





E3.5.1 Report of the evaluation of the LCE strategies implementation

March 2019

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Executive Summary

This deliverable **3.5.1**, **titled** "Report of the evaluation of the LCE strategies implementation", is part of the Activity 3.5 – Progress evaluation, and it contributes towards the objectives of the products of the WP3 - Implementation of a methodology conducting to a low carbon economy in **35** pilot schools.

The aim of this to evaluate the work progress and quantify the success achieved for each LCE strategy. In order to do that, the real environmental performance in pilot schools is assessed after the implementation of LCE action plans to obtain the real operating results.

The results from the current energy and environment audits will be uploaded in the ClimACT Decision Support Tool to assess the variation of KPI from the initial stage and the new position of the school in the ranking.

Glossary

Acronym	Full name
DH	Percentage of discomfort hours (%)
DHW	Domestic Hot Water
ED	Annual energy demand (kWh/m² a)
EER	Energy Efficiency Ratio
FEC	Final energy consumption (kWh/m² a)
HVAC&R	Heating, Ventilation, Air Conditioning and Refrigeration
IAQ	Indoor Air Quality
KPI	Key Performance Indicator
LCE	Low Carbon Economy
PEC	Primary energy consumption (kWh/m² a)
Т	Temperature
O&M	Operation and Maintenance

Introduction

Acting for the transition to a low-carbon economy in schools, the objective of the present document is to report the performance of actions implemented in ClimACT pilot Schools towards a low-carbon economy retrofitting of school buildings.

This deliverable involves a final report of the school improvement at the end of the project, which provides a comparison of KPIs and sectors with the initial environmental performance, with the aim of following-up of activities carried out in each school.

Environmental performance of each sector, defined in Table1, was assessed through new audits and surveys in schools in order to obtain resources consumption and associated costs and CO2 emissions.

Table 1 – Environmental sectors, leaders and participants

Sector	Leader	Participants
Energy	ISQ	EDGR, USE
Water	ISQ	IST
Waste	ISQ	IST
Transport	IST	UniGib
IAQ	ULR	IST
Green Space	IST	VLR
Green Procurement	IST	UniGib

The follow-up reports per school are provide as follows, being divided by region: Portugal, Spain, France and Gibraltar.







FOLLOW-UP REPORT. COMPARISON WITH INITIAL PERFORMANCE

- Escola EB 2,3 General Humberto Delgado -



FOR A LOW CARBON ECONOMY

JUNE 2019



This report provides a comparison with the initial environmental performance of school, with the aim of following-up of activities carried out in school. Environmental and energy performance was assessed based on audits and surveys in schools in order to reduce resources consumption and respective associated costs and CO₂ emissions.

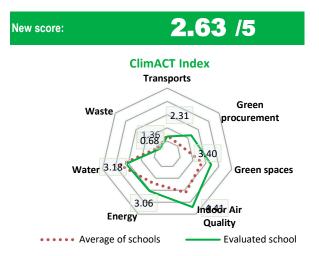
TRANSPORTS	Transports sector survey analysed the users' behaviour based on the transport mode used in the home-school path, quantifying the $\rm CO_2$ emissions associated, and also based in the quantification of different parking spaces (disable, electric and bicycle) in schools, and the transports access and availability nearby schools.
GREEN PROCUREMENT	Green procurement audits evaluated the negative environmental impact of products and services acquired by the school. This analyses was based on electric and electronic equipment labelling, consumption of recycled paper, training in green procurement and eco-driving, and preference for food with biological certificate and local suppliers.
GREEN SPACES	Green areas have a huge influence in CO_2 emissions and sequestration. Green spaces audits analysed and quantified the green areas, the CO_2 sequestration, the use of chemists and resources consumption associated to the green areas maintenance, and the CO_2 emissions.
INDOOR AIR QUALITY	IAQ and comfort audits were performed based on measurements in selected rooms to be representative of the building in terms of size, number of occupants and activities, furnishings or equipment that can release pollutants to the indoor air. Main indoor and outdoor pollutants were identified and analysed.
ENERGY 4	Energy audits evaluated the energy consumption of the schools of the last three years (2014, 2015, and 2016), and its ${\rm CO_2}$ emissions associated.
WATER	Water audits identified how much water was being consumed in schools for each use or sector, based on measurements and water losses and leakages, for the last three years (2014, 2015, and 2016), and its CO_2 emissions associated.
WASTE	Waste audits quantified the volume of waste produced, recycled and reused in schools, divided in categories: waste disposed, waste composted-organic, waste reused and waste recycled. It is to develop sustainable waste management practices.



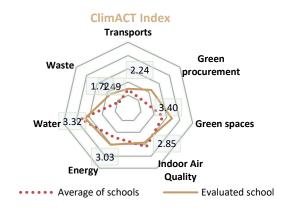
The follow-up comparison of environmental performance of school is as follows:

UPDATED RESULTS (0-5)

PREVIOUS RESULTS (0-5)







Sector	Results	Deviation
Transports	1.36	- 0.13
Green procurement	2.31	+0.07
Green spaces	3.40	→ +0.01
Indoor Air Quality	4.41	1.55
Energy	3.06	+0.03
Water	3.18	-0.14
Waste	0.68	⊎ -1.04

Sector	Initial results	Average of schools
Transports	1.49	1.42
Green procurement	2.24	1.19
Green spaces	3.40	2.70
Indoor Air Quality	2.85	3.20
Energy	3.03	2.41
Water	3.32	3.65
Waste	1.72	0.83





The follow-up comparison with regard to the breakdown of indicators per environmental sector is the following:

UPDATED RESULTS (0-5)

PREVIOUS RESULTS (0-5)

Transports	Results		Deviation	Initial results	Average of schools
Parking	0.1	1	+0.11	0.0	0.6
Public transports	0.4	-	0.00	0.4	0.6
CO ₂ emissions	3.1	Ψ	- 0.45	3.5	2.9
Total transport	1.4	•	-0.13	1.5	1.5
Green procurement	Results		Deviation	Initial results	Average of schools
Equipment	3.7	1	+0.09	3.6	0.9
Paper	2.4	1	+0.19	2.2	2.0
Training	0.0	-	0.00	0.0	0.1
Eco-driving	0.0	-	0.00	0.0	0.0
Food	0.0	-	0.00	0.0	0.2
Suppliers	3.0	•	-0.75	3.8	1.0
Total	2.3	1	+0.07	2.2	1.3
Green spaces	Results		Deviation	Initial results	Average of schools
Green areas	1.3	介	+0.02	1.3	1.0
Usage of chemicals	5.0	→	0.00	5.0	4.6
CO ₂ sequestration	2.3	-	+0.01	2.3	0.7
CO ₂ emissions	5.0	-	+0.00	5.0	4.6
Total	3.4	⇒	+0.01	3.4	2.7
Indoor Air Quality	Results		Deviation	Initial results	Average of schools
Air pollutants	4.4	1	+0.16	4.2	4.0
Ventilation	4.3	→	0.00	4.3	3.4
Thermal comfort	4.5	1	+4.50	0.0	3.2
Total	4.4	<u>_</u>	+1.55	2.9	3.5
Energy	Results		Deviation	Initial results	Average of schools
Energy consumption	4.6	1	+0.06	4.6	3.4
Energy cost	4.2	•	-0.04	4.2	3.8
Renewable energy	0.0	-	0.00	0.0	0.2
CO ₂ emissions	3.4	1	+0.09	3.3	2.4
Total	3.1	1	+0.03	3.0	2.5
Water	Results		Deviation	Initial results	Average of schools
Water consumption/m ²	3.3	1	+0.16	3.2	4.1
Water consumption/student	3.7	<u> </u>	-0.16	3.8	4.4
Water cost/m ²	3.2	Ť	-0.23	3.5	3.7
Water cost/student	2.5	Ť	-0.33	2.8	3.6
Total	3.2	Ψ	-0.14	3.3	4.0
Waste	Results		Deviation	Initial results	Average of schools
Waste produced	0.4	Ψ	-1.84	2.3	2.2
Waste recycled	1.8	Ţ	-0.46	2.3	0.9
Waste reused	0.0	→	0.00	0.0	0.5





FOLLOW-UP REPORT. COMPARISON WITH INITIAL PERFORMANCE

- Escola EB1 Prior Velho -



FOR A LOW CARBON ECONOMY

JUNE 2019



This report provides a comparison with the initial environmental performance of school, with the aim of following-up of activities carried out in school. Environmental and energy performance was assessed based on audits and surveys in schools in order to reduce resources consumption and respective associated costs and CO₂ emissions.

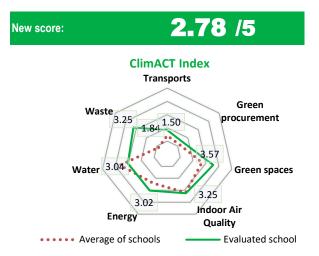
TRANSPORTS	Transports sector survey analysed the users' behaviour based on the transport mode used in the home-school path, quantifying the $\rm CO_2$ emissions associated, and also based in the quantification of different parking spaces (disable, electric and bicycle) in schools, and the transports access and availability nearby schools.
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INDOOR AIR QUALITY	IAQ and comfort audits were performed based on measurements in selected rooms to be representative of the building in terms of size, number of occupants and activities, furnishings or equipment that can release pollutants to the indoor air. Main indoor and outdoor pollutants were identified and analysed.
ENERGY	Energy audits evaluated the energy consumption of the schools of the last three years (2014, 2015, and 2016), and its ${\rm CO_2}$ emissions associated.
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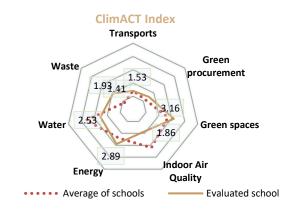
The follow-up comparison of environmental performance of school is as follows:

UPDATED RESULTS (0-5)

PREVIOUS RESULTS (0-5)







Sector	Results	Deviation
Transports	1.84	+0.43
Green procurement	1.50	-0.03
Green spaces	3.57	1 +0.41
Indoor Air Quality	3.25	1.40
Energy	3.02	1 +0.14
Water	3.04	1 +0.51
Waste	3.25	1.32

Sector	Initial results	Average of schools
Transports	1.41	1.42
Green procurement	1.53	1.19
Green spaces	3.16	2.70
Indoor Air Quality	1.86	3.20
Energy	2.89	2.41
Water	2.53	3.65
Waste	1.93	0.83





The follow-up comparison with regard to the breakdown of indicators per environmental sector is the following:

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UPDATED RESULTS (0-5) PREVIOUS RESULTS (0-5)

Transports	Results		Deviation	Initial results	Average of schools
Parking	0.0	\Rightarrow	0.00	0.0	0.6
Public transports	1.1	\Rightarrow	0.00	1.1	0.6
CO ₂ emissions	4.0	1	+ 1.08	2.9	2.9
Total transport	1.8	1	+0.43	1.4	1.5
Green procurement	Results		Deviation	Initial results	Average of schools
Equipment	1.1	⇒	0.00	1.1	0.9
Paper	2.4	4	-0.05	2.5	2.0
Training	0.0		0.00	0.0	0.1
Eco-driving	0.0	-	0.00	0.0	0.0
Food	0.0	\Rightarrow	0.00	0.0	0.2
Suppliers	0.0	\Rightarrow	0.00	0.0	1.0
Total	1.5	Ψ	-0.03	1.5	1.3
Green spaces	Results		Deviation	Initial results	Average of schools
Green areas	2.8	-	0.00	2.8	1.0
Usage of chemicals	5.0	\Rightarrow	0.00	5.0	4.6
CO ₂ sequestration	1.5	->	0.00	1.5	0.7
CO ₂ emissions	5.0	1	+1.64	3.4	4.6
Total	3.6	1	+0.41	3.2	2.7
Indoor Air Quality	Results		Deviation	Initial results	Average of schools
Air pollutants	3.9	Ψ.	-0.31	4.2	4.0
Ventilation	1.3	→	0.00	1.3	3.4
Thermal comfort	4.5	1	+4.50	0.0	3.2
Total	3.3	— ↑	+1.40	1.9	3.5
Energy	Results		Deviation	Initial results	Average of schools
Energy consumption	4.5	1	+0.10	4.4	3.4
Energy cost	4.0	1	+0.19	3.8	3.8
Renewable energy	0.1	•	-0.00	0.1	0.2
CO ₂ emissions	3.5	1	+0.26	3.2	2.4
Total	3.0	1	+0.14	2.9	2.5
Water	Results		Deviation	Initial results	Average of schools
Water consumption/m ²	3.0	1	+1.49	1.5	4.1
Water consumption/student	4.0	<u></u>	+0.39	3.6	4.4
Water cost/m ²	2.4	•	+0.09	2.3	3.7
Water cost/student	2.7	1	+0.08	2.6	3.6
Total	3.0	1	+0.51	2.5	4.0
Waste	Results		Deviation	Initial results	Average of schools
Waste produced	4.4	介	+3.52	0.9	2.2
•					0.9
Waste recycled	3.3		0.00	5.5	0.9
Waste recycled Waste reused	3.3 0.9	→	0.00 -1.77	3.3 2.7	0.5





FOLLOW-UP REPORT. COMPARISON WITH INITIAL PERFORMANCE

- Escola EB 2,3 Maria Veleda -



FOR A LOW CARBON ECONOMY

JUNE 2019



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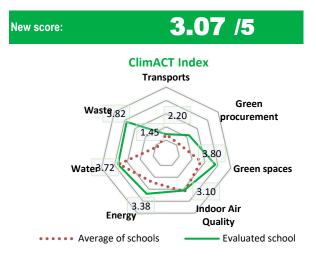
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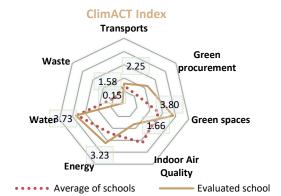
The follow-up comparison of environmental performance of school is as follows:

UPDATED RESULTS (0-5)

PREVIOUS RESULTS (0-5)







Sector	Results	Deviation
Transports	1.45	-0.13
Green procurement	2.20	- 0.05
Green spaces	3.80	→ 0.00
Indoor Air Quality	3.10	1.45
Energy	3.38	1 +0.14
Water	3.72	-0.01
Waste	3.82	1 +3.66

Sector	Initial results	Average of schools
Transports	1.58	1.42
Green procurement	2.25	1.19
Green spaces	3.80	2.70
Indoor Air Quality	1.66	3.20
Energy	3.23	2.41
Water	3.73	3.65
Waste	0.15	0.83





The follow-up comparison with regard to the breakdown of indicators per environmental sector is the following:

UPDATED RESULTS (0-5) PREVIOUS RESULTS (0-5)

Transports	Results		Deviation	Initial results	Average of schools
Parking	0.0	-	0.00	0.0	0.6
Public transports	0.9		0.00	0.9	0.6
CO ₂ emissions	3.2	Ψ	- 0.32	3.5	2.9
Total transport	1.5	4	-0.13	1.6	1.5
Green procurement	Results		Deviation	Initial results	Average of schools
Equipment	3.6	→	0.00	3.6	0.9
Paper	2.4	•	-0.10	2.5	2.0
Training	0.0		0.00	0.0	0.1
Eco-driving	0.0	->	0.00	0.0	0.0
Food	0.0	->	0.00	0.0	0.2
Suppliers	1.7	>	0.00	1.7	1.0
Total	2.2	Ψ	-0.05	2.3	1.3
Green spaces	Results		Deviation	Initial results	Average of schools
Green areas	1.8	→	0.00	1.8	1.0
Usage of chemicals	5.0	-	0.00	5.0	4.6
CO ₂ sequestration	3.4	\Rightarrow	0.00	3.4	0.7
CO ₂ emissions	5.0	\Rightarrow	0.00	5.0	4.6
Total	3.8	\Rightarrow	0.00	3.8	2.7
Indoor Air Quality	Results		Deviation	Initial results	Average of schools
Air pollutants	4.1	4	-0.16	4.2	4.0
Ventilation	0.8	\Rightarrow	0.00	0.8	3.4
Thermal comfort	4.5	1	+4.50	0.0	3.2
Total	3.1	1	+1.45	1.7	3.5
Energy	Results		Deviation	Initial results	Average of schools
Energy consumption	4.8	1	+0.15	4.7	3.4
Energy cost	4.5	1	+0.22	4.3	3.8
Renewable energy	0.0		0.00	0.0	0.2
CO ₂ emissions	4.1	1	+0.21	3.9	2.4
Total	3.4	↑	+0.14	3.2	2.5
Water	Results		Deviation	Initial results	Average of schools
Water consumption/m ²	3.6	介	+0.27	3.3	4.1
Water consumption/student	4.2	•	-0.04	4.2	4.4
Water cost/m ²	3.6	Ů.	-0.13	3.7	3.7
Water cost/student	3.6	į.	-0.14	3.7	3.6
Total	3.7	₩	-0.01	3.7	4.0
Waste	Results		Deviation	Initial results	Average of schools
Waste produced	7.0	1	+7.02	0.0	2.2
•	7.0				
Waste recycled	1.2		+0.61	0.6	0.9
Waste recycled Waste reused		↑	+0.61 0.00	0.6 0.0	0.9 0.5





FOLLOW-UP REPORT. COMPARISON WITH INITIAL PERFORMANCE

- Escola EB 2,3 Mário Sá Carneiro -



FOR A LOW CARBON ECONOMY

JUNE 2019



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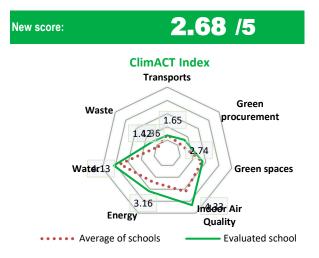
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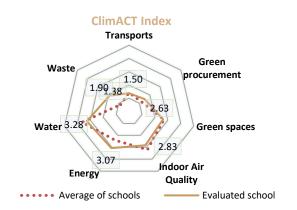
The follow-up comparison of environmental performance of school is as follows:

UPDATED RESULTS (0-5)

PREVIOUS RESULTS (0-5)







Sector	Results	Deviation
Transports	1.36	-0.02
Green procurement	1.65	1 +0.14
Green spaces	2.74	1 +0.11
Indoor Air Quality	4.33	1.50
Energy	3.16	+0.09
Water	4.13	1 +0.85
Waste	1.42	-0.48

Sector	Initial results	Average of schools
Transports	1.38	1.42
Green procurement	1.50	1.19
Green spaces	2.63	2.70
Indoor Air Quality	2.83	3.20
Energy	3.07	2.41
Water	3.28	3.65
Waste	1.90	0.83





The follow-up comparison with regard to the breakdown of indicators per environmental sector is the following:

UPDATED RESULTS (0-5) PREVIOUS RESULTS (0-5)

Transports	Results		Deviation	_	Initial results	Average of schools
Parking	0.3	1	+0.26		0.0	0.6
Public transports	1.0	\Rightarrow	0.00		1.0	0.6
CO ₂ emissions	2.6	Ψ	- 0.32	_	3.0	2.9
Total transport	1.4	•	-0.02		1.4	1.5
Green procurement	Results		Deviation		Initial results	Average of schools
Equipment	0.4	→	0.00		0.4	0.9
Paper	2.3	•	-0.15		2.4	2.0
Training	0.0		0.00		0.0	0.1
Eco-driving	0.0	->	0.00		0.0	0.0
Food	1.3	-	0.00		1.3	0.2
Suppliers	5.0	1	+3.53		1.5	1.0
Total	1.6	1	+0.14		1.5	1.3
Green spaces	Results		Deviation		Initial results	Average of schools
Green areas	1.9	→	+0.00		1.9	1.0
Usage of chemicals	0.7	\Rightarrow	0.00		0.7	4.6
CO ₂ sequestration	3.5	→	+0.00		3.5	0.7
CO ₂ emissions	4.9	1	+0.45		4.4	4.6
Total	2.7	1	+0.11	_	2.6	2.7
Indoor Air Quality	Results		Deviation		Initial results	Average of schools
Air pollutants	4.2	→	0.00		4.2	4.0
Ventilation	4.3	→	0.00		4.3	3.4
Thermal comfort	4.5	1	+4.50		0.0	3.2
Total	4.3	— ↑	+1.50	_	2.8	3.5
Energy	Results		Deviation		Initial results	Average of schools
Energy consumption	4.7	1	+0.11	_	4.5	3.4
Energy cost	4.3	1	+0.05		4.2	3.8
Renewable energy	0.0	→	0.00		0.0	0.2
CO ₂ emissions	3.7	1	+0.20		3.5	2.4
Total	3.2	1	+0.09	_	3.1	2.5
Water	Results		Deviation		Initial results	Average of schools
Water consumption/m ²	4.0	1	+1.27		2.8	4.1
Water consumption/student	4.4	•	+0.50		3.9	4.4
Water cost/m ²	4.0	1	+0.77		3.3	3.7
Water cost/student	4.0	1	+0.85		3.1	3.6
Total	4.1	1	+0.85	_	3.3	4.0
Waste	Results		Deviation		Initial results	Average of schools
Waste produced	2.0	4	-0.87		2.9	2.2
Waste recycled	1.6	Ţ	-0.20		1.8	0.9
Waste recycled Waste reused	0.0	→	0.00		0.0	0.5
Total	1.4	•	-0.48		1.9	1.5





FOLLOW-UP REPORT. COMPARISON WITH INITIAL PERFORMANCE

- Escola Sec/3 José Cardoso Pires -



FOR A LOW CARBON ECONOMY

JUNE 2019



This report provides a comparison with the initial environmental performance of school, with the aim of following-up of activities carried out in school. Environmental and energy performance was assessed based on audits and surveys in schools in order to reduce resources consumption and respective associated costs and CO₂ emissions.

