



ENVIRONMENTAL STATEMENT

2022

(JAN – DEC)

Regulation (EC) No 1221/2009. Regulation (EU) 2017/1505 Regulation (UE) 2018/2026





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1. INTRODUCTION

The Environmental Statement is made in accordance with Annex IV of Regulation (EC) No. 1221/2009 of the European Parliament and the Council of the 25th of November 2009, which allows organizations to voluntarily adhere to a community management and environmental auditing system (EMAS).

The Environmental Statement is updated and validated annually by an accredited inspector.

The objective of the Environmental Statement (ES) is the public announcement to interested parties of the continuous improvement of the impact and the environmental behaviour of the organization.

The ES informs the relevant parties (public, local communities, users, etc.) about the activities that the organization considers relevant (selection and evaluation of environmental aspects). All the data is taken from the year **2022** and the evolution from the years 2020 and 2021 has been noted.

The environmental system EMAS implemented in ADASA has other information from other sources apart from the ES, as it is required in the **Regulation (CE)** N° 1221/2009. In 2017 it was adapted to the new considerations of the **New Regulation (UE)** 2017/1505 even though many of them had already been adopted with the standard **UNE-EN ISO** 14001:2015.

In 2019, the requirements determined by article 1 of Regulation (EU) 2018/2026, which modifies Annex IV of Regulation (EC) No. 1221/2009, are incorporated. References to Decision (EU) 2019/63 are also incorporated.

ADASA's Management is grateful to all the staff for their collaboration and participation in the achievement of the environmental objectives planned and in the improvement of the Organization's environmental behaviour.



Adasa is a member of the **EMAS Club**, a non-profit organization that safeguards and promotes the interests of the EMAS registered organizations and EMAS's visibility in society.

The creation of the EMAS Club in 2006 was a pioneer initiative in the European Union.

For the Verification process of this Environmental Statement, the steps that Adasa follows are: Internal Audit, External Audit and finally, registration of the Statement in the Department of Territory and Sustainability of the Generalitat de Catalunya.

Our Environmental Declaration is available to any interested party through our website, in the section "Quality, Environment and Prevention"



2. ACTIVITY

Adasa, set up in 1988, is a recognized engineering company that provides technological solutions for the integral management water cycle and the environment.



Adasa supports an integrated, multidisciplinary approach to water resources management and leads its activities to achieve environment protection. Adasa pursues technological excellence to assist public and private organizations in the development of their activities and the improvement of their service efficiency, ensuring resources optimization and reducing operational costs

As experienced services integrators, Adasa covers a spectrum of related services, including consultancy, development, maintenance, operations. Adasa joins water and environment expertise and highly specific technology capabilities to meet the sector's needs. Its portfolio includes water resources management (water quality monitoring and hydrology), smart operations of water utilities and operators, and irrigation and rural water. Adasa also environment monitoring fosters solutions

meteorology and air quality.

More than 25 years betting on R+D, 12 patents and more than 50 international projects certify Adasa commitment with equipment innovation of water quality monitoring as well as the development of ICT solutions for the water sector





On the road to excellence, ADASA has implemented an integrated management system based on the following standards: ISO 9001:15, ISO 14001:15 and EMAS Regulation.

The reach of the system is as follows:

Activities:

- -Design, manufacturing, installation and maintenance of instrumentation and automatic stations to control hydrological and atmospheric quality parameters and hydrological and meteorological variables of water and atmospheric quality parameters and hydric and meteorology variables.
- -Consultancy services, development, implantation and maintenance of information systems, telemetry, remote control and automation applicable to water cycle, environment, hydrology, meteorology, mobility and urban services, natural resources management, utilities and information systems.
- -Engineering and consultancy services of water cycle, environment, air quality, meteorology, soil pollution and construction of hydraulic infrastructures.



Work center included in EMAS register:

BARCELONA

C/ Ignasi Iglesias 217-219,

08820El Prat de Llobregat, Barcelona, España

Day to day, Adasa remains committed to the values of the UN Global Compact, by making a strong effort to create economic, environmental and social value in the short and medium term, and to contribute to the progress of society's welfare.

Adasa is part of the **United Nations Global Compact**, an initiative that marks an ethical commitment by organizations who, as an integral part of their strategies and operations, have agreed to follow ten principles of conduct and action regarding human rights, employment, the environment and the fight against corruption. www.unglobalcompact.org

ADASA (Skion Group since 2020) has a presence in different areas in Spain and abroad. **Headquarters Office** is located in El Prat de Llobregat (**Barcelona**), been the only one included in EMAS registration due to it represents the main environmental impact of Adasa production.





POLICY



QUALITY, ENVIRONMENT AND HEALTH&SAFETY POLICY

Adasa is a specialized engineering company delivering technological solutions for water, environment and meteorology. Adasa carries out its activity in a changing and globalized surrounding where the excellence of the production, the service and the management are necessary requirements for the competitiveness, the development, and the progress.

Adasa's knowledge and experience assures the development of the solutions that satisfy the needs and expectations of the clients.

The General Management leads the organization on a model of TOTAL QUALITY EXCELLENCE, taking as strategic planning lines: the direction by processes, digitalization, the knowledge management, the team work and the innovative capacity of the organization. Adasa has implemented an integrated management system (quality and environment and health&safety) certified based on UNE EN ISO 9001:15, UNE EN ISO 14001:15, EMAS and ISO 45001 (expected in 2023).

Adasa defines its act strategy in the following principles:

- Establish the requirements related to products and services according to international standards and specific requirements, in order to reach the clients' satisfaction and guarantee the continuous improvement.
- Comply the requirements of the legislation and regulation in effect and, whenever it is considered necessary, determine the own requirements.
- Promote the continuous improvement of the performance and effectiveness of the Integrated Quality, Environment and Health & Safety System, through the definition, measurement and continuous review of quantifiable annual objectives and indicators, based on the impacts of our activities on the system.
- Give organization a management by processes approach, identifying and considering work risks and environmental impacts. Try to eliminate and minimize those aspects that cannot be avoided, as well as prevent them in order to achieve health improvement and environment protection, including the prevention of contamination.
- Promote the consultation and participation of our employees or their representatives in the Health & Safety management in the Company.
- Sensitize and train all the team work on the importance of the global and integrated management, in order to guarantee the participation of all in every activity developed by Adasa.
- Promote team work and people development, thanks to a continuous training policy, generate a highly professional motivated team fully involved in the company, able to develop all projects and challenges demanded by the market.
- Encourage the communication and internal information of the initiatives and the policy, promoting their understanding, development and pursuit, and transmit to stakeholders our social worries and respect against people and environment.
- Promote sustainability in all company processes and focus on the goal of zero net CO2 emissions.
- Reach high levels of prestige and recognition developing our business in a sustainable way; committing ourselves to the improvement of environmental behavior, creating economic, environmental and social value, in the short and medium term, and contributing to the progress and welfare of society.

