
ENVIRONMENT

Our raison d'être

The environment is ever-present in the decisions ACCIONA takes, and as such is an integral part of its operations, designing also measures to reduce its footprint.

2014

Challenges	Advances
<ul style="list-style-type: none">■ Improve the ratio of CO₂ emissions avoided to 12.5% of emissions generated (2009 baseline).	<ul style="list-style-type: none">■ Ratio of CO₂ emissions avoided compared to emissions generated in 2014: 28 (2009 ratio: 7.8).
<ul style="list-style-type: none">■ Reduce the energy consumption ratio (energy/sales) by 12.5% (2009 baseline).	<ul style="list-style-type: none">■ 47% reduction in the energy/sales consumption ratio compared to 2009.
<ul style="list-style-type: none">■ Increase the positive net contribution of ACCIONA's water footprint by 4.5 times compared to the 2009 baseline.	<ul style="list-style-type: none">■ The positive net contribution was increased by 7 times, compared to the 2009 baseline.
<ul style="list-style-type: none">■ Increase the reporting of ACCIONA's Scope 3 carbon footprint, until 1,500 suppliers are included.	<ul style="list-style-type: none">■ The calculation of GHG emissions associated with the activity of over 28,000 suppliers was concluded.
<ul style="list-style-type: none">■ Offset the CO₂ emissions generated by the Company's most representative events.	<ul style="list-style-type: none">■ 305 t of CO₂ emissions generated by the Company's most representative events were offset.
<ul style="list-style-type: none">■ Launch new offers of services for customers with regard to offsetting emissions.	<ul style="list-style-type: none">■ New actions were undertaken to reduce and offset CO₂ emissions.
<ul style="list-style-type: none">■ Consolidate ACCIONA's system for preventing and mitigating the main environmental risks associated with the business activities of its divisions.	<ul style="list-style-type: none">■ Work was carried out on identifying and implementing the most relevant mitigation measures.
<ul style="list-style-type: none">■ Carry out new unique initiatives within the framework of ACCIONA's Biodiversity Compensation and Enhancement Program, and monitor and control the actions executed.	<ul style="list-style-type: none">■ New action lines in ACCIONA's Biodiversity Compensation and Enhancement Program were carried out, such as the nesting boxes for protected species in Mexico, the creation of a new ecosystem (wetland) using renewable energies and breeding European mink in captivity and observing its behavior.



We strive to secure our position as a leading company in the fight against climate change. We are committed to renewable solutions, offsetting emissions and seeking innovative solutions to ensure we are at the forefront of the most advanced environmental standards:

- Avoiding the emission of 16.3 million tons of CO₂
- Generating a positive net contribution of 532 hm³ to the water footprint
- Earmarking 560 million euros to environmental efforts

2015

Challenges

- Improve the ratio of CO₂ emissions avoided to 15% of emissions generated (2009 baseline).
- Reduce the energy consumption ratio (energy/sales) by 15% (2009 baseline).
- Increase the positive net contribution of ACCIONA's water footprint by 5 times compared to the 2009 baseline.
- Report on Scope 3 of ACCIONA's carbon footprint at all its suppliers and draw up measures to agree on emissions reductions with its most intensive suppliers.
- Offset the emissions generated by the Company's most representative events.
- Launch new offers of services for customers to offset emissions.
- Improve environmental risk management at the Company.
- Consolidate ACCIONA's Biodiversity Compensation and Enhancement Program. Monitor and control initiatives launched.
- Disseminate the Advanced Environment Course for all ACCIONA employees and suppliers.
- Publish ACCIONA's key biodiversity protection and conservation initiatives.

The environmental variable as our distinguishing feature

ACCIONA considers the environmental variable when making decisions and in its business operations for the main purpose of reducing the environmental effect of its activities. This is reflected in its commitment to low-carbon business models, in the accountability of its environmental performance and in the objectives established regarding continuous improvement in terms of the environment within the framework of its 2015 Sustainability Master Plan (SMP 2015).

SPECIFIC ENVIRONMENTAL POLICIES

In 2014, the Sustainability Committee approved the Water Policy, which is in addition to ACCIONA's other 3 policies in this area: Climate Change Policy, Environmental Policy and Biodiversity Policy. These outline the Company's main environmental principles which apply to all its business lines and all the countries where it operates (available on the Company's website: <http://www.acciona.com/sustainability/environment/>).

ENVIRONMENTAL EFFORT IN FIGURES

The environmental effort encompasses costs and investment relating to our business activities concerning the

environment, such as water purification and renewable energy production. In 2014, the Company invested 560 million euros in its environmental activity, an 8.1% increase on 2013. Environmental costs totaled 95 million euros while investment amounted to 298 million euros.

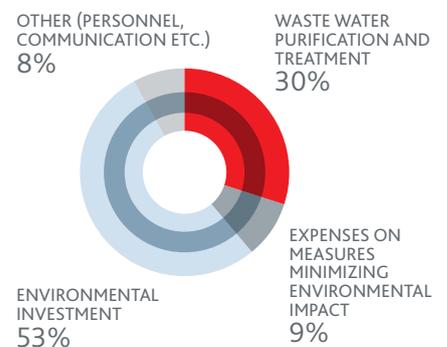
A further 167 million euros was earmarked for the design, construction, operation and maintenance of wastewater purification and treatment plants. Investment also included 287 million euros spent on environmental prevention measures, such as new renewable facilities.

The Company's environmental protection efforts and initiatives have brought various tax benefits:

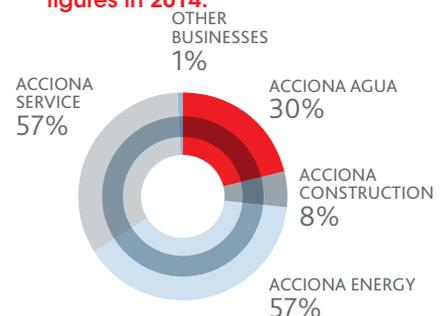
- The Port Authorities have granted ACCIONA Trasmediterranea a 5% reduction on the "T1" tax (the tax paid by shipping companies using port installations and waters) owing to the environmental best practices applied by its ships holding ISO 14001 certification.

The Barcelona and Valencia maritime stations have each benefited from a 15% reduction in the Activity Tax.

→ Breakdown, by category, of ACCIONA's environmental figures in 2014 (total 560 million euros)



→ Breakdown, by business line, of ACCIONA's environmental figures in 2014:



The Company is committed to low carbon business models and establishes environmental improvement objectives within the framework of its Sustainability Master Plan

- ACCIONA Agua obtained grants from Ente Vasco de la Energy (EVE) for its Amorebieta waste water treatment plant, for the improvements made at the plant pursuant to the Energy Report which was drawn up to obtain ISO 50.001 certification for energy management systems.

STRATEGIC NATURE OF THE ENVIRONMENTAL VARIABLE

It is vital to have the suitable qualified personnel at all functional, hierarchical and geographical levels within the Company so that they can, at all times, offer the best quality and experience when carrying out the business' activities whilst adhering to the most stringent environmental standards.

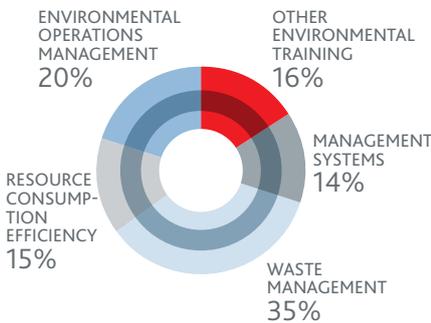
Within the framework of the SMP 2015, the Sustainability Committee of the Board of Directors focuses on carrying out the initiatives and complying with its environmental objectives.

Qualified personnel	
General Management of the Innovation, Environment and Quality Area	This area, which reports directly to the Chairman, defines environmental policies and establishes strategic priorities with regard to the environment, thereby promoting and leading the Company's various initiatives focused on reducing and offsetting its environmental footprint.
Environment and Quality Manager	This person transmits corporate policies and strategies, and integrates and coordinates the business' network of supervisors and technicians that implement the environmental actions and objectives for each activity, center, area and/or technology.
Environment, Quality and Processes Committee	Comprises the environmental, quality and process management team for the Company and for the business divisions. The Committee's objectives include ensuring that the Company's environmental and quality strategy is in line with the growth of its businesses. It also monitors the strategic objectives, and environmental impacts, mitigation measures and risks on a monthly basis, and oversees the Company's Environment and Quality Communication Plan.
Employees with environmental responsibilities	180 people at ACCIONA have environmental responsibilities.

ENVIRONMENTAL TRAINING

In 2014, ACCIONA's employees received 129,039 hours of environmental training, up 125% on the previous year, largely due to training on waste treatment at works and centers in Spain for ACCIONA Infrastructure.