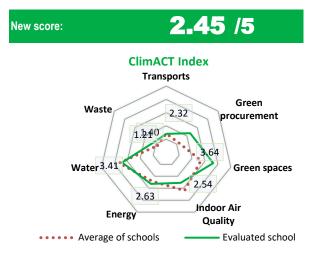
TRANSPORTS	Transports sector survey analysed the users' behaviour based on the transport mode used in the home-school path, quantifying the CO_2 emissions associated, and also based in the quantification of different parking spaces (disable, electric and bicycle) in schools, and the transports access and availability nearby schools.
GREEN PROCUREMENT	Green procurement audits evaluated the negative environmental impact of products and services acquired by the school. This analyses was based on electric and electronic equipment labelling, consumption of recycled paper, training in green procurement and eco-driving, and preference for food with biological certificate and local suppliers.
GREEN SPACES	Green areas have a huge influence in CO_2 emissions and sequestration. Green spaces audits analysed and quantified the green areas, the CO_2 sequestration, the use of chemists and resources consumption associated to the green areas maintenance, and the CO_2 emissions.
INDOOR AIR QUALITY	IAQ and comfort audits were performed based on measurements in selected rooms to be representative of the building in terms of size, number of occupants and activities, furnishings or equipment that can release pollutants to the indoor air. Main indoor and outdoor pollutants were identified and analysed.
ENERGY	Energy audits evaluated the energy consumption of the schools of the last three years (2014, 2015, and 2016), and its ${\rm CO_2}$ emissions associated.
WATER	Water audits identified how much water was being consumed in schools for each use or sector, based on measurements and water losses and leakages, for the last three years (2014, 2015, and 2016), and its CO_2 emissions associated.
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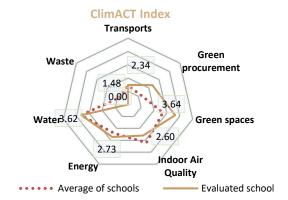
The follow-up comparison of environmental performance of school is as follows:

UPDATED RESULTS (0-5)

PREVIOUS RESULTS (0-5)







Sector	Results	Deviation
Transports	1.40	-0.08
Green procurement	2.32	- 0.02
Green spaces	3.64	-0.00
Indoor Air Quality	2.54	- 0.05
Energy	2.63	-0.09
Water	3.41	-0.21
Waste	1.21	1.21

Initial results	Average of schools
1.48	1.42
2.34	1.19
3.64	2.70
2.60	3.20
2.73	2.41
3.62	3.65
0.00	0.83
	1.48 2.34 3.64 2.60 2.73 3.62





The follow-up comparison with regard to the breakdown of indicators per environmental sector is the following:

UPDATED RESULTS (0-5)

PREVIOUS RESULTS (0-5)

Transports	Results		Deviation		Initial results	Average of schools
Parking	0.1	1	+0.14		0.0	0.6
Public transports	0.3		0.00		0.3	0.6
CO ₂ emissions	3.2	Ψ	- 0.34	_	3.5	2.9
Total transport	1.4	4	-0.08		1.5	1.5
Green procurement	Results		Deviation		Initial results	Average of schools
Equipment	4.4	→	0.00		4.4	0.9
Paper	2.4		0.00		2.4	2.0
Training	0.0		0.00		0.0	0.1
Eco-driving	0.0	->	0.00		0.0	0.0
Food	0.0	>	0.00		0.0	0.2
Suppliers	0.7	•	-0.29		1.0	1.0
Total	2.3	•	-0.02	_	2.3	1.3
Green spaces	Results		Deviation		Initial results	Average of schools
Green areas	1.8	Ψ	-0.00	_	1.8	1.0
Usage of chemicals	5.0		0.00		5.0	4.6
CO ₂ sequestration	2.7	•	-0.00		2.7	0.7
CO ₂ emissions	5.0	\Rightarrow	+0.00		5.0	4.6
Total	3.6	Ψ	-0.00	_	3.6	2.7
Indoor Air Quality	Results		Deviation		Initial results	Average of schools
Air pollutants	4.1	4	-0.16		4.2	4.0
Ventilation	3.6	\Rightarrow	0.00		3.6	3.4
Thermal comfort	0.0	\Rightarrow	0.00		0.0	3.2
Total	2.5	Ψ	-0.05		2.6	3.5
Energy	Results		Deviation		Initial results	Average of schools
Energy consumption	4.4	Ψ	-0.02	_	4.4	3.4
Energy cost	3.7	•	-0.24		3.9	3.8
Renewable energy	0.0		0.00		0.0	0.2
CO ₂ emissions	2.5	•	-0.10		2.6	2.4
Total	2.6	4	-0.09		2.7	2.5
Water	Results		Deviation		Initial results	Average of schools
Water consumption/m ²	4.2	介	+0.52	_	3.7	4.1
Water consumption/student	4.2	1	+0.26		3.9	4.4
Water cost/m ²	3.3	Ū	-0.57		3.9	3.7
Water cost/student	1.9	Ů.	-1.04		3.0	3.6
Total	3.4	₩	-0.21	_	3.6	4.0
Waste	Results		Deviation		Initial results	Average of schools
Waste produced	1.9	1	+1.91		0.0	2.2
Waste recycled	1.0	•	+1.01		0.0	0.9
Waste reused	0.0	→	0.00		0.0	0.5
Total	1.2	1	+1.21		0.0	1.5
					5.0	1.5





FOLLOW-UP REPORT. COMPARISON WITH INITIAL PERFORMANCE

- Escola Superior de Tecnologia da Saúde de Lisboa -



FOR A LOW CARBON ECONOMY

JUNE 2019



This report provides a comparison with the initial environmental performance of school, with the aim of following-up of activities carried out in school. Environmental and energy performance was assessed based on audits and surveys in schools in order to reduce resources consumption and respective associated costs and CO₂ emissions.

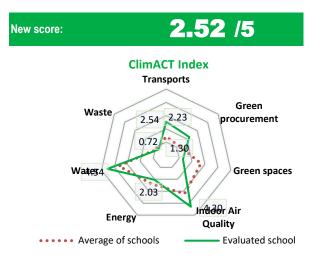
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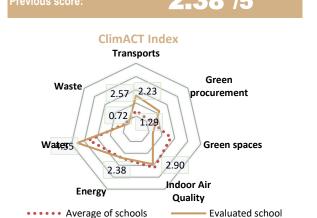


The follow-up comparison of environmental performance of school is as follows:

UPDATED RESULTS (0-5)

PREVIOUS RESULTS (0-5)





Sector	Results	Deviation	
Transports	2.54	-0.03	
Green procurement	2.23	→ +0.00	
Green spaces	1.30	→ +0.00	
Indoor Air Quality	4.30	1.40	
Energy	2.03	-0.35	
Water	4.54	-0.01	
Waste	0.72	→ 0.00	

Sector	Initial results	Average of schools
Transports	2.57	1.42
Green procurement	2.23	1.19
Green spaces	1.29	2.70
Indoor Air Quality	2.90	3.20
Energy	2.38	2.41
Water	4.55	3.65
Waste	0.72	0.83





PREVIOUS RESULTS (0-5)

The follow-up comparison with regard to the breakdown of indicators per environmental sector is the following:

UPDATED RESULTS (0-5)

Transports Results Deviation Initial results Average of schools Parking 0.4 -0.02 0.4 0.6 Public transports **->** 4.8 0.00 4.8 0.6 CO₂ emissions 3.6 - 0.06 3.6 2.9 2.5 -0.03 2.6 Total transport 1.5 Green procurement Results Deviation Initial results Average of schools Equipment 4.1 -> 0.00 4.1 0.9 Paper 2.4 -> +0.00 2.4 2.0 **->** Training 0.0 0.1 0.0 0.00 -> 0.0 0.0 **Eco-driving** 0.0 0.00 Food 0.0 -0.00 0.0 0.2 0.0 **-**0.00 0.0 1.0 Suppliers 2.2 **→** +0.00 Total 2.2 1.3 Green spaces Results Deviation Initial results Average of schools Green areas 1.1 -> +0.00 1.1 1.0 Usage of chemicals 0.9 **>** 0.00 0.9 4.6 1 CO₂ sequestration 2.2 +0.01 2.2 0.7 CO₂ emissions 1.1 0.00 1.1 4.6 1.3 Total +0.00 1.3 2.7 **Indoor Air Quality** Deviation Initial results Average of schools Results Air pollutants 4.4 -0.31 4.7 4.0 Ventilation 4.0 **-**0.00 4.0 3.4 Thermal comfort 4.5 +4.50 0.0 3.2 Total 4.3 +1.40 2.9 3.5 Energy Results Deviation Initial results Average of schools **Energy consumption** 3.7 -0.33 4.1 3.4 -0.28 3.3 3.8 **Energy cost** 3.1 Renewable energy 0.0 -> 0.0 0.2 0.00 CO₂ emissions 1.4 -0.76 2.1 2.4 Total 2.0 -0.35 2.4 2.5 Water Results Deviation Initial results Average of schools Water consumption/m² 4.4 4.5 +0.06 4.1 Water consumption/student 4.7 -0.03 4.7 4.4 Water cost/m² 4.5 -0.03 4.5 3.7 Water cost/student 4.5 -0.03 4.5 3.6 Total 4.5 -0.01 4.5 4.0 Deviation Waste Results Initial results Average of schools Waste produced 1.4 -> 0.00 1.4 2.2 Waste recycled 0.0 -> 0.00 0.0 0.9 Waste reused 0.0 0.00 0.0 0.5

0.00

0.7

1.5

0.7

Total





FOLLOW-UP REPORT. COMPARISON WITH INITIAL PERFORMANCE

- Escola Secundária Abel Salazar -



FOR A LOW CARBON ECONOMY

JUNE 2019



This report provides a comparison with the initial environmental performance of school, with the aim of following-up of activities carried out in school. Environmental and energy performance was assessed based on audits and surveys in schools in order to reduce resources consumption and respective associated costs and CO₂ emissions.

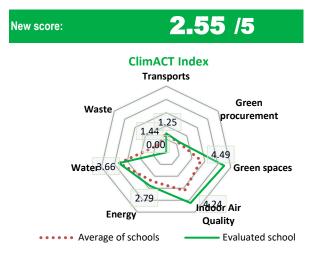
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INDOOR AIR QUALITY	IAQ and comfort audits were performed based on measurements in selected rooms to be representative of the building in terms of size, number of occupants and activities, furnishings or equipment that can release pollutants to the indoor air. Main indoor and outdoor pollutants were identified and analysed.
ENERGY	Energy audits evaluated the energy consumption of the schools of the last three years (2014, 2015, and 2016), and its ${\rm CO_2}$ emissions associated.
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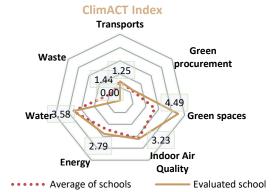
The follow-up comparison of environmental performance of school is as follows:

UPDATED RESULTS (0-5)

PREVIOUS RESULTS (0-5)







Sector	Results	Deviation	
Transports	1.44	→ 0.00	
Green procurement	1.25	→ 0.00	
Green spaces	4.49	→ 0.00	
Indoor Air Quality	4.24	+1.01	
Energy	2.79	→ 0.00	
Water	3.66	+0.07	
Waste	0.00	→ 0.00	

Sector	Initial results	Average of schools
Transports	1.44	1.42
Green procurement	1.25	1.19
Green spaces	4.49	2.70
Indoor Air Quality	3.23	3.20
Energy	2.79	2.41
Water	3.58	3.65
Waste	0.00	0.83





PREVIOUS RESULTS (0-5)

The follow-up comparison with regard to the breakdown of indicators per environmental sector is the following:

UPDATED RESULTS (0-5)

Transports	Results		Deviation	Initial results	Average of schools
Parking	0.6	\Rightarrow	0.00	0.6	0.6
Public transports	0.1	\rightarrow	0.00	0.1	0.6
CO ₂ emissions	2.9	\Rightarrow	0.00	2.9	2.9
Total transport	1.4	\Rightarrow	0.00	1.4	1.5
Green procurement	Results		Deviation	Initial results	Average of schools
Equipment	0.0	\Rightarrow	0.00	0.0	0.9
Paper	2.5	\Rightarrow	0.00	2.5	2.0
Training	0.0	\Rightarrow	0.00	0.0	0.1
Eco-driving	0.0		0.00	0.0	0.0
Food	0.0	\rightarrow	0.00	0.0	0.2
Suppliers	0.0	→	0.00	0.0	1.0
Total	1.3	-	0.00	1.3	1.3
Green spaces	Results		Deviation	Initial results	Average of schools
Green areas	3.2		0.00	3.2	1.0
Usage of chemicals	5.0	\Rightarrow	0.00	5.0	4.6
CO ₂ sequestration	4.8	\Rightarrow	0.00	4.8	0.7
CO ₂ emissions	5.0	\Rightarrow	0.00	5.0	4.6
Total	4.5	\Rightarrow	0.00	4.5	2.7
Indoor Air Quality	Results		Deviation	Initial results	Average of schools
Air pollutants	4.4	•	-0.31	4.7	4.0
Ventilation	5.0	•	-0.02	5.0	3.4
Thermal comfort	3.4	个	+3.35	0.0	3.2
Total	4.2	1	+1.01	3.2	3.5
Energy	Results		Deviation	Initial results	Average of schools
Energy consumption	4.1	→	0.00	4.1	3.4
Energy cost	4.1	\Rightarrow	0.00	4.1	3.8
Renewable energy	0.0	\rightarrow	0.00	0.0	0.2
CO ₂ emissions	3.0	\rightarrow	0.00	3.0	2.4
Total	2.8	→	0.00	2.8	2.5
Water	Results		Deviation	Initial results	Average of schools
Water consumption/m ²	4.1	1	+0.28	3.8	4.1
Water consumption/student	4.7	1	+0.01	4.6	4.4
Water cost/m ²	2.5	→	0.00	2.5	3.7
Water cost/student	3.4	-	0.00	3.4	3.6
Total	3.7	^	+0.07	3.6	4.0
Waste	Results		Deviation	Initial results	Average of schools
Waste produced	0.0	→	0.00	0.0	2.2
Waste recycled	0.0	→	0.00	0.0	0.9
Waste reused	0.0	→	0.00	0.0	0.5
				_	

Total





FOLLOW-UP REPORT. COMPARISON WITH INITIAL PERFORMANCE

- Escola EB1 Padre Manuel de Castro -



FOR A LOW CARBON ECONOMY

JUNE 2019



This report provides a comparison with the initial environmental performance of school, with the aim of following-up of activities carried out in school. Environmental and energy performance was assessed based on audits and surveys in schools in order to reduce resources consumption and respective associated costs and CO₂ emissions.