Albert Molina Boschmonar General Manager ADASA June 2022

37745669R ALBERTO

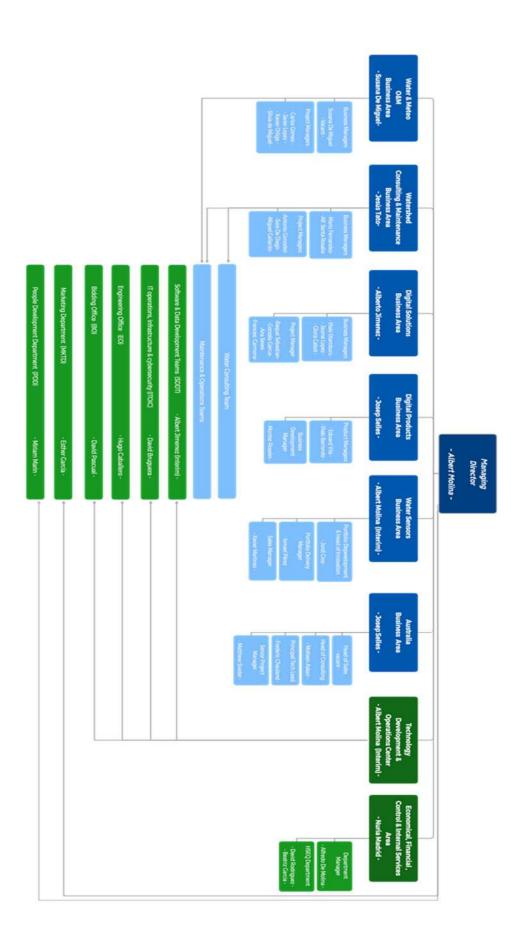
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4. MANAGEMENT STRUCTURE

The general organizational structure of the company is defined below, with special attention to the team that carries out the maintenance tasks of the Integrated System of Quality, Environment and Security and Health, and which oversees complying with the requirements of the EMAS Regulation. Modified June 2022.







SHEQ DEPARTMENT

Economic, Financial, Control &Internal
Services Area



2 QEHS Technician (Designated employees for H&S)



5. ENVIRONMENTAL ASPECTS

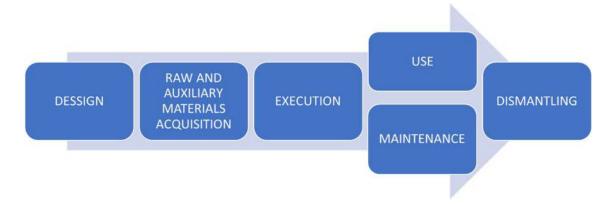
Adasa has a methodology to identify environmental aspects associated with its activity, from a life cycle point of view, in those aspects that it can control or influence. This method also quantifies which of those aspects can have a greater environmental impact and can track the objectives and goals.

With this system there are two main activity lines:

- 1. PROJECT/SERVICES MANAGEMENT
- 2. EQUIPMENT PRODUCTION

It also influences in the evaluation if the organization has control over the aspect or only influence (indirect aspect), as well as the probability of occurrence appears at organization's normal activities or only in emergency cases.

From the point of view of the organization, based on its control and / or influence, the two main lines of activity share a similar life cycle, with the following phases:



The environmental aspects related to quantities of elements consumed, generated, stored, discharged or emitted into the environment are quantified, obtained from the most appropriate sources of information for each case: invoices, delivery notes for waste collection, measurements, etc.

According to our internal procedure, the existence of legal requirements applicable to each environmental aspect is identified. When the evaluation is performed, the registered values are compared with those set by current regulations and their compliance is evaluated.

Environmental aspects are identified and evaluated considering normal, abnormal or emergency operating conditions and whether the company can do direct/indirect control or only has the capacity to influence.

The significance value considers: Magnitude, Probability, Severity and percentage of variation respect to the previous year.



As a result of the exercise of the identification and evaluation of the environmental aspects for 2022 (data 2021), the following is obtained:

ENVIRONMENTAL ASPECTS EVALUATION Office -Laboratory RDi - Workshop (Barcelona Branch)

ASPECTS	OP	ERATING CON	DITIONS	SIGNIFICANT Direct (D	
	Normal	Abnormal	Emergency		
		WASTE			
Paper and Cardboard	Χ				D
Batteries	Χ				D/I
Cell Batteries	Χ				D
Fluorescent lamps	Χ				D
Toner	Χ			X	D
Plastic waste	Χ				D
Urban waste	Χ		X		D
Contaminated Glass containers	Χ				D
Contaminated Plastic containers	Х				D
Contaminated absorbent material	Х				D
Chemical reagents Waste	X				D
Total Laboratory Hazardous Waste	Х				D
WEEE Waste electrical and electronical equipment	X			×	D
		CONSUMPTION	ONS		
Water	Χ			X	D
Electricity	Х				D/I
Fuel	Χ			X	D/I
Paper -	Х			X	D
Toner Consumption=waste	Х			X	D
oneamphon made	Ei	MISSIONS and	SPILLS		
Emissions Greenhouse Gases	Х		Х		D/I
Sewerage	Х				D/I
Noise	х				D/I
Emissions Vehicles	Х				D
Fugitive emissions (air conditioning)			×		D

Table 1. Environmental Aspects Evaluation – Barcelona 2022 (data 2021)

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SIGNIFICANT ASPECTS	ACTIVITY	ASSOCIATED IMPACTS	ACTIONS
Paper consumption	All the activities	The use of more waste implies a greater expense in resources both in the production of the material used initially and when it is managed as waste.	There are good practices and proper waste management.
WEEE	All the activities	The generation of more waste implies a greater expense in resources both in the production of the material used initially and when it is managed as waste.	The extension of the useful life of computer equipment is encouraged The possibility of donating obsolete computer equipment has been studied.
Water consumption	All the activities	Natural resources are limited	There are good practices and proper water use management. Greater control of breakdowns in bathrooms is carried out to avoid excess wasted water. More water consumption is needed to control Legionella.
Fuel	Technicians and employees with company cars	The use of fossil fuels causes a high environmental cost due to the pollution they generate	Electric vehicle chargers have been installed and this type of vehicle has begun to be used for activities in which it can really be used (customers at short distances, etc.)
Toner	All the activities	The generation of more waste implies a greater expense in resources both in the production of the material used initially and when it is managed as waste.	There are good practices and proper waste management.