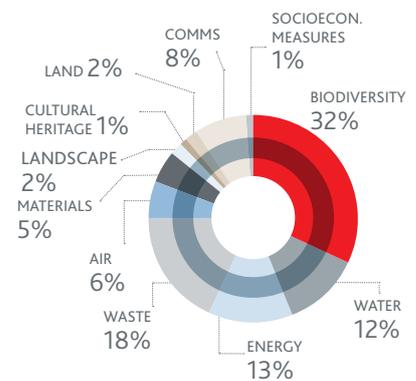
→ Breakdown of hours of training by subject in 2014



GOOD PRACTICES AND UNIQUE ENVIRONMENTAL ACTIONS

The environmental actions carried out by ACCIONA's various businesses must first be identified, analyzed and assessed so as to ascertain and disseminate the most relevant ones within the Company and replicate them as need be. In collaboration with the Expert Panel on Environment and Biodiversity, ACCIONA assesses all actions and selects the unique ones, in other words, those that stand out for their net positive impact on the environment, their innovative nature or scientific and/or social interest. In 2014, 488 environmental actions were identified, analyzed and assessed, of which 27% relate to ACCIONA Energy, 26% to ACCIONA Service, 21% to ACCIONA Agua and 19% to ACCIONA Construction.

→ Main fields of environmental actions analyzed



Total hours of environmental training by business line in 2014

	2014
ACCIONA Energy	5,711
ACCIONA Construction	108,696
ACCIONA Agua	10,227
ACCIONA Service	2,181
Other businesses	2,223
Total	129,039

ACCIONA Advanced Environmental Course for employees and suppliers

Four-hour long online course for all employees and suppliers. In conjunction with the University of Alcalá.

This course is divided into 5 blocks: introduction to the environment, climate change, water, energy and biodiversity; and participants learn about the key environmental variables and future international trends.

Participants receive a certificate from the university once they have successfully completed the course.

All employees and 16,000 suppliers are eligible to take part.

Comprehensive environmental management

GUIDING PRINCIPLES FOR A SUCCESSFUL ENVIRONMENTAL MANAGEMENT SYSTEM

The model establishes a common action framework which coordinates the various environmental management systems at each of the divisions and is based on continuous improvement.

ACCIONA's environmental management systems are verified and certified by accredited independent entities in accordance with the UNE-EN ISO 14001:2004 standard. In 2014, 87% of revenue was certified.

ACCIONA also identifies environmental *near misses* in its incident registration and classification and adopts appropriate corrective and preventative measures. In 2014, the Company recorded 123 *near misses* relating to small wastewater spills, slight HTF leaks, confined spills of chemical substances, etc. An analysis of these types of events enables the Company to establish corrective measures that will allow accidents to be avoided and improvement opportunities to be detected.

Implementation of continuous improvement tools



2014 environmental objectives set with a focus on continuous improvement

(%)

Environmental objectives	Degree of compliance
ACCIONA Agua	
Increase cogenerated power to 80% of the total of electricity consumed by the ABRERA waste water treatment plant (WWTP).	100
Reduce power consumption by 3% compared to 2013 at the Mungia WWTP.	100
Reduce irrigation water consumption by 5% in Caceres.	95
Reduce visual impact of the Martos WPP perimeter by 50%.	100
Reduce by 5% consumption of reactants in drinking water treatment process with the same water quality.	100
Improve the dryness of the sludge by 0.1% compared to 2013 at the Galdar and Agaete WWTPs.	75
ACCIONA Construction	
Implement environmental measures to obtain the energy efficiency and environmental footprint objectives set in the 2015 SMP.	83
Install and bring into operation the document management system at 80% of the works lasting over 6 months.	21
ACCIONA Service	
Reduce customers' water consumption by 5% with regard to the 2013 baseline.	> 100
Reduce energy consumption by 5% for activities carried out by ACCIONA Urban Services compared to 2013 baseline.	> 100
Reduce by 5% hazardous waste generated at customer facilities operated by ACCIONA Facility Services compared to 2013 baseline.	> 100
ACCIONA Energy	
Reduce water consumption by 8,000 m ³ with regard to 2013 baseline.	100
Reduce environmental incidents < 18.	100
ACCIONA Trasmediterranea	
Environmental risk assessment at Valencia maritime station to provide a financial guarantee.	100
Roll out energy management system in Valencia.	60 ¹
Implement water consumption reduction plans: Water saving campaign. Review current systems and replace/build facility accordingly.	70 ²

(1) Initial diagnosis, documentation preparation and management's commitment, energy efficiency measures pending implementation.

(2) Water saving campaign and upgrade of faucets at Barcelona Maritime Station.

ENVIRONMENTAL IMPACT MANAGEMENT AND ASSESSMENT

The environmental impact assessments carried out by the Company on its projects demonstrate its preventative approach. In 2014, there were 4 projects in progress subject to an Environmental Impact Study (EIS). All of these projects were being processed by the competent public authorities in Spain and Chile. The EISs for these projects were published in the corresponding official bulletins and on public administration platforms to encourage public participation and gather any objections.

ACCIONA also carried out Environmental Supervision Plans (ESP) at 236 centers and facilities under construction, in operation or maintenance. The Company also carried out environmental follow-up actions at 100 facilities, with more than 234 studies relating to: populations of certain species of fauna; forestry and fire prevention treatments; noise reduction; and control and follow-up of other possible impacts on the ecosystems.

Under PLAN 10+, ACCIONA has developed a tool for managing, for the purpose of continuous improvement, the main environmental problems affecting its business divisions. In 2014, it rolled out 129 different solutions to the problems detected and defined a further 56 corrective measures to be followed.

Initiatives carried out as part of PLAN 10+ ACCIONA in 2014

Analysis of effects of wind generation on the Chiroptera population in Croatia.

One of the problems identified under the PLAN 10+ is how the Company's wind farms in Croatia affect the Chiroptera population. Various monitoring indicators have therefore been established. In parallel, certain measures have been drawn up, along with a budget to implement them.

Environmental responsibility training: personal and corporate responsibility.

In 2014, ACCIONA offered both personal and corporate environmental responsibility training (under Spanish legislation). The purpose was to inform employees of their legal responsibilities concerning environmental issues arising from the Company's business activities. Training was given by the prestigious law firm, Uría Menéndez.

Strengthening global management of environmental legal requirements

Since 2010, ACCIONA has had an online Regulations and Legal Requirements tool, aimed at improving management of its environmental obligations. This tool enables the Company to manage compliance with administrative obligations and other legal commitments at its centers and facilities in Spain and Portugal. It has helped reduce the time and effort spent on identifying and updating legal requirements, speeding up and improving efficiency in verifying compliance with the Company's obligations and avoiding possible breaches. In 2014, 600 centers were registered.

ENVIRONMENTAL RISK MANAGEMENT AT ACCIONA

ACCIONA has a Corporate Environmental Crisis Management System which lays down the actions to be taken in the event of an environmental crisis: the Corporate Crisis Management Regulations allow the Company to systematically identify the risks that cause an environmental incident and determine the processes, guidelines and responsibilities in the case of a crisis situation. In these situations, the Corporate Crisis Assessment Committee is assisted by the Environmental Assessment Team.

In 2014, work focused on building on the environmental risk management initiatives, focusing on identifying and implementing mitigation measures for the most relevant issues which were identified in the 2013 risk assessment. A total of 35 interviews were carried out with the heads of those centers deemed to represent a very high level of risk, with both existing and potential mitigation measures analyzed. The tolerance level of these measures was also assessed and the first steps were taken to implement the measures to reduce any non-assumable risks.

One of ACCIONA's strategic priorities is **fighting climate change**: in 2014, the Company cut CO₂ emissions by **9%**

Fighting climate change as a priority

For ACCIONA, the fight against climate change is a strategic priority and, therefore, its activities are carried out based on a low-carbon business portfolio which enables it to:

- Reduce or mitigate the adverse effects of climate change.
- Decrease greenhouse gas (GHG) emissions into the atmosphere mainly through renewable generation.
- Promote energy savings.
- Respond to global demands regarding renewable energy, sustainable infrastructures, water and services.

ACCIONA also extends its commitment to fighting climate change to the entire value chain through:

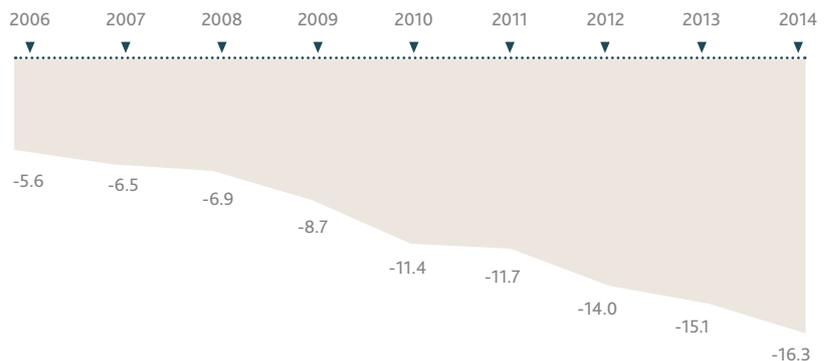
- Collaboration and cooperation with other companies, public institutions, social organizations, suppliers and other stakeholders.

