAUSED BY PRODUCTS USED BY THE ORGANISATION				
	3.1. Purchased goods and services	3.2. Capital goods	3.3. Fuel and energy-related activities not included in scope 1 or 2	3.5. Waste	3.8. Upstream leased assets
Magnitude (tCO_2e)	140,147	Only the installations in two countries (Czech Republic and Georgia) can be considered as own installations and there was no construction during 2024.	102,087	49,364	518
Level of influence	Most of the purchased products are chemical materials with a moderate carbon footprint (around $kgCO_2$ per kg of product), and in their sector the calculation and publication of the carbon footprint is not widespread, thus making it difficult, at present, to find alternatives that are less carbon-intensive.	Aqualia's capacity to reduce these emissions is currently low: the construction of this type of installation follows standard construction specifications. However, the aim is to extend the life cycle and thus reduce the impact of the infrastructures by means of a quality construction, which therefore must comply with the industry guidelines.	Electricity consumption is key to Aqualia's operations and has a direct impact on consumption.	The use of the waste generated in Aqualia's activity is key for the organisation. In addition to the usual procedures necessary to minimise the effluent load, maximum optimisation is promoted to increase the production of energy obtained from waste or to explore alternative uses.	The industrial and non-industrial properties leased are selected by Aqualia on the basis of mainly operational criteria, so there is little room for manoeuvre in the selection of alternative properties.
Risk or opportunity	There are no products used that entail a particular risk associated with climate issues, and specifically with the supply chain. They are mostly chemical reagents, water and brass.	The infrastructure required to run the service is essential to the organisation and does not inherently pose a carbon risk or opportunity as the emissions from the operation are more dependent on the pollution load of the water than on the infrastructure itself.	Energy consumption, because of its significant contribution to global emissions, is exposed to potential future regulations that will expand the requirements associated with its reduction or offsetting.	It is not only for climate-related issues that Aqualia must minimise the impact of the waste generated throughout the water management cycle. In the face of potential future regulations, both for GHG emissions and the circular economy, there may be a risk of exposure.	Due to the type of properties leased, there is not deemed to be a greater risk associated with climate change.
Sector-specific guidance	Currently, there are no specific references on the significance of emission sources for organisations in the sector.	Currently, there are no specific references on the significance of emission sources for organisations in the sector.	Currently, there are no specific references on the significance of emission sources for organisations in the sector.	Currently, there are no specific references on the significance of emission sources for organisations in the sector.	Currently, there are no specific references on the significance of emission sources for organisations in the sector.

	CATEGORY 4. INDIRECT GHG EMISSIONS CAUSED BY PRODUCTS USED BY THE ORGANISATION				
	3.1. Purchased goods and services	3.2. Capital goods	3.3. Fuel and energy-related activities not included in scope 1 or 2	3.5. Waste	3.8. Upstream leased assets
Outsourcing	Aqualia has a purchasing department that procures materials and has a procurement policy that requires suppliers to accept and comply with environmental responsibilities, among other things. Although it does not currently address carbon footprint issues, it could be expanded in the future.	The infrastructures may be developed by third parties or by FCC.	The monitoring of energy consumption and the potential implementation of improvements is under Aqualia's control.	Aqualia works directly on the development of processes and technologies that lead to a reduction of the waste generated in the water treatment processes and to its recovery as useful materials.	There is very limited ability to directly influence the environmental practices of leased facilities.
Employee engagement	No employee involvement in this category.	These emissions are associated with the construction of the infrastructure, so there is no link to employee engagement.	These emissions are not dependent on the engagement of the company's employees.	Although employees may generate waste during operation, most of this waste is associated with Aqualia's own activity.	These emissions are not dependent on the engagement of the company's employees.
TOTAL	Significant	Not significant	Significant	Significant	Not significant

	CATEGORY 5. INDIRECT GHG EMISSIONS ASSOCIATED WITH THE USE OF THE ORGANISATION'S PRODUCTS				
	3.10. Processing of sold products	3.11. Use of sold products	3.12. Treatment of end-of-life products	3.13. Downstream leased assets	3.15. Investments
Magnitude (tCO_2e)	Aqualia is the concessionaire of the water management and treatment service and does not sell any products. Therefore this category does not apply.	Aqualia is the concessionaire of the water management and treatment service and does not sell any products. Therefore this category does not apply.	Aqualia is the concessionaire of the water management and treatment service and does not sell any products. Therefore this category does not apply.	Aqualia is the concessionaire of the water management and treatment service and does not sell any products. Therefore this category does not apply.	Aqualia makes no investments.

	CATEGORY 6. INDIRECT GHG EMISSIONS CAUSED BY OTHER SOURCES
	3.14. Franchises
Magnitude (tCO_2e)	The company has no franchises

Amount	Category	Magnitude	Level of influence	Risk or opportunity	Sector-specific guidance	Outsourcing	Employee engagement
2	Significant	Emissions >5% of total (3)	The company has the capacity to reduce this emission source (2)	Climate-related opportunities or risks associated with this emission source are identified (2)	There are specific references on the significance of emission sources for organisations in the sector and it is a high impact source(2)	The management of this activity is not outsourced and therefore this emission source is under full internal control (2)	Emission sources that have a high visibility/are directly linked to the employee and can motivate their engagement (2)
1	Not significant	Emissions <5% of total (1)	The company has no capacity to reduce this emission source (1)	No climate-related opportunities or risks associated with this emission source are identified (1)	There are no specific references on the significance of emission sources for organisations in the sector (1)	The management of this activity is essentially outsourced and therefore this emission source is not under full internal control (1)	Emission sources that have a high visibility/are directly linked to the employee and cannot motivate their engagement (1)

	CATEGORY 3. INDIRECT GHG EMISSIONS CAUSED BY TRANSPORT			
	3.4. Upstream transportation and distribution	3.6. Business travel	3.7. Employee commuting	3.9. Downstream transportation and distribution
Magnitude (tCO_2e)	1	1	1	
Level of influence	1	2	1	
Risk or opportunity	2	2	1	
Sector-specific guidance	1	1	1	
Outsourcing	1	2	1	
Employee engagement	1	1	2	

	CATEGORY 4. INDIRECT GHG EMISSIONS CAUSED BY PRODUCTS USED BY THE ORGANISATION				
	3.1. Purchased goods and services	3.2. Capital goods	3.3. Fuel and energy-related activities not included in scope 1 or 2	3.5. Waste	3.8. Upstream leased assets
Magnitude (tCO_2e)	3		3	3	1
Level of influence	1	1	2	2	1
Risk or opportunity	1	1	2	2	1
Sector-specific guidance	1	1	1	1	1
Outsourcing	2	2	2	2	1
Employee engagement	1	1	1	1	1

Exclusions

The following are excluded from categories 1 and 2:

- **Direct emissions from "refrigerant gases".** The estimate of this emission in 2021 was made on the basis of the refrigerant recharge carried out in the A-GIA office in Lleida in 2013 (4.2 kg of R-410-A), then assuming that the consumption of refrigerant gases in the offices in Spain is proportional to the electricity consumption of the same (1,745,069 kWh for Spain and 103,165 kWh for the Lleida office). Thus, about 137 tCO_2eq were estimated for 2021 = (1,745,069 kWh / 103,165 kWh) × 4.2 kg refrigerant × 1,924 kg CO_2eq / kg refrigerant × (1 tCO_2eq / 1,000 kg CO_2eq), a volume well below 5 % of categories 1 and 2.

- **Emissions from Adblue consumption in diesel vehicles**. Very few services use these vehicles and there are fewer and fewer of them.

The following are excluded from category 3:

- **Emissions from downstream transport and distribution**, as there are no logistics associated with the sale of products or services.

The following are excluded from category 4:

- **Capital goods emissions.** We have various installation types—transformer substations, desalination plants, water-pumping stations, pipeline networks, and so on—yet this category has not been evaluated for the 2024 reporting year for several reasons. Among others, no construction work was carried out during the evaluation year. In other cases, the installations are not built by Aqualia, we only operate them.

- **Purchased services emissions.** Despite the availability of economic data (there is an expenditure of €270,017,040 on services out of the total of €602,964,418 of goods and services purchased), the categories are very disparate between countries and the traceability of the information does not guarantee that there are no duplicates of shared expenditure across regions, or between other group companies. This situation means that it is not possible to assure the quality of the data in the year of this study. Also, it is difficult to have specific emission factors appropriate to the nature of these economic data.

- However, it will be considered for future years of study.

The following are excluded from category 5:

- **Emissions from the processing of sold products, use of sold products, treatment of end-of-life products and downstream leased assets.** Aqualia is the concessionaire of the water management and treatment service and does not sell any products. Therefore this category does not apply.

- **Investments emissions:** Aqualia has no investments, so this subcategory is not included in the study.

The following are excluded from category 6:

- **Emissions arising from franchises:** the company has no franchises.

Quantification methodology

- Direct emissions (category 1)
- Biogenic emissions of anthropogenic origin (category 1)
- Indirect energy emissions (category 2)
- Indirect transport emissions (category 3)
- Indirect emissions from goods and services used by the organisation (category 4)
- Removals
- Avoided emissions

Direct emissions (category 1)

Code	Process	Emission	Description
1.1	SUPPLY	Vehicle fuel: petrol, diesel, LNG, CNG and LPG (supply)	Emissions from the use of fuels in vehicles and mobile machinery, for which we have operational control, have been carried out according to the fuel consumption data obtained from the cards used for refuelling (SOLRED cards and others). The emission factors for B7 diesel, E5 petrol, LPG, LNG and CNG obtained from the latest version of the emission factors document drawn up by the Spanish Ministry for the Ecological Transition and the Demographic Challenge have been used to calculate the carbon footprint. In Mexico, the factor obtained from the Official Federal Gazette (*Diario Oficial de la Federación*) (9 March 2025) has been used; in Portugal the factors from the National Emissions Inventory (*Inventario Nacional de Emisiones*) (2024) have been used, and in France the factors published by ADEME (*French Agency for Ecological Transition*) (March 2025) have been used. In countries where no specific level has been reached, DEFRA factors are used.
1.2	SEWERAGE	Vehicle fuel: petrol, diesel, LNG, CNG and LPG	
1.3	WATER TREATMENT	Fuel: petrol, diesel, LNG, CNG and LPG	
1.4	SUPPLY	Fuel consumed in fixed installations (diesel + natural gas + coal)	Emissions from the use of fossil fuels in generators and boilers for which we have operational control are based on data obtained from meter readings or invoices for fuel purchases. The emission factors used are those obtained from the latest version of the emission factors document drawn up by the Spanish Ministry for the Ecological Transition and the Demographic Challenge in the case of boiler oil; and those of the International Energy Agency (IEA) in the case of Natural Gas and Coal.
1.5	SEWERAGE	Fuel consumed in fixed installations (diesel + natural gas + coal)	
1.6	OTHERS	Fuel consumed in fixed installations (diesel + natural gas + coal)	
1.7	WATER TREATMENT	Fuel consumed in fixed installations (diesel + natural gas + coal)	
1.8	WATER TREATMENT	Diffuse total methane in treatment plant	The calculation of diffuse methane emissions is based on the PRTR Guide of the Junta de Andalucía (2023), Equation 15, p. 37 (based on document AP-42, volume I, chap. 4.3 of the EPA). With this method, the total amount of methane emitted in the purification processes within the water line is obtained according to the residence time of the water in the anaerobic processes. The tonnes of carbon dioxide equivalent are obtained by multiplying the following factors: • Kg of BOD5 per year in the influent water. • Anaerobically digested fraction (calculated based on the fraction of time water spends in anaerobic treatments versus total time in both anaerobic and aerobic treatments). The value used is the reference value defined in AP-42: 15%. • The methane emission factor according to BOD: 0.22kg methane/kg BOD5.

* In the absence of direct measurements, the emissions have been obtained by means of calculations.

Code	Process	Emission	Description
1.9	WATER TREATMENT	N_2O emissions in the biological reactor	Carbon dioxide and nitrous oxide emissions have been identified, although only the latter are quantified because carbon dioxide emissions are considered biogenic. For the calculation, the emission factor proposed by the IPCC in chapter 6 "Wastewater Treatment and Disposal" of the IPCC 2006 guidelines for national greenhouse gas inventories has been used, in addition to the number of equivalent inhabitants served by the treatment plant.
1.10	WATER TREATMENT	Unburned methane and biogas leakage	Methane gas flaring in the water treatment equipment (boiler, flare and CHP engine) is calculated by differentiating between the following emissions: • Unburned: the methane combustion efficiency in the equipment is not 100 percent. The mass of gas emitted as a result of incomplete combustion by the equipment has been accounted for. For this purpose, the typical efficiencies of the equipment in LFG (Landfill Gas) flaring have been taken. These data are obtained from the EPA's Background Information Document for Updating AP42 Section 2.4 for Estimating Emissions from Municipal Solid Waste Landfills. September, 2008 in chapter 3.3 (Table 2.4-3). • Leaks: at present it has not been possible to demonstrate methane leaks throughout the process (from generation to combustion).

Biogenic emissions of anthropogenic origin (category 1)

Code	Process	Emission	Description
1.11	WATER TREATMENT	Anthropogenic biogenic CO_2 emissions: combustion of methane from biogas (boiler + flare + cogeneration)	Methane combustion as biomass: the biogas produced and burned at the WWTP (Wastewater Treatment Plant) facilities is considered biomass and therefore has an emission factor of 0. However, the actual emissions that are produced by the flaring of such methane in the different items of equipment have been quantified. These emissions are not taken into account in the total computation of the organisation's Carbon Footprint and are therefore shown separately from other emissions.

Indirect energy emissions (category 2)

Code	Process	Emission	Description
2.1	SUPPLY	Electricity (intakes + DWTP – Drinking Water Treatment Plant)	Indirect GHG emissions associated with electricity consumption: The data on purchased and consumed electricity will be obtained directly from the meter reading, reflected in the invoices issued by the electricity company in the year of calculation and/or through a periodic monitoring of the energy meter, an internal record (daily, weekly, etc.). The emission factor used for the calculations under the location-based approach is the national mix for Spain; for Colombia the factor from the National Interconnected System (2023) is used; for Mexico the one published by the Mexican Ministry of the Environment (28 February 2025). For the rest of the countries, the emission factors used are those published by the International Energy Agency. Under the market-based approach, which takes into account the guarantees of origin (GdOs) purchased and the emission factor of the main supplier in Spain (Iberdrola Clientes). In the rest of the countries it has not been possible to obtain the market-based factor and so the same factor applied in location-based calculations has been used.
2.2	SUPPLY	Electricity (DWPS – Drinking Water Pumping Station + storage tanks)	
2.3	SEWERAGE	Electricity (sewerage)	
2.4	WATER TREATMENT	Electric power (WWTP)	
2.5	OTHERS	Purchased electricity and heat (other)	

Indirect transport emissions (category 3)

Code	Process	Emission	Description
3.10	MISCELLANEOUS	Business travel	This category includes the transport of people and goods in Aqualia, where the transport is not owned or controlled by the organisation (direct emissions). Within this category, we study business travel.