ENVIRONMENTAL AND ENERGY SECTORS CHARACTERIZATION

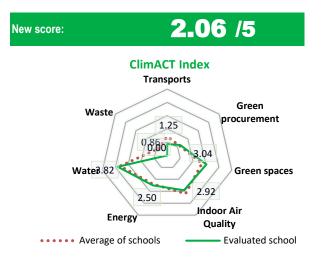
TRANSPORTS	Transports sector survey analysed the users' behaviour based on the transport mode used in the home-school path, quantifying the $\rm CO_2$ emissions associated, and also based in the quantification of different parking spaces (disable, electric and bicycle) in schools, and the transports access and availability nearby schools.
GREEN PROCUREMENT	Green procurement audits evaluated the negative environmental impact of products and services acquired by the school. This analyses was based on electric and electronic equipment labelling, consumption of recycled paper, training in green procurement and eco-driving, and preference for food with biological certificate and local suppliers.
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INDOOR AIR QUALITY	IAQ and comfort audits were performed based on measurements in selected rooms to be representative of the building in terms of size, number of occupants and activities, furnishings or equipment that can release pollutants to the indoor air. Main indoor and outdoor pollutants were identified and analysed.
ENERGY 4	Energy audits evaluated the energy consumption of the schools of the last three years (2014, 2015, and 2016), and its ${\rm CO_2}$ emissions associated.
WATER	Water audits identified how much water was being consumed in schools for each use or sector, based on measurements and water losses and leakages, for the last three years (2014, 2015, and 2016), and its CO_2 emissions associated.
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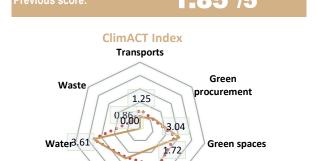


The follow-up comparison of environmental performance of school is as follows:

UPDATED RESULTS (0-5)

PREVIOUS RESULTS (0-5)





Indoor Air

Quality

Evaluated school

2.50

Energy

• • • • • Average of schools

Sector	Results	Deviation
Transports	0.86	→ 0.00
Green procurement	1.25	→ 0.00
Green spaces	3.04	→ 0.00
Indoor Air Quality	2.92	1.20
Energy	2.50	→ 0.00
Water	3.82	+0.22
Waste	0.00	→ 0.00

Sector	Initial results	Average of schools
Transports	0.86	1.42
Green procurement	1.25	1.19
Green spaces	3.04	2.70
Indoor Air Quality	1.72	3.20
Energy	2.50	2.41
Water	3.61	3.65
Waste	0.00	0.83

Comparing the final results obtained in the school with the previous environmental performance, we obtain a percentage of improvement as follows:





The follow-up comparison with regard to the breakdown of indicators per environmental sector is the following:

UPDATED RESULTS (0-5) PREVIOUS RESULTS (0-5)

Transports	Results		Deviation	Initial results	Average of schools
Parking	0.0	-	0.00	0.0	0.6
Public transports	0.1		0.00	0.1	0.6
CO ₂ emissions	2.1	->	0.00	2.1	2.9
Total transport	0.9	→	0.00	0.9	1.5
Green procurement	Results		Deviation	Initial results	Average of schools
Equipment	0.0	→	0.00	0.0	0.9
Paper	2.5		0.00	2.5	2.0
Training	0.0		0.00	0.0	0.1
Eco-driving	0.0	\Rightarrow	0.00	0.0	0.0
Food	0.0	>	0.00	0.0	0.2
Suppliers	0.0	>	0.00	0.0	1.0
Total	1.3	⇒	0.00	1.3	1.3
Green spaces	Results		Deviation	Initial results	Average of schools
Green areas	1.0	→	0.00	1.0	1.0
Usage of chemicals	5.0		0.00	5.0	4.6
CO ₂ sequestration	1.2	\Rightarrow	0.00	1.2	0.7
CO ₂ emissions	5.0	>	0.00	5.0	4.6
Total	3.0	\Rightarrow	0.00	3.0	2.7
Indoor Air Quality	Results		Deviation	Initial results	Average of schools
Air pollutants	4.1	Ψ.	-0.31	4.4	4.0
Ventilation	4.7	1	+4.69	0.0	3.4
Thermal comfort	0.0	•	-0.78	0.8	3.2
Total	2.9	1	+1.20	1.7	3.5
Energy	Results		Deviation	Initial results	Average of schools
Energy consumption	3.4	-	0.00	3.4	3.4
Energy cost	3.8	\Rightarrow	0.00	3.8	3.8
Renewable energy	0.0	\Rightarrow	0.00	0.0	0.2
CO ₂ emissions	2.9	\Rightarrow	0.00	2.9	2.4
Total	2.5	→	0.00	2.5	2.5
Water	Results		Deviation	Initial results	Average of schools
Water consumption/m ²	2.3	1	+0.83	1.4	4.1
Water consumption/student	4.4	1	+0.03	4.3	4.4
Water cost/m ²	4.0	⇒	0.00	4.0	3.7
Water cost/student	4.7	→	0.00	4.7	3.6
Total	3.8	↑	+0.22	3.6	4.0
Waste	Results		Deviation	Initial results	Average of schools
Waste produced	0.0	→	0.00	0.0	2.2
•		⇒	0.00 0.00	0.0 0.0	2.2 0.9
Waste produced Waste recycled Waste reused	0.0				





FOLLOW-UP REPORT. COMPARISON WITH INITIAL PERFORMANCE

- Escola EB 2,3 Júlio Dinis -



FOR A LOW CARBON ECONOMY

JUNE 2019



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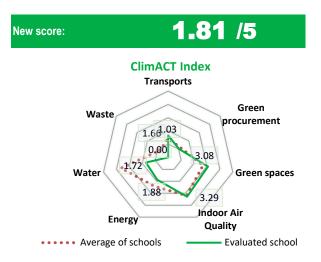
- Evaluated school

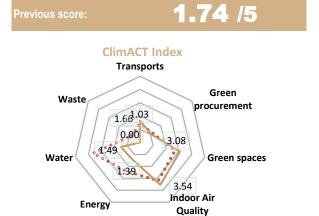
The follow-up comparison of environmental performance of school is as follows:

UPDATED RESULTS (0-5)

PREVIOUS RESULTS (0-5)

• • • • • Average of schools





Sector	Results	Deviation
Transports	1.66	→ 0.00
Green procurement	1.03	→ 0.00
Green spaces	3.08	→ 0.00
Indoor Air Quality	3.29	-0.25
Energy	1.88	+0.48
Water	1.72	+0.23
Waste	0.00	→ 0.00

Sector	Initial results	Average of schools
Transports	1.66	1.42
Green procurement	1.03	1.19
Green spaces	3.08	2.70
Indoor Air Quality	3.54	3.20
Energy	1.39	2.41
Water	1.49	3.65
Waste	0.00	0.83

Comparing the final results obtained in the school with the previous environmental performance, we obtain a percentage of improvement as follows:





PREVIOUS RESULTS (0-5)

The follow-up comparison with regard to the breakdown of indicators per environmental sector is the following:

UPDATED RESULTS (0-5)

Transports	Results		Deviation	Initial	results	Average of schools
Parking	2.4	→	0.00	2	.4	0.6
Public transports	0.0	\Rightarrow	0.00	0	.0	0.6
CO ₂ emissions	1.8	\Rightarrow	0.00	1	.8	2.9
Total transport	1.7	⇒	0.00	1	.7	1.5
Green procurement	Results		Deviation	Initial	results	Average of schools
Equipment	0.0	→	0.00	0	.0	0.9
Paper	2.1	\Rightarrow	0.00	2	.1	2.0
Training	0.0	\Rightarrow	0.00	0	.0	0.1
Eco-driving	0.0	\Rightarrow	0.00	0	.0	0.0
Food	0.0	\Rightarrow	0.00	0	.0	0.2
Suppliers	0.0	\Rightarrow	0.00	0	.0	1.0
Total	1.0	→	0.00	1	.0	1.3
Green spaces	Results		Deviation	Initial	results	Average of schools
Green areas	1.1	->	0.00	1	.1	1.0
Usage of chemicals	5.0		0.00	5	.0	4.6
CO ₂ sequestration	1.2		0.00	1	.2	0.7
CO ₂ emissions	5.0		0.00	5	.0	4.6
Total	3.1	\Rightarrow	0.00	3	.1	2.7
Indoor Air Quality	Results		Deviation	Initial	results	Average of schools
Air pollutants	4.4	Ψ	-0.31	4	.7	4.0
Ventilation	3.7	•	-0.48	4	.2	3.4
Thermal comfort	1.8	1	+0.02	1	.8	3.2
Total	3.3	Ψ	-0.25	3	.5	3.5
Energy	Results		Deviation	Initial	results	Average of schools
Energy consumption	3.9	1	+0.24	3	.7	3.4
Energy cost	2.3	1	+0.89	1	.4	3.8
Renewable energy	0.0	\Rightarrow	0.00	0	.0	0.2
CO ₂ emissions	1.3	1	+0.79	0	.5	2.4
Total	1.9	1	+0.48	1	.4	2.5
Water	Results		Deviation	Initial	results	Average of schools
Water consumption/m ²	2.3	1	+0.81	1	.5	4.1
Water consumption/student	2.5	1	+0.11	2	.4	4.4
Water cost/m ²	2.1	\Rightarrow	0.00	2	.1	3.7
Water cost/student	0.0	\Rightarrow	0.00	0	.0	3.6
Total	1.7	1	+0.23	1	.5	4.0
Waste	Results		Deviation	Initial	results	Average of schools
Waste produced	0.0	⇒	0.00	0	.0	2.2
Waste recycled	0.0	\Rightarrow	0.00	0	.0	0.9
Waste reused	0.0	-	0.00	0	.0	0.5
				•	_	

Total







FOLLOW-UP REPORT. COMPARISON WITH INITIAL PERFORMANCE

- CEIP La Unión -



FOR A LOW CARBON ECONOMY

JUNE 2019



This report provides a comparison with the initial environmental performance of school, with the aim of following-up of activities carried out in school. Environmental and energy performance was assessed based on audits and surveys in schools in order to reduce resources consumption and respective associated costs and CO₂ emissions.

ENVIRONMENTAL AND ENERGY SECTORS CHARACTERIZATION

TRANSPORTS	Transports sector survey analysed the users' behaviour based on the transport mode used in the home-school path, quantifying the CO ₂ emissions associated, and also based in the quantification of different parking spaces (disable, electric and bicycle) in schools, and the transports access and availability nearby schools.
GREEN PROCUREMENT	Green procurement audits evaluated the negative environmental impact of products and services acquired by the school. This analyses was based on electric and electronic equipment labelling, consumption of recycled paper, training in green procurement and eco-driving, and preference for food with biological certificate and local suppliers.
GREEN SPACES	Green areas have a huge influence in CO_2 emissions and sequestration. Green spaces audits analysed and quantified the green areas, the CO_2 sequestration, the use of chemists and resources consumption associated to the green areas maintenance, and the CO_2 emissions.
INDOOR AIR QUALITY	IAQ and comfort audits were performed based on measurements in selected rooms to be representative of the building in terms of size, number of occupants and activities, furnishings or equipment that can release pollutants to the indoor air. Main indoor and outdoor pollutants were identified and analysed.
ENERGY	Energy audits evaluated the energy consumption of the schools of the last three years (2014, 2015, and 2016), and its ${\rm CO_2}$ emissions associated.
WATER	Water audits identified how much water was being consumed in schools for each use or sector, based on measurements and water losses and leakages, for the last three years (2014, 2015, and 2016), and its CO_2 emissions associated.
WASTE	Waste audits quantified the volume of waste produced, recycled and reused in schools, divided in categories: waste disposed, waste composted-organic, waste reused and waste recycled. It is to develop sustainable waste management practices.

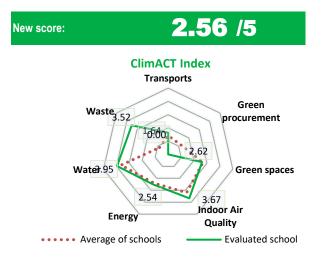
Pilot school: CEIP La Unión

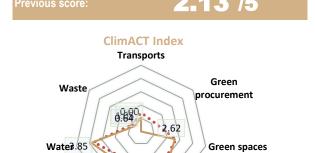


The follow-up comparison of environmental performance of school is as follows:

UPDATED RESULTS (0-5)

PREVIOUS RESULTS (0-5)





3.84 Indoor Air

Quality

Evaluated school

2.91

Energy

• • • • • Average of schools

Sector	Results	Deviation
Transports	1.64	+0.58
Green procurement	0.00	→ 0.00
Green spaces	2.62	→ 0.00
Indoor Air Quality	3.67	-0.17
Energy	2.54	-0.37
Water	3.95	+0.10
Waste	3.52	<u></u> +2.88

Sector	Initial results	Average of schools
Transports	1.05	1.42
Green procurement	0.00	1.19
Green spaces	2.62	2.70
Indoor Air Quality	3.84	3.20
Energy	2.91	2.41
Water	3.85	3.65
Waste	0.64	0.83

Comparing the final results obtained in the school with the previous environmental performance, we obtain a percentage of improvement as follows:



Pilot school: CEIP La Unión



The follow-up comparison with regard to the breakdown of indicators per environmental sector is the following:

UPDATED RESULTS (0-5			

PREVIOUS RESULTS (0-5)

Transports	Results		Deviation	_	Initial results	Average of schools
Parking	0.0	-	0.00		0.0	0.6
Public transports	0.1		0.00		0.1	0.6
CO ₂ emissions	4.1	1	+ 1.46	_	2.6	2.9
Total transport	1.6	1	+0.58		1.1	1.5
Green procurement	Results		Deviation		Initial results	Average of schools
Equipment	0.0	→	0.00		0.0	0.9
Paper	0.0		0.00		0.0	2.0
Training	0.0		0.00		0.0	0.1
Eco-driving	0.0	->	0.00		0.0	0.0
Food	0.0	>	0.00		0.0	0.2
Suppliers	0.0	>	0.00		0.0	1.0
Total	0.0	\Rightarrow	0.00	_	0.0	1.3
Green spaces	Results		Deviation		Initial results	Average of schools
Green areas	0.3	→	0.00	_	0.3	1.0
Usage of chemicals	5.0	-	0.00		5.0	4.6
CO ₂ sequestration	0.1	\Rightarrow	0.00		0.1	0.7
CO ₂ emissions	5.0	-	0.00		5.0	4.6
Total	2.6	\Rightarrow	0.00	_	2.6	2.7
Indoor Air Quality	Results		Deviation		Initial results	Average of schools
Air pollutants	4.4	→	0.00		4.4	4.0
Ventilation	1.7	•	-0.45		2.2	3.4
Thermal comfort	4.9	Ų.	-0.05		5.0	3.2
Total	3.7	Ψ	-0.17		3.8	3.5
Energy	Results		Deviation		Initial results	Average of schools
Energy consumption	4.1	Ψ	-0.40		4.5	3.4
Energy cost	2.5	•	-0.50		3.0	3.8
Renewable energy	0.0	\Rightarrow	0.00		0.0	0.2
CO ₂ emissions	3.6	•	-0.58		4.2	2.4
Total	2.5	Ψ	-0.37	_	2.9	2.5
Water	Results		Deviation		Initial results	Average of schools
Water consumption/m ²	3.8	介	+0.38		3.4	4.1
Water consumption/student	4.7	1	+0.02		4.6	4.4
Water cost/m ²	3.2	→	0.00		3.2	3.7
Water cost/student	4.1	→	0.00		4.1	3.6
Total	3.9	↑	+0.10	_	3.8	4.0
Waste	Results		Deviation		Initial results	Average of schools
Waste produced	2.2	1	+0.89	_	1.3	2.2
Waste recycled	0.2	1	+0.20		0.0	0.9
Waste reused	9.5	1	+9.52		0.0	0.5
Total	3.5	1	+2.88		0.6	1.5
	5.5	· • ·	. 2.50		5.0	1.5

Pilot school: CEIP La Unión





FOLLOW-UP REPORT. COMPARISON WITH INITIAL PERFORMANCE

- CEIP Lope de Rueda -



FOR A LOW CARBON ECONOMY

JUNE 2019



This report provides a comparison with the initial environmental performance of school, with the aim of following-up of activities carried out in school. Environmental and energy performance was assessed based on audits and surveys in schools in order to reduce resources consumption and respective associated costs and CO_2 emissions.

ENVIRONMENTAL AND ENERGY SECTORS CHARACTERIZATION

TRANSPORTS	Transports sector survey analysed the users' behaviour based on the transport mode used in the home-school path, quantifying the CO ₂ emissions associated, and also based in the quantification of different parking spaces (disable, electric and bicycle) in schools, and the transports access and availability nearby schools.
GREEN PROCUREMENT	Green procurement audits evaluated the negative environmental impact of products and services acquired by the school. This analyses was based on electric and electronic equipment labelling, consumption of recycled paper, training in green procurement and eco-driving, and preference for food with biological certificate and local suppliers.
GREEN SPACES	Green areas have a huge influence in CO_2 emissions and sequestration. Green spaces audits analysed and quantified the green areas, the CO_2 sequestration, the use of chemists and resources consumption associated to the green areas maintenance, and the CO_2 emissions.
INDOOR AIR QUALITY	IAQ and comfort audits were performed based on measurements in selected rooms to be representative of the building in terms of size, number of occupants and activities, furnishings or equipment that can release pollutants to the indoor air. Main indoor and outdoor pollutants were identified and analysed.
ENERGY &	Energy audits evaluated the energy consumption of the schools of the last three years (2014, 2015, and 2016), and its ${\rm CO_2}$ emissions associated.
WATER	Water audits identified how much water was being consumed in schools for each use or sector, based on measurements and water losses and leakages, for the last three years (2014, 2015, and 2016), and its CO_2 emissions associated.
WASTE	Waste audits quantified the volume of waste produced, recycled and reused in schools, divided in categories: waste disposed, waste composted-organic, waste reused and waste recycled. It is to develop sustainable waste management practices.



Green spaces

Evaluated school

4.02 Indoor Air

Quality

The follow-up comparison of environmental performance of school is as follows:

UPDATED RESULTS (0-5)

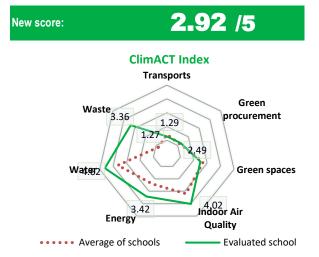
PREVIOUS RESULTS (0-5)

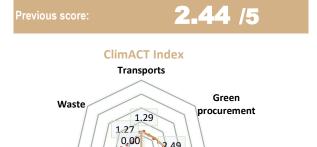
Wategg

3.39

Energy

• • • • • • Average of schools





Sector	Results	Deviation
Transports	1.27	→ 0.00
Green procurement	1.29	→ 0.00
Green spaces	2.49	→ 0.00
Indoor Air Quality	4.02	→ 0.00
Energy	3.42	+ 0.03
Water	4.62	1 +0.03
Waste	3.36	↑ +3.36

Sector	Initial results	schools
Transports	1.27	1.42
Green procurement	1.29	1.19
Green spaces	2.49	2.70
Indoor Air Quality	4.02	3.20
Energy	3.39	2.41
Water	4.59	3.65
Waste	0.00	0.79

Comparing the final results obtained in the school with the previous environmental performance, we obtain a percentage of improvement as follows:





The follow-up comparison with regard to the breakdown of indicators per environmental sector is the following:

UPDATED RESULTS (0-5)	PREVIOUS RESULTS (0-5)
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Transports	Results		Deviation		Initial results	Average of schools
Parking	0.0		0.00		0.0	0.6
Public transports	0.2		0.00		0.2	0.6
CO ₂ emissions	3.0	=	0.00		3.0	2.9
Total transport	1.3		0.00		1.3	1.5
Green procurement	Results		Deviation	_	Initial results	Average of schools
Equipment	0.3		0.00		0.3	0.9
Paper	2.4		0.00		2.4	2.0
Training	0.0		0.00		0.0	0.1
Eco-driving	0.0		0.00		0.0	0.0
Food	0.0		0.00		0.0	0.2
Suppliers	0.0	\Rightarrow	0.00		0.0	1.0
Total	1.3		0.00		1.3	1.3
Green spaces	Results		Deviation		Initial results	Average of schools
Green areas	0.3		0.00		0.3	1.0
Usage of chemicals	5.0		0.00		5.0	4.6
CO ₂ sequestration	0.0		0.00		0.0	0.7
CO ₂ emissions	4.6		0.00		4.6	4.6
Total	2.5	->	0.00		2.5	2.7
Indoor Air Quality	Results		Deviation		Initial results	Average of schools
Air pollutants	4.5		0.00		4.5	4.0
Ventilation	2.5		0.00		2.5	3.4
Thermal comfort	5.0		0.00		5.0	3.2
Total	4.0	-	0.00		4.0	3.5
Energy	Results		Deviation		Initial results	Average of schools
Energy consumption	4.8		+0.01		4.8	3.4
Energy cost	4.6	1	+0.08		4.5	3.8
Renewable energy	0.0		0.00		0.0	0.2
CO ₂ emissions	4.3	1	+0.03		4.3	2.4
Total	3.4	1	+0.03		3.4	2.5
Water	Results		Deviation		Initial results	Average of schools
Water consumption/m ²	4.6	1	+0.13	_	4.4	4.1
Water consumption/student	4.9		+0.01		4.9	4.4
Water cost/m ²	4.4		0.00		4.4	3.7
Water cost/student	4.7		0.00		4.7	3.6
Total	4.6	1	+0.03		4.6	4.0
Waste	Results		Deviation		Initial results	Average of schools
Waste produced	5.0	1	+4.99		0.0	2.9
Waste recycled	0.0	→	0.00		0.0	0.8
Waste reused	3.4	1	+3.44		0.0	0.9
Total	3.4	1	+3.36		0.0	1.9





FOLLOW-UP REPORT. COMPARISON WITH INITIAL PERFORMANCE

- CEIP Nuestra Señora del Patrocinio -



FOR A LOW CARBON ECONOMY

JUNE 2019



This report provides a comparison with the initial environmental performance of school, with the aim of following-up of activities carried out in school. Environmental and energy performance was assessed based on audits and surveys in schools in order to reduce resources consumption and respective associated costs and CO₂ emissions.