Table 2. January 2022 Environmental Aspects Evaluation Results

The significant aspects of each year appear when the ratios of the previous year are exceeded. Therefore, the return to face-to-face work in 2021 has led to the appearance of new significant aspects for the year 2022.

The monitoring of the values is reflected in this report.

New employees in Adasa receive documentation (within the "Manual of welcome" Rev 08, 18th January 2022) and training in "Good practices" in the following fields:

- Use of Water.
- Consumption of paper
- Energy consumption
- Waste management
- Noise
- Fuel savings, toner, etc.



6. OBJETIVES AND GOALS 2022

Adasa's environmental objectives for 2022 were established in accordance with the Environmental Policy, the applicable legal requirements, the Environmental Aspects evaluated at the end of 2021 and the results of the Objectives that had been set for 2021.

OBJETIVE 1	GOAL
REDUCE WATER CONSUMPTION PER EMPLOYEE BY 1% WITH RESPECT TO THE FIRST PRE-PANDEMIC YEAR (2018 – 5,8 m3/employee)).	Max consumption 5,742 m3/employee

ACTIONS IMPLEMENTED

A person in charge of maintenance of the work centre has been designated so that, among other functions, he monitors the water leaks that can occur in the bathrooms, as has happened in the past.

Consumption in 2022: 5.56m3/employee. Goal accomplished.

OBJETIVE 2	GOAL
REDUCE TONER CONSUMPTION PER EMPLOYEE BY 5% COMPARED TO THE FIRST PRE-PANDEMIC YEAR (2018 – 0,25 kg/employee)).	Max consumption 0,2475 kg/employee.

ACTIONS IMPLEMENTED

Teleworking has been officially established (50% of the time).

A new hiring policy is carried out in which full-time teleworking has been prioritized in the jobs where this modality is feasible.

Consumption in 2022 has been 0.021 kg/employee. Goal accomplished.



OBJETIVE 3	GOAL
REDUCE PAPER CONSUMPTION PER EMPLOYEE BY 5% COMPARED TO THE FIRST PRE-PANDEMIC YEAR (2018 – 9,6 kg/empleado).	Max consumption 9,504 kg/employee

ACTIONS IMPLEMENTED

Teleworking has been officially established (50% of the time).

A new hiring policy is carried out in which full-time teleworking has been prioritized in the jobs where this modality is feasible.

Paper consumption in 2022 has been 1.28 kg/employee. Goal accomplished.

OBJETIVE 4	GOAL
REDUCE ELECTRIC CONSUMPTION AT LEAST IN 5% COMPARED TO PREVIOUS YEAR.	Max Consumption per employee 2,09MW/h

ACTIONS IMPLEMENTED

1 electrical car has been bought and 7 EV charging stations have been installed.

Installation of LEDs in offices, stairs and warehouse

0 Kg WEE waste in 2022. Goal accomplished.

Concentration of administration personnel in a single work room (previously they were in 2 rooms)

Average consumption in 2022 has been 2.02MWh/employee. Goal accomplished.

OBJETIVE 5	GOAL		
REDUCE THE GENERATION OF WEEE WASTE BY 10% COMPARED TO THE FIRST PRE- PANDEMIC YEAR (2018 – 685 kg)	Max waste 616,5 Kg.		
ACTIONS IMPLEMENTED			



OBJETIVE 6	GOAL
REDUCE THE GENERATION OF PLASTIC WASTE BY 5% COMPARED TO PREVIOUS YEAR (4.15 KG/EMPLOYEE IN 2021)	Max waste/emplotee 3,94 Kg.

ACTIONS IMPLEMENTED

8.31 kg of plastic waste/employee in 2022.

This year, the warehouse has been cleaned by the maintenance responsible so there was an increase of the amount of waste generated.

For the year 2023, the following objectives are:

OBJETIVO N°1: REDUCTION OF WATER CONSUMPTION/EMPLOYEE BY 1 % COMPARED TO PREVIOUS YEAR.

OBJETIVO N°2: REDUCTION OF FLUORESCENTS WASTE AT LEAST 50% VERSUS PREVIOUS YEAR.

OBJETIVO N°3: REDUCTION OF PLASTIC WASTE IN ADMINISTRATION OFFICES BY 20% COMPARED TO PREVIOUS YEAR.

OBJETIVO N°4: REDUCTION OF CONTAMINATED GLASS WASTE BY 10% COMPARED TO PREVIOUS YEAR.

^{*} After the Review by the Management of the integrated quality, prevention and environment system, more objectives may be added in the event that the SWOT study or other techniques used deem it necessary to increase the number of these.



7. ENVIRONMENTAL BEHAVIOR

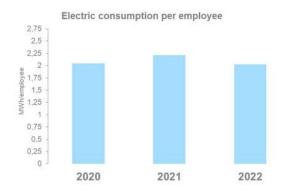
This statement presents the environmental performance of Adasa in its facilities in Prat de Llobregat during 2022 and the comparison with the years 2020 and 2021. The environmental performance results data are analysed. The origin of the data are invoices and delivery notes received.

For the data of employees, it has been taken the closing data for 2022.

Indicate that in specific cases, there are values that cannot be studied separately for the facilities of El Prat, so it has been necessary to use some others that would include more work centres. It will be specified in those cases.

7.1. ELECTRICITY CONSUMPTION

This indicator (R = A / B) is achieved by extracting data from the electricity consumption invoices of the Barcelona headquarters and dividing it by the number of employees at the headquarters (B).