Indirect emissions from goods and services used by the organisation (category 4)

Code	Process	Emission	Description
4.1	SUPPLY	Generation and transmission of electric power (Catchments + DWTP) (market-based)	Indirect GHG emissions from the generation and transmission of consumed electricity.
4.2	SUPPLY	Generation and transmission of electric power (DWPS) (market-based)	Data on electric power lost during the extraction, processing and transportation of fossil fuels used in power plants, as well as emissions from the construction and operation of these plants, and those generated by energy losses in the electricity transmission and distribution lines from generation plants to points of use in order to meet the electricity consumption requirements of A-GIA. The GHG emission from transport is calculated in the same way as the GHG emission caused by consumption and is calculated using the *market-based* method. We use IEA factors.
4.3	WATER TREATMENT	Generation and transmission of electric power (WWTP) (market-based)	
4.4	SEWERAGE	Generation and transmission of electric power (WWPS) (market-based	
4.5	OTHERS	Generation and transmission of electric power and heat (market-based)	
4.6	SUPPLY	Fuel life cycle (diesel, petrol and LPG)	Indirect GHG emissions generated upstream by fuel production, transport and distribution: The indirect emissions associated with the extraction, refining and transport from raw fuel sources to an organisation's site (or asset) prior to combustion are taken into account.
4.7	SEWERAGE	Fuel life cycle (diesel, petrol and LPG)	
4.8	WATER TREATMENT	Fuel life cycle (diesel, petrol and LPG)	
4.9	OTHERS	Fuel life cycle	
4.10	WATER TREATMENT	Calculation of N_2O emissions in treated water discharge	The calculation method proposed in chapter 6 of the 2006 IPCC guidelines is followed, based on the data for the average total nitrogen concentration at the effluent outlet and the annual volume of water treated. The emission factor proposed by the IPCC and a conversion factor that converts the mass of nitrogen to the mass of nitrous oxide are applied to this mass of nitrogen, thus obtaining the emissions of this gas, produced by the WWTP effluent.
4.11	SUPPLY	Treated water	The emissions have been calculated by obtaining the data in m^3 of treated water and applying an emission factor calculated by A-GIA using data from the water collection and purification activity at the facilities managed by the company.
4.12	SUPPLY	Drinking water reagent consumption	Reagent consumption data were obtained from the invoices issued by suppliers during the study year and/or from an internal control of the reagents consumed (and subsequently checked against the quantity purchased). With these data and the emission factors, in all cases obtained from the Ecoinvent v3.8 database, the carbon dioxide equivalent emissions have been obtained.

Code	Process	Emission	Description
4.13	WATER TREATMENT	Consumption of water treatment reagents	Reagent consumption data were obtained from the invoices issued by suppliers during the study year and/or from an internal control of the reagents consumed (and subsequently checked against the quantity purchased). With these data and the emission factors, in all cases obtained from the Ecoinvent v3.8 database, the carbon dioxide equivalent emissions have been obtained.
4.14	SUPPLY	Meter consumption (replaced + new)	These emissions have been calculated by obtaining the activity data and applying the emission factors from consolidated databases. Data provided by a meter supplier have been used.
4.15	WATER TREATMENT	Sludge for landfill	The tonnes of sludge generated at WWTPs destined for landfill are assigned an emission factor corresponding to the same, obtained from the most up-to-date DEFRA database.
4.16	WATER TREATMENT	Solid waste WWTP	The emission factor corresponding to the final destination of the waste is applied to the kilograms of this type of waste. The emission factor is obtained from the most up-to-date DEFRA database.
4.17	VEHICLES	Vehicles	Vehicle data includes the number of civil works trucks and vehicles (tankers, dumpers, backhoe loaders, etc.), electric industrial vehicles, electric vans, vans, small, medium and large passenger cars, motorcycles/ mopeds and off-road vehicles. The emissions attributable to each year will be the result of dividing the emissions from the manufacture of each vehicle by the number of years of the useful life determined for the same vehicle.

Removal

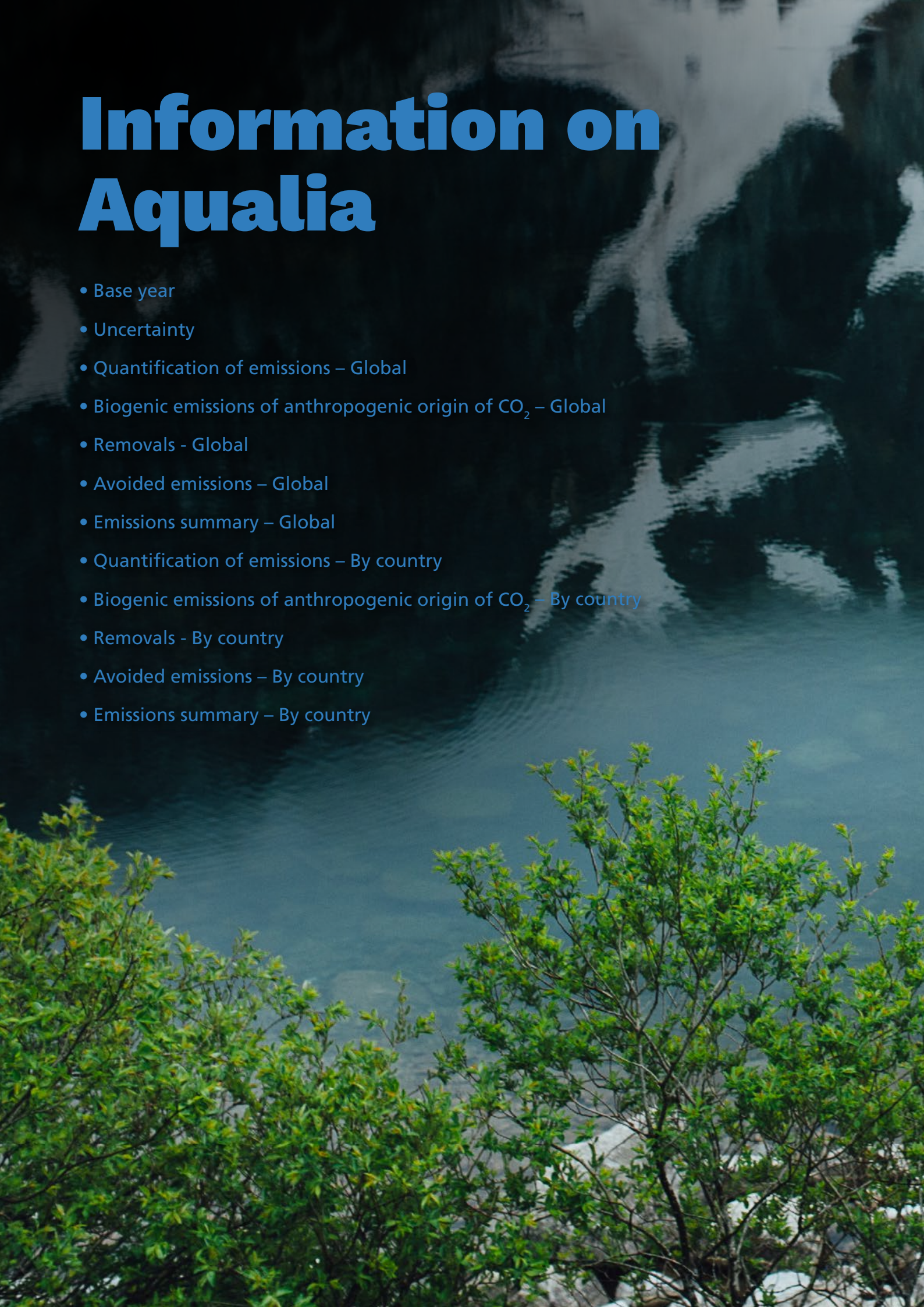
Code	Process	Emission	Description
R.1.	WATER TREATMENT	Removal of sludge for use in agriculture	Carbon sequestration for storage in soil and plant structures has been accounted for in those places where carbon is expected to remain sequestered for more than 100 years. The sequestration has been taken into account for the application of sewage sludge in agriculture: according to the dry mass of sludge produced during the base year, the emission factor proposed by the methodological guide for evaluating the GHG emissions from water and sanitation services (*Guide méthodologique d'évaluation des émissions de Gaz à Effet de Serre des services de l'eau et de l'assainissement) published by the French scientific and technological association for water and the environment (Association Scientifique et technique pour l'eau er l'environnement*) in 2009 has been applied.

Avoided emissions

Code	Process	Emission	Description
E.1.	WATER TREATMENT	Emissions avoided by heat production (by burning biogas in the boiler)	The emissions avoided by the recovery of biogas in the boilers of the installations managed by A-GIA have been calculated as the emissions that would be produced by burning the volume of diesel necessary to produce the same thermal energy that is produced by burning biogas.
E.2.	SUPPLY	Emissions avoided by use of own-generated power (location-based)	The avoided emissions are due to the reduction in the purchase of electricity from the electricity supply companies, thanks to the electric power generated in the turbines and photovoltaic panels and consumed in the supply installations managed by A-GIA. The emissions are calculated with the abovementioned reduction and the emission factor corresponding to the local mix (*Location-based*).
E.3	SEWERAGE	Emissions avoided by use of own-generated power (location-based)	The avoided emissions are due to the reduction in the purchase of electricity from the electricity supply companies, thanks to the electric power generated in the turbines and photovoltaic panels and consumed in the sewage installations managed by A-GIA. The emissions are calculated with the abovementioned reduction and the emission factor corresponding to the local mix (*Location-based*).
E.4	WATER TREATMENT	Emissions avoided by use of own-generated power (location-based)	The avoided emissions are due to the reduction in the purchase of electricity from the electricity supply companies, thanks to the electric power generated in the motor-generators, turbines and photovoltaic panels and consumed in the WWTPs managed by A-GIA. The emissions are calculated with the abovementioned reduction and the emission factor corresponding to the local mix (*Location-based*).
E.5	OTHERS	Emissions avoided by use of own-generated power (location-based)	The avoided emissions are due to the reduction in the purchase of electricity from the electricity supply companies, thanks to the electric power generated in the turbines and photovoltaic panels and consumed in the offices managed by A-GIA. The emissions are calculated with the abovementioned reduction and the emission factor corresponding to the local mix (*Location-based*).
E.6	SUPPLY	Emissions avoided by energy recovery in pressure exchangers (location-based)	These devices reduce the energy purchased by A-GIA, which is needed to pump the salt water at high pressure to the reverse osmosis membranes. The avoided emissions are those corresponding to the electricity consumption of a pump that would produce the same pressure increase per volume of water transferred in the exchanger, applying the emission factor for the local mix (*location-based*).

Information on Aqualia

- Base year
- Uncertainty
- Quantification of emissions – Global
- Biogenic emissions of anthropogenic origin of CO_2 – Global
- Removals - Global
- Avoided emissions – Global
- Emissions summary – Global
- Quantification of emissions – By country
- Biogenic emissions of anthropogenic origin of CO_2 – By country
- Removals - By country
- Avoided emissions – By country
- Emissions summary – By country



Base year

The data used for the calculation in this report correspond to the year 2024, which is considered as the base year for the calculation. In the previous edition, only the data from Spain was used, and since the scope has been extended to all of Aqualia, 2024 will be set as the new base year.

2024, hereafter referred to as the "period" or "current period".

Rebaselining will be performed when any of the following situations occur, to such an extent that they change the results significantly (more than 5%):

- Changes in operational boundaries.
- Structural changes with significant impact.
- Changes in the method for quantifying GHG emissions, or substantial changes in the emission factors that lead to significant changes in the level of emissions.

Uncertainty

Data collection is a very influential factor in the quality of the inventory. The utmost reliability should be sought and ensured, minimising the degree of uncertainty.

The estimated uncertainty of the emissions is a combination of the uncertainty of the emission factors and the uncertainty of the activity data.

Activity data

Uncertainty has been minimised by using traceable data (obtained from invoices, records, direct information from suppliers and managers, analytics, etc.) and by performing quality controls throughout the collection and calculation process.

Based on the first experience in data collection, a method has been established for obtaining data with the aim of reducing the degree of uncertainty for the coming years.

Emission factors and literature used

They are obtained from reliable and up-to-date published sources:

- Emission factors for fuels and electricity (market based) defined by the Spanish Ministry for the Ecological Transition and the Demographic Challenge for registration in the Carbon Footprint Register, as well as national inventories and the International Energy Agency.
- Electricity emission factor (location-based) and energy losses in the grids, published by Red Eléctrica Española (transmission agent and operator of the Spanish electricity system), as well as the International Energy Agency.
- Spain's National GHG Emissions Inventory (*Inventario Nacional de Emisiones de GEI*).
- Global Warming Potential of Gases (IPCC Fifth Assessment Report, 2014, AR5)
- Safety data sheets of the products used.
- Ecoinvent database v3.8
- Latest version of emission factors published by DEFRA (UK Government Department for Environment, Food and Rural Affairs)
- 2006 IPCC Guidelines for National Greenhouse Gas Inventories. Chapter 6: wastewater treatment and disposal.
- Carbon Footprint reports of products used: verified.
- Carbon footprint calculator produced by the Ministry for the Ecological Transition and the Demographic Challenge (latest version).
- Method used in the support guide for the reporting of emissions (PRTR) for the waste management activities of the environmental inspection service of the Junta de Andalucía.
- Document AP-42 of the EPA (Environmental Protection Agency) and its update: *Background Information Document for Updating AP42 Section 2.4 for Estimating Emissions from Municipal Solid Waste Landfills (September, 2008)*.
- *Guide méthodologique d'évaluation des émissions de Gaz à Effet de Serre des services de l'eau et de l'assainissement* published by the Association Scientifique et technique pour l'eau et l'environnement en 2009.
- Supplier data.
- Internal calculations, based on own data from the water collection and treatment activity.

In order to understand the degree of uncertainty of the data used in the calculation, the activity data and emission factors are evaluated at the level of GHG inventory category. This evaluation assigns the uncertainty index values of 0, 50 and 100 according to the origin of the data (see annex 3 of PE-9118).

This type of assessment allows the uncertainty to be calculated quantitatively, by weighting the total index of data and emission factors. The average of the two will result in the overall Uncertainty Index for the relevant GHG inventory category.

The calculated uncertainty value is 25.1, the average uncertainty of the data (13.9) and the uncertainty of the emission factors (36.4), which indicate a higher quality of the data, due to its closeness to zero, and thus more accurate, consistent and reproducible results.

Category	Data uncertainty	Emission factor uncertainty	Uncertainty
Category 1	44.7	91.1	67.9
Category 2	0.0	0.0	0.0
Category 3	0.0	0.0	0.0
Category 4	0.0	7.1	3.6
Removal	0.0	0.0	0.0
Avoided	0.0	0.0	0.0
Total	**13.9**	**36.4**	**25.1**

Quantification of emissions – Global

The results for all Aqualia countries are presented below.
They will be presented country by country at a later stage.