- Sensitivity, awareness and training.
- Transparent and comprehensive information on this subject.

MAIN CLIMATE CHANGE RISKS AND OPPORTUNITIES

A multidisciplinary team is responsible for identifying and managing environmental risks, including those risks related to climate change, so as to ensure these are in line with ACCIONA's Global Risks Policy. It also determines the acceptable tolerance level while providing information on the exposure level assumed. Once the risk has been defined, the parameters used for assessing it are the probability of occurrence, the economic-financial consequences, the impact on the Company's image, the negative impacts on sustainability, the Company's ability to assume the risk and the established risk management systems.

→ **CO₂ emissions avoided** (millions of tons)



Emissions avoided by country in 2014

Country	Installed capacity (MW)	Output (GWh)	Emissions avoided (tCO ₂)
Australia	305	939	753,370
Canada	181	515	338,006
Chile	45	28	20,507
Costa Rica	50	144	104,234
Croatia	30	79	51,886
USA	628	2,278	1,580,985
Spain	5,980	14,014	11,113,095
Greece	48	119	90,535
Hungary	24	47	29,112
India	86	226	194,866
Italy	156	239	136,360
Mexico	557	2,174	1,193,307
Poland	71	148	132,830
Portugal	166	394	271,685
South Africa	75	47	43,553
Total	8,400	21,391	16,054,329

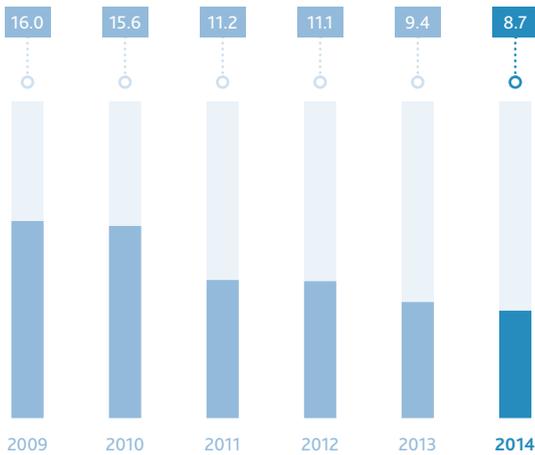
Weekly trends in emissions avoided by ACCIONA as a result of renewable production are indicated by an emissions meter on the Company's website: www.accionacomissions-meter.

HELPING MITIGATE CLIMATE CHANGE THROUGH THE BUSINESS

In 2014, the Company produced 579,106 tons of CO₂ emissions, which is a 9% decline on the 2013 figure, and 67% less than in 2007. It also avoided the emission of 16.3 tons of CO₂, in other words 28 times the CO₂ generated by its production activity.

Included in the emissions avoided are those from other businesses, such as the construction of wind turbines for third parties, biofuel production, eco-efficient building and employee travel. A total of 283 thousand tons of CO₂ emissions were avoided in 2014 through these activities.

→ **Energy consumption**
(1PJ = 277.7GWh)



ENERGY CONSUMPTION REDUCTION

ACCIONA reduced energy consumption by 8% in 2014 compared to the previous year, and by 64% compared to 2007, with a total consumption of 8,671 TJ in 2014.

This decline is due to the introduction of energy efficiency measures, the decline in activity at ACCIONA Trasmediterranea and a lower use of natural gas for solar thermal production following regulatory changes introduced in 2013. ACCIONA Trasmediterranea is still the Company's highest consumer of energy, followed by ACCIONA Agua.

For the tenth consecutive year, ACCIONA's energy intensity level has fallen, and is 7% lower than the previous year.

PURCHASE OF GREEN ENERGY IN THE INTERNATIONAL SPHERE

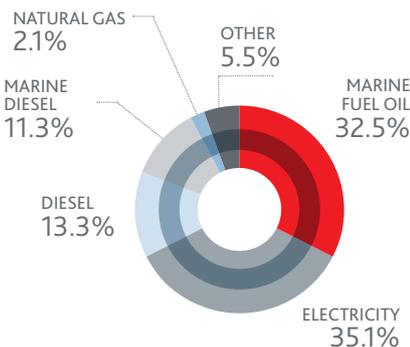
In 2014, 74% of the electricity acquired by the Company in Spain was from renewable energy sources, a 14% increase on the previous year. In order to extend the acquisition of this type of electricity to the international sphere, a working group was created, with the following objectives:

- Identify those countries in which ACCIONA carries out its activities with

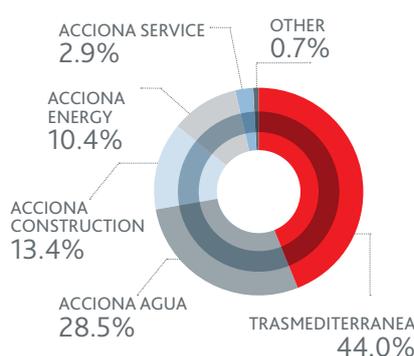
significant electricity consumption and, in particular, in which ACCIONA produces renewable energy.

- Analyze the regulatory framework of the renewable energies in these countries.
- Select the countries with the most favorable conditions in order to implement the acquisition system.

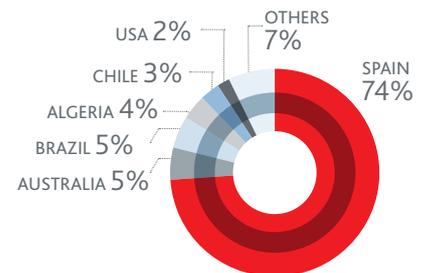
→ **Energy consumption by source**



→ **Energy consumption by line of business**



→ **Energy consumption by country**



→ **Energy intensity index**
(TJ/sales. Baseline = 100, at 2004)



THIRD PARTY ENERGY CONSUMPTION

The most significant energy consumption outside of the organization is at the following activities, calculated in accordance with the Company's Scope 3 categories:

External energy consumption (GJ)

Assets leased to the organization		3,098,024
Assets leased by the organization		8,337
Employee commutes to work		448,162
Business trips		227,058
Company waste		380,344
Waste arising from products sold by the Company		2,444
Suppliers: 100% of goods and services are bought from 28,000 suppliers comprising the supply chain	Coal	3,407,828
	Oil	20,284,487
	Natural gas	5,206,782
	Electricity (renewable)	913,848
	Electricity (nuclear)	660,496
Total		34,637,811

Promoting energy efficiency among customers

ACCIONA Service offers its customers a specific energy services line. Its energy efficiency initiatives help reduce consumption, costs and CO₂ emissions while extending the useful life of facilities. In 2014, the following two projects are noteworthy:

1.- Demand management at Hospital Universitario Infanta Sofía (Madrid)

ACCIONA Service monitored and advised on energy consumption at the hospital to help actively manage demand without entailing investment. The following actions were carried out: wiring was streamlined, consumption anomalies detected in real time and the final energy supply managed according to energy efficiency criteria to ensure certain comfort parameters. These initiatives generated energy savings of 36,450 MWh in 2014.

2.- Demand management at a car manufacturing plant (Zaragoza)

ACCIONA Service carried out an energy study at the plant and identified solutions to minimize maintenance and energy consumption. Alternative lighting was recommended, such as induction lamps – which can be converted to fluorescent electrodeless lamps –, instead of sodium vapor lamps. This initiative brought significant energy savings (approximately 50%) and maintenance savings, putting the payback period at under 3 years. Energy savings from these initiatives in 2014 amounted to 3,544 MWh.

→ Emissions generated (thousand tCO₂)



REDUCING EMISSIONS GENERATED

In 2014, total CO₂ emissions in Scope 1 and 2* declined 9% on the previous year. This is 33% of the total emissions for 2007, with an overall reduction in emissions since then of 67%. Total CO₂ emissions generated by the Company amounted to 579,106 tons. One of the main reasons for this decline is the Company's ongoing commitment to buying electricity from certified renewable sources. Consumption of this energy has risen to 74% in Spain.

CALCULATING EMISSIONS GENERATED

Emissions generated are calculated according to the criteria of the GHG Protocol. The conversion factors used are those indicated by:

- The Intergovernmental Panel on Climate Change (IPCC), in the 2006 IPCC Directives for greenhouse gas inventories.

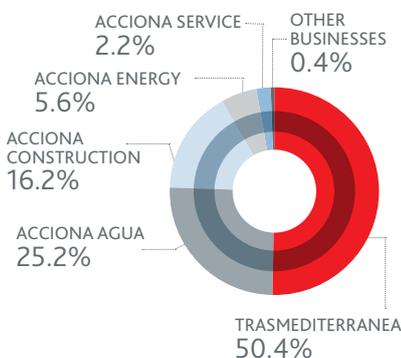
- The International Energy Agency and Red Eléctrica de España.