Graph 1. Electrical consumption per employee

During 2022, the total consumption of the organization at the BCN headquarters was 145,982 MWh (A), with a number of employees in Barcelona of 72 people (B). Average consumption per employee (R = A / B) is 2,02 MWh. There is a decrease in total consumption (2,89%) and in average consumption per employee (8,29%)

In Barcelona, renewable energy is not directly generated, although since October 2017 the organization changed its electricity supply company and purchases green energy for its consumption in this building. Therefore, these 145,982 MWh correspond to renewable energy.

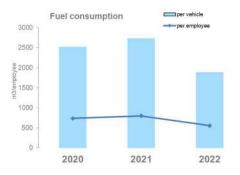
The decrease in consumption is mainly due to the actions taken:

- Led installation in all the building
- Teleworking 50%
- Reorganization of the desks. All the administration employees are working in the same room
- Installation of timers in the building, etc.

Indicator – Electricity consumption per employee			
2020	2021	2022	
A: 140,91 MWh	A: 150,33 MWh	A: 145,982 MWh	
B: 69 employees	B: 68 employees	B: 72 employees	
R: 2.04 MWh/employee	R: 2.21 MWh/employee	R: 2.02 MWh/employee	



7.2. FUEL CONSUMPTION



Graph 2. Fuel consumption per employee and per vehicle.

The global consumption of fuels (from vehicle movements) during 2022 has been 90.431 l. Consumption per vehicle registers a value of 1.924 l/vehicle and 565,19 l/employee.

In the calculations, the total number of vehicles and employees of the company has been taken into account, because it has not been possible to differentiate the exclusive trips in Catalonia.

The indicators are still being relative and giving a real image of these consumptions

The indicators (R = A / B and R '= A / B') are obtained through the fuel consumption invoices associated with Adasa vehicles (A), the vehicle ratio (B), and the global number of employees (B ').

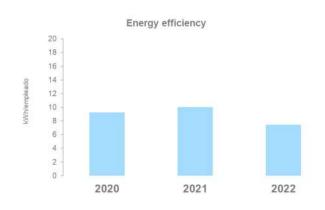
There has been a decrease of 29% in consumption per vehicle and 29,1% per employee compared to 2021

During this year, work trips have been decreased due to relaxation of the restrictive measures of the pandemic in public transport. Also 2 electric/hybrid cars have been bought.

Indicator – Fuel consumption per vehicle and per employee				
2020	2021	2022		
A: 111.039,96l. B: 44 B':151 R= 2.524 l/vehicle R'= 735 l/employee	A: 120.291 B: 44 B':151 R= 2.734 l/vehicle R'= 797 I/employee	A: 90.431 B: 47 B':160 R= 1.924 I/vehicle R'= 565,19 I/employee		



7.3. ENERGY EFFICIENCY



Graph ·3. Energy consumption per employee.

This indicator is extracted from the indicators already seen in this Statement:

-A1: Electricity Consumption MWh / employee,

-A2: Fuel Consumption MWh / employee.

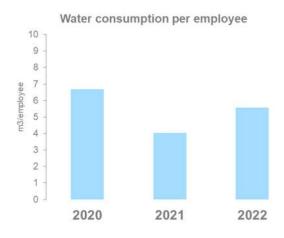
For fuel consumption (diesel in all cases), the conversion factor is "A liter of diesel weighs 0.832 kg", "1kg Diesel = 11.8kWh (Source: IDAE)."

There has been a decrease of 24,5% compared to 2021 due to the decrease of electricity and fuel consumption.

Indicator - Energy Efficiency				
2020	2021	2022		
A1: 2,04 MWh/e	A1: 2,21 MWh/e	A1: 2,027 MWh/e		
A2: 735*0,832*0,0118= 7,22MWh/e	A2: 797*0,832*0,0118= 7,82 MWh/e	A2: 797*0,832*0,0118= 5,55 MWh/e		
A1+A2: 9,26 MWh/e	A1+A2: 10,03 MWh/e	A1+A2: 7,58 MWh/e		



7.4. WATER CONSUMPTION



Graph 4. Water consumption per employee.

The use of water is common among employees for both personal hygiene and consumption as a beverage. It's also used during facilities cleaning services and Legionella control.

The total consumption for the Barcelona Headquarters (El Prat) during 2022 was 400 m3 and the consumption per employee was 5.56 m3 /employee. Which represents an increase compared to 2021 of 45% in this indicator, due to the implementation of come back to work in the building (50% working time).

If we compare consumption per employee in 2022 **(5.56m3/employee)** with respect to 2019 pre-pandemic year **(6.83m3/employee)**, it can be seen that it has improved significantly.

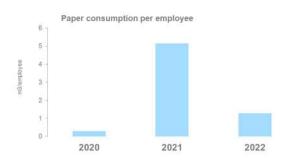
The indicator (R = A / B) is obtained through the water consumption invoices (A) and the number of employees (B).

+Data of 2021 have been slightly corrected, from 279 to 275 m3 and from 4,10 to 4,04 m3/employee.

Water Consumption				
2020 2021 2022				
A: 461 m3	A: 275 m3	A: 400 m ³		
B: 69	B: 68	B: 72		
R: 6.68 m3/ employee	R: 4,04 m3/ employee	R: 5,56 m ³ / employee		



7.5. PAPER CONSUMPTION



Graph 5. Paper consumption per employee

The consumption of paper occurs because of office activity. During 2022, **92,5 kg** of paper have been consumed in Barcelona. The average global consumption per employee is **1,28 Kg / person**, **75%** less than the previous year.

The indicator [R = \sum (Ai * Bi) / C] is extracted by adding the number of paper sheets purchased (Ai), by the relative weight of each one (Bi) extracted from the different invoices, and divided by the number of employees (C)

Paper consumption is related to the needs of ongoing projects and the preparation of offers to clients, which are highly variable in different periods.

The significant decrease in the purchase of paper in 2022 is mainly due to the fact that most offers are now presented in digital format. The presentation of offers in paper format has been significantly reduced.

The paper used in the offices has the eco-label and is 100% recycled. In addition, DIN A3 has the "Der BlaueEngel" label.