Direct GHG emissions quantified in tCO_2e

Code	Category	Process	Emission	tCO_2	tCH_4	tN_2O	GEI period (tCO_2e)
1.1	Category 1	SUPPLY	Fuel for vehicles and mobile machinery (supply)	17,887.30	0.41	0.44	18,018.31
1.2	Category 1	SEWERAGE	Fuel for vehicles and mobile machinery (sewerage)	10,774.74	0.07	0.29	10,856.72
1.3	Category 1	WATER TREATMENT	Fuel for vehicles and mobile machinery (treatment)	2,410.34	0.04	0.06	2,428.12
1.4	Category 1	SUPPLY	Fuel consumed in fixed installations (diesel + natural gas + coal)	0.00	0.00	0.00	0.00
1.5	Category 1	SEWERAGE	Fuel consumed in fixed installations (diesel + natural gas + coal)	0.00	0.00	0.00	0.00
1.6	Category 1	OTHERS	Fuel consumed in fixed installations (diesel + natural gas + coal)	895.86	0.01	0.00	896.55
1.7	Category 1	WATER TREATMENT	Fuel consumed in fixed installations (diesel + natural gas + coal)	487.01	5.18	0.31	716.15
1.8	Category 1	WATER TREATMENT	Diffuse total methane in treatment plant	0.00	11,396.32	0.00	317,957.24
1.9	Category 1	WATER TREATMENT	N_2O emissions in the biological reactor	0.00	0.00	51.30	14,006.26
1.10	Category 1	WATER TREATMENT	Unburned methane and biogas leakage	0.00	220.01	0.00	6,138.40

Indirect GHG emissions from purchased energy associated with electricity, heat or steam generation, and quantified separately in tCO_2e- location-based

Code	Category	Process	Emission	tCO_2	tCH_4	tN_2O	GEI period (tCO_2e)
2.1A	Category 2	SUPPLY	Electric power (Catchments + DWTP) (location-based)	213,990.55	0.00	0.00	**213,990.55**
2.2A	Category 2	SUPPLY	Electric power (DWPS) (location-based)	10,497.81	0.00	0.00	**10,497.81**
2.3A	Category 2	WATER TREATMENT	Electricity (WWTP) (location based)	105,790.65	0.00	0.00	**105,790.65**
2.4A	Category 2	SEWERAGE	Electricity (WWPS – Wastewater Pumping Station) (location based)	12,097.74	0.00	0.00	**12,097.74**
2.5A	Category 2	OTHERS	Electric power and heat purchased (others) (location-based)	1,441.46	0.00	0.00	**1,441.46**

Indirect GHG emissions from purchased energy associated with electricity, heat or steam generation, and quantified separately in tCO_2e- market-based

Code	Category	Process	Emission	tCO_2	tCH_4	tN_2O	GEI period (tCO_2e)
2.1B	Category 2	SUPPLY	Electric power (catchments + DWTP) (market-based)	242,337.74	0.00	0.00	**242,337.74**
2.2B	Category 2	SUPPLY	Electric power (DWPS) (market-based)	16,565.60	0.00	0.00	**16,565.60**
2.3B	Category 2	WATER TREATMENT	Electricity (WWTP) (market based)	130,444.97	0.00	0.00	**130,444.97**
2.4B	Category 2	SEWERAGE	Electricity (WWPS) (market based)	15,429.25	0.00	0.00	**15,429.25**
2.5B	Category 2	OTHERS	Electric power and heat purchased (others) (location-based)	3,102.33	0.00	0.00	**3,102.33**

Indirect GHG Emissions from transport in tCO_2e

Code	Category	Process	Emission	tCO_2	tCH_4	tN_2O	GEI period (tCO_2e)
3.10	Category 3	MISCELLANEOUS	Business travel	4,512.13	0.00	0.00	**4,512.13**

Indirect GHG emissions in Andalusia from goods and services used by the organisation in tCO_2e

Code	Category	Process	Emission	tCO_2	tCH_4	tN_2O	GEI period (tCO_2e)
4.1	Category 4	SUPPLY	Generation and transmission of electric power (Catchments + DWTP) (market-based)	52,705.88	0.00	0.00	**52,705.88**
4.2	Category 4	SUPPLY	Generation and transmission of electric power (DWPS) (market-based)	3,904.43	0.00	0.00	**3,904.43**
4.3	Category 4	WATER TREATMENT	Generation and transmission of electric power (WWTP) (market-based)	33,530.35	0.00	0.00	**33,530.35**
4.4	Category 4	SEWERAGE	Generation and transmission of electric power (WWPS) (market-based	3,575.03	0.00	0.00	**3,575.03**
4.5	Category 4	OTHERS	Generation and transmission of electric power and heat (market-based)	540.61	0.00	0.00	**540.61**
4.6	Category 4	SUPPLY	Fuel life cycle	4,427.68	0.00	0.00	**4,427.68**
4.7	Category 4	SEWERAGE	Fuel life cycle	2,663.71	0.00	0.00	**2,663.71**
4.8	Category 4	WATER TREATMENT	Fuel life cycle	653.11	0.00	0.00	**653.11**
4.9	Category 4	OTHERS	Fuel life cycle	84.56	0.00	0.00	**84.56**
4.10	Category 4	WATER TREATMENT	Calculation of N_2O emissions in treated water discharge	0.00	0.00	152.60	**41,659.11**
4.11	Category 4	SUPPLY	Purchase of treated water	91,590.45	0.00	0.00	**91,590.45**
4.12	Category 4	SUPPLY	Drinking water reagent consumption	23,822.73	0.00	0.00	**23,822.73**

Code	Category	Process	Emission	tCO_2	tCH_4	tN_2O	GEI period (tCO_2e)
4.13	Category 4	WATER TREATMENT	Consumption of water treatment reagents	18,773.82	0.00	0.00	**18,773.82**
4.14	Category 4	SUPPLY	Meter consumption (replaced + new)	493.58	0.00	0.00	**493.58**
4.15	Category 4	SUPPLY	Consumption of brass articles	0.00	0.00	0.00	**0.00**
4.16	Category 4	WATER TREATMENT	WWTP Sludge for landfill	18,801.66	0.00	0.00	**18,801.66**
4.17	Category 4	WATER TREATMENT	Solid waste WWTP	30,562.58	0.00	0.00	**30,562.58**
4.18	Category 4	MISCELLANEOUS	Vehicles	5,466.02	0.00	0.00	**5,466.02**

Biogenic emissions of anthropogenic origin of CO_2 – Global

The results of the emissions produced by the burning of biogas in the different items of equipment of the wastewater treatment plant are shown below. Biogenic-anthropogenic CO_2 emissions and removals should be quantified and reported separately from anthropogenic emissions.

Code	Category	Process	Emission	tCO_2	tCH_4	tN_2O	GEI period (tCO_2e)
1.11	Biogenic-Anthropogenic CO_2 emissions	WATER TREATMENT	Anthropogenic biogenic CO_2 emissions: combustion of methane from biogas (boiler + flare + cogeneration)	26,802.18	0.00	0.00	**26,802.18**

Removals - Global

Code	Category	Process	Emission	tCO_2	tCH_4	tN_2O	GEI period (tCO_2e)
R.1.	Removal	WATER TREATMENT	Sequestration in sludge for use in agriculture	75,744.15	0.00	0.00	**75,744.15**

Avoided emissions – Global

The results of the emissions produced by the burning of biogas in the different items of equipment of the wastewater treatment plant are shown below. Biogenic-anthropogenic CO_2 emissions and removals should be quantified and reported separately from anthropogenic emissions.

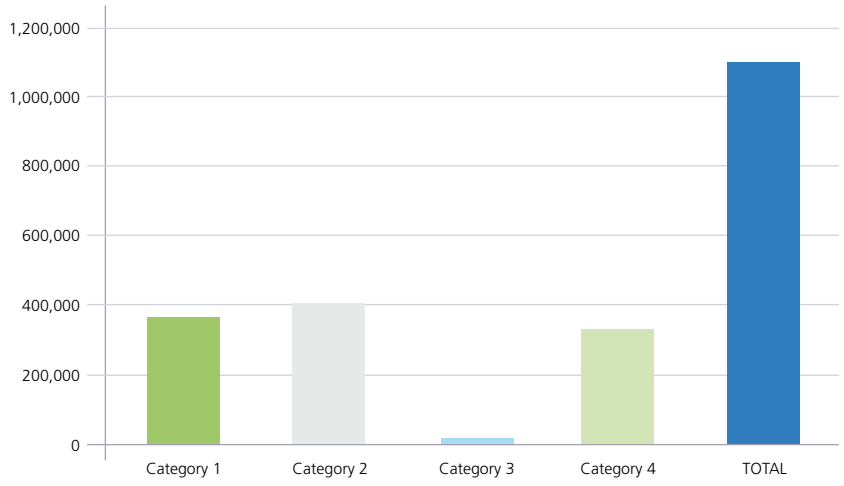
Code	Category	Process	Emission	tCO_2	tCH_4	tN_2O	GEI period (tCO_2e)
E.1.	Avoided	WATER TREATMENT	Emissions avoided by heat production (by burning biogas in the boiler)	13,203.34	0.00	0.00	**13,203.34**
E.2	Avoided	SUPPLY	Emissions avoided by use of own-generated power (location-based)	24,794.66	0.00	0.00	**24,794.66**
E.3	Avoided	SEWERAGE	Emissions avoided by use of own-generated power (location-based)	5.73	0.00	0.00	**5.73**
E.4	Avoided	WATER TREATMENT	Emissions avoided by use of own-generated power (location-based)	4,598.94	0.00	0.00	**4,598.94**
E.5	Avoided	OTHERS	Emissions avoided by use of own-generated power (location-based)	27.05	0.00	0.00	**27.05**
E.6	Avoided	SUPPLY	Emissions avoided by energy recovery in pressure exchangers (location-based)	5.51	0.00	0.00	**5.51**

Emissions summary – Global

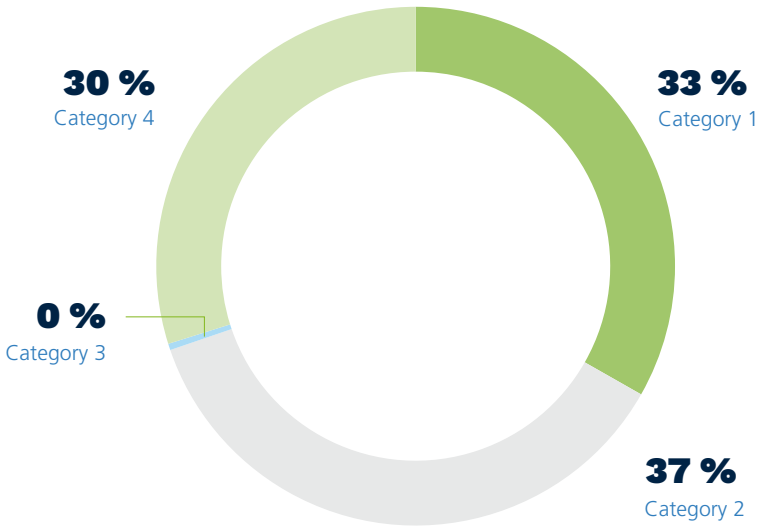
Summary of emissions quantified by category – Global

Category	tCO_2	tCH_4	tN_2O	GEI period (tCO_2e)	% of total
Category 1	32,455.26	11,622.04	52.41	371,017.76	33.23%
Category 2	407,879.88	0.00	0.00	407,879.88	36.53%
Category 3	4,512.13	0.00	0.00	4,512.13	0.40%
Category 4	291,596.21	0.00	152.60	333,255.31	29.84%
Total	**736,443.48**	**11,622.04**	**205.01**	**1,116,665.09**	

tCO_2e



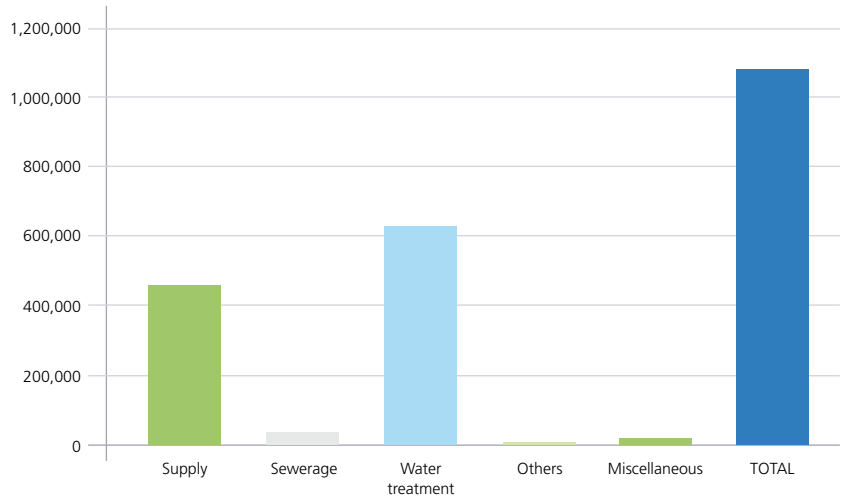
% of emissions



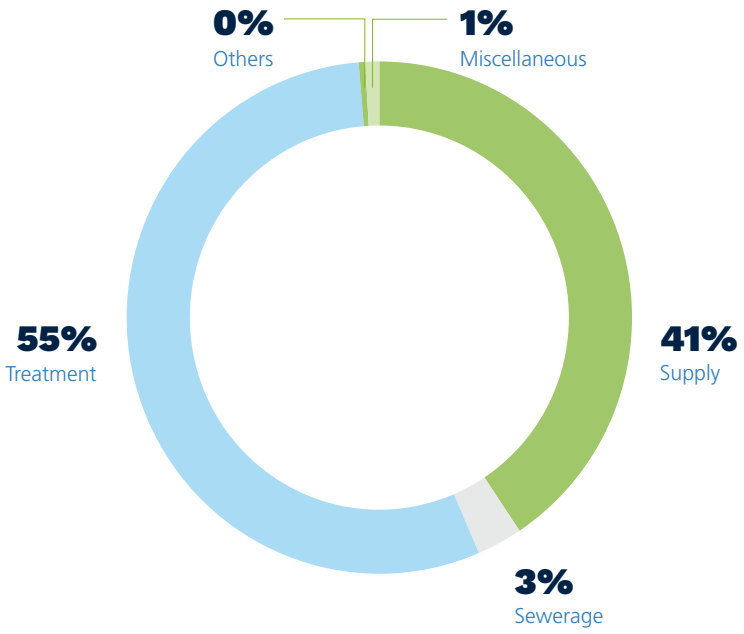
Summary of emissions quantified by process – Global

Process	tCO_2	tCH_4	tN_2O	GEI period (tCO_2e)	%
SUPPLY	453,735.40	0.41	0.44	453,866.42	40.64%
SEWERAGE	32,442.73	0.07	0.29	32,524.71	2.91%
WATER TREATMENT	235,663.84	11,621.55	204.27	615,671.77	55.13%
OTHERS	4,623.35	0.01	0.00	4,624.04	0.41%
MISCELLANEOUS	9,978.15	0.00	0.00	9,978.15	0.89%
Total	**736,443.48**	**11,622.04**	**205.01**	**1,116,665.09**	

tCO_2e by process



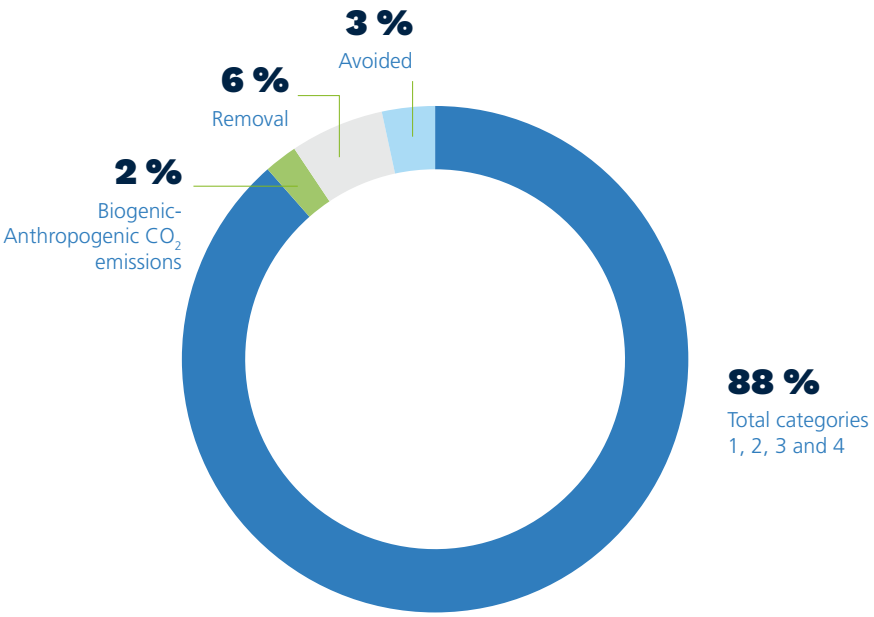
Atmospheric emissions by process



Global summary by emissions chapter – Global

Chapter	tCO_2	tCH_4	tN_2O	GEI period (tCO_2e)	% of total
Category 1	32,455.26	11,622.04	52.41	371,017.76	29.40%
Category 2	407,879.88	0.00	0.00	407,879.88	32.32%
Category 3	4,512.13	0.00	0.00	4,512.13	0.36%
Category 4	291,596.21	0.00	152.60	333,255.31	26.41%
Biogenic-Anthropogenic CO_2 emissions	26,802.18	0.00	0.00	26,802.18	2.12%
Removal	75,744.15	0.00	0.00	75,744.15	6.00%
Avoided	42,635.23	0.00	0.00	42,635.23	3.38%
Total emissions	**881,625.03**	**11,622.04**	**205.01**	**1,261,846.64**	

Atmospheric emissions by chapter



Quantification of emissions – by country

For this study, only tCO_2e will be shown, so that the information can be presented in a compact form.