- The Department for Environment, Food & Rural Affairs, United Kingdom.

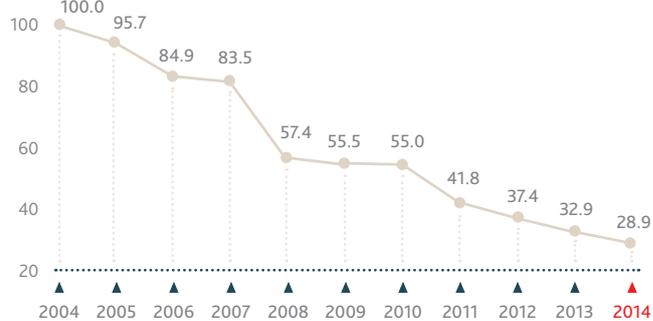
- The European Environment Agency.

For the tenth consecutive year, ACCIONA's energy intensity level has fallen, and is 7% lower than the previous year.

→ CO₂ emissions by line of business



→ CO₂ intensity index (tCO₂/sales. Baseline = 100 at 2004)



* Scope 1 - Direct emissions - Emissions from all sources owned or controlled by the reporting organization.
 Scope 2 - Indirect emissions - Emissions that result from the activities of the reporting organization but are generated at sources owned or controlled by another organization.
 Scope 3 - Other indirect emissions - Does not include GHG emissions from the generation of electricity, heat or steam that is imported and consumed by the reporting organization.

Scope 3 emissions

(tCO₂)

Category	2012	2013	2014	
Assets leased to the Company	148,222	192,609	226,499	
Assets leased by the Company	597	463	534	
Employee commutes to work	27,950	29,417	32,651	
Business trips	14,408	13,959	16,352	
Company waste	14,028	16,948	28,183	
Waste arising from products sold by the Company	131	150	181	
Suppliers: 100% of goods and services are bought from 28,000 suppliers comprising the supply chain	Products, Services and Raw Materials	178,462	515,013	912,036
	Capital goods			144,911
	Fuel consumption		81,994	
	Electricity consumption		10,828	163,885
	Transport		66,981	288,632
Total (tCO₂)³	383,799	928,363	1,813,864	

(3) Data from suppliers has been extrapolated based on the analysis of 100% of the supply chain in 2013, taking into account the difference in purchases made in 2014, at the date this Report was written.

SCOPE 3 EMISSIONS

Scope 3 emissions analyzed by ACCIONA cover the following categories: assets leased to the Company and by the Company, employee commutes to work, business trips, Company waste, waste from the products sold by the organization and suppliers of goods and services.

In 2014, the Company concluded an ambitious project to calculate the greenhouse gas emissions of its over 28,000 suppliers, making ACCIONA one of the first companies in the world to analyze the emissions of its entire supply chain. The methodology used enabled ACCIONA to quantify emissions from its direct relationship with its suppliers as well as its entire supply chain.

This exercise allowed the Company to ascertain the distribution of emissions in its purchasing activity, business units and countries. It also helped identify those 500 suppliers responsible for up to 70% of total emissions, thereby allowing ACCIONA to propose joint measures to help reduce their carbon footprint.

CO₂ EMISSIONS SUBJECT TO THE EUROPEAN UNION'S GHG EMISSION ALLOWANCE TRADING SCHEME

ACCIONA has five solar thermal facilities subject to the community emission allowance trading scheme that use natural gas as an auxiliary energy source. These facilities have the best techniques available to minimize CO₂ emissions.

Facilities subject to the EU's Emissions Trading System

Facility	Technology	Emissions verified in 2014 (t CO ₂)
Palma del Rio I	Solar thermal	400
Palma del Rio II	Solar thermal	411
Majadas	Solar thermal	2,078
Alvarado	Solar thermal	1,408
Orellana	Solar thermal	1,058
Total		5,355

OTHER EMISSIONS

In addition to lowering CO₂ emissions, in recent years we have also seen a decline in NOx and SOx emissions associated with fuel consumption due to improvements in energy consumption.

In 2014, total NOx and SOx emissions were 8,681 tons and 1,935 tons, down 4% and 5% respectively on the previous year's figure.

Similarly, the amount of sulfur hexafluoride (SF6) emitted into the atmosphere was estimated based on the inventory of the Company's equipment that contain this type of compound. In 2014, these emissions were estimated at 0.42 tons.

Lastly, ACCIONA's biogenic emissions in 2014 amounted to 422,292 tons of CO₂.

PLANS TO REDUCE ENERGY CONSUMPTION AND EMISSIONS IN ALL BUSINESS LINES

Within the framework of its Fight Against Climate Change Policy, the Company prepares plans and programs for reducing energy consumption and emissions which include two phases:

PHASE 1: Initial studies and analysis of measures to be implemented

Analysis of energy efficiency measures in ships

ACCIONA Trasmediterranea's main research area is energy efficiency. The Company participated in 4 energy efficiency projects, the most interesting of which were projects aimed at adapting fleets to new operating conditions shaped by rising fuel prices.

Using computational fluid dynamics, these projects seek to optimize consumption by redesigning the ships' hulls and propellers and studying how these interact using specific devices. These solutions could entail savings of up to 10% in fuel, with the return period on investment being less than a year in certain cases.

PHASE 2: Implementation and follow-up of measures

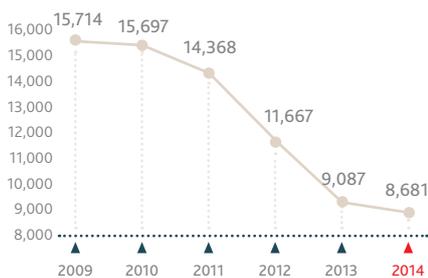
Over 6,500 tons of CO₂ avoided in construction activity

In 2014, ACCIONA Construction set itself the target of implementing at least one measure aligned with the Company's Sustainability Master Plan at all its large works and fixed centers, including energy saving initiatives.

Certain actions were therefore carried out at business centers, such as optimizing material supply and waste discharge routes, using alternative resources whose life cycle is less CO₂ intensive and optimizing facilities at hospital concessions. Over 30 measures were carried out, entailing CO₂ emission reductions of over 6,500 tons.

With these measures, savings of over 2.5 million euros were made.

→ NOx emissions
† NOx



→ SOx emissions
† SOx



SUSTAINABLE MOBILITY

In 2014, the Company's sustainable mobility endeavors focused on promoting electric mobility. Collaboration agreements were signed with two leading car manufacturers whereby ACCIONA employees are able to use these types of vehicles for business travel.

Efforts were also made to optimize mobility at the Company's centers and works, with up to 19 different initiatives carried out in 2014 to reduce truck traffic by nearly 1.5 million kilometers.

Turning to employee travel, ACCIONA saved over 3 million kilometers of car journeys by introducing regular shuttle bus services for its employees.

USE OF FLEXIBLE MECHANISMS IN THE CARBON MARKETS

ACCIONA actively participates in the development of projects associated with the fight against climate change in developing countries, and supports the transfer of clean technologies through the use of flexible mechanisms, such as the Clean Development Mechanism (CDM). In 2014, ACCIONA had 8 CDM projects in Mexico, India, Chile and Costa Rica, with nearly 750 MW of renewable installed capacity.

ACCIONA 100% EcoPowered: making a mark in Dakar, but not on nature

For the first time in its 37-year history, the Dakar Rally admitted a zero-emissions car. The ACCIONA 100% EcoPowered is the first electric car capable of participating in the world's toughest motoring event.

After two years of research, development and investigation, this vehicle is yet another example of ACCIONA's commitment to renewable energies and their resilience in the toughest of conditions.

This car is the third in a line of 100% EcoPowered vehicles ACCIONA has developed since 2011 when its kite-powered sled covered over 3,500 km to reach the South Pole. This was followed in 2012 by ACCIONA's sailing boat which took part in the *Vendée Globe* - 45,000 km, non-stop solo round the world race without consuming a single drop of fossil fuel.

The purpose of this initiative was so that ACCIONA could confirm the reliability of renewable energies as a real alternative to fossil fuels and demonstrate that innovation is the only way to find sustainable solutions to society's problems and needs.

Similarly, ACCIONA continues to take part in the voluntary carbon market through the Verified Carbon Standard (VCS) program, with 2 wind power projects in the US with a joint capacity of 255 MW.

These projects avoided over 2.2 million tons of CO₂ emissions.

VOLUNTARILY OFFSETTING OF CO₂ EMISSIONS

ACCIONA has been developing specific CO₂ emission reduction and offsetting

initiatives for its most representative events since 2011. In 2012, it began to offer its customers these services through its ACCIONA Producciones y Diseño business line. Since then, a total of 4,067 tCO₂ have been offset by using carbon credits which mostly incentivize the generation of renewable energy and sustainable development in depressed areas.

In 2014, emissions relating to 3 own events and 14 customer events were offset (305 tCO₂ offset).