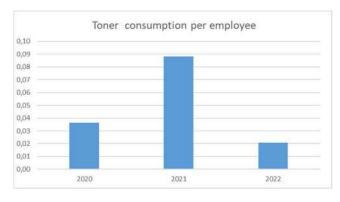
Adasa has a Green Purchase Technical Instruction (Rev 01) for the acquisition of office supplies with sustainability criteria

Data from 2020 and 2021 have been recalculated due to a mistake with the formula used in the calculations done.

Indicator – Paper consumption per employee				
2020 2021 2022				
∑Ai*Bi= 20 kg				



7.6. TONER CONSUMPTION / WASTE



Graph 6. Toner consumption/waste per employee

For the calculation of the consumption of toners and cartridges it is considered that the consumption is equal to the generated waste.

In 2022 there has been a decrease of 76% compared to previous year. In 2022 it has been made only a waste removal in April. The next waste removal will be in 2023 which will include the waste of at least 9 months.

The organization works in awareness campaigns to reduce the number of prints, the use of draft paper for internal document prints and the use of ink-saving fonts (ecofont).

This indicator (R = A / B) is obtained by dividing the kg of toner produced as waste (A) by the number of employees (B).

Indicator – Toner consumption per employee						
2020	2020 2021 2022					
A= 2,5 kg B=69 R= 0,036 kg/employee	A= 6 kg B= 68 R = 0,088 kg/employee	A= 1,5 kg B= 72 R = 0,021 kg/employee				



7.7. BIODIVERSITY

As a biodiversity indicator, the surface occupation of the Adasa offices is calculated among the number of employees at the BCN headquarters. The sealed surface is 100% (1195 m2). There is no surface oriented regarding nature and there is no surface outside the center.

Indicator - Biodiversity - Surface occupation					
2020 2021 2022					
A= 1195 m ² ; B= 69 employees $A = 1195 \text{ m}^2$; B = 68 employees $A = 1195 \text{ m}^2$; B = 72 employees $A/B = 17,32 \text{ m}^2$ /employee $A/B = 17,6 \text{ m}^2$ /employee $A/B = 16,59 \text{ m}^2$ /employee					

We have a decrease of 5,73% in global occupancy per employee compared to 2021, directly related to the increase in number of employees.



7.8. EMISSIONS

7.8.1. **NOISE**

The source of the noise pollution generated by ADASA is its motor vehicles and some specific work carried out at the workshop located at the Hospitalet (Barcelona) Office. At some sites (when the use of machinery by subcontracted companies is required) some noise pollution peaks may occur. Even so, no corrective action was required to be taken in 2022 relative to the noise levels that were produced directly and indirectly

7.8.2. **DUST**

ADASA generates dust emissions in projects requiring civil work outsourcing. In order to minimize the environmental impact, it's necessary to carry out the following measures:

- ✓ Irrigate the soil especially during the summer months and sections close to areas with vegetation or inhabited areas.
- ✓ Place a tarp on top of the vehicle that transport dust-generating material.
- ✓ Restrict traffic and limit the speed of machinery and vehicles.
- ✓ Carry out the dustier activities, whenever possible, to the schedules when it affects less people.
- ✓ Cover easily dispersible materials in windy conditions.

7.8.3. FUGITIVE EMISSIONS (AIR CONDITIONING)

During 2022 no action has been required to recharge the cooling circuit of the El Prat facilities.

Through the maintenance records of the installation, we know the recharges volume and therefore the gas emitted into the atmosphere. Finally, the associated impact is calculated (GWP-Global Warming Potential).

Since 2014, fugitive emissions from air conditioning refrigerants have been included in the calculation of CO2 equivalent emissions.



7.8.4. GREENHOUSE GASES

Adasa's activities that directly emit greenhouse gases are Travels by car, train and plane (in mission or in itinere). Indirectly, it also contributes to the emission of CO2 through the consumption of electricity, etc. Electric power in 3 of our premises is contracted with as a "No emissions energy", included El Prat.

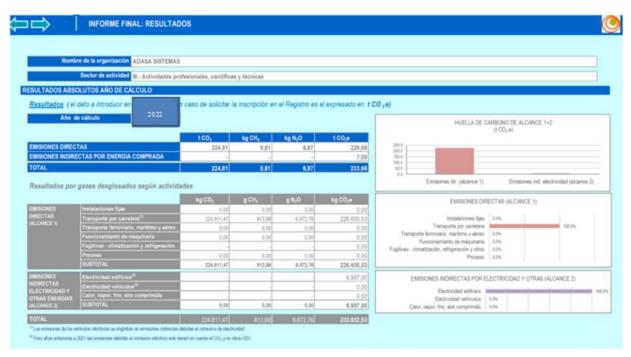
In 2020, due to the Covid-19 pandemic, trips have been restricted to only the "essentials" in shared means of transport (plane and train), increasing the total emission in road trips.

In 2021 we have increased the number of trips, mainly to foreign countries, due to open frontiers policy (Covid 19)

In 2022 it begins to be used, the calculation begins using the Excel file available on the website of the Ministry for the ecological transition and the demographic challenge. Data from all the centres that Adasa has in Spain are included. This report is subsequently used for the voluntary purchase of CO2 emission rights for the following year. The purchase has begun with the emission rights for the year 2022, estimated at the beginning of the year at 1080 tons. The rights have been purchased from the Rimba Raya project.

The data in the attached table does not include business trips by train (0.888 TnCO2) or plane (36,632 TnCO2). They also do not include commuting trips (64,623 TnCo2). The table shows the sum of all of them (A).

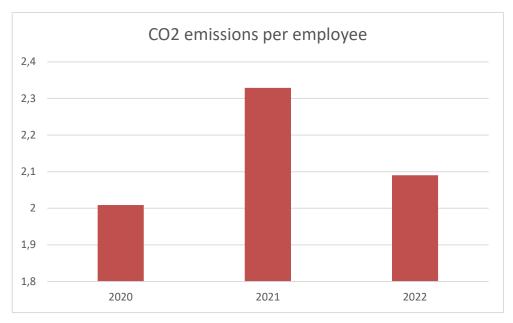
A decrease in the amount of CO2 equivalent is observed compared to the year 2021. In any case, the calculation method has been modified, so it will be necessary to wait for successive years to see the evolution of the indicator. In 2021 we have increased the number of trips, mainly to foreign countries.