Direct GHG emissions per country quantified in tCO_2e

Code	Category	Process	Emission	Saudi Arabia	Algeria	Czech Republic	Colombia
1.1	Category 1	SUPPLY	Fuel for vehicles and mobile machinery (supply)	0.0	3.8	1,004.9	1,117.6
1.2	Category 1	SEWERAGE	Fuel for vehicles and mobile machinery (sewerage)	0.0	0.0	505.0	185.0
1.3	Category 1	WATER TREATMENT	Fuel for vehicles and mobile machinery (treatment)	0.0	0.0	220.6	20.0
1.4	Category 1	SUPPLY	Fuel consumed in fixed installations (diesel + natural gas + coal)	0.0	0.0	0.0	0.0
1.5	Category 1	SEWERAGE	Fuel consumed in fixed installations (diesel + natural gas + coal)	0.0	0.0	0.0	0.0
1.6	Category 1	OTHERS	Fuel consumed in fixed installations (diesel + natural gas + coal)	0.0	0.0	651.1	0.0
1.7	Category 1	WATER TREATMENT	Fuel consumed in fixed installations (diesel + natural gas + coal)	0.0	0.0	420.5	0.0
1.8	Category 1	WATER TREATMENT	Diffuse total methane in treatment plant	0.0	0.0	11,198.5	2,392.6
1.9	Category 1	WATER TREATMENT	N_2O emissions in the biological reactor	0.0	0.0	471.3	107.8
1.10	Category 1	WATER TREATMENT	Unburned methane and biogas leakage	0.0	0.0	1,070.8	0.0

tCO_2e									
Egypt	United Arab Emirates	Spain	France	Italy	Mexico	Portugal	Georgia	Oman	Qatar
0.0	0.0	8,742.5	998.3	283.1	111.9	177.8	5,578.3	0.0	0.0
0.0	5,896.4	3,950.7	0.0	134.8	0.0	0.0	184.9	0.0	0.0
150.7	868.2	703.5	37.9	98.8	10.1	71.1	29.5	154.3	63.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	245.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	157.2	36.6	0.0	0.0	18.2	0.0	83.6	0.0	0.0
175,157.9	1,328.9	113,027.0	877.2	921.9	516.1	779.5	10,227.9	253.7	1,276.1
7,601.0	57.5	5,114.7	40.5	45.0	23.3	35.9	443.8	10.4	55.0
0.0	0.0	5,059.8	0.0	0.0	7.8	0.0	0.0	0.0	0.0

Indirect GHG emissions by country, from purchased energy associated with electricity, heat or steam generation, and quantified separately in tCO_2e- location-based

Code	Category	Process	Emission	Saudi Arabia	Algeria	Czech Republic	Colombia
2.1A	Category 2	SUPPLY	Electric power (Catchments + DWTP) (location-based)	35,485.8	106,068.5	2,071.5	5,293.3
2.2A	Category 2	SUPPLY	Electric power (DWPS) (location-based)	0.0	0.0	2,334.5	1,362.8
2.3A	Category 2	WATER TREATMENT	Electricity (WWTP) (location based)	0.0	0.0	10,114.3	141.4
2.4A	Category 2	SEWERAGE	Electricity (WWPS – Wastewater Pumping Station) (location based)	0.0	0.0	714.2	501.9
2.5A	Category 2	OTHERS	Electric power and heat purchased (others) (location-based)	0.0	0.0	373.3	0.0

Indirect GHG emissions by country, from purchased energy associated with electricity, heat or steam generation, and quantified separately i in tCO_2e- market-based

Code	Category	Process	Emission	Saudi Arabia	Algeria	Czech Republic	Colombia
2.1B	Category 2	SUPPLY	Electric power (catchments + DWTP) (market-based)	35,485.8	106,068.5	2,071.5	5,293.3
2.2B	Category 2	SUPPLY	Electric power (DWPS) (market-based)	0.0	0.0	2,334.5	1,362.8
2.3B	Category 2	WATER TREATMENT	Electricity (WWTP) (market based)	0.0	0.0	10,114.3	141.4
2.4B	Category 2	SEWERAGE	Electricity (WWPS) (market based)	0.0	0.0	714.2	501.9
2.5B	Category 2	OTHERS	Purchased electricity and heat (other) (market based)	0.0	0.0	373.3	0.0

Indirect GHG emissions by country, from transport in tCO_2e

Code	Category	Process	Emission	Saudi Arabia	Algeria	Czech Republic	Colombia
3.10	Category 3	MISCELLANEOUS	Business travel	677.9	11.4	0.0	656.7

tCO_2e									
Egypt	United Arab Emirates	Spain	France	Italy	Mexico	Portugal	Georgia	Oman	Qatar
19,638.0	0.0	22,928.4	1,074.3	1,108.0	12,803.9	143.8	0.0	7,375.0	0.0
0.0	0.0	6,610.2	25.5	14.8	0.0	150.1	0.0	0.0	0.0
55,735.2	6,808.0	17,740.5	169.7	1,260.4	689.9	172.6	165.8	3,965.8	8,827.1
0.0	3,800.7	4,971.6	28.6	199.0	0.0	67.0	0.0	0.0	1,814.9
0.0	0.0	994.6	0.0	38.0	0.0	0.0	35.5	0.0	0.0

tCO_2e									
Egypt	United Arab Emirates	Spain	France	Italy	Mexico	Portugal	Georgia	Oman	Qatar
19,638.0	0.0	51,275.6	1,074.3	1,108.0	12,803.9	143.8	0.0	7,375.0	0.0
0.0	0.0	12,677.9	25.5	14.8	0.0	150.1	0.0	0.0	0.0
55,735.2	6,808.0	42,394.8	169.7	1,260.4	689.9	172.6	165.8	3,965.8	8,827.1
0.0	3,800.7	8,303.1	28.6	199.0	0.0	67.0	0.0	0.0	1,814.9
0.0	0.0	2,655.5	0.0	38.0	0.0	0.0	35.5	0.0	0.0

tCO_2e									
Egypt	United Arab Emirates	Spain	France	Italy	Mexico	Portugal	Georgia	Oman	Qatar
4.3	59.0	2,407.7	9.3	1.7	419.9	1.0	194.8	53.4	15.1

Indirect GHG Emissions by country, from goods and services used by the organisation in tCO_2e

Code	Category	Process	Emission	Saudi Arabia	Algeria	Czech Republic	Colombia
4.1	Category 4	SUPPLY	Generation and transmission of electric power (Catchments + DWTP) (market-based)	5,988.6	20,922.0	194.0	1,719.6
4.2	Category 4	SUPPLY	Generation and transmission of electric power (DWPS) (market-based)	0.0	0.0	218.6	442.7
4.3	Category 4	WATER TREATMENT	Generation and transmission of electric power (WWTP) (market-based)	0.0	0.0	947.1	45.9
4.4	Category 4	SEWERAGE	Generation and transmission of electric power (WWPS) (market-based	0.0	0.0	66.9	163.1
4.5	Category 4	OTHERS	Generation and transmission of electric power and heat (market-based)	0.0	0.0	35.3	0.0
4.6	Category 4	SUPPLY	Fuel life cycle	0.0	0.0	251.2	286.2
4.7	Category 4	SEWERAGE	Fuel life cycle	0.0	0.0	124.3	46.8
4.8	Category 4	WATER TREATMENT	Fuel life cycle	0.0	0.0	96.3	5.4
4.9	Category 4	OTHERS	Fuel life cycle	0.0	0.0	64.7	0.0
4.10	Category 4	WATER TREATMENT	Calculation of N_2O emissions in treated water discharge	0.0	0.0	1,013.7	976.3
4.11	Category 4	SUPPLY	Purchase of treated water	0.0	0.0	0.0	9,189.4
4.12	Category 4	SUPPLY	Drinking water reagent consumption	939.0	738.6	1,504.1	1,568.9
4.13	Category 4	WATER TREATMENT	Consumption of water treatment reagents	0.0	0.0	1,230.8	8.9
4.14	Category 4	SUPPLY	Meter consumption (replaced + new)	0.0	0.0	24.4	11.4
4.15	Category 4	WATER TREATMENT	WWTP Sludge for landfill	0.0	0.0	0.0	0.0
4.16	Category 4	WATER TREATMENT	Solid waste WWTP	0.0	0.0	444.3	0.0
4.17	Category 4	MISCELLANEOUS	Vehicles	0.0	0.0	555.0	76.2

tCO_2e									
Egypt	United Arab Emirates	Spain	France	Italy	Mexico	Portugal	Georgia	Oman	Qatar
6,990.3	0.0	10,930.3	1,311.0	277.0	2,630.0	82.8	0.0	1,660.4	0.0
0.0	0.0	3,121.9	31.1	3.7	0.0	86.4	0.0	0.0	0.0
19,839.4	1,083.7	8,494.9	207.1	315.1	141.7	99.4	72.0	892.8	1,391.1
0.0	605.0	2,330.9	34.9	49.7	0.0	38.6	0.0	0.0	286.0
0.0	0.0	480.4	0.0	9.5	0.0	0.0	15.4	0.0	0.0
0.0	0.0	2,142.8	215.8	69.1	27.6	40.6	1,394.3	0.0	0.0
0.0	1,448.9	964.5	0.0	32.9	0.0	0.0	46.2	0.0	0.0
37.8	219.2	176.2	8.1	24.1	3.0	16.2	10.4	39.5	16.8
0.0	0.0	19.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18,432.7	87.2	16,827.2	121.3	39.1	143.5	173.3	3,778.8	4.4	61.7
0.0	0.0	76,320.5	1,547.5	3,417.4	0.0	1,115.6	0.0	0.0	0.0
398.0	0.0	16,849.2	28.6	418.3	719.7	39.6	298.2	320.5	0.0
2,834.6	494.3	10,172.7	96.0	228.3	11.6	13.9	88.7	38.0	3,556.1
0.0	0.0	404.7	6.6	6.9	0.0	4.0	35.7	0.0	0.0
0.0	3,418.9	10,724.9	0.0	0.0	0.0	0.0	0.0	2,868.6	1,789.2
1,580.6	40.1	26,956.7	13.9	307.2	51.5	107.0	1,017.9	23.9	19.5
0.0	261.9	3,541.3	177.7	89.6	12.5	52.1	699.7	0.0	0.0

Biogenic CO_2 emissions of anthropogenic origin – By country

Code	Category	Process	Emission	Saudi Arabia	Algeria	United Arab Emirates	Colombia
1.11	Biogenic-Anthropogenic CO_2 emissions	WATER TREATMENT	Anthropogenic biogenic CO_2 emissions: combustion of methane from biogas (boiler + flare + cogeneration)	0.0	0.0	4,280.6	0.0

Removals - By country

Code	Category	Process	Emission	Saudi Arabia	Algeria	Czech Republic	Colombia
R.1.	Removal	WATER TREATMENT	Sequestration in sludge for use in agriculture	0.0	0.0	2,404.0	30.3

tCO_2e									
Egypt	United Arab Emirates	Spain	France	Italy	Mexico	Portugal	Georgia	Oman	Qatar
0.0	0.0	22,488.9	0.0	0.0	32.7	0.0	0.0	0.0	0.0

tCO_2e									
Egypt	United Arab Emirates	Spain	France	Italy	Mexico	Portugal	Georgia	Oman	Qatar
51,742.5	0.0	20,372.0	23.1	541.9	265.4	69.0	0.0	0.0	295.9

Avoided emissions – By country

Code	Category	Process	Emission	Saudi Arabia	Algeria	Czech Republic	Colombia
E.1.	Avoided	WATER TREATMENT	Emissions avoided by heat production (by burning biogas in the boiler	0.0	0.0	1,726.6	0.0
E.2	Avoided	SUPPLY	Emissions avoided by use of own-generated power (location-based)	0.0	0.0	1,957.9	3.8
E.3	Avoided	SEWERAGE	Emissions avoided by use of own-generated power (location-based)	0.0	0.0	0.0	0.0
E.4	Avoided	WATER TREATMENT	Emissions avoided by use of own-generated power (location-based)	0.0	0.0	1,698.2	0.0
E.5	Avoided	OTHERS	Emissions avoided by use of own-generated power (location-based)	0.0	0.0	2.9	0.0
E.6	Avoided	SUPPLY	Emissions avoided by energy recovery in pressure exchangers (location-based)	0.0	0.0	0.0	0.0

Emissions summary – By country

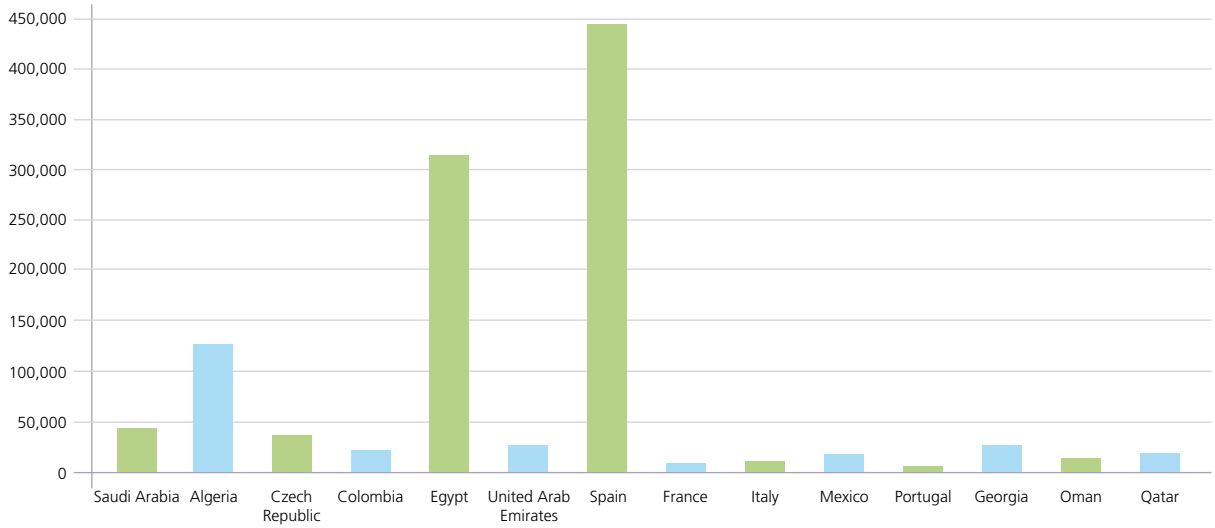
Summary of emissions quantified by category – By country

Category	Saudi Arabia	Algeria	Czech Republic	Colombia	Egypt	United Arab Emirates
Category 1	0.00	3.77	15,542.71	3,823.00	182,909.63	8,308.16
Category 2	35,485.84	106,068.47	15,607.76	7,299.46	75,373.22	10,608.62
Category 3	677.85	11.42	0.00	656.75	4.33	58.97
Category 4	6,927.58	21,660.56	6,770.61	14,540.81	50,113.37	7,659.32
Country total	**43,091.27**	**127,744.22**	**37,921.08**	**26,320.02**	**308,400.55**	**26,635.07**
%	**3.86%**	**11.44%**	**3.40%**	**2.36%**	**27.62%**	**2.39%**

tCO_2e									
Egypt	United Arab Emirates	Spain	France	Italy	Mexico	Portugal	Georgia	Oman	Qatar
0.0	0.0	11,476.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	325.1	0.0	0.0	0.0	0.0	21,844.0	663.9	0.0
0.0	0.0	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	2,900.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.2	0.0	0.0
0.0	0.0	0.0	0.0	0.0	5.5	0.0	0.0	0.0	0.0

tCO_2e							
Spain	France	Italy	Mexico	Portugal	Georgia	Oman	Qatar
136,880.22	1,953.95	1,483.64	687.49	1,064.31	16,548.05	418.39	1,394.45
117,306.86	1,298.10	2,620.26	13,493.75	533.39	201.36	11,340.76	10,642.02
2,407.74	9.25	1.65	419.90	1.00	194.78	53.40	15.10
190,459.16	3,799.63	5,287.73	3,741.10	1,869.38	7,457.57	5,847.96	7,120.52
447,053.98	**7,060.92**	**9,393.29**	**18,342.24**	**3,468.07**	**24,401.77**	**17,660.51**	**19,172.09**
40.03%	**0.63%**	**0.84%**	**1.64%**	**0.31%**	**2.19%**	**1.58%**	**1.72%**