Managing and treating water resources

ACCIONA, throughout its history, has been responsible for producing drinkable, purified and desalinated water for more than 70 million inhabitants worldwide. Its water management and treatment strategy is based on promoting innovative processes and solutions to anticipate and respond to the growing social demands for products and services that optimize water use and management.

WATER FOOTPRINT

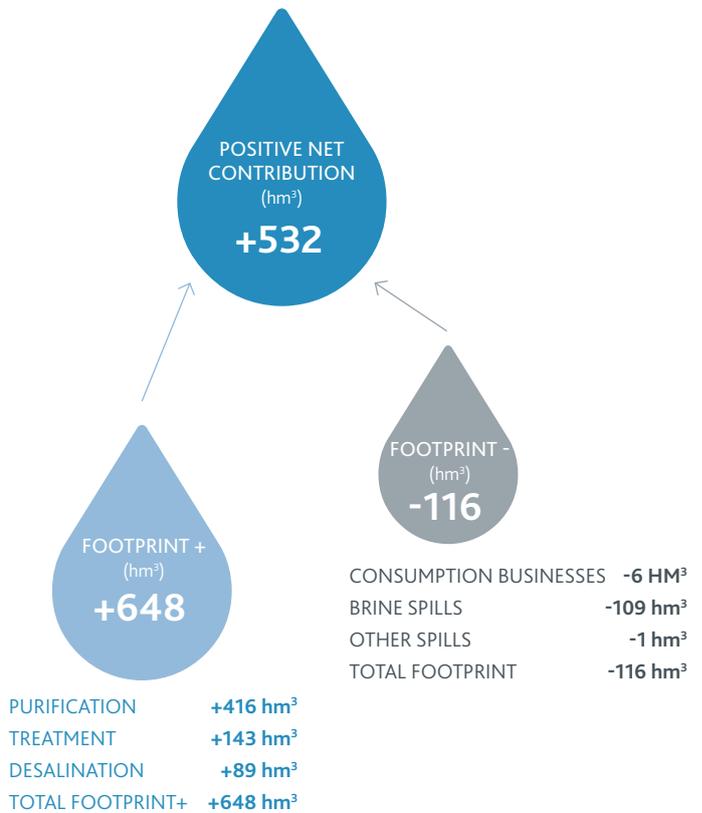
The Company calculates its water footprint based on two international methodologies: *Water Footprint and Global Water Tool* from the *World Business Council for Sustainable Development*, which consider both the impact on reserves of water resources and the change in water quality.

In 2014, ACCIONA's water footprint generated a positive impact on the planet of 532 hm³ which is equivalent to the annual consumption of a town of over 6.5 million inhabitants.

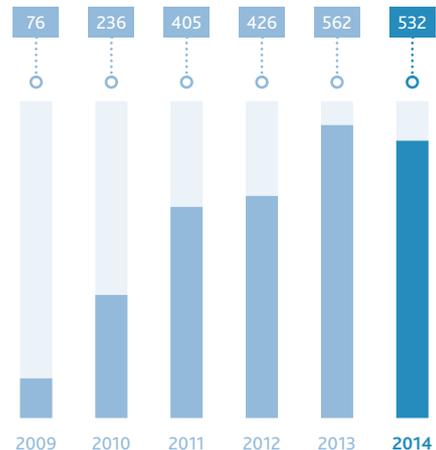
ACCIONA Agua contributes considerably to the Company's water footprint, given that water purification and treatment activities represent an improvement in the quality of the water without significantly impacting water reserves.

Over the course of the year, a total of 648 hm³ of water was desalinated, made drinkable and purified at treatment plants managed by ACCIONA.

Water consumption declined by 10.3%. ACCIONA also remains firmly committed to using recycled and reused water from tertiary networks and rainwater. This



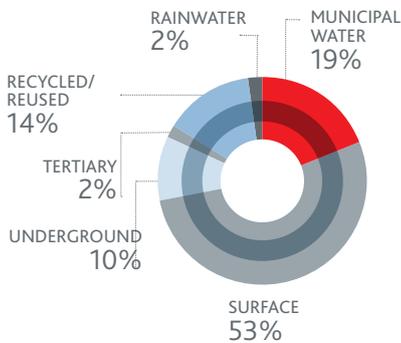
→ Positive net contribution (hm³)



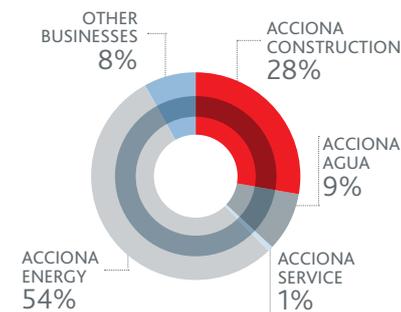
represents 17% of the Company's total consumption.

Finally, certain facilities use water but do not consume it as it is returned to its source in the same state as it was captured without significantly impacting the surrounding ecosystems. This is considered to be water transferred.

→ **Water consumption by source**



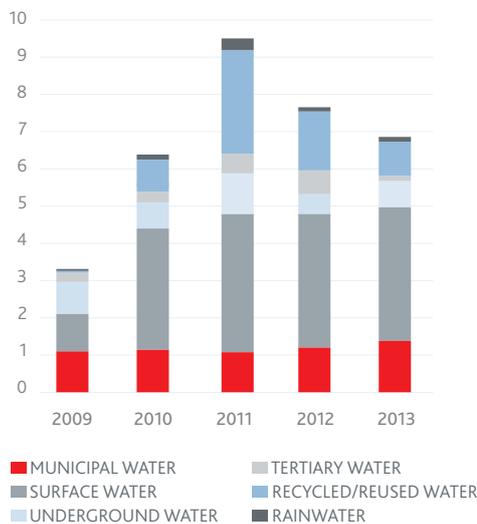
→ **Distribution of water consumption by line of business**



Volume of water managed by ACCIONA
(hm³)

Item	2011	2012	2013	2014
Desalinated water	98	121	99	89
Drinking water	35	51	133	143
Treated waste water	376	396	431	416
Total	509	568	663	648

→ **Water consumption**
hm³



Water transferred by ACCIONA
(hm³)

	2014
Surface water for refrigeration returned to source	24.9
Turbined in hydroelectric plants	33,786.3
Tertiary for refrigeration returned to headwaters in waste water treatment plants	6.1
Ground water and run-off at works	4.9
Total	33,822.2

The following actions for reducing water consumption in 2014 are noteworthy:

■ **Using recycled water in tunnel construction for the high-speed rail line in Galicia:**

ACCIONA Infrastructure, which is involved in building the section of the high-speed rail line between Vilariño and Campobeceros, was able to save over 170,000 m³ of surface water when building a rail tunnel. The use of tunnel boring machines in the excavation and laying of underground infrastructures has proven to be an efficient and safe technique. However this type of machinery uses a lot of water in the excavation and refrigeration process at the cutting head. Conscious of this fact, the Company introduced systems to store and recycle the water generated in the actual excavation process at those works where boring machines were used. This way the water is conveyed back to the *ad-hoc* storage pools where solid material is extracted and the water stored until it is needed again in a closed-loop cycle.

■ **Water saving measures in the wine business:**

Hijos de Antonio Barceló, a leading wine producer which belongs to the ACCIONA Group, consumes water to irrigate over 350 hectares of land used to grow its vines. In keeping with the Group's policy, this activity also implements measures intended to optimize water consumption such as grafting plant vines which consume less water with existing ones and using fertilizers

which help increase water retention capacity.

■ **Promoting water reuse and recycling:**

ACCIONA Agua participates in and sponsors workshops and forums aimed at disseminating and improving knowledge regarding efficient water management. Throughout the year, ACCIONA participated in the Technical Seminar on reusing water organized by specialist journal *iAgua magazine*. ACCIONA's presentation focused on the performance and improvements of reutilization treatments and explained the best techniques applied to water regeneration which ensure significant savings of resources and the availability of secure water both in terms of quantity and quality.

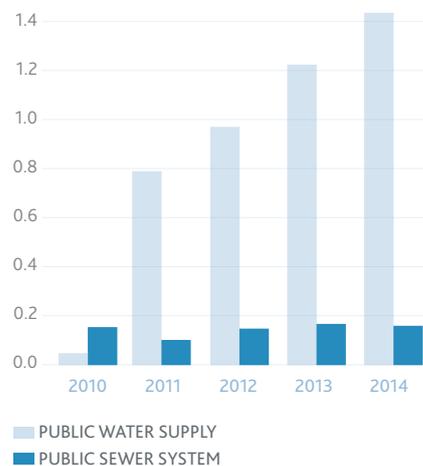
The capturing and pouring of water by the approximately 800 centers managed and/or operated by ACCIONA is carried out in accordance with the requirements contained in the corresponding administrative capture and pouring authorizations, ensuring that neither the quantity nor the quality of the water nor the associated ecosystems are affected.