ENVIRONMENTAL AND ENERGY SECTORS CHARACTERIZATION

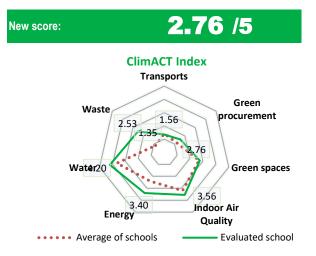
TRANSPORTS	Transports sector survey analysed the users' behaviour based on the transport mode used in the home-school path, quantifying the $\rm CO_2$ emissions associated, and also based in the quantification of different parking spaces (disable, electric and bicycle) in schools, and the transports access and availability nearby schools.
GREEN PROCUREMENT	Green procurement audits evaluated the negative environmental impact of products and services acquired by the school. This analyses was based on electric and electronic equipment labelling, consumption of recycled paper, training in green procurement and eco-driving, and preference for food with biological certificate and local suppliers.
GREEN SPACES	Green areas have a huge influence in CO_2 emissions and sequestration. Green spaces audits analysed and quantified the green areas, the CO_2 sequestration, the use of chemists and resources consumption associated to the green areas maintenance, and the CO_2 emissions.
INDOOR AIR QUALITY	IAQ and comfort audits were performed based on measurements in selected rooms to be representative of the building in terms of size, number of occupants and activities, furnishings or equipment that can release pollutants to the indoor air. Main indoor and outdoor pollutants were identified and analysed.
ENERGY	Energy audits evaluated the energy consumption of the schools of the last three years (2014, 2015, and 2016), and its ${\rm CO_2}$ emissions associated.
WATER	Water audits identified how much water was being consumed in schools for each use or sector, based on measurements and water losses and leakages, for the last three years (2014, 2015, and 2016), and its CO_2 emissions associated.
WASTE	Waste audits quantified the volume of waste produced, recycled and reused in schools, divided in categories: waste disposed, waste composted-organic, waste reused and waste recycled. It is to develop sustainable waste management practices.



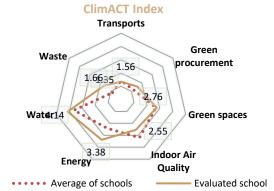
The follow-up comparison of environmental performance of school is as follows:

UPDATED RESULTS (0-5)

PREVIOUS RESULTS (0-5)







Sector	Results	Deviation
Transports	1.35	→ 0.00
Green procurement	1.56	→ 0.00
Green spaces	2.76	→ 0.00
Indoor Air Quality	3.56	1.01
Energy	3.40	+0.02
Water	4.20	+0.06
Waste	2.53	+0.87

Sector	Initial results	Average of schools
Transports	1.35	1.42
Green procurement	1.56	1.19
Green spaces	2.76	2.70
Indoor Air Quality	2.55	3.20
Energy	3.38	2.41
Water	4.14	3.65
Waste	1.66	0.83

Comparing the final results obtained in the school with the previous environmental performance, we obtain a percentage of improvement as follows:





The follow-up comparison with regard to the breakdown of indicators per environmental sector is the following:

UPDATED RESULTS (0-5) PREVIOUS RESULTS (0-5)

Transports	Results		Deviation	Initial results	Average of schools
Parking	0.0	-	0.00	0.0	0.6
Public transports	0.1		0.00	0.1	0.6
CO ₂ emissions	3.3	->	0.00	3.3	2.9
Total transport	1.3	\Rightarrow	0.00	1.3	1.5
Green procurement	Results		Deviation	Initial results	Average of schools
Equipment	0.0	→	0.00	0.0	0.9
Paper	2.5		0.00	2.5	2.0
Training	0.0		0.00	0.0	0.1
Eco-driving	0.0	->	0.00	0.0	0.0
Food	0.0	>	0.00	0.0	0.2
Suppliers	5.0	>	0.00	5.0	1.0
Total	1.6	\Rightarrow	0.00	1.6	1.3
Green spaces	Results		Deviation	Initial results	Average of schools
Green areas	1.0	→	0.00	1.0	1.0
Usage of chemicals	5.0	-	0.00	5.0	4.6
CO ₂ sequestration	0.0	\Rightarrow	0.00	0.0	0.7
CO ₂ emissions	5.0	-	0.00	5.0	4.6
Total	2.8	\Rightarrow	0.00	2.8	2.7
Indoor Air Quality	Results		Deviation	Initial results	Average of schools
Air pollutants	4.2	→	0.00	4.2	4.0
Ventilation	3.9	1	+2.31	1.5	3.4
Thermal comfort	2.6	1	+0.72	1.9	3.2
Total	3.6	1	+1.01	2.5	3.5
Energy	Results		Deviation	Initial results	Average of schools
Energy consumption	4.8	1	+0.01	4.8	3.4
Energy cost	4.5	1	+0.07	4.5	3.8
Renewable energy	0.0	\Rightarrow	0.00	0.0	0.2
CO ₂ emissions	4.3	1	+0.02	4.3	2.4
Total	3.4	1	+0.02	3.4	2.5
Water	Results		Deviation	Initial results	Average of schools
Water consumption/m ²	4.0	介	+0.31	3.6	4.1
Water consumption/student	4.6	1	+0.02	4.6	4.4
Water cost/m ²	4.0	Ū	-0.04	4.0	3.7
Water cost/student	4.3	Ů.	-0.03	4.3	3.6
Total	4.2	1	+0.06	4.1	4.0
Waste	Results		Deviation	Initial results	Average of schools
Waste produced		_			
Waste produced	4.3	T	+1.32	2.9	2.2
•	4.3 0.0	↑	+1.32 0.00	2.9 0.0	2.2 0.9
Waste recycled Waste reused					





FOLLOW-UP REPORT. COMPARISON WITH INITIAL PERFORMANCE

- CEIP Maestro Pepe Gonzalez -



FOR A LOW CARBON ECONOMY

JUNE 2019



This report provides a comparison with the initial environmental performance of school, with the aim of following-up of activities carried out in school. Environmental and energy performance was assessed based on audits and surveys in schools in order to reduce resources consumption and respective associated costs and CO₂ emissions.

ENVIRONMENTAL AND ENERGY SECTORS CHARACTERIZATION

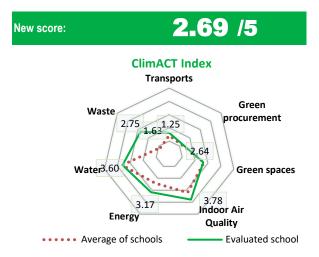
TRANSPORTS	Transports sector survey analysed the users' behaviour based on the transport mode used in the home-school path, quantifying the $\rm CO_2$ emissions associated, and also based in the quantification of different parking spaces (disable, electric and bicycle) in schools, and the transports access and availability nearby schools.
GREEN PROCUREMENT	Green procurement audits evaluated the negative environmental impact of products and services acquired by the school. This analyses was based on electric and electronic equipment labelling, consumption of recycled paper, training in green procurement and eco-driving, and preference for food with biological certificate and local suppliers.
GREEN SPACES	Green areas have a huge influence in CO_2 emissions and sequestration. Green spaces audits analysed and quantified the green areas, the CO_2 sequestration, the use of chemists and resources consumption associated to the green areas maintenance, and the CO_2 emissions.
INDOOR AIR QUALITY	IAQ and comfort audits were performed based on measurements in selected rooms to be representative of the building in terms of size, number of occupants and activities, furnishings or equipment that can release pollutants to the indoor air. Main indoor and outdoor pollutants were identified and analysed.
ENERGY 4	Energy audits evaluated the energy consumption of the schools of the last three years (2014, 2015, and 2016), and its ${\rm CO_2}$ emissions associated.
WATER	Water audits identified how much water was being consumed in schools for each use or sector, based on measurements and water losses and leakages, for the last three years (2014, 2015, and 2016), and its CO_2 emissions associated.
WASTE	Waste audits quantified the volume of waste produced, recycled and reused in schools, divided in categories: waste disposed, waste composted-organic, waste reused and waste recycled. It is to develop sustainable waste management practices.



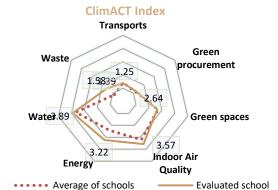
The follow-up comparison of environmental performance of school is as follows:

UPDATED RESULTS (0-5)

PREVIOUS RESULTS (0-5)







Sector	Results	Deviation
Transports	1.63	+0.24
Green procurement	1.25	→ 0.00
Green spaces	2.64	→ 0.00
Indoor Air Quality	3.78	1 +0.22
Energy	3.17	-0.06
Water	3.60	- 0.29
Waste	2.75	<u></u> 1.17 +1.17

Initial results	Average of schools
1.39	1.42
1.25	1.19
2.64	2.70
3.57	3.20
3.22	2.41
3.89	3.65
1.58	0.83
	1.39 1.25 2.64 3.57 3.22 3.89

Comparing the final results obtained in the school with the previous environmental performance, we obtain a percentage of improvement as follows:





The follow-up comparison with regard to the breakdown of indicators per environmental sector is the following:

UPDATED RESULTS (0-5) PREVIOUS RESULTS (0-5)

Transports	Results		Deviation	Initial results	Average of schools
Parking	0.0	-	0.00	0.0	0.6
Public transports	0.1	\Rightarrow	0.00	0.1	0.6
CO ₂ emissions	4.0	1	+ 0.61	3.4	2.9
Total transport	1.6	↑	+0.24	1.4	1.5
Green procurement	Results		Deviation	Initial results	Average of schools
Equipment	0.0	→	0.00	0.0	0.9
Paper	2.5	\Rightarrow	0.00	2.5	2.0
Training	0.0	\Rightarrow	0.00	0.0	0.1
Eco-driving	0.0	\Rightarrow	0.00	0.0	0.0
Food	0.0	\Rightarrow	0.00	0.0	0.2
Suppliers	0.0		0.00	0.0	1.0
Total	1.3	→	0.00	1.3	1.3
Green spaces	Results		Deviation	Initial results	Average of schools
Green areas	0.5	→	0.00	0.5	1.0
Usage of chemicals	5.0	\Rightarrow	0.00	5.0	4.6
CO ₂ sequestration	0.1	\Rightarrow	0.00	0.1	0.7
CO ₂ emissions	5.0	→	0.00	5.0	4.6
Total	2.6	⇒	0.00	2.6	2.7
Indoor Air Quality	Results		Deviation	Initial results	Average of schools
Air pollutants	4.2	⇒	0.00	4.2	4.0
Ventilation	2.1	1	+0.65	1.5	3.4
Thermal comfort	5.0	→	0.00	5.0	3.2
Total	3.8	↑	+0.22	3.6	3.5
Energy	Results		Deviation	Initial results	Average of schools
Energy consumption	4.6	4	-0.06	4.6	3.4
Energy cost	4.3	•	-0.05	4.3	3.8
Renewable energy	0.0	\Rightarrow	0.00	0.0	0.2
CO ₂ emissions	3.8	•	-0.11	3.9	2.4
Total	3.2	Ψ	-0.06	3.2	2.5
Water	Results		Deviation	Initial results	Average of schools
Water consumption/m ²	3.2	4	-0.27	3.5	4.1
Water consumption/student	4.5	Ť	-0.18	4.6	4.4
Water cost/m ²	2.9	Ť	-0.46	3.3	3.7
Water cost/student	3.9	Ť	-0.26	4.1	3.6
Total	3.6	¥	-0.29	3.9	4.0
Waste	Results		Deviation	Initial results	Average of schools
Waste produced	5.1	介	+2.53	2.6	2.2
Waste recycled	0.0	→	0.00	0.0	0.9
vvaste recycled					
Waste recycled Waste reused	0.8	\tilde{ullet}	-0.37	1.1	0.5





FOLLOW-UP REPORT. COMPARISON WITH INITIAL PERFORMANCE

- IES Chaves Nogales -



FOR A LOW CARBON ECONOMY

JUNE 2019



This report provides a comparison with the initial environmental performance of school, with the aim of following-up of activities carried out in school. Environmental and energy performance was assessed based on audits and surveys in schools in order to reduce resources consumption and respective associated costs and CO₂ emissions.

ENVIRONMENTAL AND ENERGY SECTORS CHARACTERIZATION

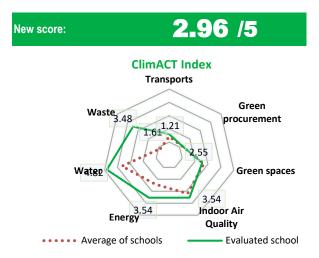
TRANSPORTS	Transports sector survey analysed the users' behaviour based on the transport mode used in the home-school path, quantifying the CO_2 emissions associated, and also based in the quantification of different parking spaces (disable, electric and bicycle) in schools, and the transports access and availability nearby schools.
GREEN PROCUREMENT	Green procurement audits evaluated the negative environmental impact of products and services acquired by the school. This analyses was based on electric and electronic equipment labelling, consumption of recycled paper, training in green procurement and eco-driving, and preference for food with biological certificate and local suppliers.
GREEN SPACES	Green areas have a huge influence in CO_2 emissions and sequestration. Green spaces audits analysed and quantified the green areas, the CO_2 sequestration, the use of chemists and resources consumption associated to the green areas maintenance, and the CO_2 emissions.
INDOOR AIR QUALITY	IAQ and comfort audits were performed based on measurements in selected rooms to be representative of the building in terms of size, number of occupants and activities, furnishings or equipment that can release pollutants to the indoor air. Main indoor and outdoor pollutants were identified and analysed.
ENERGY &	Energy audits evaluated the energy consumption of the schools of the last three years (2014, 2015, and 2016), and its ${\rm CO_2}$ emissions associated.
WATER	Water audits identified how much water was being consumed in schools for each use or sector, based on measurements and water losses and leakages, for the last three years (2014, 2015, and 2016), and its CO_2 emissions associated.
WASTE	Waste audits quantified the volume of waste produced, recycled and reused in schools, divided in categories: waste disposed, waste composted-organic, waste reused and waste recycled. It is to develop sustainable waste management practices.



The follow-up comparison of environmental performance of school is as follows:

UPDATED RESULTS (0-5)

PREVIOUS RESULTS (0-5)







Sector	Results	Deviation
Transports	1.61	→ 0.00
Green procurement	1.21	→ 0.00
Green spaces	2.55	→ 0.00
Indoor Air Quality	3.54	-0.07
Energy	3.54	-0.06
Water	4.82	+0.04
Waste	3.48	+0.97

Sector	Initial results	Average of schools
Transports	1.61	1.42
Green procurement	1.21	1.19
Green spaces	2.55	2.70
Indoor Air Quality	3.61	3.20
Energy	3.60	2.41
Water	4.78	3.65
Waste	2.51	0.83

Comparing the final results obtained in the school with the previous environmental performance, we obtain a percentage of improvement as follows:





The follow-up comparison with regard to the breakdown of indicators per environmental sector is the following:

UPDATED RESULTS (0-5) PREVIOUS RESULTS (0-5)

Transports	Results		Deviation		Initial results	Average of schools
Parking	0.0	-	0.00		0.0	0.6
Public transports	0.3		0.00		0.3	0.6
CO ₂ emissions	3.9	->	0.00		3.9	2.9
Total transport	1.6	\Rightarrow	0.00		1.6	1.5
Green procurement	Results		Deviation		Initial results	Average of schools
Equipment	0.0	→	0.00		0.0	0.9
Paper	2.4		0.00		2.4	2.0
Training	0.0		0.00		0.0	0.1
Eco-driving	0.0	->	0.00		0.0	0.0
Food	0.0	>	0.00		0.0	0.2
Suppliers	0.0	-	0.00		0.0	1.0
Total	1.2	\Rightarrow	0.00	_	1.2	1.3
Green spaces	Results		Deviation		Initial results	Average of schools
Green areas	0.2	→	0.00	_	0.2	1.0
Usage of chemicals	5.0	-	0.00		5.0	4.6
CO ₂ sequestration	0.0	\Rightarrow	0.00		0.0	0.7
CO ₂ emissions	5.0	-	0.00		5.0	4.6
Total	2.6	\Rightarrow	0.00	_	2.6	2.7
Indoor Air Quality	Results		Deviation		Initial results	Average of schools
Air pollutants	3.8	4	-0.16		3.9	4.0
Ventilation	3.0	1	+0.95		2.1	3.4
Thermal comfort	3.8	•	-1.00		4.8	3.2
Total	3.5	Ψ	-0.07		3.6	3.5
Energy	Results		Deviation		Initial results	Average of schools
Energy consumption	4.9	Ψ	-0.07		5.0	3.4
Energy cost	4.7	•	-0.05		4.7	3.8
Renewable energy	0.0	\Rightarrow	0.00		0.0	0.2
CO ₂ emissions	4.5	•	-0.12		4.7	2.4
Total	3.5	Ψ	-0.06		3.6	2.5
Water	Results		Deviation		Initial results	Average of schools
Water consumption/m ²	4.8	介	+0.09	_	4.7	4.1
Water consumption/student	4.9	1	+0.01		4.9	4.4
Water cost/m ²	4.7	1	+0.04		4.7	3.7
Water cost/student	4.8	1	+0.03		4.8	3.6
Total	4.8	1	+0.04	_	4.8	4.0
Waste	Results		Deviation		Initial results	Average of schools
Waste produced	5.5	1	+2.90		2.6	2.2
Waste recycled	0.1	1	+0.02		0.1	0.9
Waste reused	2.8	į.	-1.95		4.8	0.5
Total	3.5	1	+0.97		2.5	1.5
	0.0					2.0





FOLLOW-UP REPORT. COMPARISON WITH INITIAL PERFORMANCE

- IES ITACA -



FOR A LOW CARBON ECONOMY

JUNE 2019



This report provides a comparison with the initial environmental performance of school, with the aim of following-up of activities carried out in school. Environmental and energy performance was assessed based on audits and surveys in schools in order to reduce resources consumption and respective associated costs and CO₂ emissions.

ENVIRONMENTAL AND ENERGY SECTORS CHARACTERIZATION

TRANSPORTS	Transports sector survey analysed the users' behaviour based on the transport mode used in the home-school path, quantifying the CO ₂ emissions associated, and also based in the quantification of different parking spaces (disable, electric and bicycle) in schools, and the transports access and availability nearby schools.
GREEN PROCUREMENT	Green procurement audits evaluated the negative environmental impact of products and services acquired by the school. This analyses was based on electric and electronic equipment labelling, consumption of recycled paper, training in green procurement and eco-driving, and preference for food with biological certificate and local suppliers.
GREEN SPACES	Green areas have a huge influence in CO_2 emissions and sequestration. Green spaces audits analysed and quantified the green areas, the CO_2 sequestration, the use of chemists and resources consumption associated to the green areas maintenance, and the CO_2 emissions.
INDOOR AIR QUALITY	IAQ and comfort audits were performed based on measurements in selected rooms to be representative of the building in terms of size, number of occupants and activities, furnishings or equipment that can release pollutants to the indoor air. Main indoor and outdoor pollutants were identified and analysed.
ENERGY	Energy audits evaluated the energy consumption of the schools of the last three years (2014, 2015, and 2016), and its ${\rm CO_2}$ emissions associated.
WATER	Water audits identified how much water was being consumed in schools for each use or sector, based on measurements and water losses and leakages, for the last three years (2014, 2015, and 2016), and its CO_2 emissions associated.
WASTE	Waste audits quantified the volume of waste produced, recycled and reused in schools, divided in categories: waste disposed, waste composted-organic, waste reused and waste recycled. It is to develop sustainable waste management practices.