Total by country



Summary of emissions quantified by process – By country

Category	Saudi Arabia	Algeria	Czech Republic	Colombia	Egypt	United Arab Emirates
SUPPLY	42,413.42	127,732.80	7,603.14	20,992.04	27,026.33	0.00
SEWERAGE	0.00	0.00	1,410.35	896.73	0.00	11,751.07
WATER TREATMENT	0.00	0.00	27,228.14	3,698.30	281,369.89	14,563.13
OTHERS	0.00	0.00	1,124.42	0.00	0.00	0.00
MISCELLANEOUS	677.85	11.42	555.03	732.95	4.33	320.87
Total by country	**43,091.27**	**127,744.22**	**37,921.08**	**26,320.02**	**308,400.55**	**26,635.07**

Summary of emissions by emissions chapter – By country

Category	Saudi Arabia	Algeria	Czech Republic	Colombia	Egypt	United Arab Emirates
Totals (categories 1+2+3+4)	43,091.27	127,744.22	37,921.08	26,320.02	308,400.55	26,635.07
Biogenic-Anthropogenic CO_2 emissions	0.00	0.00	4,280.63	0.00	0.00	0.00
Removal	0.00	0.00	2,403.96	30.33	51,742.53	0.00
Avoided	0.00	0.00	5,385.57	3.83	0.00	0.00
Total by country	**43,091.27**	**127,744.22**	**49,991.25**	**26,354.18**	**360,143.08**	**26,635.07**

tCO_2e							
Spain	**France**	**Italy**	**Mexico**	**Portugal**	**Georgia**	**Oman**	**Qatar**
182,465.49	5,238.83	5,598.34	16,293.12	1,840.61	7,306.51	9,355.79	0.00
15,549.16	63.47	416.33	0.00	105.51	231.16	0.00	2,100.92
239,689.09	1,571.70	3,239.85	1,616.75	1,468.81	15,918.70	8,251.32	17,056.07
3,401.15	0.00	47.53	0.00	0.00	50.93	0.00	0.00
5,949.09	186.92	91.22	432.37	53.14	894.46	53.40	15.10
447,053.98	**7,060.92**	**9,393.29**	**18,342.24**	**3,468.07**	**24,401.77**	**17,660.51**	**19,172.09**

tCO_2e							
Spain	**France**	**Italy**	**Mexico**	**Portugal**	**Georgia**	**Oman**	**Qatar**
447,053.98	7,060.92	9,393.29	18,342.24	3,468.07	24,401.77	17,660.51	19,172.09
22,488.89	0.00	0.00	32.66	0.00	0.00	0.00	0.00
20,372.01	23.13	541.93	265.36	69.03	0.00	0.00	295.86
14,708.32	0.00	0.00	5.51	0.00	21,868.13	663.86	0.00
504,623.20	**7,084.06**	**9,935.22**	**18,645.77**	**3,537.10**	**46,269.90**	**18,324.37**	**19,467.95**

Annexes

- Aqualia's Activity
- AENOR Certificate

Aqualia's activity

Country	Contract	Service	Sewerage	Collection	Distribution	Purification	Treatment	Others
SAUDI ARABIA	QATARAT	SDP KAIA		X		X		
ALGERIA	Mostaganem	SDP (seawater desalination plant) Mostaganem		X		X		
QATAR	O&M AL-DHAKHIRA	O&M AL-DAKHIRA	X				X	
CZECH REPUBLIC	SmVak	SmVak ČOV		X	X	X		
CZECH REPUBLIC	SmVak	SmVak ČOV					X	
CZECH REPUBLIC	SmVak	SmVak ČOV (údržby)					X	
CZECH REPUBLIC	SmVak	Jakubčovice nad Odrou			X			
CZECH REPUBLIC	SmVak	Jeseník nad Odrou			X			
CZECH REPUBLIC	SmVak	Smvak Frýdek - Místek	X		X			
CZECH REPUBLIC	SmVak	Smvak Karviná	X		X			
CZECH REPUBLIC	SmVak	Smvak Nový Jičín	X		X			
COLOMBIA	CÓRDOBA DEPARTMENT	Santa Cruz de Lorica	X	X	X		X	
COLOMBIA	CÓRDOBA DEPARTMENT	Chima	X	X	X		X	
COLOMBIA	CÓRDOBA DEPARTMENT	Momil	X	X	X		X	
COLOMBIA	CÓRDOBA DEPARTMENT	Purísima	X	X	X		X	
COLOMBIA	CÓRDOBA DEPARTMENT	Tuchín	X	X	X			
COLOMBIA	CÓRDOBA DEPARTMENT	San Antero	X	X	X	X	X	
COLOMBIA	CÓRDOBA DEPARTMENT	San Andrés de Sotavento	X	X	X		X	
COLOMBIA	CÓRDOBA DEPARTMENT	Cereté	X	X	X			
COLOMBIA	CÓRDOBA DEPARTMENT	Clénaga de Oro	X	X	X		X	

Country	Contract	Service	Sewerage	Collection	Distribution	Purification	Treatment	Others
COLOMBIA	CÓRDOBA DEPARTMENT	Sahagún	X	X	X		X	
COLOMBIA	CÓRDOBA DEPARTMENT	San Carlos		X	X			
COLOMBIA	CÓRDOBA DEPARTMENT	Planeta Rica	X	X	X	X	X	
COLOMBIA	CÓRDOBA DEPARTMENT	Supply - Bajo Sinú		X	X	X		
COLOMBIA	CÓRDOBA DEPARTMENT	Supply - Medio Sinú		X	X	X		
COLOMBIA	Villa del Rosario	Villa del Rosario	X	X	X	X		X
COLOMBIA	Ruitoque	GIA Ruitoque	X	X	X	X		
COLOMBIA	FLANDERS	Flanders	X	X	X	X	X	X
COLOMBIA	SABANA	Sabana	X	X	X		X	X
COLOMBIA	MAGDALENA	Albania	X	X	X	X	X	
COLOMBIA	MAGDALENA	El Retén		X	X	X		
COLOMBIA	MAGDALENA	Campo de la Cruz	X	X	X	X	X	
COLOMBIA	MAGDALENA	Santa Lucía		X	X	X		
COLOMBIA	MAGDALENA	Repelón	X	X	X	X	X	
COLOMBIA	MAGDALENA	Maicao	X	X	X	X		
COLOMBIA	MAGDALENA	Fundación	X	X	X	X	X	
COLOMBIA	MAGDALENA	Candelaria	X	X	X			
COLOMBIA	MAGDALENA	Manatí	X	X	X		X	
COLOMBIA	MAGDALENA	Luruaco	X	X	X	X	X	
COLOMBIA	MAGDALENA	Aracataca	X	X	X	X	X	
COLOMBIA	MAGDALENA	Supply - Manatí Candelaría		X	X	X		
COLOMBIA	MAGDALENA	Luruaco - Repelón Catchment		X	X			
COLOMBIA	Riohacha	Riohacha	X	X	X	X	X	X

Country	Contract	Service	Sewerage	Collection	Distribution	Purification	Treatment	Others
EGYPT	EPC SDP El Alamein	SDP El Alamein		X		X		
EGYPT	Operation Egypt	WWTP New Cairo					X	
EGYPT	Works Abu Rawash	O&M ABU RAWASH					X	
UNITED ARAB EMIRATES	O&M ABU DHABI	Abu Dhabi	X				X	
UNITED ARAB EMIRATES	O&M ABU DHABI	Al Ain	X				X	
SPAIN	Manc. El Girasol	El Acebrón	X		X			
SPAIN	Manc. El Girasol	Almendros	X		X			
SPAIN	Manc. El Girasol	Urb. (residential area) El Ballestar (Barajas de Melo)			X			
SPAIN	Manc. El Girasol	Belinchón	X		X			
SPAIN	Manc. El Girasol	Fuente de Pedro Naharro	X		X			
SPAIN	Manc. El Girasol	Leganiel	X		X			
SPAIN	Manc. El Girasol	Osa de la Vega		X	X			
SPAIN	Manc. El Girasol	Pozorrubio	X		X			
SPAIN	Manc. El Girasol	Tarancón	X	X	X			X
SPAIN	Manc. El Girasol	Torrubia del Campo	X		X			
SPAIN	Manc. El Girasol	Tribaldos	X		X			
SPAIN	Manc. El Girasol	Villamayor de Santiago	X	X	X			X
SPAIN	Manc. El Girasol	Villarrubio	X		X			
SPAIN	Manc. El Girasol	Zarza de Tajo	X		X			
SPAIN	Manc. El Girasol	Santa Cruz de la Zarza	X		X			
SPAIN	La Roda	Fuensanta		X	X			
SPAIN	La Roda	Minaya	X	X	X			X
SPAIN	La Roda	La Roda	X	X	X		X	X

Country	Contract	Service	Sewerage	Collection	Distribution	Purification	Treatment	Others
SPAIN	La Roda	Casas de Haro		X	X			
SPAIN	Hellín	Hellín	X	X	X	X	X	X
SPAIN	Hellín	Peñas de San Pedro		X	X			
SPAIN	Hellín	Pozohondo		X	X			
SPAIN	Villamalea	Balsa de Ves		X	X			
SPAIN	Villamalea	Casas-Ibáñez		X	X			X
SPAIN	Villamalea	Fuentealbilla	X	X	X			
SPAIN	Villamalea	Navas de Jorquera	X	X	X			
SPAIN	Villamalea	Villamalea	X	X	X		X	X
SPAIN	Villamalea	El Herrumblar	X	X	X			
SPAIN	Villamalea	Iniesta		X	X			
SPAIN	Quintanar del Rey	Casasimarro		X	X			
SPAIN	Quintanar del Rey	Quintanar del Rey		X	X			X
SPAIN	Quintanar del Rey	Pozorrubielos de la Mancha		X	X			
SPAIN	Almansa	Almansa	X	X	X		X	X
SPAIN	Tarazona de la Mancha	Tarazona de la Mancha	X	X	X			
SPAIN	Toledo WWTP	Toledo	X				X	X
SPAIN	Cuerva WWTP	Cuerva WWTP	X				X	
SPAIN	Supply Manc. Rio Algodor	Mancomunidad del Río Algodor		X	X	X		X
SPAIN	Quintanar de la Orden	Cabezamesada		X	X			
SPAIN	Quintanar de la Orden	Quintanar de la Orden	X	X	X		X	X
SPAIN	Quintanar de la Orden	Villanueva de Alcardete	X	X	X			X
SPAIN	Sonseca	Ajofrín	X	X	X			

Country	Contract	Service	Sewerage	Collection	Distribution	Purification	Treatment	Others
SPAIN	Sonseca	Orgaz		X	X			
SPAIN	Sonseca	Sonseca			X		X	X
SPAIN	Mora	Manzaneque		X	X			
SPAIN	Mora	Mora	X	X	X		X	X
SPAIN	Mora	Turleque	X	X	X		X	
SPAIN	Mora	Villaminaya	X	X	X			
SPAIN	Mora	Villanueva de Bogas	X	X	X		X	
SPAIN	Mora	Villamuelas		X	X		X	
SPAIN	Mora	Los Yébenes		X	X			X
SPAIN	Villacañas	Dosbarrios	X	X	X			X
SPAIN	Villacañas	La Guardia	X	X	X			X
SPAIN	Villacañas	Villacañas	X	X	X		X	X
SPAIN	Villacañas	La Puebla de Almoradiel		X	X			X
SPAIN	Supply Manc. Cabeza Rio Torcón (Head of Torcón River)	Mancomunidad (Association of municipalities) Cabeza del Rio Torcón		X	X	X		
SPAIN	Yepes	Villarrubia de Santiago	X	X	X			X
SPAIN	Yepes	Villatobas		X	X		X	X
SPAIN	Yepes	Yepes	X	X	X	X		X
SPAIN	Yepes	Ontígola	X	X	X		X	
SPAIN	Manc. Río Guajaraz (River)	Argés	X	X	X			X
SPAIN	Manc. Río Guajaraz (River)	Burguillos de Toledo	X	X	X			
SPAIN	Manc. Río Guajaraz (River)	Cobisa	X	X	X			
SPAIN	Manc. Río Guajaraz (River)	Layos	X	X	X		X	

Country	Contract	Service	Sewerage	Collection	Distribution	Purification	Treatment	Others
SPAIN	Manc. Río Guajaraz (River)	Nambroca	X	X	X			
SPAIN	Manc. Río Guajaraz (River)	Mancomunidad del Río Guajaraz		X	X	X		
SPAIN	SEWAGE TREATMENT PLANTS LOT 1	TREATMENT	X				X	
SPAIN	Manc. Campana de Oropesa	Alcañizo			X			
SPAIN	Manc. Campana de Oropesa	Caleruela			X			
SPAIN	Manc. Campana de Oropesa	Calzada de Oropesa			X			
SPAIN	Manc. Campana de Oropesa	Herreruela de Oropesa			X			
SPAIN	Manc. Campana de Oropesa	Lagartera			X			
SPAIN	Manc. Campana de Oropesa	Oropesa			X			X
SPAIN	Manc. Campana de Oropesa	Torralba de Oropesa			X			X
SPAIN	Manc. Campana de Oropesa	Alcaudete de la Jara	X	X	X			X
SPAIN	Manc. Campana de Oropesa	El Bercial			X			
SPAIN	ABTO PICADAS-ALMOGUERA (Supply)	ALTA GIRASOL		X	X	X		X
SPAIN	ABTO PICADAS-ALMOGUERA (Supply)	UTE PICADAS - ALMOGUERA		X	X	X		X
SPAIN	Supply Region of Talavera	Talavera Region Association of Municipalities		X	X	X		
SPAIN	Talavera de la Reina	Talavera de la Reina	X	X	X	X	X	X
SPAIN	Segurilla and Cervera	Mejorada		X	X	X		
SPAIN	Segurilla and Cervera	Pepino		X	X	X		
SPAIN	Segurilla and Cervera	Mancomunidad de Segurilla y Cervera		X	X	X		
SPAIN	Segurilla and Cervera	Sotillo de las Palomas		X	X	X		
SPAIN	Segurilla and Cervera	Alberche del Caudillo		X	X			
SPAIN	Segurilla and Cervera	Buenaventura		X	X			
SPAIN	Navalcán	Navalcán	X		X		X	X

Country	Contract	Service	Sewerage	Collection	Distribution	Purification	Treatment	Others
SPAIN	La Puebla de Montalbán	La Puebla de Montalbán	X	X	X	X	X	X
SPAIN	La Puebla de Montalbán	Castillo de Bayuela	X				X	
SPAIN	La Puebla de Montalbán	Maqueda WWTP					X	
SPAIN	La Puebla de Montalbán	ALMOROX WWTP					X	
SPAIN	Yeles	Esquivias	X	X	X			X
SPAIN	Yeles	Yeles	X	X	X			X
SPAIN	Yeles	Cedillo del Condado		X	X			
SPAIN	Yeles	Pantoja	X	X	X			
SPAIN	Illescas	Illescas	X	X	X	X	X	X
SPAIN	Añover de Tajo	Villaluenga de la Sagra	X	X	X			
SPAIN	Añover de Tajo	Añover de Tajo	X	X	X			X
SPAIN	Añover de Tajo	Cabañas de la Sagra	X	X	X			
SPAIN	Añover de Tajo	Mocejón	X	X	X			X
SPAIN	Añover de Tajo	Yuncler	X		X			
SPAIN	CAZALEGAS	Cazalegas	X	X	X	X	X	
SPAIN	CAZALEGAS	El Casar de Escalona			X			
SPAIN	CAZALEGAS	Urbanización Kiem (Lucillos)		X				
SPAIN	CAZALEGAS	Aldea En Cabo					X	
SPAIN	CAZALEGAS	Barcience (supply only)		X	X			
SPAIN	CAZALEGAS	Quismondo (end-to-end cycle)	X	X	X		X	X
SPAIN	Olías del Rey	Magán	X	X	X			
SPAIN	Olías del Rey	Olías del Rey	X	X	X			X
SPAIN	Pedro Muñoz	Pedro Muñoz	X	X	X	X	X	X