DISCHARGES

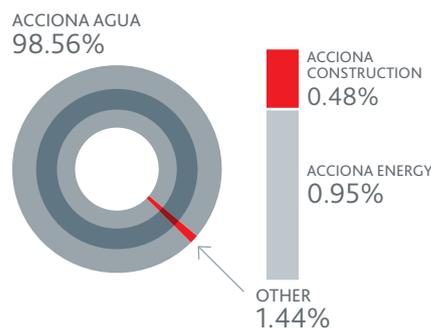
Nearly 99% of ACCIONA's discharge volume corresponds to brine from its desalination plants, with 108.6 hm³ of brine poured into the sea each year.

The discharges into the public water supply and the sewer system remained relatively constant during the year and strictly complied with the corresponding authorizations.

→ **Water discharges evolution (hm³)**



→ **Distribution of discharges by line of business**



RISKS AND OPPORTUNITIES IN THE WATER SECTOR

In its analysis of current and future risks and opportunities, ACCIONA includes risks associated with water, both at its activities and its suppliers, customers and other stakeholders. For this it uses various approximation strategies for the challenges set, and assesses aspects such as the availability and quality of the water, catastrophic meteorological events or regulatory and/or tariff changes.

It studies water consumption and the availability of water resources in countries where it is present, taking into account the scarcity of water there. The Water

Tool of the World Business Council for Sustainable Development (WBCSD), which incorporates FAO and UNESCO databases, makes it possible to determine this availability.

In those countries affected by water stress in which ACCIONA Agua operates, various lines of action have been developed aimed at minimizing water consumption, preventing operating risks arising therefrom, and promoting businesses that improve the quality and availability of water resources.

Consumption of municipal, surface and ground water in 2014

Country	Water consumption (m ³)
Spain	5,116,759
Brazil	403,470
USA	399,718
Australia	268,871
Mexico	200,341
Italy	109,258
Chile	97,598
Morocco*	55,890
Canada	42,602
Gabon	32,537
Peru	30,370
Saudi Arabia*	27,980
Poland*	23,161
Algeria*	18,550
Venezuela	12,500
Ecuador	12,389
South Africa*	11,751
Costa Rica	10,632
Sweden	3,922
Panama	2,469
India*	1,538
Colombia	827
Dominican Republic	600
Portugal	519
Andorra	270
Romania	230
Croatia	100
Greece	18

(*) Countries with water stress (<1700m³/person*year)

BRAINMEM Project: eliminating emerging pollutants in purified water

The BRAINMEM (Advanced-control MBR for wastewater reclamation) research project, led by ACCIONA Agua and financed by the EU's LIFE program (www.life-brainmem.com), focuses on research into eliminating emerging pollutants, i.e. traces of composites such as pesticides, medicines or chemical waste, which are not fully or effectively eliminated during conventional purification processes.

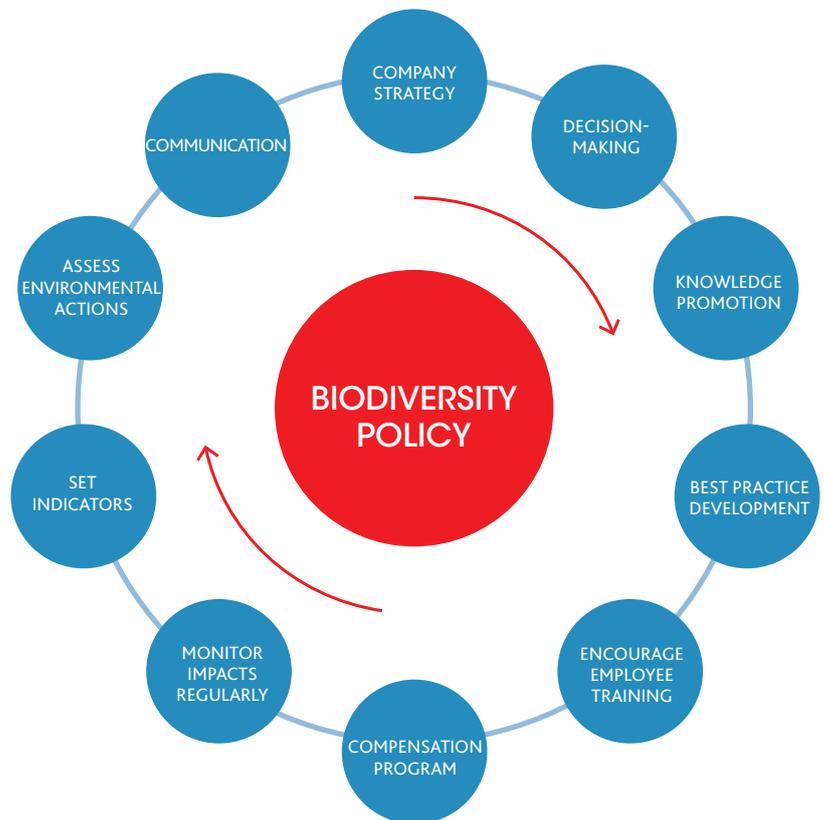
This project builds on the research carried out in this area by ACCIONA in other projects such as HYDRA, Sísifo and NANOBAC. The BRAINMEM project will look into reducing energy consumption at waste water treatment plants by applying advanced control systems, leading to consumption reductions of up to 25%.

Environmental protection and biodiversity

ACCIONA identifies and evaluates possible effects on biodiversity during the design, construction, operation and maintenance phases of its activities so as to correctly manage them. In this regard, ACCIONA has a specific Biodiversity Policy, the principles of which are continuously being developed.

During the year, its Panel of Experts continued to promote its Environmental Compensation Program with new actions within the framework of the Biodiversity Compensation and Enhancement Program, as well as monitoring and analyzing the results obtained from the initiatives begun in previous years.

It also continued to assess and advise on environmental issues specific to the various businesses and unlock the value of the unique actions carried out by ACCIONA.



Main lines of action carried out in 2014

- ACCIONA's Biodiversity Compensation and Enhancement Program.
- Identification, analysis, assessment and enhancement of environmental actions carried out by the Company's various businesses.
- Promotion of environmental communication plan by unlocking the value of the best practices carried out.
- Participation in the 2014 Best Corporate Practices in Biodiversity Management developed by the Sustainability Excellence Club.
- Collaboration with stakeholders in drawing up initiatives with public administrations, foundations, educational centers, local communities, social organizations and employees to develop conservation, awareness and research actions in the area of biodiversity.

As preventative measures, **ACCIONA works to identify the biodiversity risks arising from its activities while at the same time improving its capacity to mitigate these risks**

TREATING THE MAIN RISKS AND OPPORTUNITIES ASSOCIATED WITH BIODIVERSITY

ACCIONA is aware that biodiversity itself is a key and valuable natural resource. ACCIONA's activities depend on products and services from local, regional and/or global ecosystems and, therefore, their degradation entails an economic risk for the Company, as well as new business opportunities.

As preventative measures, ACCIONA works to identify the biodiversity risks arising from its activities while at the same time improving its capacity to mitigate these risks. The risk analyses serve as a tool to anticipate possible impacts on biodiversity by determining and implementing prevention, control and mitigation measures, which may be incorporated into the management of the projects.

The main risks associated with biodiversity are managed by selecting the sites of the facilities, controlling the construction procedures and adopting preventative and correction measures in order to reduce the impact of these risks. A control and oversight plan is in place in the majority of the projects and facilities in operation which allows the Company to carry out adequate environmental follow-ups, establishing an action protocol for cases in which any complications may arise.

ACCIONA Service is involved in restoring and **improving the habitat of high mountain wetlands** which are degraded, fragile or at risk of disappearing

UNIQUE BIODIVERSITY ACTIONS BY BUSINESS LINE

ACCIONA analyzes the environment before choosing the final location of its activities or projects so the environment is affected as little as possible.

The Company works with experts in the various areas and a complete environmental surveillance plan is established which controls the implementation of preventative and corrective measures assigned to the project.

The main actions carried out in 2014 to preserve the biodiversity include the following:

Environmental awareness campaigns: Controlling pests and invasive species. ACCIONA Construction. Australia.

The **BEST** (*Building Environmental Sustainability Together*) environmental awareness program was drawn up. These actions were launched under the "*BEST*

commitment of all" slogan and are based around the need for all employees and subcontracted personnel to be trained in the most important environmental aspects of all the projects carried out in the country.

One of the most important aspects of projects in Australia is the control of pests and invasive species. Therefore a fully comprehensive action protocol has been drawn up for invasive species as part of the Environmental Management Plans for all works ACCIONA Construction carries out there.

Recovery and restoration of high mountain wetlands in the Fuentes Carrionas y Fuente Cobre Natural Park – Palencia. ACCIONA Service. Spain.

ACCIONA Service is involved in restoring and improving the habitat of high mountain wetlands which are degraded, fragile or at risk of disappearing.