Graph 7. Emissions CO2

Indicator – CO2 emissions				
2020	2021	2022		
A = 299,99 t;	A=, 347,48 t	A=, 335,80 t		
B = 151 employees Spain	B= 151 employees Spain	B= 160 employees Spain		
R (A/B) =2,009 t CO2/employee	R (A/B) = 2,329 t CO ₂ /employee	R(A/B) = 2,09 t CO ₂ /employee		





Graph 8. Emissions CO2 per employee



7.8.5. SO2, NOX AND PM EMISSIONS.

For the calculation of SO2, NOx and PM emissions, the data on fuel consumption in Adasa cars will be used. All these cars use "diesel" as fuel.

The conversion factors of "EMEP / EEA air pollutant emission inventory guidebook 2019" in its annex 1.A.3.bi-iv Road transport 2019, and table 3-6 and 3-14, will be used to transform fuel consumption in grams of SO2, NOX and PM emission.

Vehicle type	Fuel	SO2	NOx	PM
Small car	Diesel	A: 0.003 g/kg diesel	A': 12.96 g/kg diesel	A": 1.10 g/kg diesel

We consider that a liter of diesel weighs 0.832 kg, being:

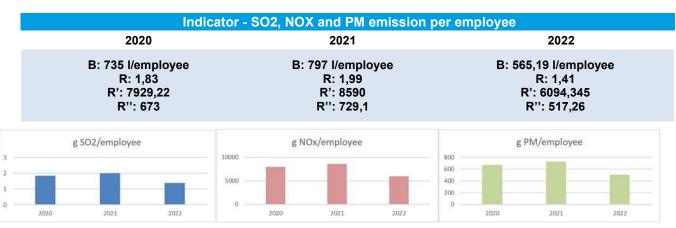
B: liters of diesel per employee.

R: g SO2 per employee, where R = A * B * 0.832

R': g of NOx per employee, being R' = A'* B * 0.832

R ": g of PM per employee, being R " = A " * B * 0.832

Using the values obtained in point 7.2, we obtain as a result, a decrease of 29,05% of these values compared to 2021:



Graph 9. Emission SO2, NOX y PM per employee



7.9. WASTES

In order to properly separate the waste, specific containers are available at the different office sites and waste areas are designated for storing each type of waste so that it can be subsequently collected by the authorized waste manager, which guarantees the assessment and specific treatment.

The quantity data used in these sections has been taken from the official documentation generated during the movement and management of waste by authorized managers.

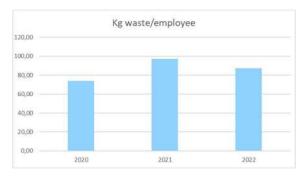
Office-Workshop-Laboratory Barcelona		Maintenance	
Toner		Cables	
Paper and cardboard	MILI	Packaging (Plastic and cardboard)	
Plastic (NHW)	NH	Scrap metal	
Non-segregated waste collection		Wood	NH
Non-Hazardous Electrical a	nd Ele	ctronic Equipment (WEEE)	
Batteries and Cell-batteries		I-batteries	
Fluorescent lamps			
Contaminated containers			
Contaminated absorbent paper			Н
Non-Hazardous Electrical and Electronic Equipment (WEEE)			
Chemical reagents	Chemical reagents H Maintenance solutions		

Table 3. Waste Identification.

7.9.1. TOTAL WASTE



Graph 10. Kg waste per employee

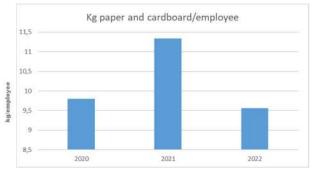


The waste is managed through an waste authorized manager.

The result shows a relative decrease of 10,2% Kg/employee compared to 2021, mainly due to the increase of number of employees (5,8%).



7.9.2. PAPER AND CARDBOARD WASTE



Graph 11. Paper and cardboard waste per employee.

The cardboard from packaging is reused for the internal shipment. This significantly reduces the requirement for cardboard boxes for the preparation of new shipments of material between delegations.

Specific containers are distributed in the offices, which are periodically managed by the authorized Waste Manager for subsequent recovery

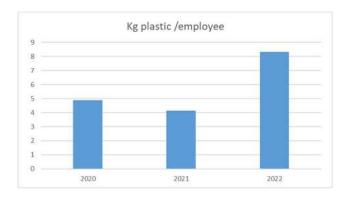
In 2022 there has been a 15,66% decrease in waste of paper and cardboard compared to 2021 from 11.34 to **9.56 kg per employee.**

Actions on the use of digital formats and printing in saving format for documents for internal use have been maintained.

Indicator – Paper and Cardboard waste per employee					
2020 2021 2022					
A= 676 kg; B= 69 employees R= A/B = 9,79 kg/employee	A= 771 kg; B= 68 employees R= A/B = 11,34 kg/employee	A= 688.5 kg; B= 72 employees R= A/B = 9,56 kg/employee			



7.9.3. PLASTIC WASTE



Graph 12. Plastic waste per employee.

In 2022, a residual plastic (not recovery) value of 8,31 kg per employee was registered, with a decrease of 100,44% compared to the previous period.

The residual plastic comes mainly from packaging and unused containers. Packaging materials in good condition, as with cardboard, are reused internally.

The significant increase in residual plastic is due to a deep cleaning of the warehouse.

Indicator -	Plastic waste	per emp	loyee

2020 2021 2022

A= 338 kg; B= 69 employees R= A/B = 4,90 kg/employee A= 282 kg; B= 68 employees R= A/B = 4,15 kg/employee A= 598,5 kg; B= 72 employees R= A/B = 8,31 kg/employee



7.9.4. HAZARDOUS WASTE (LABORATORY - WORKSHOP)

The origin of the laboratory residues are the activities of preparation and replacement of reagents of the analytical equipment for water quality parameters, and of the residual reagents of the laboratory tests associated with R+D+i projects in the laboratory of El Prat (Barcelona).

The separation of toxic and dangerous waste, its storage and its final conditioning are regulated by legislation and by the procedures and instructions of the Adasa Management System.