Country	Contract	Service	Sewerage	Collection	Distribution	Purification	Treatment	Others
SPAIN	Bolaños	Aldea del Rey	X	X	X	X		X
SPAIN	Bolaños	Pozuelo de Calatrava	X	X	X			X
SPAIN	Bolaños	Bolaños de Calatrava		X	X			X
SPAIN	Valdepeñas	Valdepeñas		X	X	X	X	X
SPAIN	Comarca Valdepeñas (Region)	Moral de Calatrava	X	X	X		X	X
SPAIN	Comarca Valdepeñas (Region)	Viso del Marqués	X	X	X	X	X	X
SPAIN	La Solana	La Solana	X	X	X	X	X	X
SPAIN	EMASER	Alcoba	X	X	X	X		
SPAIN	EMASER	Alcubillas		X	X		X	
SPAIN	EMASER	Almuradiel		X	X	X		
SPAIN	EMASER	Arroba de los Montes		X	X			X
SPAIN	EMASER	Castellar de Santiago		X	X	X	X	
SPAIN	EMASER	Fernán Caballero	X	X	X	X	X	X
SPAIN	EMASER	Fontanarejo		X	X	X		
SPAIN	EMASER	Fuencaliente		X	X	X		
SPAIN	EMASER	Fuente el Fresno		X	X	X		
SPAIN	EMASER	Guadalmez		X	X	X	X	
SPAIN	EMASER	Herencia	X	X	X	X	X	X
SPAIN	EMASER	Mestanza	X	X	X	X		
SPAIN	EMASER	Montiel	X				X	
SPAIN	EMASER	Navas de Estena		X	X			
SPAIN	EMASER	Los Pozuelos de Calatrava	X	X	X	X		
SPAIN	EMASER	Puebla del Príncipe	X	X	X			

Country	Contract	Service	Sewerage	Collection	Distribution	Purification	Treatment	Others
SPAIN	EMASER	Puerto Lápice		X	X		X	
SPAIN	EMASER	Retuerta del Bullaque		X	X	X		
SPAIN	EMASER	San Carlos del Valle		X	X		X	
SPAIN	EMASER	Solana del Pino		X	X	X		
SPAIN	EMASER	Torre de Juan Abad		X	X	X		X
SPAIN	EMASER	Torrenueva		X	X	X	X	
SPAIN	EMASER	Valdemanco del Esteras		X	X	X		
SPAIN	EMASER	Villanueva de San Carlos		X	X	X		
SPAIN	EMASER	El Robledo		X	X			
SPAIN	EMASER	Llanos del Caudillo	X	X	X	X		
SPAIN	EMASER	Puebla de Don Rodrigo		X	X	X		
SPAIN	EMASER	Villamanrique	X	X	X			
SPAIN	EMASER	Horcajo de los Montes		X	X	X		
SPAIN	EMASER	El Hoyo	X	X	X			
SPAIN	EMASER	Terrinches	X	X	X			
SPAIN	EMASER	ALBALADEJO					X	
SPAIN	EMASER	ALHAMBRA		X	X		X	
SPAIN	EMASER	CARACUEL DE CALATRAVA		X	X			
SPAIN	EMASER	Los Cortijos		X	X	X		
SPAIN	EMASER	Santa Cruz de los Cáñamos	X	X	X			
SPAIN	EMASER	La Torre de Abraham		X	X	X		
SPAIN	EMASER	Mancomunidad el Quijote		X	X	X		
SPAIN	Piedrabuena	Piedrabuena		X	X			X

Country	Contract	Service	Sewerage	Collection	Distribution	Purification	Treatment	Others
SPAIN	Piedrabuena	El Alcornocal		X	X			
SPAIN	Tomelloso	Tomelloso	X	X	X	X		X
SPAIN	Villarta de San Juan	Cózar	X	X	X		X	
SPAIN	Villarta de San Juan	Villarta de San Juan	X	X	X	X	X	
SPAIN	Villarta de San Juan	Arenas de San Juan	X	X	X	X	X	
SPAIN	Villarta de San Juan	Almadén WWTP	X				X	
SPAIN	Eresma	Carbonero el Mayor	X	X	X		X	X
SPAIN	Eresma	Mozoncillo	X	X	X	X	X	X
SPAIN	Eresma	Íscar	X	X	X	X	X	X
SPAIN	Eresma	La Lastrilla	X	X	X	X		X
SPAIN	Eresma	San Cristobal de Segovia	X	X	X			
SPAIN	Peñafiel	Boecillo	X	X	X	X	X	
SPAIN	Peñafiel	Peñafiel	X	X	X	X	X	X
SPAIN	Manc. del Rio Adaja	Ataquines		X	X			
SPAIN	Manc. del Rio Adaja	Medina del Campo	X	X	X	X		X
SPAIN	Manc. del Rio Adaja	Olmedo	X	X	X	X		X
SPAIN	Manc. del Rio Adaja	Mancomunidad Tierras del Adaja		X	X	X		
SPAIN	Manc. del Rio Adaja	MEDINA DEL CAMPO WWTP		X		X	X	
SPAIN	Ávila	Ávila	X	X	X	X	X	X
SPAIN	Ávila Villages (Northern area)	Langa	X	X	X	X		
SPAIN	Ávila Villages (Northern area)	Madrigal de las Altas Torres	X	X	X		X	X
SPAIN	Ávila Villages (Northern area)	Mingorria	X	X	X	X		
SPAIN	Ávila Villages (Northern area)	Nava de Arévalo	X	X	X	X		X

Country	Contract	Service	Sewerage	Collection	Distribution	Purification	Treatment	Others
SPAIN	Ávila Villages (Northern area)	Tiñosillos	X	X	X	X	X	
SPAIN	Ávila Villages (Northern area)	Mancomunidad de Aguas de los Arenales		X	X	X		
SPAIN	Ávila Villages (Northern area)	Mancomunidad Aguas Presa del Gamonal (Gamonal Dam)		X	X	X		X
SPAIN	Ávila Villages (Northern area)	Sierra de Ávila association of municipalities		X	X	X		
SPAIN	Ávila Villages (Northern area)	Navatejares		X		X		
SPAIN	Ávila Villages (Northern area)	Fontiveros		X	X		X	
SPAIN	El Burgo de Osma	El Burgo de Osma	X	X	X		X	X
SPAIN	Aranda De Duero WWTP	Aranda de Duero	X			X	X	
SPAIN	Béjar	Béjar	X	X	X	X	X	X
SPAIN	Ciudad Rodrigo	Mancomunidad Puente de la Unión		X	X	X		
SPAIN	Ciudad Rodrigo	Ciudad Rodrigo	X	X	X	X	X	X
SPAIN	Ciudad Rodrigo	La Fuente de San Esteban		X	X	X	X	
SPAIN	Ciudad Rodrigo	Fuentes de Oñoro	X	X	X		X	
SPAIN	Guijuelo	Guijuelo	X	X	X			X
SPAIN	Guijuelo	Mancomunidad de Guijuelo		X	X	X		
SPAIN	Guijuelo	Guijuelo WWTP		X			X	
SPAIN	Burgos WWTP	BURELA SUPPLY, OCA			X	X		
SPAIN	Manc. Bajo Bierzo	Mancomunidad de Aguas Residuales del Bajo Bierzo (Association for treatment of wastewater)	X	X			X	X
SPAIN	Supply Manc. Cabeza de Horno	Supply Manc. Cabeza de Horno		X	X	X		
SPAIN	Salamanca	ALDEATEJADA	X	X	X	X		X
SPAIN	Salamanca	Salamanca	X	X	X	X	X	X

Country	Contract	Service	Sewerage	Collection	Distribution	Purification	Treatment	Others
SPAIN	Salamanca	COLECTOR NORTE (North Collector)	X					
SPAIN	Salamanca	Carrascal de Barregas	X	X	X			
SPAIN	Alba de Tormes	Alba de Tormes		X	X	X		X
SPAIN	Alba de Tormes	Mancomunidad de Cuatro Caminos		X	X	X		
SPAIN	Alba de Tormes	Mancomunidad Santa Teresa		X	X	X		
SPAIN	La Bañeza	La Bañeza	X	X	X	X	X	X
SPAIN	La Bañeza	Turcia	X	X	X			X
SPAIN	La Bañeza	Valderas					X	
SPAIN	La Bañeza	Villares de Órbigo	X	X	X			X
SPAIN	La Bañeza	Mancomunidad del Órbigo		X	X	X		
SPAIN	Santa Marta de Tormes	Ledesma	X	X	X	X	X	
SPAIN	Santa Marta de Tormes	Santa Marta de Tormes	X	X	X	X		X
SPAIN	Santa Marta de Tormes	Mancomunidad de la Comarca de Ledesma (Association of Municipalities of the Ledesma Region)		X	X	X		
SPAIN	San Lorenzo de El Escorial	San Lorenzo de El Escorial	X	X	X	X		X
SPAIN	Aguas de Alcalá	Alcalá de Henares	X	X	X	X		X
SPAIN	ALCT PERF LT4 CULEBRO	PERIPHERAL SEWER LOT 4	X					X
SPAIN	ALCT PERF LT11 SANTILLANA	PERIPHERAL SEWER LOT 11	X					
SPAIN	ALCT PERF LT9 TORRELAGUNA	PERIPHERAL SEWER LOT 9	X					
SPAIN	ALCT PERF LT7 JARAMA	PERIPHERAL SEWER LOT 7	X					X
SPAIN	ALCT PERF LT3 GUADARRAMA	PERIPHERAL SEWER LOT 3	X					X
SPAIN	LOT5 ALCT METROPOLITANO	METROPOLITAN SEWER OF MADRID (LOT 5)	X					

Country	Contract	Service	Sewerage	Collection	Distribution	Purification	Treatment	Others
SPAIN	LOT6 ALCT METROPOLITANO	METROPOLITAN SEWER OF MADRID (LOT 6)	X					
SPAIN	Valle del Tiétar	La Adrada	X	X	X	X		X
SPAIN	Valle del Tiétar	Candeleda	X	X	X		X	X
SPAIN	Valle del Tiétar	Piedralaves	X	X	X	X	X	
SPAIN	1200 MAINTENANCE OF CANAL NETWORKS	Repairs lot 9						X
SPAIN	Vigo	Vigo		X	X	X	X	X
SPAIN	Vigo	Vigo - Sewerage	X					X
SPAIN	Vigo	Vigo - Water treatment					X	X
SPAIN	Nigrán	Nigrán	X	X	X	X		X
SPAIN	Nigrán	Tomiño	X	X	X			X
SPAIN	Cosma	Narón	X	X	X		X	X
SPAIN	Cangas	Cangas	X	X	X		X	X
SPAIN	Bueu	Bueu	X	X	X	X	X	X
SPAIN	Moaña	Moaña	X	X	X		X	X
SPAIN	Ribadavia	Ribadavia	X	X	X	X	X	X
SPAIN	Mondoñedo	Mondoñedo	X	X	X	X	X	X
SPAIN	Monforte de Lemos	Monforte de Lemos	X	X	X	X	X	X
SPAIN	Rábade	Outeiro de Rei	X		X	X	X	
SPAIN	Rábade	Rábade	X	X	X	X	X	X
SPAIN	Monterroso	Monterroso	X	X	X	X	X	
SPAIN	SUPPLY CONS. CERVO BURELA	Cervo-Burela Consortium		X	X	X	X	
SPAIN	Azuaga	Azuaga	X	X	X		X	X
SPAIN	Badajoz	Badajoz	X	X	X	X	X	X

Country	Contract	Service	Sewerage	Collection	Distribution	Purification	Treatment	Others
SPAIN	Casas de Don Pedro	Casas de Don Pedro	X	X	X	X		
SPAIN	Villanueva del Fresno	Barcarrota		X	X		X	X
SPAIN	Villanueva del Fresno	Villanueva del Fresno	X	X	X			X
SPAIN	Guadiana	Guadiana	X	X	X	X		X
SPAIN	Lobón	Lobón	X	X	X		X	X
SPAIN	Lobón	Guadajira	X	X	X	X		
SPAIN	Manc. de la Serena	Benquerencia de la Serena		X	X			
SPAIN	Manc. de la Serena	Cabeza del Buey		X	X		X	X
SPAIN	Manc. de la Serena	Campanario		X	X		X	
SPAIN	Manc. de la Serena	Castuera		X	X		X	X
SPAIN	Manc. de la Serena	Esparragosa de la Serena		X	X			
SPAIN	Manc. de la Serena	Higuera de la Serena		X	X			
SPAIN	Manc. de la Serena	Malpartida de la Serena		X	X			
SPAIN	Manc. de la Serena	Monterrubio de la Serena	X	X	X		X	
SPAIN	Manc. de la Serena	Quintana de la Serena		X	X		X	X
SPAIN	Manc. de la Serena	Retamal de Llerena		X	X			
SPAIN	Manc. de la Serena	Valle de la Serena		X	X		X	
SPAIN	Manc. de la Serena	Zalamea de la Serena		X	X		X	
SPAIN	Manc. de la Serena	La Serena Association of Municipalities		X	X	X		X
SPAIN	Manc. de la Serena	Campillo de Llerena		X	X			
SPAIN	Manc. Llerena	Fuente del Arco		X	X			
SPAIN	Manc. Llerena	Puebla del Maestre		X	X	X		X

Country	Contract	Service	Sewerage	Collection	Distribution	Purification	Treatment	Others
SPAIN	Manc. Llerena	Mancomunidad de la Comarca de Llerena (Association of Municipalities of the Llerana Region)		X	X	X		X
SPAIN	LOS SANTOS DE MAIMONA	Calzadilla de los Barros	X	X	X			
SPAIN	LOS SANTOS DE MAIMONA	Medina de las Torres		X	X			
SPAIN	LOS SANTOS DE MAIMONA	Palomas		X	X			X
SPAIN	LOS SANTOS DE MAIMONA	Ribera del Fresno		X	X			
SPAIN	LOS SANTOS DE MAIMONA	Los Santos de Maimona		X	X		X	X
SPAIN	LOS SANTOS DE MAIMONA	Valencia del Ventoso	X	X	X	X		X
SPAIN	LOS SANTOS DE MAIMONA	Feria		X	X			
SPAIN	LOS SANTOS DE MAIMONA	Aceuchal					X	X
SPAIN	LOS SANTOS DE MAIMONA	Manc. Tierra de Barros		X	X	X		
SPAIN	LOS SANTOS DE MAIMONA	Puebla de la Reina	X	X	X			X
SPAIN	LOS SANTOS DE MAIMONA	Hinojosa del Valle	X	X	X			X
SPAIN	Manc. Nogales	La Albuera		X	X			
SPAIN	Manc. Nogales	Almendral		X	X			
SPAIN	Manc. Nogales	Corte de Peleas		X	X			
SPAIN	Manc. Nogales	La Morera		X	X			
SPAIN	Manc. Nogales	La Parra		X	X			
SPAIN	Manc. Nogales	Salvaleón		X	X			
SPAIN	Manc. Nogales	Salvatierra de los Barros		X	X		X	
SPAIN	Manc. Nogales	Santa Marta	X	X	X		X	X
SPAIN	Manc. Nogales	Solana de los Barros		X	X			
SPAIN	Manc. Nogales	Torre de Miguel Sesmero		X	X			