All of the actions are being carried out in the Fuentes Carrionas y Fuente Cobre Natural Park in Palencia, apart from actions in the forests of Ligüerzana. The whole Natural Park is a designated site of community importance (SCI) in the Natura 2000 Network while Fuentes Carrionas y Fuente Cobre – Palencia is a special protection area for birds (SPAB).

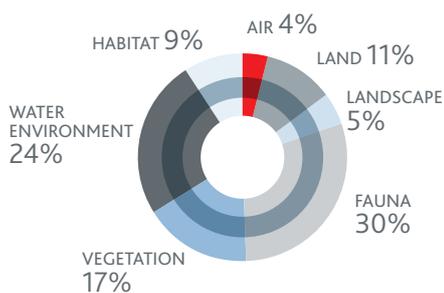
The bodies of water where work is being carried out are very deteriorated and are commonly used for landfill or as watering holes. This seriously affects the availability of water for the final reproduction stages of the resident amphibian population. Various natural pools with high iron content have been created which are also subject to recovery efforts.

Various endangered amphibian species, which are included in the IUCN Red List of Threatened Species, also inhabit the area and are included in the conservation work.

FACILITIES IN AREAS WITH HIGH BIODIVERSITY VALUE

In 2014, ACCIONA identified and assessed the most significant impacts at each of its facilities located adjacent to or within protected areas and unprotected areas with high biodiversity value. The evaluation took into account the species affected, the surface area of the facility within the protected area, the duration of the impacts, and whether they were reversible or irreversible.

→ Nature of the impacts



Surface area of facilities with high impact on biodiversity

Surface area of facility within protected area (ha)	No. facilities affected
970.98	19

Facilities in areas with high biodiversity value

Lines of business	No. of facilities in protected areas and unprotected areas with high biodiversity value	Surface area of facilities in protected areas and unprotected areas with high biodiversity value (Ha)	No. of facilities adjacent to protected areas and unprotected areas with high biodiversity value
ACCIONA Energy	142	563.15	1
ACCIONA Agua	29	42.16	25
ACCIONA Construction	29	1,189.96	22
ACCIONA Service	12	6,734.02	0
OTHER	11	25.61	0
Total	223	8,559.90	48

Number of protected species affected by ACCIONA's facilities in 2014

Protection category. IUCN Red List	No. of species
CR Critically endangered	1
EN Endangered	8
VU Vulnerable	15
NT Near threatened	22
LC Least concern	96
Total	142



RESTORATION AND PROTECTION OF HABITATS

In 2014, ACCIONA protected and restored around 10,000 hectares in the areas surrounding its projects and, in virtually all cases, the success of the measures carried out was verified by external professionals (environmental administration, environmental consultants, environmental agents, etc.).

The plantings carried out by ACCIONA in 2014 absorbed more than 2,500 tons of CO₂/year⁴, equivalent to the CO₂ emissions produced by the use of 1,100 cars.

BIODIVERSITY COMPENSATION AND ENHANCEMENT PROGRAM

Within the framework of ACCIONA's 4 specific environmental policies, in 2014 work continued on the Biodiversity Compensation and Enhancement Program. This program involves designing and carrying out volunteering initiatives which go beyond administrative environmental obligations, aimed at promoting the protection and conservation of fauna, flora and ecosystems as a means of increasing the population of species directly or indirectly affected by the Company's activities. These actions encouraging biodiversity and social progress can bring about a real difference and highlight ACCIONA's commitment to sustainability.

■ Creating a new ecosystem (wetland) using renewable energies:

ACCIONA, in collaboration with the Foundation for Research in Ethology and Biodiversity (FREB), has regenerated a

river ecosystem by creating a wetland and repopulating neighboring woods. This has brought about the recovery of an environmentally degraded area in the province of Toledo, creating a refuge for birds, reptiles and amphibians and a new resting place for migratory birds crossing the Peninsula.

Over 10,000m² of degraded land was recovered, 500m² of which is a lagoon while the rest is a wood which has been repopulated with 350 indigenous trees such as ash and poplars.

■ Construction and placement of nesting boxes for protected species at the Atotonilco waste water treatment plant, Mexico:

Based on previous experience in Spain, nesting boxes for local protected species were placed around the Atotonilco wastewater treatment plant in the State of Hidalgo, Mexico, which is one of Mexico City's main water purification plants.

The Peque Jesús Integrated Center for Special Education in San Atotonilco de Tula, which is managed by the civil association *Buscando Sonrisas* was responsible for constructing these nesting boxes. This association provides young people with disabilities with work and training.

Given the large area occupied by the wastewater treatment plant, a total of 40 nesting boxes will be installed. Around a quarter of these have already been installed on top of existing supports and posts around the facility.

(4) Source: "Carbon Sinks" Climate Change Office of the Ministry of Environment. Considering the maritime pine (*Pinus pinaster*) as the typical tree, and based on the assumption that bushes absorb one-tenth as much as a tree.

Sustainable resource use and waste management

So as to minimize the generation of waste and use of natural resources, in its activities ACCIONA incorporates methodologies, processes, technologies and benchmark best practices in the field of waste management, reuse and recycling.

Similarly, the Company advocates the use of tools to assess its impacts on the entire value chain and to select those products and processes that most respect the environment.

Consumption and efficiency

		2010		2011		2012		2013		2014	
		Consumption	Efficiency								
ACCIONA Construction											
Wood	t	10,744	0.00	9,268	0.00	2,263	0.00	120,576	0.04	75,563	0.03
Land reused from another project	m ³	1,551,146	0.50	535,811	0.15	1,607,840	0.48	934,014	0.34	858,448	0.33
Concrete and mortar	m ³	1,988,732	0.64	2,467,067	0.70	2,046,521	0.62	1,807,898	0.66	1,483,011	0.56
Cement	t	122,910	0.04	268,522	0.08	213,455	0.06	232,867	0.09	253,786	0.10
Aggregates and breakwaters (natural)	t	9,027,617	2.89	18,400,079	5.22	10,710,985	3.00	6,337,446	2.32	7,031,239	2.67
Aggregates from recycled material	t	271,830	0.09	571,770	0.16	253,391	0.08	469,752	0.17	394,783	0.15
Steel	t	808,122	0.26	713,598	0.20	443,879	0.13	291,406	0.11	188,610	0.07
ACCIONA Energy											
Biomass (biomass)	t	196,224	0.13	374,690	0.23	376,346	0.18	389,752	0.18	334,362	0.15
Sodium hydroxide	l	81,026	0.05	152,329	0.09	199,158	0.09	43,663	0.02	25,109	0.01
Sodium hypochlorite	l	70,997	0.05	229,704	0.14	252,150	0.12	80,203	0.04	51,375	0.02
Hydrochloric acid	l	1,370,329	0.92	576,801	0.35	235,716	0.11	79,609	0.04	56,858	0.03
HTF (Solar thermal)	kg	-	-	49,640	0.03	131,302	0.06	53,080	0.03	49,008	0.02
ACCIONA Agua											
Sulphuric acid	l	1,047,132	1.43	729,311	1.05	597,042	1.18	140,844	0.24	306,546	0.75
Sodium hydroxide	l	99,144	0.14	167,849	0.24	274,718	0.54	372,671	0.64	854,495	2.09
Sodium hypochlorite	kg	1,412,974	1.93	1,132,750	1.63	1,395,669	2.76	1,440,012	2.46	3,877,666	9.47
Polyelectrolyte	kg	185,893	0.25	292,558	0.42	379,487	0.75	366,699	0.63	530,277	1.30
Calcium hydroxide	kg	787,962	1.08	937,780	1.35	963,025	1.90	872,752	1.49	1,428,961	3.49
Carbon dioxide	kg	875,389	1.20	871,627	1.25	796,242	1.57	566,271	0.97	3,430,505	8.38
Alumina sulphate	kg	240,721	0.33	511,839	0.73	1,208,309	2.39	1,463,370	2.50	1,718,673	4.20
ACCIONA Service											
Oils	l	-	-	-	-	-	-	37,123	0.06	44,189	0.06
Non-chemical cleaning consumables	kg	-	-	-	-	-	-	34,700	0.05	107,053	0.15
Chemical cleaning consumables	kg	-	-	-	-	-	-	26,489	0.04	262,334	0.38

MINIMIZING WASTE GENERATION THROUGH REUSE AND RECYCLING

As part of its Environmental Policy, ACCIONA carries out the necessary management and actions to prevent waste being generated. The Company carries out actions to prevent, reuse, recycle and/or recover its waste as priority actions prior to its elimination. In this regard, some of the measures carried out include:

- Reusing the 250,000 m³ of blasting material from the A-33 highway. By doing so, not only were natural resources better used but no debris had to be sent to landfill, meaning significant savings in both energy and atmospheric emissions.
- Recovery of all waste (slag and ash) generated at biomass plants during electricity generation. In 2014, one of ACCIONA's plants managed to reclassify the ash generated from waste to a byproduct. In total, 26,945 tons of waste which would have been sent to landfill were used.
- Optimizing the mechanical-biological treatment process to recover 7.5% of recoverable materials and 40% of organic matter used in generating over 9,000 MWh of biogas at the Botarell plant in Tarragona.