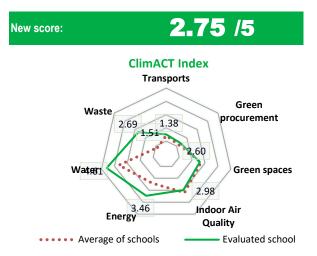
Pilot school: IES ITACA



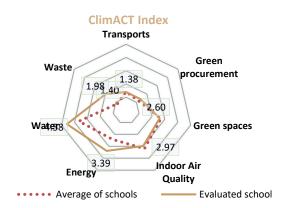
The follow-up comparison of environmental performance of school is as follows:

UPDATED RESULTS (0-5)

PREVIOUS RESULTS (0-5)







Sector	Results	Deviation
Transports	1.51	1 +0.11
Green procurement	1.38	→ 0.00
Green spaces	2.60	→ 0.00
Indoor Air Quality	2.98	+0.01
Energy	3.46	+0.08
Water	4.61	+0.02
Waste	2.69	+0.71

Sector	Initial results	Average of schools
Transports	1.40	1.42
Green procurement	1.38	1.19
Green spaces	2.60	2.70
Indoor Air Quality	2.97	3.20
Energy	3.39	2.41
Water	4.58	3.65
Waste	1.98	0.83

Comparing the final results obtained in the school with the previous environmental performance, we obtain a percentage of improvement as follows:



Pilot school: IES ITACA 3



The follow-up comparison with regard to the breakdown of indicators per environmental sector is the following:

UPDATED RESULTS (U-5) PREVIOUS RESULTS (U-5)	UPDATED RESULTS (0-5)	PREVIOUS RESULTS (0-5)
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	OF DATED IN		(0.0)	FILL VIOUS INL	30213 (0-3)
Transports	Results		Deviation	Initial results	Average of schools
Parking	0.1	→	0.00	0.1	0.6
Public transports	0.1	\Rightarrow	0.00	0.1	0.6
CO ₂ emissions	3.6	1	+ 0.27	3.4	2.9
Total transport	1.5	1	+0.11	1.4	1.5
Green procurement	Results		Deviation	Initial results	Average of schools
Equipment	0.1	→	0.00	0.1	0.9
Paper	2.4	\Rightarrow	0.00	2.4	2.0
Training	0.0	\Rightarrow	0.00	0.0	0.1
Eco-driving	0.0	\Rightarrow	0.00	0.0	0.0
Food	0.0	-	0.00	0.0	0.2
Suppliers	2.5	-	0.00	2.5	1.0
Total	1.4	→	0.00	1.4	1.3
Green spaces	Results		Deviation	Initial results	Average of schools
Green areas	0.8	→	0.00	0.8	1.0
Usage of chemicals	5.0	\Rightarrow	0.00	5.0	4.6
CO ₂ sequestration	0.0	\Rightarrow	0.00	0.0	0.7
CO ₂ emissions	4.5	\Rightarrow	0.00	4.5	4.6
Total	2.6	⇒	0.00	2.6	2.7
Indoor Air Quality	Results		Deviation	Initial results	Average of schools
Air pollutants	4.2	→	0.00	4.2	4.0
Ventilation	1.0	•	-0.24	1.3	3.4
Thermal comfort	3.7	1	+0.28	3.4	3.2
Total	3.0	<u>↑</u>	+0.01	3.0	3.5
Energy	Results		Deviation	Initial results	Average of schools
Energy consumption	4.9	1	+0.09	4.8	3.4
Energy cost	4.5	1	+0.06	4.5	3.8
Renewable energy	0.0	\Rightarrow	0.00	0.0	0.2
CO ₂ emissions	4.4	1	+0.16	4.3	2.4
Total	3.5	↑	+0.08	3.4	2.5
Water	Results		Deviation	Initial results	Average of schools
Water consumption/m ²	4.7	1	+0.09	4.6	4.1
Water consumption/student	4.9	→	+0.01	4.9	4.4
Water cost/m ²	4.3		0.00	4.3	3.7
Water cost/student	4.5		0.00	4.5	3.6
Total	4.6	1	+0.02	4.6	4.0
Waste	Results		Deviation	Initial results	Average of schools
Waste produced	3.0	Ψ.	-0.24	3.2	2.2
Waste recycled	1.7	1	+1.34	0.3	0.9
Waste reused	3.1	•	+1.97	1.2	0.5
Total	2.7	1	+0.71	2.0	1.5

Pilot school: IES ITACA 4





FOLLOW-UP REPORT. COMPARISON WITH INITIAL PERFORMANCE

- IES Nervión -



FOR A LOW CARBON ECONOMY

JUNE 2019



This report provides a comparison with the initial environmental performance of school, with the aim of following-up of activities carried out in school. Environmental and energy performance was assessed based on audits and surveys in schools in order to reduce resources consumption and respective associated costs and CO₂ emissions.

ENVIRONMENTAL AND ENERGY SECTORS CHARACTERIZATION

TRANSPORTS	Transports sector survey analysed the users' behaviour based on the transport mode used in the home-school path, quantifying the CO ₂ emissions associated, and also based in the quantification of different parking spaces (disable, electric and bicycle) in schools, and the transports access and availability nearby schools.
GREEN PROCUREMENT	Green procurement audits evaluated the negative environmental impact of products and services acquired by the school. This analyses was based on electric and electronic equipment labelling, consumption of recycled paper, training in green procurement and eco-driving, and preference for food with biological certificate and local suppliers.
GREEN SPACES	Green areas have a huge influence in CO_2 emissions and sequestration. Green spaces audits analysed and quantified the green areas, the CO_2 sequestration, the use of chemists and resources consumption associated to the green areas maintenance, and the CO_2 emissions.
INDOOR AIR QUALITY	IAQ and comfort audits were performed based on measurements in selected rooms to be representative of the building in terms of size, number of occupants and activities, furnishings or equipment that can release pollutants to the indoor air. Main indoor and outdoor pollutants were identified and analysed.
ENERGY	Energy audits evaluated the energy consumption of the schools of the last three years (2014, 2015, and 2016), and its ${\rm CO_2}$ emissions associated.
WATER	Water audits identified how much water was being consumed in schools for each use or sector, based on measurements and water losses and leakages, for the last three years (2014, 2015, and 2016), and its CO_2 emissions associated.
WASTE	Waste audits quantified the volume of waste produced, recycled and reused in schools, divided in categories: waste disposed, waste composted-organic, waste reused and waste recycled. It is to develop sustainable waste management practices.

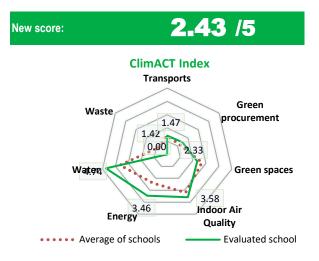
Pilot school: IES Nervión



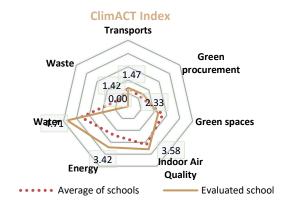
The follow-up comparison of environmental performance of school is as follows:

UPDATED RESULTS (0-5)

PREVIOUS RESULTS (0-5)







Sector	Results	Deviation
Transports	1.42	→ 0.00
Green procurement	1.47	→ 0.00
Green spaces	2.33	→ 0.00
Indoor Air Quality	3.58	→ 0.00
Energy	3.46	+0.04
Water	4.74	+0.02
Waste	0.00	→ 0.00

Sector	Initial results	Average of schools
Transports	1.42	1.42
Green procurement	1.47	1.19
Green spaces	2.33	2.70
Indoor Air Quality	3.58	3.20
Energy	3.42	2.41
Water	4.71	3.65
Waste	0.00	0.83

Comparing the final results obtained in the school with the previous environmental performance, we obtain a percentage of improvement as follows:



Pilot school: IES Nervión



The follow-up comparison with regard to the breakdown of indicators per environmental sector is the following:

UPDATED RESULTS (U-5) PREVIOUS RESULTS (U-5)	UPDATED RESULTS (0-5)	PREVIOUS RESULTS (0-5)
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			(0.0)	_		(0.07
Transports	Results		Deviation		Initial results	Average of schools
Parking	0.0	→	0.00		0.0	0.6
Public transports	0.2	-	0.00		0.2	0.6
CO ₂ emissions	3.4	-	0.00		3.4	2.9
Total transport	1.4	→	0.00		1.4	1.5
Green procurement	Results		Deviation		Initial results	Average of schools
Equipment	0.4	→	0.00		0.4	0.9
Paper	2.4	-	0.00		2.4	2.0
Training	0.0	-	0.00		0.0	0.1
Eco-driving	0.0	\Rightarrow	0.00		0.0	0.0
Food	0.0	\Rightarrow	0.00		0.0	0.2
Suppliers	2.5	-	0.00		2.5	1.0
Total	1.5	→	0.00		1.5	1.3
Green spaces	Results		Deviation		Initial results	Average of schools
Green areas	1.5	→	0.00		1.5	1.0
Usage of chemicals	5.0	\Rightarrow	0.00		5.0	4.6
CO ₂ sequestration	0.2	\Rightarrow	0.00		0.2	0.7
CO ₂ emissions	2.7	\Rightarrow	0.00		2.7	4.6
Total	2.3	⇒	0.00		2.3	2.7
Indoor Air Quality	Results		Deviation		Initial results	Average of schools
Air pollutants	4.2	→	0.00		4.2	4.0
Ventilation	1.5	\Rightarrow	0.00		1.5	3.4
Thermal comfort	5.0	\Rightarrow	0.00		5.0	3.2
Total	3.6	→	0.00		3.6	3.5
Energy	Results		Deviation		Initial results	Average of schools
Energy consumption	4.8	1	+0.02		4.8	3.4
Energy cost	4.7	1	+0.08		4.6	3.8
Renewable energy	0.0	→	0.00		0.0	0.2
CO ₂ emissions	4.3	1	+0.05		4.2	2.4
Total	3.5	1	+0.04	_	3.4	2.5
Water	Results		Deviation		Initial results	Average of schools
Water consumption/m ²	4.7	1	+0.09		4.6	4.1
Water consumption/student	4.9	→	+0.00		4.9	4.4
Water cost/m ²	4.5	→	0.00		4.5	3.7
Water cost/student	4.8	→	0.00		4.8	3.6
Total	4.7	↑	+0.02		4.7	4.0
Waste	Results		Deviation		Initial results	Average of schools
Waste produced	0.0	→	0.00		0.0	2.2
Waste recycled	0.0	→	0.00		0.0	0.9
Waste reused	0.0	→	0.00		0.0	0.5
Total	0.0	→	0.00		0.0	1.5

Pilot school: IES Nervión 4





FOLLOW-UP REPORT. COMPARISON WITH INITIAL PERFORMANCE

- IES Martín Rivero -



FOR A LOW CARBON ECONOMY

JUNE 2019



This report provides a comparison with the initial environmental performance of school, with the aim of following-up of activities carried out in school. Environmental and energy performance was assessed based on audits and surveys in schools in order to reduce resources consumption and respective associated costs and CO₂ emissions.

ENVIRONMENTAL AND ENERGY SECTORS CHARACTERIZATION

TRANSPORTS	Transports sector survey analysed the users' behaviour based on the transport mode used in the home-school path, quantifying the $\rm CO_2$ emissions associated, and also based in the quantification of different parking spaces (disable, electric and bicycle) in schools, and the transports access and availability nearby schools.
GREEN PROCUREMENT	Green procurement audits evaluated the negative environmental impact of products and services acquired by the school. This analyses was based on electric and electronic equipment labelling, consumption of recycled paper, training in green procurement and eco-driving, and preference for food with biological certificate and local suppliers.
GREEN SPACES	Green areas have a huge influence in CO_2 emissions and sequestration. Green spaces audits analysed and quantified the green areas, the CO_2 sequestration, the use of chemists and resources consumption associated to the green areas maintenance, and the CO_2 emissions.
INDOOR AIR QUALITY	IAQ and comfort audits were performed based on measurements in selected rooms to be representative of the building in terms of size, number of occupants and activities, furnishings or equipment that can release pollutants to the indoor air. Main indoor and outdoor pollutants were identified and analysed.
ENERGY 3	Energy audits evaluated the energy consumption of the schools of the last three years (2014, 2015, and 2016), and its ${\rm CO_2}$ emissions associated.
WATER	Water audits identified how much water was being consumed in schools for each use or sector, based on measurements and water losses and leakages, for the last three years (2014, 2015, and 2016), and its CO_2 emissions associated.
WASTE	Waste audits quantified the volume of waste produced, recycled and reused in schools, divided in categories: waste disposed, waste composted-organic, waste reused and waste recycled. It is to develop sustainable waste management practices.

Pilot school: IES Martín Rivero 2



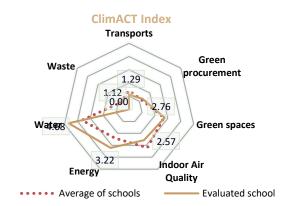
The follow-up comparison of environmental performance of school is as follows:

UPDATED RESULTS (0-5)

PREVIOUS RESULTS (0-5)

New score: **ClimACT Index** Transports Green Waste procurement 1.29 1,41 0.35 Waten **Green spaces** 2,57 3.24 Indoor Air Energy Quality • • • • • Average of schools Evaluated school

Previous score: 2.23 /5



Sector	Results	Deviation
Transports	1.41	+0.29
Green procurement	1.29	→ 0.00
Green spaces	2.76	→ 0.00
Indoor Air Quality	2.57	→ 0.00
Energy	3.24	+0.03
Water	4.71	+0.03
Waste	0.35	+0.35

Initial results	Average of schools
1.12	1.42
1.29	1.19
2.76	2.70
2.57	3.20
3.22	2.41
4.68	3.65
0.00	0.83
	1.12 1.29 2.76 2.57 3.22 4.68





The follow-up comparison with regard to the breakdown of indicators per environmental sector is the following:

UPDATED RESULTS (0-5) PREVIOUS RESULTS (0-5)

Transports	Results		Deviation	Initial results	Average of schools
Parking	0.1	-	0.00	0.1	0.6
Public transports	0.1		0.00	0.1	0.6
CO ₂ emissions	3.4	1	+ 0.73	2.6	2.9
Total transport	1.4	1	+0.29	1.1	1.5
Green procurement	Results		Deviation	Initial results	Average of schools
Equipment	0.0	→	0.00	0.0	0.9
Paper	2.6		0.00	2.6	2.0
Training	0.0		0.00	0.0	0.1
Eco-driving	0.0	->	0.00	0.0	0.0
Food	0.0	>	0.00	0.0	0.2
Suppliers	0.0	>	0.00	0.0	1.0
Total	1.3	\Rightarrow	0.00	1.3	1.3
Green spaces	Results		Deviation	Initial results	Average of schools
Green areas	0.7	→	0.00	0.7	1.0
Usage of chemicals	5.0	-	0.00	5.0	4.6
CO ₂ sequestration	0.3	-	0.00	0.3	0.7
CO ₂ emissions	5.0	-	0.00	5.0	4.6
Total	2.8	\Rightarrow	0.00	2.8	2.7
Indoor Air Quality	Results		Deviation	Initial results	Average of schools
Air pollutants	0.8	→	0.00	0.8	4.0
Ventilation	2.0	->	0.00	2.0	3.4
Thermal comfort	5.0	>	0.00	5.0	3.2
Total	2.6	⇒	0.00	2.6	3.5
Energy	Results		Deviation	Initial results	Average of schools
Energy consumption	4.6	1	+0.03	4.6	3.4
Energy cost	4.6	1	+0.04	4.6	3.8
Renewable energy	0.0	\Rightarrow	0.00	0.0	0.2
CO ₂ emissions	3.7	1	+0.05	3.7	2.4
Total	3.2	1	+0.03	3.2	2.5
Water	Results		Deviation	Initial results	Average of schools
Water consumption/m ²	4.6	介	+0.12	4.5	4.1
Water consumption/student	4.8	→	+0.01	4.8	4.4
Water cost/m ²	4.6	→	0.00	4.6	3.7
Water cost/student	4.8	-	0.00	4.8	3.6
Total	4.7	↑	+0.03	4.7	4.0
Waste	Results		Deviation	Initial results	Average of schools
Waste produced	0.0	→	0.00	0.0	2.2
-	0.0				
Waste recycled	1.4		+1.39	0.0	0.9
Waste recycled Waste reused		↑ →			0.9 0.5





FOLLOW-UP REPORT. COMPARISON WITH INITIAL PERFORMANCE

- IES Juan Ciudad Duarte -



FOR A LOW CARBON ECONOMY

JUNE 2019



This report provides a comparison with the initial environmental performance of school, with the aim of following-up of activities carried out in school. Environmental and energy performance was assessed based on audits and surveys in schools in order to reduce resources consumption and respective associated costs and CO₂ emissions.

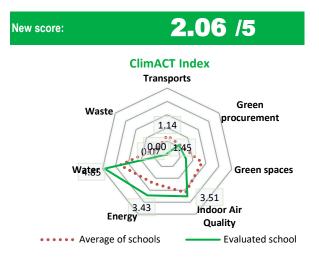
TRANSPORTS	Transports sector survey analysed the users' behaviour based on the transport mode used in the home-school path, quantifying the $\rm CO_2$ emissions associated, and also based in the quantification of different parking spaces (disable, electric and bicycle) in schools, and the transports access and availability nearby schools.
GREEN PROCUREMENT	Green procurement audits evaluated the negative environmental impact of products and services acquired by the school. This analyses was based on electric and electronic equipment labelling, consumption of recycled paper, training in green procurement and eco-driving, and preference for food with biological certificate and local suppliers.
GREEN SPACES	Green areas have a huge influence in CO_2 emissions and sequestration. Green spaces audits analysed and quantified the green areas, the CO_2 sequestration, the use of chemists and resources consumption associated to the green areas maintenance, and the CO_2 emissions.
INDOOR AIR QUALITY	IAQ and comfort audits were performed based on measurements in selected rooms to be representative of the building in terms of size, number of occupants and activities, furnishings or equipment that can release pollutants to the indoor air. Main indoor and outdoor pollutants were identified and analysed.
ENERGY 4	Energy audits evaluated the energy consumption of the schools of the last three years (2014, 2015, and 2016), and its ${\rm CO_2}$ emissions associated.
WATER	Water audits identified how much water was being consumed in schools for each use or sector, based on measurements and water losses and leakages, for the last three years (2014, 2015, and 2016), and its $\rm CO_2$ emissions associated.
WASTE	Waste audits quantified the volume of waste produced, recycled and reused in schools, divided in categories: waste disposed, waste composted-organic, waste reused and waste recycled. It is to develop sustainable waste management practices.