Country	Contract	Service	Sewerage	Collection	Distribution	Purification	Treatment	Others
SPAIN	Manc. Nogales	Mancomunidad de Nogales		X	X	X		
SPAIN	Manc. Riberos del Tajo	Cañaveral	X	X	X	X	X	X
SPAIN	Manc. Riberos del Tajo	Casas de Millán	X	X	X	X	X	
SPAIN	Manc. Riberos del Tajo	Torrejón el Rubio	X	X	X	X		X
SPAIN	Manc. Riberos del Tajo	Mancomunidad de Riberos del Tajo		X	X	X		X
SPAIN	Mérida	Mérida	X	X	X	X	X	X
SPAIN	Miajadas	Miajadas		X	X	X		X
SPAIN	Olivenza	Olivenza	X	X	X	X	X	X
SPAIN	Orellana La Vieja	Orellana La Vieja	X	X	X	X	X	X
SPAIN	Pueblonuevo del Guadiana	Pueblonuevo del Guadiana	X	X	X	X		
SPAIN	Talavera La Real	Talavera La Real	X	X	X	X	X	X
SPAIN	Valencia del Mombuey	Valencia del Mombuey	X	X	X			
SPAIN	Calamonte	Calamonte		X	X		X	X
SPAIN	Villar del Rey	Villar del Rey	X	X	X	X		X
SPAIN	CECLAVÍN	Ceclavín	X	X	X	X	X	X
SPAIN	CECLAVÍN	Garrovillas de Alconétar		X	X	X		X
SPAIN	CECLAVÍN	Zarza la Mayor		X	X	X		X
SPAIN	CECLAVÍN	Mata de Alcántara	X	X	X	X		
SPAIN	CECLAVÍN	PORTEZUELO	X	X	X	X		
SPAIN	CECLAVÍN	Acehúche	X	X	X	X		X
SPAIN	Fuente del Maestre	Fuente del Maestre	X	X	X		X	X
SPAIN	Trubia, Olloniego and Grao WWTP	Grado WWTP	X				X	
SPAIN	Trubia, Olloniego and Grao WWTP	Trubia WWTP					X	

Country	Contract	Service	Sewerage	Collection	Distribution	Purification	Treatment	Others
SPAIN	Trubia, Olloniego and Grao WWTP	Olloniego WWTP	X				X	
SPAIN	Trubia, Olloniego and Grao WWTP	San Claudio Spillways	X					
SPAIN	Trubia, Olloniego and Grao WWTP	Santoseso WWTP	X				X	
SPAIN	Luarca	Valdés	X	X	X	X	X	X
SPAIN	Luarca	Illano WWTP					X	X
SPAIN	Pola de Lena	Lena	X	X	X	X	X	X
SPAIN	Villaviciosa	Villaviciosa	X	X	X	X	X	X
SPAIN	Llanes and Ribadedeva WWTPs	Llanes Public Sanitation System	X				X	X
SPAIN	Llanes and Ribadedeva WWTPs	San Jorge Public Sanitation System	X				X	
SPAIN	Cabranes - Sariego	Cabranes	X	X	X	X	X	
SPAIN	Cabranes - Sariego	Sariego	X	X	X	X	X	X
SPAIN	VILLAPEREZ WWTP AND ASSOCIATED INSTALLATIONS	Nora-Noreña collectors	X					X
SPAIN	VILLAPEREZ WWTP AND ASSOCIATED INSTALLATIONS	Villabona WWTP	X				X	
SPAIN	Asturias WWTP	Caso WWTP					X	
SPAIN	Asturias WWTP	Morcín WWTP	X				X	
SPAIN	Asturias WWTP	Parres WWTP	X				X	
SPAIN	Asturias WWTP	Ponga WWTP					X	
SPAIN	Asturias WWTP	Santo Adriano WWTP	X				X	
SPAIN	Asturias WWTP	Somiedo WWTP					X	
SPAIN	Asturias WWTP	Belmonte WWTP					X	
SPAIN	Asturias WWTP	Siero WWTP	X				X	X
SPAIN	Asturias WWTP	Yernes and Tameza WWTP					X	
SPAIN	Asturias WWTP	Coaña WWTP	X				X	

Country	Contract	Service	Sewerage	Collection	Distribution	Purification	Treatment	Others
SPAIN	Asturias WWTP	Tineo WWTP	X				X	
SPAIN	Asturias WWTP	Cabrales WWTP	X				X	
SPAIN	Asturias WWTP	Ribera de Arriba WWTP					X	
SPAIN	Asturias WWTP	Bimenes WWTP	X				X	
SPAIN	Asturias WWTP	Carreño WWTP					X	
SPAIN	Asturias WWTP	IBIAS WWTP					X	
SPAIN	Asturias WWTP	TRASONA WWTP					X	
SPAIN	Asturias WWTP	BARZANA WWTP					X	
SPAIN	Luarca WWTP	Luarca WWTP	X				X	
SPAIN	Mieres	Mieres		X	X	X		
SPAIN	Aguas de Langreo	Langreo	X	X	X	X	X	X
SPAIN	Llanera	Llanera	X	X	X	X	X	X
SPAIN	Castrillón	Castrillón	X	X	X	X		X
SPAIN	Oviedo	Oviedo	X	X	X	X	X	X
SPAIN	Peñamelleras - Amieva	Peñamellera Alta	X	X	X		X	X
SPAIN	Arbon DWTP	Arbon DWTP		X	X	X		X
SPAIN	Reinosa	Reinosa	X	X	X	X		X
SPAIN	Santa Cruz de Bezana	Santa Cruz de Bezana	X	X	X	X		X
SPAIN	CANTABRIA WWTPs	LOT 1-CANTABRIA WWTPs	X				X	X
SPAIN	Santa María de Cayón	Santa Maria de Cayón	X	X	X			X
SPAIN	Santander	Santander	X	X	X	X		X
SPAIN	Corvera de Toranzo	Corvera de Toranzo	X	X	X	X	X	X
SPAIN	Comillas	Comillas	X	X	X	X		X

Country	Contract	Service	Sewerage	Collection	Distribution	Purification	Treatment	Others
SPAIN	SAN ROMÁN WWTP	SAN ROMÁN WWTP	X				X	X
SPAIN	Maintenance of Supply Networks CABB (Consorcio de Aguas Bilbao Bizkaia)	Offices						X
SPAIN	Maintenance of Sanitation Networks CABB (Consorcio de Aguas Bilbao Bizkaia)	MAINTENANCE SANITAITON NETWORKS CABB						X
SPAIN	DWTP SOLLANO	Sollano-Zalla		X		X		
SPAIN	Lot 1 CABB WWTPs	CABB L1 WWTPs	X				X	X
SPAIN	Empuriabrava	Empuriabrava	X	X	X	X		X
SPAIN	Roda de Ter	Roda de Ter		X	X	X		X
SPAIN	Tordera	Tordera	X	X	X	X	X	X
SPAIN	Peralada	Peralada		X	X			
SPAIN	Sant Pere Pescador	Sant Pere Pescador		X	X			
SPAIN	Cadaqués	Cadaqués		X	X	X		X
SPAIN	Sant Feliu de Guíxols	Sant Feliu de Guíxols		X	X	X		X
SPAIN	Santa Cristina d'Aro	Santa Cristina d'Aro	X	X	X	X		X
SPAIN	Llagostera	Llagostera	X	X	X	X		X
SPAIN	Cassà de la Selva	Cassà de la Selva		X	X	X		X
SPAIN	Cassà de la Selva	Urb. (residential area) Serrabrava		X	X			
SPAIN	Anglès	Anglès	X	X	X	X		X
SPAIN	Lloret de Mar	Lloret de Mar		X	X	X		X
SPAIN	Freginals	Freginals		X	X			
SPAIN	Rasquera	Rasquera	X	X	X			
SPAIN	L'Ametlla de Mar	L'Ametlla de Mar	X	X	X		X	X

Country	Contract	Service	Sewerage	Collection	Distribution	Purification	Treatment	Others
SPAIN	Tivissa	Tivissa	X	X	X			X
SPAIN	Vallirana	Vallirana		X	X	X		X
SPAIN	Vallirana	Vallirana - FCC Aqualia	X	X	X	X		
SPAIN	Vallirana	Begues	X					
SPAIN	Rasquera Irrigation	Rasquera Irrigation			X			X
SPAIN	Sant Andreu de la Barca	Sant Andreu de la Barca		X	X	X		X
SPAIN	Sant Fost de Campsentelles	Sant Fost de Campsentelles	X	X	X	X		X
SPAIN	Tarragona Sewerage	Reus Sewerage	X					X
SPAIN	Tarragona Sewerage	Vilafranca del Penedès Sewerage	X					
SPAIN	Tarragona Sewerage	Sewer. St Feliu Llobregat	X					
SPAIN	Tarragona Sewerage	Cerdanyola Sewerage	X					
SPAIN	La Pobla de Montornés	La Pobla de Montornés	X	X	X	X		X
SPAIN	Sant Jaume dels Domenys	Sant Jaume dels Domenys	X	X	X	X		
SPAIN	Albinyana	Albinyana	X	X	X	X		X
SPAIN	Albinyana	AIGUAMURCIA		X	X			
SPAIN	La Bisbal del Penedés	La Bisbal del Penedés	X	X	X	X	X	X
SPAIN	Molins de Rei	Molins de Rei		X	X	X		X
SPAIN	DELEG. NORTHEAST	North East Delegation						X
SPAIN	Lleida	Lleida	X	X	X			X
SPAIN	Lleida WWTP	Lleida WWTP					X	
SPAIN	Almacelles	Almacelles		X	X	X		X
SPAIN	Térmens	Térmens		X	X	X	X	X
SPAIN	Vilanova de la Barca	Vilanova de la Barca	X	X	X		X	X

Country	Contract	Service	Sewerage	Collection	Distribution	Purification	Treatment	Others
SPAIN	Soses	Soses		X	X	X	X	X
SPAIN	Rosselló	Rosselló		X	X			X
SPAIN	Albatàrrec	Albatàrrec		X	X		X	X
SPAIN	Mancomunitat de les Garrigues	Mancomunitat de les Garrigues		X	X	X		
SPAIN	Mancomunitat Pinyana	Mancomunitat Pinyana		X	X	X		X
SPAIN	Ben-lloc d'Urgell	Ben-lloc d'Urgell		X	X	X		X
SPAIN	O&M Maella WWTP	Maella	X				X	
SPAIN	Almozara WWTP and Water Recovery Facility	Almozara WWTP and Water Recovery Facility	X				X	
SPAIN	Río Huerva WWTP	Río Huerva WWTP	X				X	
SPAIN	CASPE/MAELLA WWTP	Caspe WWTP	X				X	
SPAIN	ACUAES	Supply to Alcañiz, Calanda, Castelseras and others		X	X	X		X
SPAIN	ACUAES	Cuencas Mineras Supply		X	X	X		X
SPAIN	ACUAES	Cantabrian Supply		X	X			X
SPAIN	Depurteruel	Depurteruel	X				X	
SPAIN	Fraga	Fraga	X	X	X	X		X
SPAIN	Fraga	Torrente de Cinca		X	X	X		
SPAIN	Huesca WWTP	Huesca WWTP					X	
SPAIN	La Muela-Plaza WWTP	Plaza-Épila-La Muela WWTP	X				X	
SPAIN	Caspe	Caspe	X	X	X	X		X
SPAIN	Quel	Quel	X	X	X	X		
SPAIN	NÁJERA	Nájera	X	X	X	X		X
SPAIN	NÁJERA	Huércanos	X	X	X	X		

Country	Contract	Service	Sewerage	Collection	Distribution	Purification	Treatment	Others
SPAIN	Calahorra	Calahorra	X	X	X	X		X
SPAIN	Pradejón	Pradejón	X	X	X	X		X
SPAIN	Pradejón	Mancomunidad de Aguas del Río Molina		X	X			
SPAIN	Mancomunidad de Sangüesa	Mancomunidad de Servicios de la Comarca de Sangüesa (Association of Services of the Sangüesa Region)		X	X	X		X
SPAIN	Mancomunidad de Sangüesa	MANCOMUNIDAD ARRATOZ		X	X	X		
SPAIN	Deleg. Balearic Islands	Balearic Islands Delegation						X
SPAIN	Ibiza	Eivissa	X	X	X			X
SPAIN	Formentera	Formentera	X	X	X	X		X
SPAIN	Sóller	Sóller	X	X	X			X
SPAIN	Muro	Muro	X	X	X			X
SPAIN	Santa Eulària des Riu	Santa Eulalia	X	X	X			X
SPAIN	Sant Joan de Labritja	Sant Joan	X	X	X	X	X	X
SPAIN	Sant Josep de sa Talaia	Sant Josep de sa Talaia	X	X	X	X	X	X
SPAIN	Deleg. Valencian Community	Logistics centre						X
SPAIN	Deleg. Valencian Community	Deleg. Valencian Community						X
SPAIN	Callosa de Segura	Callosa de Segura	X	X	X	X		X
SPAIN	San Isidro	San Isidro	X	X	X			X
SPAIN	Albatera	Albatera	X	X	X			X
SPAIN	Hondón de los Frailes	Hondón de los Frailes	X	X	X	X		X
SPAIN	Dénia	Dénia Supply		X	X			X

Country	Contract	Service	Sewerage	Collection	Distribution	Purification	Treatment	Others
SPAIN	Dénia	Denia Sewerage	X					X
SPAIN	Dénia	Racons WWTP		X	X	X		
SPAIN	Dénia	Jesús Pobre	X	X	X	X		
SPAIN	Novelda	Novelda	X	X	X			X
SPAIN	La Nucía	La Nucía	X	X	X	X		X
SPAIN	Els Poblets	Els Poblets		X	X	X		X
SPAIN	Alboraya	Alboraya	X	X	X			X
SPAIN	Albal	Albal	X	X	X		X	X
SPAIN	Alcoy	Alcoy/Alcoi		X	X	X		X
SPAIN	Llíria	Llíria		X	X			X
SPAIN	Llíria	Carrases WWTP					X	
SPAIN	Los Serranos	Chelva	X	X	X	X		X
SPAIN	Los Serranos	Chulilla	X	X	X	X		X
SPAIN	Los Serranos	Marines	X	X	X	X		X
SPAIN	Los Serranos	Olocau	X	X	X	X		
SPAIN	Villena	Cañada		X	X			
SPAIN	Villena	Villena	X	X	X		X	X
SPAIN	Chiclana WWTP	Chiclana de la Frontera					X	
SPAIN	El Puerto de Santa María	El Puerto de Santa María	X				X	X
SPAIN	El Puerto de Santa María	Apemsa	X	X	X			X
SPAIN	Benalup	Benalup-Casas Viejas	X	X	X	X	X	X

Country	Contract	Service	Sewerage	Collection	Distribution	Purification	Treatment	Others
SPAIN	Rota	Rota	X	X	X	X		X
SPAIN	Paterna	Paterna de Rivera	X	X	X		X	X
SPAIN	Chipiona	Chipiona	X	X	X		X	X
SPAIN	Ubrique	Ubrique	X	X	X		X	X
SPAIN	Villamartin	Villamartin	X	X	X	X	X	X
SPAIN	Arcos de la Frontera	Arcos de la Frontera	X	X	X	X	X	X
SPAIN	Sanlúcar de Barrameda	Sanlúcar de Barrameda	X	X	X		X	X
SPAIN	San José del Valle	San José del Valle	X	X	X	X		X
SPAIN	Aquajerez	Jerez de la Frontera	X	X	X	X	X	X
SPAIN	Aquajerez	Small WWTPs					X	
SPAIN	Algeciras	Algeciras	X	X	X	X	X	X
SPAIN	La Línea de la Concepción	La Línea de la Concepción	X	X	X		X	X
SPAIN	Tarifa	Tarifa	X	X	X	X	X	X
SPAIN	La Alcaidesa	La Alcaidesa	X	X	X		X	X
SPAIN	Barbate	Barbate	X	X	X	X	X	X
SPAIN	Arahal WWTP	Arahal WWTP					X	
SPAIN	Puebla De Cazalla WWTP	Puebla De Cazalla WWTP	X				X	
SPAIN	Fuentes de Andalucía	Fuentes de Andalucía		X	X			X
SPAIN	Écija	Écija	X	X	X	X	X	X
SPAIN	Peñaflor	Peñaflor	X	X	X	X		X
SPAIN	Adeje	Adeje	X	X	X	X		X