Waste generation

(†)

	2010	2011	2012	2013	2014
ACCIONA Energy					
Non-hazardous waste	9,177	30,997	26,018	35,059	28,619
Hazardous waste	733	2,581	1,450	1,015	1,739
ACCIONA Agua					
Non-hazardous waste	144,679	190,115	251,761	183,179	362,903
Hazardous waste	33	35	39	46	51
ACCIONA Construction					
Non-hazardous waste: Earth and debris	14,944,551	9,487,644	7,914,619	6,767,742	15,766,795
Non-hazardous waste: Other	7,035	9,007	7,938	6,516	10,471
Hazardous waste	269	195	185	170	329
ACCIONA Service					
Non-hazardous waste	N/A	N/A	N/A	13,617	16,846
Hazardous waste	N/A	N/A	N/A	15,403	5,494
Other businesses					
Non-hazardous waste	10,051	7,574	7,141	6,602	6,856
Hazardous waste	8,489	8,232	7,669	6,116	4,926

LIFE-CYCLE ANALYSIS

The Company has undertaken various life-cycle analysis projects, including:

- LCA of its own bioremediation technology for soils using micro-organisms.
- LCA of an extrusion process and a new material to manufacture tiles.
- LCA of an insulation panel with *Phase Change Materials* (PCMs).
- LCA of a floating dock.

PREVENTION AND CONTROL OF SIGNIFICANT ACCIDENTAL SPILLS

ACCIONA adopts the measures necessary to prevent, control and minimize accidental spills through incident information systems and plans to minimize the risk of discharges.

In 2014, the Company recorded 7 incidents that entailed significant spills⁵ with a total volume of 117 m³. All cases were satisfactorily resolved by adopting the corrective and compensatory measures necessary to rectify the situation.



Management of non-hazardous waste

(%)

	2012			2013			2014		
	Landfill	Recycling	Reuse	Landfill	Recycling	Reuse	Landfill	Recycling	Reuse
Debris	51	44	5	82	13	6	62	15	23
Wood	16	72	12	28	63	9	16	29	54
Metals	6	90	4	4	95	1	1	95	4
Plastics	42	56	2	27	67	6	37	63	0
Land	50	-	50	52	-	48	60	-	40

(5) A "significant spill" is defined as that which causes damage to the environment outside the facility or represents a significant risk that must be reported to the Administration.

Sustainable construction and efficient building management

ACCIONA places great emphasis on minimizing the environmental impact during the life cycle of its sustainable construction and efficient management projects for buildings.

SUSTAINABLE OFFICE MANAGEMENT PLAN

In 2014, the plan focused on specific actions at buildings to comply with the targets set to reduce energy consumption and CO₂ emissions by 15% and water consumption by 7%. Some of the measures carried out by the Company include:

- Replacing lighting at ACCIONA Agua's head office with low consumption and LED luminaires.
- Optimizing the HVAC control system at ACCIONA Service's head office.
- Improving thermal insulation at ACCIONA Construction's R&D and Innovation center.

LEED GOLD certification for ACCIONA Agua's offices in Caceres

ACCIONA Agua's offices in Caceres received *LEED Gold certification for green buildings*, as they were specially designed and constructed to meet this standard's strict criteria.

The latest techniques are applied to these buildings, in an effort to achieve more sustainable, environmentally-friendly designs. Materials and techniques are chosen for their low environmental impact in terms of pollution and consumption of non-renewable energy sources.

An efficient use of water and energy are two of the most important factors when defining whether or not a building is sustainable. Therefore, very low consumption faucets and cisterns were used, which can help save up to 40% of water. The building was also constructed to take advantage of natural light and to ensure an adequate insulation. These measures helped cut energy consumption by up to 25% compared to a traditional office building.

- Energy audit at the Madrid offices of ACCIONA Construction.

These initiatives resulted in energy savings of 6% and water savings of 1.5%, all thanks to awareness campaigns and

ACCIONA's Sustainable Office Management Plan stresses importance of meeting energy consumption and CO₂ reduction targets

improved maintenance at the Company's installations. On average, in 2014 the energy consumption, CO₂ emissions and water consumption per square meter of the offices amounted to 197 kWh/m², 21 kg CO₂/m², 0.5 m³/m², respectively.

ECO-EFFICIENT CONSTRUCTION

ACCIONA takes part in sustainability certification projects in construction, such as LEED and BREEAM. These programs allow the buildings' managers to obtain a quantifiable accreditation of their commitment to sustainability, acquire precise knowledge of how a building performs and configure a framework or guidelines for future initiatives. The advantages of implementing these are studied on a case by case basis.

ACCIONA participated in 11 projects of this type and continues working on another 3 to certify their sustainability.

Innovation in construction – self-repairing materials

ACCIONA actively participates in the SHINE research project to obtain self-repairing materials. These materials must have the same structural properties as conventional materials and are able to heal themselves without human intervention.

This project which began in 2013 and is due to conclude in 2017, investigates the use of self-repairing elastomers for dynamic seals and vibration and noise abatement systems used in machinery, bridges, railroads and roads. The project aims to increase the useful life of products and reduce maintenance and refurbishment work.

Breaches and environmental penalties

The following environmental incidents resulting in fines and sanctions occurred in 2014:

Number and amount of environmental sanctions handled in 2014

	No. sanctions handled	No. sanctions opened	No. sanctions closed	Amount total sanctions (€)
ACCIONA Agua	8	1	7	4,479
ACCIONA Energy	14	9	5	9,638
ACCIONA Construction	53	29	24	33,364
ACCIONA Service	1	0	1	0
ACCIONA Trasmediterranea	3	1	2	365
Hijos de Antonio Barceló	0	0	0	0
Total	79	40	39	47,845

Of the total amount of sanctions closed in 2014, there were 3 in excess of 5,000 euros, namely: 8,638 euros (ACCIONA Energy) and 12,039 euros and 7,200 euros (ACCIONA Construction).

In 2014, ACCIONA had 21 facilities in protected and non-protected areas **with high biodiversity value** in Spain and 11 in the rest of the world

Facilities in protected areas and unprotected areas with high biodiversity value in 2014

Facility	Protected Area (PA) affected by the facilities	Geographical location
Lineal infrastructures (roads) (3)	Park	Australia
Seawater desalination facility (1)	SAC	USA
Water purification plant (1)	NP	Australia
Wastewater treatment plants (1)	NP	Italy
Lineal infrastructures (roads) (3)	PPA, Estadual da Cantareira Park, Paraíba do Sul Hydrographic River Basin - PPA	Brazil
Port (1)	Protected marine areas	Brazil
Lineal infrastructures (roads) (1)	NP	Gabon
Infrastructures buildings (3) and lineal (roads) (1)	Area of protected flora and fauna, NP, NR	Mexico
Improvement actions on roads (2)	SCI, HCI	Spain
Photovoltaic (1)	SPA, SCI	Spain
Lineal infrastructures (tunnel) (1)	PL, SCI	Spain
Dam (1)	SCI	Spain
Lineal infrastructures (roads) (18)	SAC, SPA, SCI, HCI, PL, NP, NR, SEPP, SPEPP, ACI	Spain
Electricity line (6)	SCI, SPEEP, SPA	Spain
Building infrastructures (1)	SCI	Spain
Maintenance (3)	SPA, SCI, NP	Spain
Wind farm (45)	SCI, SPA, ACI, NM, SPEEP, NP	Spain
Habitat improvement (6)	Ramsar, NP, SPA, MN	Spain
Forestry treatment (4)	SPA, SCI, NP	Spain
Waste water treatment plants (22)	SPA, SCI, PL, NP, NR, Ramsar, ACI	Spain
Batch III WWTPs	SCI	Spain
Batch V WWTPs	SPA, SCI	Spain
Media Pirineos WWTP	SPA, SCI	Spain
Priorat WWTP	SPA, SCI	Spain
Cañón del Río Lobos WWTP	NP	Spain
Pumping station (15)	NP	Spain
Seawater desalination facility (4)	SPA, SCI, PL, NP, NR, Ramsar	Spain
Comprehensive service (3)	SPA, SCI	Spain
Water purification plant (2)	SCI	Spain
Wind farm (2)	GR2320007	Greece
Wind farm (3)	Ramsar	Canada
Wind farm (1)	Native Grasslands	USA

SAC: Special Area of Conservation; SPA: Special Protection Area for birds; SCI: Site of Community Importance; BR: Biosphere Reserve; IBA: Important Bird Area; HCI: Natural Habitat of Community Interest; NR: Natural Reserve; NP: Natural Park; PL: Protected Landscape; NM: Natural Monument; SEPP: Special Environmental Protection Plan; NRMP: Natural Resource Management Plan; SPEEP: Special Physical Environment Protection Plan; PPA: Permanent Protection Area; ACI: Asset of Cultural Interest.