Modified 2021 data (non-hazardous waste had been included in the addition)

Waste (kg)	2020	2021	2022
Contaminated absorbent paper	0	0	0
Waste Products / Chemical Preparations	1876	1792	2076
Waste Containers Contain Hazardous Substances (plastic)	22	59	50
Contaminated Glass Waste	20	15	38
Hazardous Waste Indicator (kg)	1958,3	2552,72 instead of 2892,72	2313
Nº Employees	69	68	72
Hazardous Waste Indicator (kg / employee)	28,37	37,51 instead of 42,54	32,12
No. Hours worked Laboratory / Maintenance	5808	6758	7336,6
Hazardous Waste Indicator (kg / Hours)	0,33	0,37 instead of 0,42	0,31

Table 4. Laboratory and workshop hazardous waste.



Graph 13. Total Hazardous waste/working hours.

The generation of the waste (A) is not proportional to the number of employees, but is linked to the needs of the R+D+i projects, in the way that the indicator is calculated with respect to the hours of production (B). Indicator R = A / B.

There is a 16,54% decrease in relative Hazardous Waste (kg/h), due to the fact that in 2022 new employees have been hired.

Waste figures in 2021 have been modified due to 1 non-hazardous waste that had been included in the list.



7.9.5. PROJECT WASTE MATERIALS

A Quality, Environmental and Health & Safety Action Plan is drafted for each project to identify and assess the specific environmental hazards and all the procedures and elements that must be taken into account to ensure correct environmental management; waste management preventive and corrective actions, good environmental practice data sheets, etc.

The *Action Plan* is communicated to ADASA stakeholders involved on the project in order to guarantee its accomplishment.



Due to ADASA's activity, the generation of waste is variable and depends on each project's needs

This year, stocks in the warehouse have been cleaned, included residual wood.

¹Waste Project site materials (batteries, cables,...) are not represented as a ratio of total value per employee (A/B) because this indicator has variable generation and low representativeness and is not significant according to the environmental analysis – Chapter 2.3.2.2 Commission Decision of 4 March (2013/131/UE).

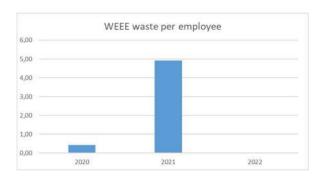
Waste¹ (kg)	2020	2021	2022
Batteries	4579	3600	4000
Wood	0	0	108
WEEE NH (Waste Electrical and Electronic Equipment - Non-Hazardous)	384	0	0

Table 5. Main worksite project waste materials.



7.9.6. **WEEE**

This year this indicator is incorporated as it is considered a significant aspect in the evaluation of environmental aspects for 2022 (generated in 2021).



Graph 14. WEEE waste per employee.

During 2021, the company's computer systems that were obsolete were cleaned. An attempt has been made to donate some equipment, but it has been seen that they were practically in disuse, so this option has been ruled out.

	Indicator – WEEE per employee	
2020	2021	2022
A= 29 kg; B= 69 employees R= A/B = 0,40 kg/employee	A= 334 kg; B= 68 employees R= A/B = 4,91 kg/employee	A= 0 kg; B= 72 employees R= A/B = 0 kg/employee



7.10. COMPLIANCE WITH EU DECISION 2019/63

At the beginning of 2019 the "COMMISSION DECISION (EU) 2019/63" enters into force.

It consists of a sectoral reference document on best environmental management practices, sectoral indicators of environmental performance and comparative parameters of excellence for the electrical and electronic equipment manufacturing sector.

In accordance with Annex IV, Section B, letter e) of the EMAS Regulation, the environmental declaration must contain "a summary of the information available on the behavior of the organization regarding its environmental objectives and targets in relation to its significant environmental impacts; Core indicators and other relevant existing environmental performance indicators should be reported as set out in section C. 'In Annex IV, section C, the following is stated: "Each organization must also report annually on its behavior in relation to the more specific environmental aspects indicated in its environmental statement and, if available, must take into account the reference documents sectors referred to in article 46 ».

The Best Environmental Management Practices (BEMPs) applicable to Adasa are detailed according to its activities and facilities, and the monitoring indicator used.

BEMP	INDICATOR DESCRIPTION	BASIC INDICATOR	COMPLIES	DESCRIPTION OF COMPLIANCE
3.1.2	Coefficient of System Performance (COSP)	Energy efficiency	YES	Installation implemented in compliance with energy efficiency guidelines. Follow-up: See point 7.1 of this ES We can't verify exclusively the refrigeration electricity consumption so we are using total electricity as indicator • At the end of 2022, meters for the air conditioning systems have been installed. From this moment we can track the associated consumption.
3.1.9	Share of electricity from renewable sources (self-generated or purchased with verified additionality) out of the total electricity use (%)	Energy efficiency	YES	100% Energy consumption is renewable
3.1.10	Waste disposal diversion rate of the waste generated at manufacturing plants	Wastes	NO	Annual indicators of waste generation. See points 7.9 of this ES 7.781,5 kg waste (valorization) and 2.502 kg waste (no valorization). Aprox 75,66% valorization vs 93% required.



3.2.2	Periodical (e.g. annual) publication of GHG emissions calculated with a recognised standard method (Y/N)	Emissions	YES	Annual indicators of equivalent CO2 emissions. See points 7.8.4 of this ES and Global Compact report.
3.2.2	Periodical (e.g. annual) publication of GHG emissions calculated with a recognised standard method	Emissions	YES	Annual indicators of equivalent CO2 emissions. See points 7.8.4 of this ES and Global compact report.

ВЕМР	INDICATOR DESCRIPTION	BASIC INDICATOR	COMPLIES	DESCRIPTION OF COMPLIANCE
3.2.3	Inclusion of LCA according to the ISO standards 14040 and 14044 in the environmental strategy of the company and use of LCA when taking major decisions for developing new and redesigned products	Energy efficiency Material efficiency Water Waste Biodiversity Emissions	NO	LCA: life cycle, R&O, integrated aspects included in ISO 14001 but we are not using ISO 14040. Life cycle assesment. Started in Aquabio (measuring device). Project Ibathwater Implementing ETV (European Technology Verification) of Aquabio (measuring device)
3.2.4	Formulation of procurement guidelines and requirements for the most relevant products and materials identified in the biodiversity assessment	Material efficiency	YES	14001 / EMAS requestion to suppliers
3.3.1	Setting of circular economy objectives for new products	Material efficiency	NO	The manufactured equipment is completely removable, repairable by parts and separable by components for recycling
3.3.1	Share of products or components (by number or revenue) for which design cycles or redesign cycles have been embarked upon that explicitly address the different approaches of circular economy	Material efficiency	NO	100% of the manufactured equipment is designed to be completely removable, repairable by parts and separable by components for recycling Data required not available
3.3.2	Implementation of the IPSO model ensuring that it delivers environmental benefits	Material efficiency	YES	The installation and maintenance service recovers the waste generated and is in charge of environmentally sound management. There is an agreement with ECOTIC for the correct management of the same volume of WEEs with respect to EEEs that Adasa puts on the market



8. LEGAL COMPLIANCE

Adasa identifies records and reviews the applicable legal environmental requirements and the requirements of voluntary commitments it has acquired.