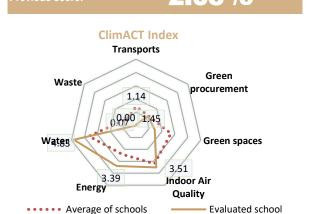


The follow-up comparison of environmental performance of school is as follows:

UPDATED RESULTS (0-5)

PREVIOUS RESULTS (0-5)





Sector	Results	Deviation
Transports	0.07	→ 0.00
Green procurement	1.14	→ 0.00
Green spaces	1.45	→ 0.00
Indoor Air Quality	3.51	→ 0.00
Energy	3.43	+0.04
Water	4.85	+0.02
Waste	0.00	→ 0.00

Sector	Initial results	Average of schools
Transports	0.07	1.42
Green procurement	1.14	1.19
Green spaces	1.45	2.70
Indoor Air Quality	3.51	3.20
Energy	3.39	2.41
Water	4.83	3.65
Waste	0.00	0.83





The follow-up comparison with regard to the breakdown of indicators per environmental sector is the following:

UPDATED RESULTS (0-5) PREVIOUS RESULTS (0-5)

Transports	Results		Deviation	Initial results	Average of schools
Parking	0.1	-	0.00	0.1	0.6
Public transports	0.1		0.00	0.1	0.6
CO ₂ emissions	0.0	->	0.00	0.0	2.9
Total transport	0.1	\Rightarrow	0.00	0.1	1.5
Green procurement	Results		Deviation	Initial results	Average of schools
Equipment	0.0	→	0.00	0.0	0.9
Paper	2.3		0.00	2.3	2.0
Training	0.0		0.00	0.0	0.1
Eco-driving	0.0	->	0.00	0.0	0.0
Food	0.0	-	0.00	0.0	0.2
Suppliers	0.0	>	0.00	0.0	1.0
Total	1.1	⇒	0.00	1.1	1.3
Green spaces	Results		Deviation	Initial results	Average of schools
Green areas	0.6	→	0.00	0.6	1.0
Usage of chemicals	0.0	-	0.00	0.0	4.6
CO ₂ sequestration	0.2	-	0.00	0.2	0.7
CO ₂ emissions	5.0	-	0.00	5.0	4.6
Total	1.4	\Rightarrow	0.00	1.4	2.7
Indoor Air Quality	Results		Deviation	Initial results	Average of schools
Air pollutants	4.2	→	0.00	4.2	4.0
Ventilation	1.8	>	0.00	1.8	3.4
Thermal comfort	4.6	-	0.00	4.6	3.2
Total	3.5	⇒	0.00	3.5	3.5
Energy	Results		Deviation	Initial results	Average of schools
Energy consumption	4.8	1	+0.03	4.8	3.4
Energy cost	4.5	1	+0.11	4.4	3.8
Renewable energy	0.0	\Rightarrow	0.00	0.0	0.2
CO ₂ emissions	4.4	1	+0.04	4.4	2.4
Total	3.4	1	+0.04	3.4	2.5
Water	Results		Deviation	Initial results	Average of schools
Water consumption/m ²	4.8	介	+0.07	4.7	4.1
Water consumption/student	4.9	→	+0.00	4.9	4.4
Water cost/m ²	4.8	→	0.00	4.8	3.7
Water cost/student	4.9	→	0.00	4.9	3.6
Total	4.8	1	+0.02	4.8	4.0
Waste	Results		Deviation	Initial results	Average of schools
Waste produced	0.0	→	0.00	0.0	2.2
Waste recycled	0.0	→	0.00	0.0	0.9
waste recycleu	0.0	7/	0.00	0.0	
Waste recycled Waste reused	0.0	→ →	0.00	0.0	0.5





FOLLOW-UP REPORT. COMPARISON WITH INITIAL PERFORMANCE

- Instituto Educación Secundaria Cardenal Cisneros -



FOR A LOW CARBON ECONOMY

JUNE 2019



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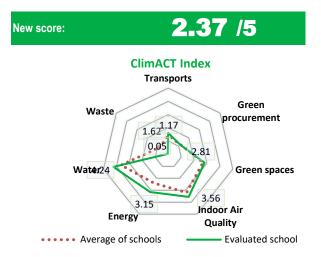
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ENERGY 4	Energy audits evaluated the energy consumption of the schools of the last three years (2014, 2015, and 2016), and its ${\rm CO_2}$ emissions associated.
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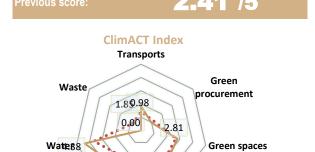


The follow-up comparison of environmental performance of school is as follows:

UPDATED RESULTS (0-5)

PREVIOUS RESULTS (0-5)





3.31

Energy

• • • • • Average of schools

3.56

Indoor Air

Quality

Evaluated school

Sector	Results	Deviation
Transports	1.62	- 0.23
Green procurement	1.17	1 +0.19
Green spaces	2.81	→ 0.00
Indoor Air Quality	3.56	→ 0.00
Energy	3.15	-0.16
Water	4.24	-0.15
Waste	0.05	1 +0.05

Sector	Initial results	Average of schools
Transports	1.85	1.42
Green procurement	0.98	1.19
Green spaces	2.81	2.70
Indoor Air Quality	3.56	3.20
Energy	3.31	2.41
Water	4.38	3.65
Waste	0.00	0.83





The follow-up comparison with regard to the breakdown of indicators per environmental sector is the following:

UPDATED RESULTS (0-5) PREVIOUS RESULTS (0-5)

Transports	Results		Deviation	Initial results	Average of schools
Parking	0.0	-	0.00	0.0	0.6
Public transports	0.7		0.00	0.7	0.6
CO ₂ emissions	3.7	Ψ	- 0.56	4.2	2.9
Total transport	1.6	4	-0.23	1.8	1.5
Green procurement	Results		Deviation	Initial results	Average of schools
Equipment	0.2	→	0.00	0.2	0.9
Paper	2.3	1	+0.38	1.9	2.0
Training	0.0		0.00	0.0	0.1
Eco-driving	0.0	->	0.00	0.0	0.0
Food	0.0	>	0.00	0.0	0.2
Suppliers	0.0	-	0.00	0.0	1.0
Total	1.2	1	+0.19	1.0	1.3
Green spaces	Results		Deviation	Initial results	Average of schools
Green areas	0.8	→	0.00	0.8	1.0
Usage of chemicals	5.0	-	0.00	5.0	4.6
CO ₂ sequestration	0.4	-	0.00	0.4	0.7
CO ₂ emissions	5.0	-	0.00	5.0	4.6
Total	2.8	\Rightarrow	0.00	2.8	2.7
Indoor Air Quality	Results		Deviation	Initial results	Average of schools
Air pollutants	4.4	->	0.00	4.4	4.0
Ventilation	1.6	-	0.00	1.6	3.4
Thermal comfort	4.7	-	0.00	4.7	3.2
Total	3.6	→	0.00	3.6	3.5
Energy	Results		Deviation	Initial results	Average of schools
Energy consumption	4.5	Ψ	-0.05	4.5	3.4
Energy cost	4.2	•	-0.45	4.6	3.8
Renewable energy	0.0		0.00	0.0	0.2
CO ₂ emissions	3.9	•	-0.14	4.1	2.4
Total	3.1	Ψ	-0.16	3.3	2.5
Water	Results		Deviation	Initial results	Average of schools
Water consumption/m ²	4.0	4	-0.03	4.0	4.1
Water consumption/student	4.7	Ů.	-0.07	4.8	4.4
Water cost/m ²	3.8	Ů.	-0.32	4.1	3.7
Water cost/student	4.4	Ů.	-0.18	4.6	3.6
Total	4.2	₩	-0.15	4.4	4.0
Waste	Results		Deviation	Initial results	Average of schools
Waste produced		→	0.00	0.0	2.2
	0.0	7/		0.0	
•	0.0		+0.20	0.0	0.9
Waste recycled Waste reused		↑ →			





FOLLOW-UP REPORT. COMPARISON WITH INITIAL PERFORMANCE

- Colegio de Educación Infantil y Primaria Cardenal Cisneros -



FOR A LOW CARBON ECONOMY

JUNE 2019



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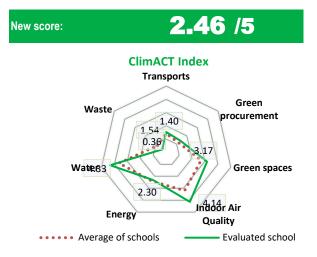
TRANSPORTS	Transports sector survey analysed the users' behaviour based on the transport mode used in the home-school path, quantifying the $\rm CO_2$ emissions associated, and also based in the quantification of different parking spaces (disable, electric and bicycle) in schools, and the transports access and availability nearby schools.
GREEN PROCUREMENT	Green procurement audits evaluated the negative environmental impact of products and services acquired by the school. This analyses was based on electric and electronic equipment labelling, consumption of recycled paper, training in green procurement and eco-driving, and preference for food with biological certificate and local suppliers.
GREEN SPACES	Green areas have a huge influence in CO_2 emissions and sequestration. Green spaces audits analysed and quantified the green areas, the CO_2 sequestration, the use of chemists and resources consumption associated to the green areas maintenance, and the CO_2 emissions.
INDOOR AIR QUALITY	IAQ and comfort audits were performed based on measurements in selected rooms to be representative of the building in terms of size, number of occupants and activities, furnishings or equipment that can release pollutants to the indoor air. Main indoor and outdoor pollutants were identified and analysed.
ENERGY 4	Energy audits evaluated the energy consumption of the schools of the last three years (2014, 2015, and 2016), and its ${\rm CO_2}$ emissions associated.
WATER	Water audits identified how much water was being consumed in schools for each use or sector, based on measurements and water losses and leakages, for the last three years (2014, 2015, and 2016), and its CO_2 emissions associated.
WASTE	Waste audits quantified the volume of waste produced, recycled and reused in schools, divided in categories: waste disposed, waste composted-organic, waste reused and waste recycled. It is to develop sustainable waste management practices.



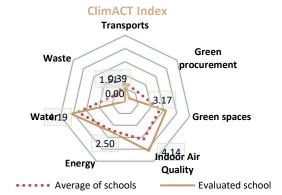
The follow-up comparison of environmental performance of school is as follows:

UPDATED RESULTS (0-5)

PREVIOUS RESULTS (0-5)







Sector	Results	Deviation
Transports	1.54	+0.03
Green procurement	1.40	1.01
Green spaces	3.17	→ 0.00
Indoor Air Quality	4.14	→ 0.00
Energy	2.30	-0.21
Water	4.33	+0.14
Waste	0.36	1 +0.36

Sector	Initial results	Average of schools
Transports	1.51	1.42
Green procurement	0.39	1.19
Green spaces	3.17	2.70
Indoor Air Quality	4.14	3.20
Energy	2.50	2.41
Water	4.19	3.65
Waste	0.00	0.83





The follow-up comparison with regard to the breakdown of indicators per environmental sector is the following:

UPDATED RESULTS (0-5) PREVIOUS RESULTS (0-5)

Transports	Results		Deviation	Initial results	Average of schools
Parking	0.0	\Rightarrow	0.00	0.0	0.6
Public transports	0.7	\Rightarrow	0.00	0.7	0.6
CO ₂ emissions	3.5	1	+ 0.09	3.4	2.9
Total transport	1.5	1	+0.03	1.5	1.5
Green procurement	Results		Deviation	Initial results	Average of schools
Equipment	0.0	⇒	0.00	0.0	0.9
Paper	2.5	1	+2.03	0.5	2.0
Training	0.0	-	0.00	0.0	0.1
Eco-driving	0.0	-	0.00	0.0	0.0
Food	0.0	\Rightarrow	0.00	0.0	0.2
Suppliers	2.5	\Rightarrow	0.00	2.5	1.0
Total	1.4	↑	+1.01	0.4	1.3
Green spaces	Results		Deviation	Initial results	Average of schools
Green areas	2.1	→	0.00	2.1	1.0
Usage of chemicals	5.0		0.00	5.0	4.6
CO ₂ sequestration	0.5	>	0.00	0.5	0.7
CO ₂ emissions	5.0	->	0.00	5.0	4.6
Total	3.2	->	0.00	3.2	2.7
Indoor Air Quality	Results		Deviation	Initial results	Average of schools
Air pollutants	4.4	-	0.00	4.4	4.0
Ventilation	3.4	>	0.00	3.4	3.4
Thermal comfort	4.6	>	0.00	4.6	3.2
Total	4.1	→	0.00	4.1	3.5
Energy	Results		Deviation	Initial results	Average of schools
Energy consumption	3.8	Ψ	-0.11	3.9	3.4
Energy cost	3.9	•	-0.46	4.4	3.8
Renewable energy	0.0	>	0.00	0.0	0.2
CO ₂ emissions	1.5	•	-0.26	1.8	2.4
Total	2.3	Ψ.	-0.21	2.5	2.5
Water	Results		Deviation	Initial results	Average of schools
Water consumption/m ²	4.4	1	+0.27	4.2	4.1
Water consumption/student	4.5	1	+0.09	4.4	4.4
Water cost/m ²	4.3	1	+0.09	4.3	3.7
Water cost/student	4.0	1	+0.13	3.9	3.6
Total	4.3	1	+0.14	4.2	4.0
Waste	Results		Deviation	Initial results	Average of schools
Waste produced	0.0	→	0.00	0.0	2.2
Waste recycled	1.5	1	+1.46	0.0	0.9
Waste reused	0.0	→	0.00	0.0	0.5





FOLLOW-UP REPORT. COMPARISON WITH INITIAL PERFORMANCE

- Instituto Educación Secundaria Gabriel García Márquez -



FOR A LOW CARBON ECONOMY

JUNE 2019



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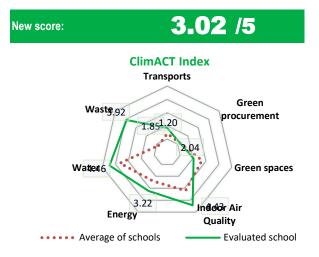
TRANSPORTS	Transports sector survey analysed the users' behaviour based on the transport mode used in the home-school path, quantifying the $\rm CO_2$ emissions associated, and also based in the quantification of different parking spaces (disable, electric and bicycle) in schools, and the transports access and availability nearby schools.
GREEN PROCUREMENT	Green procurement audits evaluated the negative environmental impact of products and services acquired by the school. This analyses was based on electric and electronic equipment labelling, consumption of recycled paper, training in green procurement and eco-driving, and preference for food with biological certificate and local suppliers.
GREEN SPACES	Green areas have a huge influence in CO_2 emissions and sequestration. Green spaces audits analysed and quantified the green areas, the CO_2 sequestration, the use of chemists and resources consumption associated to the green areas maintenance, and the CO_2 emissions.
INDOOR AIR QUALITY	IAQ and comfort audits were performed based on measurements in selected rooms to be representative of the building in terms of size, number of occupants and activities, furnishings or equipment that can release pollutants to the indoor air. Main indoor and outdoor pollutants were identified and analysed.
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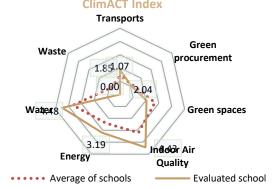
The follow-up comparison of environmental performance of school is as follows:

UPDATED RESULTS (0-5)

PREVIOUS RESULTS (0-5)







Sector	Results	Deviation
Transports	1.85	-0.01
Green procurement	1.20	1 +0.13
Green spaces	2.04	→ 0.00
Indoor Air Quality	4.43	→ 0.00
Energy	3.22	+0.03
Water	4.46	-0.03
Waste	3.92	+3.92

Sector	Initial results	Average of schools
Transports	1.85	1.42
Green procurement	1.07	1.19
Green spaces	2.04	2.70
Indoor Air Quality	4.43	3.20
Energy	3.19	2.41
Water	4.48	3.65
Waste	0.00	0.83





The follow-up comparison with regard to the breakdown of indicators per environmental sector is the following:

UPDATED RESULTS (0-5)

PREVIOUS RESULTS (0-5)

Transports	Results		Deviation	Initial results	Average of schools
Parking	0.0	-	0.00	0.0	0.6
Public transports	2.4	\Rightarrow	0.00	2.4	0.6
CO ₂ emissions	3.4	Ψ	- 0.02	3.4	2.9
Total transport	1.8	•	-0.01	1.9	1.5
Green procurement	Results		Deviation	Initial results	Average of schools
Equipment	0.1	-	0.00	0.1	0.9
Paper	2.3	1	+0.26	2.1	2.0
Training	0.0		0.00	0.0	0.1
Eco-driving	0.0	-	0.00	0.0	0.0
Food	0.0	->	0.00	0.0	0.2
Suppliers	0.0	-	0.00	0.0	1.0
Total	1.2	1	+0.13	1.1	1.3
Green spaces	Results		Deviation	Initial results	Average of schools
Green areas	3.3	→	0.00	3.3	1.0
Usage of chemicals	3.9	-	0.00	3.9	4.6
CO ₂ sequestration	1.0	>	0.00	1.0	0.7
CO ₂ emissions	0.0	->	0.00	0.0	4.6
Total	2.0	⇒	0.00	2.0	2.7
Indoor Air Quality	Results		Deviation	Initial results	Average of schools
Air pollutants	3.4	-	0.00	3.4	4.0
Ventilation	5.0	>	0.00	5.0	3.4
Thermal comfort	4.8	-	0.00	4.8	3.2
Total	4.4	⇒	0.00	4.4	3.5
Energy	Results		Deviation	Initial results	Average of schools
Energy consumption	4.6	1	+0.02	4.6	3.4
Energy cost	4.6	1	+0.04	4.5	3.8
Renewable energy	0.0	>	0.00	0.0	0.2
CO ₂ emissions	3.7	1	+0.07	3.6	2.4
Total	3.2	1	+0.03	3.2	2.5
Water	Results		Deviation	Initial results	Average of schools
Water consumption/m ²	4.7	1	+0.07	4.7	4.1
Water consumption/student	4.8	→	+0.01	4.8	4.4
Water cost/m ²	4.3	$ar{ullet}$	-0.08	4.4	3.7
Water cost/student	4.0	Ť	-0.11	4.1	3.6
Total	4.5	Ψ	-0.03	4.5	4.0
Waste	Results		Deviation	Initial results	Average of schools
Waste produced	7.8	1	+7.84	0.0	2.2
•	0.0	→	0.00	0.0	0.9
waste recycled					
Waste recycled Waste reused	0.0	→	0.00	0.0	0.5





FOLLOW-UP REPORT. COMPARISON WITH INITIAL PERFORMANCE

- Instituto de Educación Secundaria Ortega y Gasset -



FOR A LOW CARBON ECONOMY

JUNE 2019



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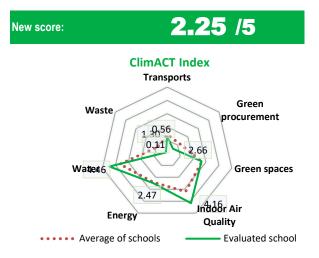
TRANSPORTS	Transports sector survey analysed the users' behaviour based on the transport mode used in the home-school path, quantifying the CO_2 emissions associated, and also based in the quantification of different parking spaces (disable, electric and bicycle) in schools, and the transports access and availability nearby schools.
GREEN PROCUREMENT	Green procurement audits evaluated the negative environmental impact of products and services acquired by the school. This analyses was based on electric and electronic equipment labelling, consumption of recycled paper, training in green procurement and eco-driving, and preference for food with biological certificate and local suppliers.
GREEN SPACES	Green areas have a huge influence in CO_2 emissions and sequestration. Green spaces audits analysed and quantified the green areas, the CO_2 sequestration, the use of chemists and resources consumption associated to the green areas maintenance, and the CO_2 emissions.
INDOOR AIR QUALITY	IAQ and comfort audits were performed based on measurements in selected rooms to be representative of the building in terms of size, number of occupants and activities, furnishings or equipment that can release pollutants to the indoor air. Main indoor and outdoor pollutants were identified and analysed.
ENERGY	Energy audits evaluated the energy consumption of the schools of the last three years (2014, 2015, and 2016), and its ${\rm CO_2}$ emissions associated.
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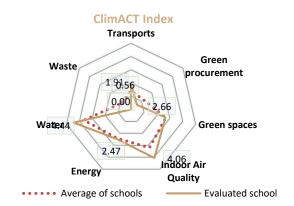
The follow-up comparison of environmental performance of school is as follows:

UPDATED RESULTS (0-5)

PREVIOUS RESULTS (0-5)







Sector	Results	Deviation
Transports	1.30	-0.61
Green procurement	0.56	→ 0.00
Green spaces	2.66	→ 0.00
Indoor Air Quality	4.16	+0.10
Energy	2.47	→ 0.00
Water	4.46	+0.02
Waste	0.11	<u></u> +0.11