Country	Contract	Service	Sewerage	Collection	Distribution	Purification	Treatment	Others
SPAIN	Granadilla	Granadilla de Abona	X	X	X		X	X
SPAIN	Guía de Isora	Guía de Isora		X	X			X
SPAIN	ADEJE SDP	La Caleta SDP		X	X	X		
SPAIN	Santiago del Teide	Santiago del Teide		X	X			X
SPAIN	Urb. (residential area) Golf del Sur	Urb. (residential area) Golf del Sur	X	X	X		X	
SPAIN	Works Fonsalia SDP	Fonsalia SDP		X		X		
SPAIN	Abona SDP	Abona SDP		X		X		
SPAIN	Agaete	Agaete		X	X			X
SPAIN	Gáldar	Gáldar		X	X			X
SPAIN	Ingenio	Ingenio	X	X	X			X
SPAIN	Santa María de Guía	Santa María de Guía de Gran Canaria	X	X	X			X
SPAIN	Urb. (residential area) Taurito	Urb. (residential area) Taurito	X	X	X		X	
SPAIN	Arafo	Arafo		X	X			X
SPAIN	Arico	Arico	X	X	X		X	X
SPAIN	Arico	ARICO IRRIGATION		X	X			
SPAIN	Candelaria	Candelaria	X	X	X			X
SPAIN	Güímar	Güímar	X	X	X		X	X
SPAIN	Puerto de la Cruz	Puerto de la Cruz	X	X	X	X		X
SPAIN	Tegueste	Tegueste		X	X			X
SPAIN	EDAR VALLE DE LA OROTAVA WWTP	EDAR VALLE DE LA OROTAVA WWTP	X				X	
SPAIN	Poniente Almeriense WWTP	Poniente Almeriense WWTP	X				X	

Country	Contract	Service	Sewerage	Collection	Distribution	Purification	Treatment	Others
SPAIN	Nijar	Nijar	X	X	X	X	X	X
SPAIN	Balanegra	Balanegra	X	X	X			X
SPAIN	WATER SUR	WATERSUR		X	X			
SPAIN	Alboran Sea SDP	Alboran Sea SDP		X	X	X		
SPAIN	SERÓN	SERÓN	X	X	X		X	
SPAIN	Berja	Berja	X	X	X	X	X	X
SPAIN	Garrucha	Garrucha	X	X	X			X
SPAIN	Nerja	Nerja	X	X	X			X
SPAIN	Frigiliana	Frigiliana	X	X	X			X
SPAIN	Archidona	Archidona		X	X	X		X
SPAIN	Torrox	Torrox	X	X	X			X
SPAIN	Benalmádena	Benalmádena	X	X	X	X		X
SPAIN	Cártama	Cártama	X	X	X	X		X
SPAIN	Vélez-Málaga	Vélez-Málaga	X	X	X			X
SPAIN	Benamocarra	Benamocarra	X	X	X			X
SPAIN	Ronda	Ronda	X	X	X		X	X
SPAIN	Almería	Almería	X	X	X	X	X	X
SPAIN	Bajo Andarax	Benahadux	X	X	X			X
SPAIN	Bajo Andarax	Gádor	X	X	X			
SPAIN	Bajo Andarax	Huércal de Almería	X	X	X	X		X
SPAIN	Bajo Andarax	Pechina	X	X	X			X

Country	Contract	Service	Sewerage	Collection	Distribution	Purification	Treatment	Others
SPAIN	Bajo Andarax	Santa Fe de Mondújar	X	X	X			X
SPAIN	Bajo Andarax	Mancomunidad del Bajo Andarax	X	X	X			X
SPAIN	La Guardia de Jaén	La Guardia de Jaén	X	X	X	X	X	X
SPAIN	Jaén	Jaén	X	X	X	X	X	X
SPAIN	Martos	Martos	X	X	X	X		X
SPAIN	Jódar	Jódar	X	X	X	X	X	X
SPAIN	Beas de Segura	Beas de Segura	X	X	X		X	X
SPAIN	Torredonjimeno	Torredonjimeno	X	X	X		X	X
SPAIN	Linares	Linares	X	X	X	X	X	X
SPAIN	Cortegana	Cortegana	X	X	X	X	X	X
SPAIN	San Juan del Puerto	San Juan del Puerto	X	X	X			X
SPAIN	Hinojos	Hinojos	X	X	X	X	X	X
SPAIN	Moguer	Moguer	X	X	X	X	X	X
SPAIN	Urb. (residential area) Ciparsa	Urb. (residential area) Ciparsa	X	X	X			
SPAIN	Lepe	Lepe	X	X	X		X	X
SPAIN	Cartaya	Cartaya	X	X	X	X	X	X
SPAIN	Matalascañas - El Rocío	Matalascañas - El Rocío	X	X	X	X	X	X
SPAIN	Valverde	Valverde del Camino	X	X	X	X	X	X
SPAIN	Bollullos Par del Condado	Bollullos Par del Condado	X	X	X		X	X
SPAIN	La Palma del Condado	La Palma del Condado	X	X	X		X	X
SPAIN	Baena	Baena	X	X	X	X	X	X

Country	Contract	Service	Sewerage	Collection	Distribution	Purification	Treatment	Others
SPAIN	SEWERAGE EMACSA	Sewerage Emacsa_ Córdoba	X					X
SPAIN	Deleg. Levante	Levante Delegation						X
SPAIN	Abarán	Abarán	X	X	X	X		X
SPAIN	Puerto Lumbreras	Puerto Lumbreras	X	X	X			X
SPAIN	Los Alcázares	Los Alcázares	X	X	X			X
SPAIN	Librilla	Librilla	X	X	X			X
SPAIN	Moratalla	Moratalla	X	X	X			X
SPAIN	Mula	Mula	X	X	X			X
SPAIN	Fortuna	Fortuna	X	X	X		X	X
SPAIN	Yecla	Yecla		X	X			X
SPAIN	San Pedro del Pinatar	San Pedro del Pinatar	X	X	X			X
SPAIN	Calasparra	Calasparra	X	X	X			X
SPAIN	Mazarrón	Mazarrón	X	X	X			X
SPAIN	Caravaca de la Cruz	Caravaca de la Cruz	X	X	X		X	X
SPAIN	Pliego	Pliego	X	X	X			
SPAIN	Albudeite	Albudeite	X	X	X			
SPAIN	Campos del Río	Campos del Rio	X	X	X			X
SPAIN	Granada Tropical Coast	Albondón	X	X	X		X	
SPAIN	Granada Tropical Coast	Albuñol	X	X	X	X	X	X
SPAIN	Granada Tropical Coast	Almuñécar	X	X	X	X	X	X
SPAIN	Granada Tropical Coast	Itrabo	X	X	X	X		

Country	Contract	Service	Sewerage	Collection	Distribution	Purification	Treatment	Others
SPAIN	Granada Tropical Coast	Gualchos	X	X	X	X	X	
SPAIN	Granada Tropical Coast	Jete	X	X	X	X		
SPAIN	Granada Tropical Coast	Lentegí	X	X	X	X		
SPAIN	Granada Tropical Coast	Lújar	X	X	X	X		
SPAIN	Granada Tropical Coast	Motril	X	X	X	X	X	X
SPAIN	Granada Tropical Coast	Otívar	X	X	X	X		
SPAIN	Granada Tropical Coast	Polopos	X	X	X	X		
SPAIN	Granada Tropical Coast	Rubite	X	X	X	X		
SPAIN	Granada Tropical Coast	Salobreña	X	X	X	X	X	X
SPAIN	Granada Tropical Coast	Sorvilán	X	X	X	X		
SPAIN	Granada Tropical Coast	Mancomunidad de la Costa Tropical De Granada (Association of Municipalities of the Granada Tropical Coast)		X	X	X		
SPAIN	Granada Tropical Coast	Molvízar	X	X	X	X		
SPAIN	Granada Tropical Coast	Alta Contraviesa		X	X			
SPAIN	Granada Tropical Coast	Torrenueva Costa	X	X	X			
SPAIN	Puebla de Don Fadrique	Puebla de Don Fadrique	X	X	X	X	X	X
SPAIN	Darro	Darro	X	X	X			
SPAIN	MORELÁBOR	MORELÁBOR	X	X	X			
SPAIN	Valle del Zalabi	Valle del Zalabi	X	X	X		X	X
SPAIN	UGÍJAR	Ugíjar	X	X	X		X	X

Country	Contract	Service	Sewerage	Collection	Distribution	Purification	Treatment	Others
SPAIN	Guadix	Guadix	X	X	X	X	X	X
SPAIN	HUÉSCAR	HUÉSCAR	X	X	X	X	X	X
SPAIN	LABORATORIES	AVILA LABORATORY						X
SPAIN	LABORATORIES	ADEJE LABORATORY						X
FRANCE	GOUSSAINVILLE	Goussainville Drinking Water Supply (DWS)		X	X	X		
FRANCE	GOUSSAINVILLE	Le Thillay DWS		X	X	X		
FRANCE	GOUSSAINVILLE	Damona NEC DWS		X	X	X		
FRANCE	GOUSSAINVILLE	SICTEU Sausseron Sanitation	X				X	X
FRANCE	GOUSSAINVILLE	Rambouillet Territoires DWS		X	X	X		
FRANCE	GOUSSAINVILLE	Versailles Grand Parc Sanitation	X					
FRANCE	GOUSSAINVILLE	Isle-Adam DWS Intercommunal Syndicate (SIAEP)		X	X	X		
FRANCE	ANDRESY	SNCF Railway Company, Grand Cormier	X	X	X	X		
FRANCE	ANDRESY	Acheres Sanitation	X					
FRANCE	ANDRESY	GPSEO (Grand Paris Seine et Oise) AS4 Sanitation	X					
FRANCE	ANDRESY	Source de Berval DWS Intercommunal Water Syndicate (SIE) X		X	X	X		
FRANCE	ANDRESY	Nesles la Vallée DWS		X	X	X		
FRANCE	ANDRESY	SIDEC DWS		X	X	X		
FRANCE	BRITTANY	KERGOFF DWS Single Purpose Intercommunal Syndicate (SIVU)		X	X			
FRANCE	BRITTANY	Forêt du Theil DWS SIE		X	X	X		

Country	Contract	Service	Sewerage	Collection	Distribution	Purification	Treatment	Others
FRANCE	Dreux	Pays de Dreux Sanitation	X				X	
FRANCE	AUBERGENVILLE	GPSEO (Grand Paris Seine et Oise) AS5 Sanitation	X					
FRANCE	AUBERGENVILLE	GPSEO (Grand Paris Seine et Oise) AS7 Sanitation	X					
FRANCE	LE LOIRET	Pithiverais Gatinais Sanitation	X				X	
GEORGIA	GEORGIA GLOBAL UTILITIES	Tbilisi	X	X	X	X		
GEORGIA	GEORGIA GLOBAL UTILITIES	Rustavi	X	X	X	X		
GEORGIA	GEORGIA GLOBAL UTILITIES	Georgia Water treatment	X				X	
ITALY	Aque Di Caltanissetta	Acquaviva Platani	X	X	X			
ITALY	Aque Di Caltanissetta	Bompesiere	X	X	X			
ITALY	Aque Di Caltanissetta	Butera	X	X	X			
ITALY	Aque Di Caltanissetta	Caltanissetta	X	X	X			X
ITALY	Aque Di Caltanissetta	Campofranco	X	X	X			
ITALY	Aque Di Caltanissetta	Delia	X	X	X			
ITALY	Aque Di Caltanissetta	Gela	X	X	X	X		X
ITALY	Aque Di Caltanissetta	Marianopoli	X	X	X			
ITALY	Aque Di Caltanissetta	Mazzarino	X	X	X			
ITALY	Aque Di Caltanissetta	Milena	X	X	X			
ITALY	Aque Di Caltanissetta	Montedoro	X	X	X			
ITALY	Aque Di Caltanissetta	Mussomeli	X	X	X			
ITALY	Aque Di Caltanissetta	Niscemi	X	X	X			

Country	Contract	Service	Sewerage	Collection	Distribution	Purification	Treatment	Others
ITALY	Aque Di Caltanissetta	Resuttano	X	X	X			
ITALY	Aque Di Caltanissetta	Riesi	X	X	X			
ITALY	Aque Di Caltanissetta	San Cataldo	X	X	X			
ITALY	Aque Di Caltanissetta	Santa Caterina Villarmosa	X	X	X			
ITALY	Aque Di Caltanissetta	Serradifalco	X	X	X			
ITALY	Aque Di Caltanissetta	Sommatino	X	X	X			
ITALY	Aque Di Caltanissetta	Villalba	X	X	X			
ITALY	Aque Di Caltanissetta	Sutera	X	X	X			
ITALY	Aque Di Caltanissetta	Vallelunga	X	X	X			
ITALY	Aque Di Caltanissetta	Caltaqua Depuración	X				X	
Mexico	BOT Guaymas	SDP Guaymas - Empalme (Sonora)		X		X		
Mexico	BOT PTAR MORELOS	PTAR Acapantzingo (Cuernavaca, Morelos)					X	
Mexico	El Realito	El Realito Aqueduct		X	X	X		
OMAN	O&M Majis	SOHAR		X		X	X	
PORTUGAL	Abrantaqua	Abrantes	X				X	
PORTUGAL	Aquamaior	Campo Maior	X	X	X			X
PORTUGAL	Aquaelvas	Elvas	X	X	X	X	X	X
PORTUGAL	Cartagua	Cartaxo	X	X	X		X	
PORTUGAL	Aquafundalia	Fundao	X	X	X		X	

AENOR Certificate

AENOR

Carbon Footprint Certificate

AENOR
CARBON FOOTPRINT
CALCULATED CO_2

HCO-2017/0012

AENOR certifies that the organization

FCC AQUALIA, S.A.

is in conformity with Standard ISO 14064-1:2018 Standard

for the activities: It generates total emissions of 1,116,665.09 tCO2-eq (direct emissions: 371,017.76 tCO2-eq, indirect emissions: 745,647.33 tCO2-eq).

The scope of verification covers the contracts/services of FCC AQUALIA related to "Integrated Water Cycle Management" (abstraction, distribution, customer management, sewerage, and treatment) conducted in the following countries: Algeria, Saudi Arabia, Colombia, Egypt, United Arab Emirates, Spain, France, Georgia, Italy, Mexico, Oman, Portugal, Qatar, and the Czech Republic, including affiliated companies (Temporary Business Unions and Joint Ventures).

VERIFICATION PERIOD: 2024

Verified Emissions Report for the period 2024 and the AENOR Verification Statement.

which is/are carried out in: AVENIDA DEL CAMINO DE SANTIAGO, 40. 28050 - MADRID

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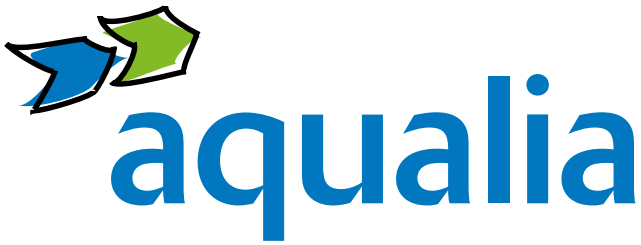

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