Adasa currently has no open disciplinary proceedings or proceedings in environmental matters and compliance with all legal requirements applicable.

Areas	Associated Regulations	Compliance assessment
Activities License	-L20/2009, of 04-12-2009, on prevention and environmental control of activities. -Ordinance of municipal environmental, security and public health intervention in El Prat de Llobregat. - Ordinance type of municipal environmental, security and public health intervention of the Diputació de Barcelona.	The headquarters has an Activities License. In 2020 the favorable resolution of the non-substantial modification of your License is obtained.
Low voltage	-RD 842/2002, of 02-08-2002, approving the Low Voltage Electrotechnical RegulationRD 314/2006, dated 03-17-2006, which approves the Technical Building Code.	
-RD 88/2013, of 08-02-2013, which approves the Complementary Technical Instruction AEM 1 "Lifts" of the Regulation of lifting and handling equipment, approved by Royal Decree 2291/1985		Periodic inspections of lifting devices are being carried out. In 2022, the external inspection of the elevator in use was passed favourably.
Energy efficiency.	-RD 56/2016, of 03-12-2016. -RD 314/2006, of 03-17-2006, which approves the Technical Building Code.	
Air conditioning	-RD 314/2006, of 03-17-2006, which approves the Technical Building Code. -RD 1027/2007 of 07-20-2007, approving the Regulation of Thermal Installations in Buildings.	The facilities at the headquarters have been legalized. Maintenance reviews done. Legal inspections done.



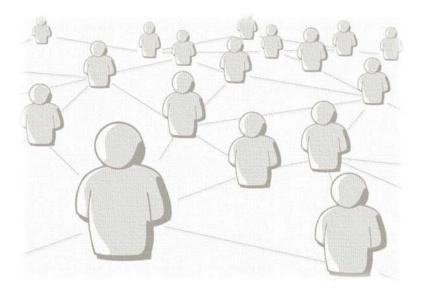
Areas	Associated Regulations	Compliance assessment
	-Order 07-27-1999 determining the conditions to be	All periodic inspections and
Fire extinguishing systems	met by fire extinguishers installed in vehicles for	maintenance of fire protection
	transporting people or goods.	installations are carried out.
	-RD 2060/2008, of 12-12-2008, which approves the	
	Regulation of pressure equipment and its	
	complementary technical instructions.	
	-RD 2267/2004, of 03-12-2004, which approves the	
	Regulation of fire safety in industrial establishments.	
	-RD 314/2006, of 03-17-2006, which approves the	
	Code	
	-RD 513/2017, of 05-22-2017, which approves the	
	Regulation of fire protection installations.	
Legionellosis	-RD 865/2003 of 04-07-2003 establishing the hygienic-sanitary criteria for the prevention and	All periodic inspections and maintenance of sanitary water
Ü	control of legionellosis.	facilities are carried out.
		In 2020 a positive was detected.
		An action program has been implemented.
		Issue solved.
Annual Declaration of Waste	-D 93/1999 of 06-04-1999 on waste management procedures.	It's carried out annually
Aimaa Bedaration of Waste	procedures.	
Annual Deckering Declaration	-RD 782/1998, of April 30, which approves the Regulation for the development and execution of	It's carried out annually
Annual Packaging Declaration	Law 11/1997, of April 24, on packaging and	
	packaging waste -D 93/1999, of April 6, on waste management	
Waste management	procedures.	All waste is managed through
	- RD 553/20 waste movement.	Authorized Managers and carriers.
		-The legal procedures defined in the different applicable
		regulations are complied with.
Statement of EEEs placed on	RD 110/2015, of 02-20-2015, on waste from electrical and electronic equipment. (WEEE)	Quarterly statements are made.
the market		
	RD 920/2017, of October 23, which regulates the	The ITVs of the vehicles are
ITV	vehicles technical inspection.	passed at the marked frequency.



9. STAKEHOLDERS

Adasa ratified its commitment to social and economic and especially environmental sustainability, which is in fact the core business of the Company.

The drafting of a Dialogue Map for stakeholders has enabled the most suitable action to be applied with collaborators, clients, suppliers, employees and other companies which are working in the same sector.





10. TRAINING AND COMMUNICATION

ADASA keeps employees involved in activities or practical training in order to reach the set goals and objectives.

In the Employee Portal the staff can contribute and exchange information with other employees. This information is analysed by the *Environmental*, *Quality and Health&Safety Committee*. https://portal.adasasistemas.com/en/group/adasa/foros/-/message_boards? 19 mbCategoryId=33065 (Ex. Saving energy, Buying green, EMAS)

Scheduled videoconference about "Sustainability". May 2023.







11. VALIDATION

ADASA SISTEMAS, SAU

CIF A58596206

C/ Ignasi Iglesias 217-219

08820El Prat de Llobregat - Barcelona

Tel. +34 932 640 602 - Fax +34 932 640 656

www.adasasistemas.com









Environmental Statement Contact Person Nuria Madrid - Economic, Financial and Services Director Area nmadrid@adasasistemas.com

This Environmental Declaration has been validated by SGS Internacional Certification Services Ibérica, S.A.U. Date.....

"SGS INTERNATIONAL CERTIFICATION SERVICES IBERICA, S.A.U. accredited by ENAC number ES-V-0009 and authorised by Direcció General de Qualitat Ambiental de la Generalitat de Catalunya number 034-V-EMAS-R



www.adasasistemas.com adasa@adasasistemas.com