Sector	Initial results	Average of schools
Transports	1.91	1.42
Green procurement	0.56	1.19
Green spaces	2.66	2.70
Indoor Air Quality	4.06	3.20
Energy	2.47	2.41
Water	4.44	3.65
Waste	0.00	0.83





The follow-up comparison with regard to the breakdown of indicators per environmental sector is the following:

UPDATED RESULTS (0-5) PREVIOUS RESULTS (0-5)

Transports	Results		Deviation	Initial results	Average of schools
Parking	0.1		0.00	0.1	0.6
Public transports	0.9		0.00	0.9	0.6
CO ₂ emissions	2.7	Ψ	- 1.53	4.3	2.9
Total transport	1.3	•	-0.61	1.9	1.5
Green procurement	Results		Deviation	Initial results	Average of schools
Equipment	0.0	→	0.00	0.0	0.9
Paper	1.1	-	0.00	1.1	2.0
Training	0.0	\Rightarrow	0.00	0.0	0.1
Eco-driving	0.0	-	0.00	0.0	0.0
Food	0.0	\Rightarrow	0.00	0.0	0.2
Suppliers	0.0	\Rightarrow	0.00	0.0	1.0
Total	0.6	→	0.00	0.6	1.3
Green spaces	Results		Deviation	Initial results	Average of schools
Green areas	0.5	-	0.00	0.5	1.0
Usage of chemicals	5.0	\Rightarrow	0.00	5.0	4.6
CO ₂ sequestration	0.2	->	0.00	0.2	0.7
CO ₂ emissions	5.0	→	0.00	5.0	4.6
Total	2.7	⇒	0.00	2.7	2.7
Indoor Air Quality	Results		Deviation	Initial results	Average of schools
Air pollutants	3.4	1	+0.31	3.1	4.0
Ventilation	5.0	→	0.00	5.0	3.4
Thermal comfort	4.1	->	0.00	4.1	3.2
Total	4.2	1	+0.10	4.1	3.5
Energy	Results		Deviation	Initial results	Average of schools
Energy consumption	4.0	→	0.00	4.0	3.4
Energy cost	3.8	\Rightarrow	0.00	3.8	3.8
Renewable energy	0.0	->	0.00	0.0	0.2
CO ₂ emissions	2.0	>	0.00	2.0	2.4
Total	2.5	→	0.00	2.5	2.5
Water	Results		Deviation	Initial results	Average of schools
Water consumption/m ²	4.8	1	+0.06	4.7	4.1
Water consumption/student	4.8	<u></u>	+0.01	4.8	4.4
Water cost/m ²	4.4	→	0.00	4.4	3.7
Water cost/student	3.9	→	0.00	3.9	3.6
Total	4.5	↑	+0.02	4.4	4.0
Waste	Results		Deviation	Initial results	Average of schools
Waste produced	0.0	→	0.00	0.0	2.2
- P				0.0	0.9
Waste recycled	0.5	ALC:	+0.45	U.U	U.S
Waste recycled Waste reused	0.5 0.0	↑ →	+0.45 0.00	0.0	0.5







FOLLOW-UP REPORT. COMPARISON WITH INITIAL PERFORMANCE

- Institut Universitaire de Technologie -



FOR A LOW CARBON ECONOMY

JUNE 2019



This report provides a comparison with the initial environmental performance of school, with the aim of following-up of activities carried out in school. Environmental and energy performance was assessed based on audits and surveys in schools in order to reduce resources consumption and respective associated costs and CO₂ emissions.

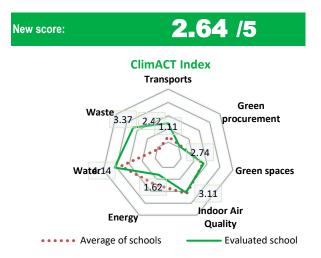
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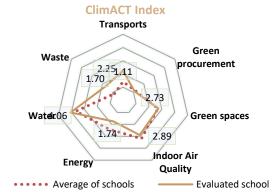
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UPDATED RESULTS (0-5)

PREVIOUS RESULTS (0-5)







Sector	Results	Deviation
Transports	2.42	+0.17
Green procurement	1.11	-0.01
Green spaces	2.74	→ +0.01
Indoor Air Quality	3.11	1 +0.22
Energy	1.62	- 0.12
Water	4.14	+0.07
Waste	3.37	1.67

Sector	Initial results	Average of schools
Transports	2.25	1.42
Green procurement	1.11	1.19
Green spaces	2.73	2.70
Indoor Air Quality	2.89	3.20
Energy	1.74	2.41
Water	4.06	3.65
Waste	1.70	0.83





The follow-up comparison with regard to the breakdown of indicators per environmental sector is the following:

UPDATED RESULTS (0-5)

PREVIOUS RESULTS (0-5)

Parking 2.2 ↑ +0.54 Public transports 0.5 → 0.00 CO₂ emissions 3.6 ↓ -0.10 Total transport 2.4 ↑ +0.17 Green procurement Results Deviation Equipment 0.0 → 0.00 Paper 2.2 ↓ -0.05 Training 0.3 ↑ +0.28 Eco-driving 0.0 → 0.00 Food 0.0 → 0.00 Suppliers 0.0 → 0.00 Total 1.1 ↓ -0.01 Green spaces Results Deviation Green areas 0.8 → 0.00 Usage of chemicals 5.0 → 0.00 CO₂ sequestration 0.1 ↑ +0.04 CO₂ emissions 5.0 → 0.00 Total 2.7 → +0.01 Indoor Air Quality Results Deviation Air pollutants 4.5 → 0.00 Ventilation 2.6 ↑ +0.58 Thermal comfort 2.2 ↑ +0.08 <	1.7 0.5 3.7 2.2 Initial results 0.0 2.2 0.0 0.0 0.0 0.0 1.1 Initial results 0.8 5.0 0.1 5.0 2.7 Initial results	0.6 0.6 2.9 1.5 Average of schools 0.9 2.0 0.1 0.0 0.2 1.0 1.3 Average of schools 1.0 4.6 0.7 4.6 2.7 Average of schools 4.0 3.4	
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Indoor Air Quality Results Deviation Air pollutants 4.5 → 0.00 Ventilation 2.6 ↑ +0.58 Thermal comfort 2.2 ↑ +0.08 Total 3.1 ↑ +0.22 Energy Results Deviation Energy consumption 2.1 ↓ -0.14 Energy cost 2.2 ↓ -0.13 Renewable energy 0.0 ↑ +0.02 CO₂ emissions 2.1 ↓ -0.22	Initial results 4.5 2.0	Average of schools 4.0	
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Thermal comfort 2.2 ↑ +0.08 Total 3.1 ↑ +0.22 Energy Results Deviation Energy consumption 2.1 ↓ -0.14 Energy cost 2.2 ↓ -0.13 Renewable energy 0.0 ↑ +0.02 CO₂ emissions 2.1 ↓ -0.22		3.4	
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Energy consumption 2.1	2.9	3.5	
Energy cost 2.2	Initial results	Average of schools	
Renewable energy 0.0 ↑ +0.02 CO₂ emissions 2.1 ↓ -0.22	2.2	3.4	
CO₂ emissions 2.1 ↓ -0.22	2.4	3.8	
·	0.0	0.2	
Total 1.6 ↓ -0.12	2.4	2.4	
	1.7	2.5	
Water Results Deviation	Initial results	Average of schools	
Water consumption/m² 4.5 ♠ +0.24	4.2	4.1	
Water consumption/student 4.8 ↑ +0.04	4.7	4.4	
Water cost/m ² 3.5 → +0.01	3.5	3.7	
Water cost/student 3.9 +0.01	3.9	3.6	
Total 4.1 +0.07	4.1	4.0	
Waste Results Deviation	Initial results	Average of schools	
Waste produced 6.4 ↑ +3.25	3.2	2.2	
Waste recycled 0.6 ↑ +0.17	0.4	0.9	
Waste reused 0.0 → 0.00	0.0		
Total 3.4 ↑ +1.67	0.0	0.5	





FOLLOW-UP REPORT. COMPARISON WITH INITIAL PERFORMANCE

- Lycée de Rompsay -



FOR A LOW CARBON ECONOMY

JUNE 2019



This report provides a comparison with the initial environmental performance of school, with the aim of following-up of activities carried out in school. Environmental and energy performance was assessed based on audits and surveys in schools in order to reduce resources consumption and respective associated costs and CO₂ emissions.

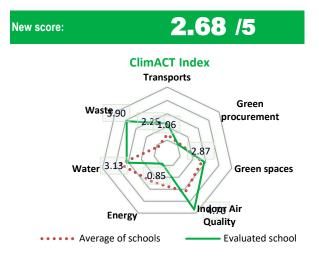
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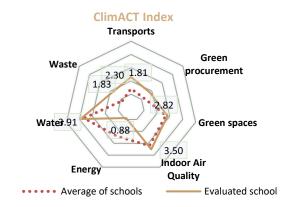
The follow-up comparison of environmental performance of school is as follows:

UPDATED RESULTS (0-5)

PREVIOUS RESULTS (0-5)







Sector	Results	Deviation
Transports	2.25	- 0.05
Green procurement	1.06	- 0.75
Green spaces	2.87	1 +0.05
Indoor Air Quality	4.70	1.20
Energy	0.85	-0.02
Water	3.13	- 0.78
Waste	3.90	1 +2.07

Sector	Initial results	schools
Transports	2.30	1.42
Green procurement	1.81	1.19
Green spaces	2.82	2.70
Indoor Air Quality	3.50	3.20
Energy	0.88	2.41
Water	3.91	3.65
Waste	1.83	0.83





The follow-up comparison with regard to the breakdown of indicators per environmental sector is the following:

UPDATED RESULTS (0-5)

PREVIOUS RESULTS (0-5)

Transports	Results		Deviation		Initial results	Average of schools
Parking	2.9	1	+0.64		2.2	0.6
Public transports	0.3		0.00		0.3	0.6
CO ₂ emissions	2.6	Ψ	- 0.75	_	3.4	2.9
Total transport	2.3	4	-0.05		2.3	1.5
Green procurement	Results		Deviation		Initial results	Average of schools
Equipment	0.0	→	0.00		0.0	0.9
Paper	1.9	•	-1.58		3.5	2.0
Training	0.3	1	+0.29		0.0	0.1
Eco-driving	0.0	->	0.00		0.0	0.0
Food	0.8	1	+0.35		0.4	0.2
Suppliers	0.5	→	0.00		0.5	1.0
Total	1.1	Ψ	-0.75	_	1.8	1.3
Green spaces	Results		Deviation		Initial results	Average of schools
Green areas	2.0	→	0.00		2.0	1.0
Usage of chemicals	5.0		0.00		5.0	4.6
CO ₂ sequestration	0.6	1	+0.18		0.4	0.7
CO ₂ emissions	3.8	->	0.00		3.8	4.6
Total	2.9	1	+0.05	_	2.8	2.7
Indoor Air Quality	Results		Deviation		Initial results	Average of schools
Air pollutants	5.0	1	+0.47		4.5	4.0
Ventilation	4.3	1	+1.77		2.5	3.4
Thermal comfort	4.8	1	+1.36		3.5	3.2
Total	4.7	1	+1.20	_	3.5	3.5
Energy	Results		Deviation		Initial results	Average of schools
Energy consumption	1.3	Ψ	-0.27		1.5	3.4
Energy cost	1.3	•	-0.23		1.5	3.8
Renewable energy	0.8	1	+0.40		0.4	0.2
CO ₂ emissions	0.0		0.00		0.0	2.4
Total	0.9	4	-0.02	_	0.9	2.5
Water	Results		Deviation		Initial results	Average of schools
Water consumption/m ²	4.5	4	-0.04	_	4.5	4.1
Water consumption/student	4.0	Ů.	-0.44		4.4	4.4
Water cost/m ²	3.7	Ů.	-0.42		4.1	3.7
Water cost/student	0.3	Ů.	-2.23		2.6	3.6
Total	3.1	ψ	-0.78		3.9	4.0
Waste	Results		Deviation		Initial results	Average of schools
Waste produced	6.1	1	+3.48	_	2.7	2.2
Waste recycled	3.3	•	+1.31		2.0	0.9
Waste reused	0.0	→	0.00		0.0	0.5
Total	3.9	1	+2.07		1.8	1.5
						=





FOLLOW-UP REPORT. COMPARISON WITH INITIAL PERFORMANCE

- Lycée Dautet -



FOR A LOW CARBON ECONOMY

JUNE 2019



This report provides a comparison with the initial environmental performance of school, with the aim of following-up of activities carried out in school. Environmental and energy performance was assessed based on audits and surveys in schools in order to reduce resources consumption and respective associated costs and CO₂ emissions.

ENVIRONMENTAL AND ENERGY SECTORS CHARACTERIZATION

TRANSPORTS	Transports sector survey analysed the users' behaviour based on the transport mode used in the home-school path, quantifying the CO ₂ emissions associated, and also based in the quantification of different parking spaces (disable, electric and bicycle) in schools, and the transports access and availability nearby schools.
GREEN PROCUREMENT	Green procurement audits evaluated the negative environmental impact of products and services acquired by the school. This analyses was based on electric and electronic equipment labelling, consumption of recycled paper, training in green procurement and eco-driving, and preference for food with biological certificate and local suppliers.
GREEN SPACES	Green areas have a huge influence in CO_2 emissions and sequestration. Green spaces audits analysed and quantified the green areas, the CO_2 sequestration, the use of chemists and resources consumption associated to the green areas maintenance, and the CO_2 emissions.
INDOOR AIR QUALITY	IAQ and comfort audits were performed based on measurements in selected rooms to be representative of the building in terms of size, number of occupants and activities, furnishings or equipment that can release pollutants to the indoor air. Main indoor and outdoor pollutants were identified and analysed.
ENERGY	Energy audits evaluated the energy consumption of the schools of the last three years (2014, 2015, and 2016), and its ${\rm CO_2}$ emissions associated.
WATER	Water audits identified how much water was being consumed in schools for each use or sector, based on measurements and water losses and leakages, for the last three years (2014, 2015, and 2016), and its CO_2 emissions associated.
WASTE	Waste audits quantified the volume of waste produced, recycled and reused in schools, divided in categories: waste disposed, waste composted-organic, waste reused and waste recycled. It is to develop sustainable waste management practices.

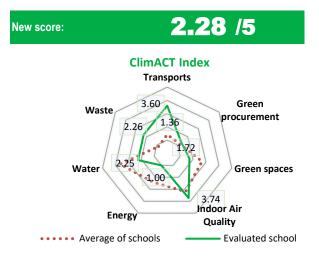
Pilot school: Lycée Dautet



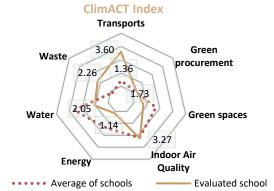
The follow-up comparison of environmental performance of school is as follows:

UPDATED RESULTS (0-5)

PREVIOUS RESULTS (0-5)







Sector	Results	Deviation
Transports	3.60	-0.01
Green procurement	1.36	→ 0.00
Green spaces	1.72	-0.00
Indoor Air Quality	3.74	+0.47
Energy	1.00	- 0.15
Water	2.25	+0.20
Waste	2.26	→ 0.00

Sector	Initial results	Average of schools
Transports	3.60	1.42
Green procurement	1.36	1.19
Green spaces	1.73	2.70
Indoor Air Quality	3.27	3.20
Energy	1.14	2.41
Water	2.05	3.65
Waste	2.26	0.83

Comparing the final results obtained in the school with the previous environmental performance, we obtain a percentage of improvement as follows:



Pilot school: Lycée Dautet



The follow-up comparison with regard to the breakdown of indicators per environmental sector is the following:

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PREVIOUS RESULTS (0-5)

Transports	Results		Deviation	Initial results	Average of schools
Parking	4.3	-	0.00	4.3	0.6
Public transports	1.9	-	0.00	1.9	0.6
CO ₂ emissions	3.8	•	- 0.02	3.8	2.9
Total transport	3.6	4	-0.01	3.6	1.5
Green procurement	Results		Deviation	Initial results	Average of schools
Equipment	0.0	→	0.00	0.0	0.9
Paper	2.5		0.00	2.5	2.0
Training	0.0		0.00	0.0	0.1
Eco-driving	0.0	->	0.00	0.0	0.0
Food	0.5	>	0.00	0.5	0.2
Suppliers	1.0	-	0.00	1.0	1.0
Total	1.4	\Rightarrow	0.00	1.4	1.3
Green spaces	Results		Deviation	Initial results	Average of schools
Green areas	0.6	→	0.00	0.6	1.0
Usage of chemicals	5.0	-	0.00	5.0	4.6
CO ₂ sequestration	0.1	•	-0.01	0.1	0.7
CO ₂ emissions	1.3	-	0.00	1.3	4.6
Total	1.7	Ψ.	-0.00	1.7	2.7
Indoor Air Quality	Results		Deviation	Initial results	Average of schools
Air pollutants	4.4	1	+0.47	3.9	4.0
Ventilation	2.0	1	+0.39	1.6	3.4
Thermal comfort	4.8	1	+0.57	4.3	3.2
Total	3.7	1	+0.47	3.3	3.5
Energy	Results		Deviation	Initial results	Average of schools
Energy consumption	1.0	Ψ	-0.28	1.3	3.4
Energy cost	1.4	•	-0.00	1.4	3.8
Renewable energy	0.0	-	0.00	0.0	0.2
CO ₂ emissions	1.6	•	-0.30	1.9	2.4
Total	1.0	Ψ	-0.15	1.1	2.5
Water	Results		Deviation	Initial results	Average of schools
Water consumption/m ²	2.5	介	+0.77	1.7	4.1
Water consumption/student	4.2	1	+0.03	4.2	4.4
Water cost/m ²	0.0	→	0.00	0.0	3.7
Water cost/student	2.3	→	0.00	2.3	3.6
Total	2.3	↑	+0.20	2.1	4.0
Waste	Results		Deviation	Initial results	Average of schools
Waste produced	3.5	->	0.00	3.5	2.2
•		⇒	0.00 0.00	3.5 2.0	2.2 0.9
Waste produced Waste recycled Waste reused	3.5				

Pilot school: Lycée Dautet





FOLLOW-UP REPORT. COMPARISON WITH INITIAL PERFORMANCE

- Ecole Grandes Varennes -



FOR A LOW CARBON ECONOMY

JUNE 2019



This report provides a comparison with the initial environmental performance of school, with the aim of following-up of activities carried out in school. Environmental and energy performance was assessed based on audits and surveys in schools in order to reduce resources consumption and respective associated costs and CO₂ emissions.

ENVIRONMENTAL AND ENERGY SECTORS CHARACTERIZATION

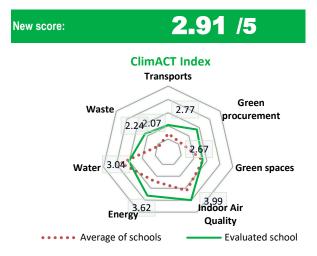
TRANSPORTS	Transports sector survey analysed the users' behaviour based on the transport mode used in the home-school path, quantifying the $\rm CO_2$ emissions associated, and also based in the quantification of different parking spaces (disable, electric and bicycle) in schools, and the transports access and availability nearby schools.
GREEN PROCUREMENT	Green procurement audits evaluated the negative environmental impact of products and services acquired by the school. This analyses was based on electric and electronic equipment labelling, consumption of recycled paper, training in green procurement and eco-driving, and preference for food with biological certificate and local suppliers.
GREEN SPACES	Green areas have a huge influence in CO_2 emissions and sequestration. Green spaces audits analysed and quantified the green areas, the CO_2 sequestration, the use of chemists and resources consumption associated to the green areas maintenance, and the CO_2 emissions.
INDOOR AIR QUALITY	IAQ and comfort audits were performed based on measurements in selected rooms to be representative of the building in terms of size, number of occupants and activities, furnishings or equipment that can release pollutants to the indoor air. Main indoor and outdoor pollutants were identified and analysed.
ENERGY 4	Energy audits evaluated the energy consumption of the schools of the last three years (2014, 2015, and 2016), and its ${\rm CO_2}$ emissions associated.
WATER	Water audits identified how much water was being consumed in schools for each use or sector, based on measurements and water losses and leakages, for the last three years (2014, 2015, and 2016), and its CO_2 emissions associated.
WASTE	Waste audits quantified the volume of waste produced, recycled and reused in schools, divided in categories: waste disposed, waste composted-organic, waste reused and waste recycled. It is to develop sustainable waste management practices.



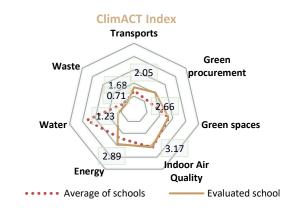
The follow-up comparison of environmental performance of school is as follows:

UPDATED RESULTS (0-5)

PREVIOUS RESULTS (0-5)







Sector	Results	Deviation
Transports	2.07	1 +0.39
Green procurement	2.77	1 +0.71
Green spaces	2.67	→ +0.01
Indoor Air Quality	3.99	1 +0.83
Energy	3.62	+0.73
Water	3.04	1.81
Waste	2.24	1.53

Sector	Initial results	Average of schools
Transports	1.68	1.42
Green procurement	2.05	1.19
Green spaces	2.66	2.70
Indoor Air Quality	3.17	3.20
Energy	2.89	2.41
Water	1.23	3.65
Waste	0.71	0.83

Comparing the final results obtained in the school with the previous environmental performance, we obtain a percentage of improvement as follows:





The follow-up comparison with regard to the breakdown of indicators per environmental sector is the following:

UPDATED RESULTS (0-5) PREVIOUS RESULTS (0-5)

Transports	Results		Deviation	Initial results	Average of schools
Parking	1.5	1	+1.50	0.0	0.6
Public transports	0.6		0.00	0.6	0.6
CO ₂ emissions	3.4	Ψ	- 0.52	3.9	2.9
Total transport	2.1	1	+0.39	1.7	1.5
Green procurement	Results		Deviation	Initial results	Average of schools
Equipment	2.3	→	0.00	2.3	0.9
Paper	3.8	1	+1.34	2.5	2.0
Training	0.7	1	+0.71	0.0	0.1
Eco-driving	0.0	-	0.00	0.0	0.0
Food	1.0	-	0.00	1.0	0.2
Suppliers	2.5	-	0.00	2.5	1.0
Total	2.8	1	+0.71	2.1	1.3
Green spaces	Results		Deviation	Initial results	Average of schools
Green areas	0.5	→	+0.01	0.5	1.0
Usage of chemicals	5.0		0.00	5.0	4.6
CO ₂ sequestration	0.1	1	+0.02	0.1	0.7
CO ₂ emissions	5.0	-	0.00	5.0	4.6
Total	2.7	\Rightarrow	+0.01	2.7	2.7
Indoor Air Quality	Results		Deviation	Initial results	Average of schools
Air pollutants	4.4	1	+0.31	4.1	4.0
Ventilation	4.2	1	+1.39	2.8	3.4
Thermal comfort	3.4	1	+0.77	2.7	3.2
Total	4.0	1	+0.83	3.2	3.5
Energy	Results		Deviation	Initial results	Average of schools
Energy consumption	4.2	→	+0.01	4.2	3.4
Energy cost	3.1	1	+0.28	2.8	3.8
Renewable energy	2.8	1	+2.49	0.3	0.2
CO ₂ emissions	4.4	1	+0.15	4.2	2.4
Total	3.6	1	+0.73	2.9	2.5
Water	Results		Deviation	Initial results	Average of schools
Water consumption/m ²	3.4	1	+2.68	0.8	4.1
Water consumption/student	4.3	↑	+0.98	3.3	4.4
Water cost/m ²	2.0	1	+1.75	0.2	3.7
Water cost/student	2.5	1	+1.81	0.6	3.6
Total	3.0	1	+1.81	1.2	4.0
Waste	Results		Deviation	Initial results	Average of schools
Waste produced	3.3	1	+2.98	0.3	2.2
Waste recycled	2.3	1	+0.15	2.2	0.9
Waste reused	0.0	→	0.00	0.0	0.5
Total	2.2	1	+1.53	0.7	1.5





FOLLOW-UP REPORT. COMPARISON WITH INITIAL PERFORMANCE

- Ecole de Laleu -



FOR A LOW CARBON ECONOMY

JUNE 2019



This report provides a comparison with the initial environmental performance of school, with the aim of following-up of activities carried out in school. Environmental and energy performance was assessed based on audits and surveys in schools in order to reduce resources consumption and respective associated costs and CO₂ emissions.

ENVIRONMENTAL AND ENERGY SECTORS CHARACTERIZATION

TRANSPORTS	Transports sector survey analysed the users' behaviour based on the transport mode used in the home-school path, quantifying the CO ₂ emissions associated, and also based in the quantification of different parking spaces (disable, electric and bicycle) in schools, and the transports access and availability nearby schools.
GREEN PROCUREMENT	Green procurement audits evaluated the negative environmental impact of products and services acquired by the school. This analyses was based on electric and electronic equipment labelling, consumption of recycled paper, training in green procurement and eco-driving, and preference for food with biological certificate and local suppliers.
GREEN SPACES	Green areas have a huge influence in CO_2 emissions and sequestration. Green spaces audits analysed and quantified the green areas, the CO_2 sequestration, the use of chemists and resources consumption associated to the green areas maintenance, and the CO_2 emissions.
INDOOR AIR QUALITY	IAQ and comfort audits were performed based on measurements in selected rooms to be representative of the building in terms of size, number of occupants and activities, furnishings or equipment that can release pollutants to the indoor air. Main indoor and outdoor pollutants were identified and analysed.
ENERGY	Energy audits evaluated the energy consumption of the schools of the last three years (2014, 2015, and 2016), and its ${\rm CO_2}$ emissions associated.
WATER	Water audits identified how much water was being consumed in schools for each use or sector, based on measurements and water losses and leakages, for the last three years (2014, 2015, and 2016), and its CO_2 emissions associated.
WASTE	Waste audits quantified the volume of waste produced, recycled and reused in schools, divided in categories: waste disposed, waste composted-organic, waste reused and waste recycled. It is to develop sustainable waste management practices.

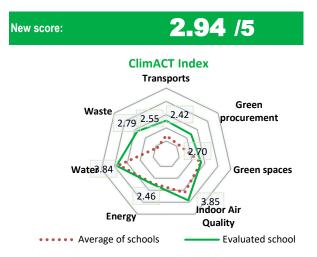
Pilot school: Ecole de Laleu



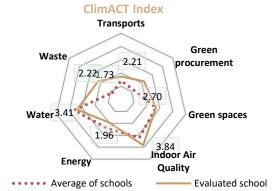
The follow-up comparison of environmental performance of school is as follows:

UPDATED RESULTS (0-5)

PREVIOUS RESULTS (0-5)







Sector	Results	Deviation
Transports	2.55	1 +0.82
Green procurement	2.42	1 +0.21
Green spaces	2.70	+0.00
Indoor Air Quality	3.85	1 +0.01
Energy	2.46	1 +0.50
Water	3.84	+0.43
Waste	2.79	1 +0.57

Initial results	Average of schools
1.73	1.42
2.21	1.19
2.70	2.70
3.84	3.20
1.96	2.41
3.41	3.65
2.22	0.83
	1.73 2.21 2.70 3.84 1.96 3.41

Comparing the final results obtained in the school with the previous environmental performance, we obtain a percentage of improvement as follows:



Pilot school: Ecole de Laleu 3



The follow-up comparison with regard to the breakdown of indicators per environmental sector is the following:

UPDATF) RESULT	S (O-5

PREVIOUS RESULTS (0-5)

Transports	Results		Deviation	Initial results	Average of schools
Parking	2.2	1	+1.85	0.4	0.6
Public transports	0.9		0.00	0.9	0.6
CO ₂ emissions	3.7	1	+ 0.20	3.5	2.9
Total transport	2.5	1	+0.82	1.7	1.5
Green procurement	Results		Deviation	Initial results	Average of schools
Equipment	3.0	→	0.00	3.0	0.9
Paper	2.8	1	+0.29	2.5	2.0
Training	1.0	1	+1.00	0.0	0.1
Eco-driving	0.0	\Rightarrow	0.00	0.0	0.0
Food	1.0	>	0.00	1.0	0.2
Suppliers	2.5	>	0.00	2.5	1.0
Total	2.4	1	+0.21	2.2	1.3
Green spaces	Results		Deviation	Initial results	Average of schools
Green areas	0.6	→	+0.01	0.6	1.0
Usage of chemicals	5.0		0.00	5.0	4.6
CO ₂ sequestration	0.2	•	-0.01	0.2	0.7
CO ₂ emissions	5.0	→	0.00	5.0	4.6
Total	2.7	\Rightarrow	+0.00	2.7	2.7
Indoor Air Quality	Results		Deviation	Initial results	Average of schools
Air pollutants	4.4	→	0.00	4.4	4.0
Ventilation	2.9	•	-0.67	3.5	3.4
Thermal comfort	4.3	1	+0.70	3.6	3.2
Total	3.8	1	+0.01	3.8	3.5
Energy	Results		Deviation	Initial results	Average of schools
Energy consumption	3.4	1	+0.62	2.8	3.4
Energy cost	3.6	1	+0.50	3.1	3.8
Renewable energy	0.0	•	-0.00	0.0	0.2
CO ₂ emissions	2.8	1	+0.87	2.0	2.4
Total	2.5	1	+0.50	2.0	2.5
Water	Results		Deviation	Initial results	Average of schools
Water consumption/m ²	4.2	1	+0.57	3.6	4.1
Water consumption/student	4.6	1	+0.17	4.5	4.4
Water cost/m ²	3.1	•	+0.46	2.7	3.7
Water cost/student	3.4	1	+0.50	2.9	3.6
Total	3.8	1	+0.43	3.4	4.0
Waste	Results		Deviation	Initial results	Average of schools
Waste produced		_			
waste produced	4.4	1	+2.03	2.4	2.2
•	4.4 2.3	↑	+2.03 -1.79	2.4 4.1	2.2 0.9
Waste produced Waste recycled Waste reused					

Pilot school: Ecole de Laleu 4





FOLLOW-UP REPORT. COMPARISON WITH INITIAL PERFORMANCE

- Ecole Marcelin Berthelot -



FOR A LOW CARBON ECONOMY

JUNE 2019



This report provides a comparison with the initial environmental performance of school, with the aim of following-up of activities carried out in school. Environmental and energy performance was assessed based on audits and surveys in schools in order to reduce resources consumption and respective associated costs and CO₂ emissions.

ENVIRONMENTAL AND ENERGY SECTORS CHARACTERIZATION

TRANSPORTS	Transports sector survey analysed the users' behaviour based on the transport mode used in the home-school path, quantifying the $\rm CO_2$ emissions associated, and also based in the quantification of different parking spaces (disable, electric and bicycle) in schools, and the transports access and availability nearby schools.
GREEN PROCUREMENT	Green procurement audits evaluated the negative environmental impact of products and services acquired by the school. This analyses was based on electric and electronic equipment labelling, consumption of recycled paper, training in green procurement and eco-driving, and preference for food with biological certificate and local suppliers.
GREEN SPACES	Green areas have a huge influence in CO_2 emissions and sequestration. Green spaces audits analysed and quantified the green areas, the CO_2 sequestration, the use of chemists and resources consumption associated to the green areas maintenance, and the CO_2 emissions.
INDOOR AIR QUALITY	IAQ and comfort audits were performed based on measurements in selected rooms to be representative of the building in terms of size, number of occupants and activities, furnishings or equipment that can release pollutants to the indoor air. Main indoor and outdoor pollutants were identified and analysed.
ENERGY 4	Energy audits evaluated the energy consumption of the schools of the last three years (2014, 2015, and 2016), and its ${\rm CO_2}$ emissions associated.
WATER	Water audits identified how much water was being consumed in schools for each use or sector, based on measurements and water losses and leakages, for the last three years (2014, 2015, and 2016), and its CO_2 emissions associated.
WASTE	Waste audits quantified the volume of waste produced, recycled and reused in schools, divided in categories: waste disposed, waste composted-organic, waste reused and waste recycled. It is to develop sustainable waste management practices.



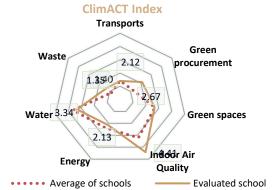
The follow-up comparison of environmental performance of school is as follows:

UPDATED RESULTS (0-5)

PREVIOUS RESULTS (0-5)

3.12 /5 New score: **ClimACT Index** Transports Green Wastē0 2.70 procurement Water 3.63 **Green spaces** 2.09 Indoor Air Energy Quality • • • • • Average of schools Evaluated school





Sector	Results	Deviation
Transports	2.04	+0.64
Green procurement	2.70	+0.58
Green spaces	2.67	→ +0.00
Indoor Air Quality	4.21	J -0.20
Energy	2.09	-0.04
Water	3.63	+0.29
Waste	4.50	1 +3.16

Sector	Initial results	Average of schools
Transports	1.40	1.42
Green procurement	2.12	1.19
Green spaces	2.67	2.70
Indoor Air Quality	4.41	3.20
Energy	2.13	2.41
Water	3.34	3.65
Waste	1.35	0.83

Comparing the final results obtained in the school with the previous environmental performance, we obtain a percentage of improvement as follows:





The follow-up comparison with regard to the breakdown of indicators per environmental sector is the following:

UPDATED RESULTS (0-5) PREVIOUS RESULTS (0-5)

Transports	Results		Deviation	Initial results	Average of schools
Parking	2.0	1	+2.03	0.0	0.6
Public transports	0.4	\Rightarrow	0.00	0.4	0.6
CO ₂ emissions	2.9	•	- 0.44	3.3	2.9
Total transport	2.0	1	+0.64	1.4	1.5
Green procurement	Results		Deviation	Initial results	Average of schools
Equipment	2.6	→	0.00	2.6	0.9
Paper	3.5	1	+1.00	2.5	2.0
Training	1.3	1	+1.25	0.0	0.1
Eco-driving	0.0	\Rightarrow	0.00	0.0	0.0
Food	1.0	-	0.00	1.0	0.2
Suppliers	2.5	-	0.00	2.5	1.0
Total	2.7	1	+0.58	2.1	1.3
Green spaces	Results		Deviation	Initial results	Average of schools
Green areas	0.6	→	+0.01	0.6	1.0
Usage of chemicals	5.0	-	0.00	5.0	4.6
CO ₂ sequestration	0.1	>	+0.01	0.1	0.7
CO ₂ emissions	5.0	>	0.00	5.0	4.6
Total	2.7	\Rightarrow	+0.00	2.7	2.7
Indoor Air Quality	Results		Deviation	Initial results	Average of schools
Air pollutants	4.8	1	+0.47	4.4	4.0
Ventilation	3.4	•	-0.72	4.1	3.4
Thermal comfort	4.4	•	-0.33	4.7	3.2
Total	4.2	Ψ	-0.20	4.4	3.5
Energy	Results		Deviation	Initial results	Average of schools
Energy consumption	3.1	Ψ	-0.05	3.1	3.4
Energy cost	3.3	↓	-0.02	3.3	3.8
Renewable energy	0.0	>	0.00	0.0	0.2
CO ₂ emissions	2.0	•	-0.10	2.1	2.4
Total	2.1	Ψ	-0.04	2.1	2.5
Water	Results		Deviation	Initial results	Average of schools
Water consumption/m ²	4.1	1	+0.41	3.7	4.1
Water consumption/student	4.4	1	+0.10	4.3	4.4
Water cost/m ²	3.2	1	+0.28	2.9	3.7
Water cost/student	2.8	1	+0.36	2.5	3.6
Total	3.6	1	+0.29	3.3	4.0
Waste	Results		Deviation	Initial results	Average of schools
Waste produced	7.5	介	+7.15	0.3	2.2
Waste recycled	3.1	<u> </u>	-1.68	4.8	0.9
Waste reused	0.0	→	0.00	0.0	0.5
Total	4.5	1	+3.16	1.3	1.5
		-			





FOLLOW-UP REPORT. COMPARISON WITH INITIAL PERFORMANCE

- Ecole Bongraine -



FOR A LOW CARBON ECONOMY

JUNE 2019



This report provides a comparison with the initial environmental performance of school, with the aim of following-up of activities carried out in school. Environmental and energy performance was assessed based on audits and surveys in schools in order to reduce resources consumption and respective associated costs and CO₂ emissions.

ENVIRONMENTAL AND ENERGY SECTORS CHARACTERIZATION

TRANSPORTS	Transports sector survey analysed the users' behaviour based on the transport mode used in the home-school path, quantifying the CO ₂ emissions associated, and also based in the quantification of different parking spaces (disable, electric and bicycle) in schools, and the transports access and availability nearby schools.
GREEN PROCUREMENT	Green procurement audits evaluated the negative environmental impact of products and services acquired by the school. This analyses was based on electric and electronic equipment labelling, consumption of recycled paper, training in green procurement and eco-driving, and preference for food with biological certificate and local suppliers.
GREEN SPACES	Green areas have a huge influence in CO_2 emissions and sequestration. Green spaces audits analysed and quantified the green areas, the CO_2 sequestration, the use of chemists and resources consumption associated to the green areas maintenance, and the CO_2 emissions.
INDOOR AIR QUALITY	IAQ and comfort audits were performed based on measurements in selected rooms to be representative of the building in terms of size, number of occupants and activities, furnishings or equipment that can release pollutants to the indoor air. Main indoor and outdoor pollutants were identified and analysed.
ENERGY	Energy audits evaluated the energy consumption of the schools of the last three years (2014, 2015, and 2016), and its ${\rm CO_2}$ emissions associated.
WATER	Water audits identified how much water was being consumed in schools for each use or sector, based on measurements and water losses and leakages, for the last three years (2014, 2015, and 2016), and its CO_2 emissions associated.
WASTE	Waste audits quantified the volume of waste produced, recycled and reused in schools, divided in categories: waste disposed, waste composted-organic, waste reused and waste recycled. It is to develop sustainable waste management practices.

Pilot school: Ecole Bongraine



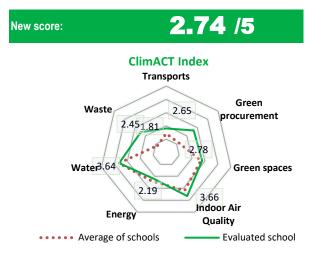
The follow-up comparison of environmental performance of school is as follows:

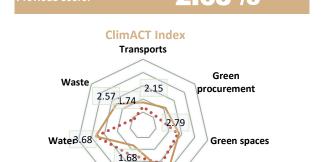
UPDATED RESULTS (0-5)

PREVIOUS RESULTS (0-5)

Energy

• • • • • Average of schools





Inddor Air

Quality

- Evaluated school

Sector	Results	Deviation
Transports	1.81	+0.07
Green procurement	2.65	1 +0.51
Green spaces	2.78	-0.00
Indoor Air Quality	3.66	-0.48
Energy	2.19	+0.51
Water	3.64	-0.04
Waste	2.45	<u></u> -0.12

Sector	Initial results	Average of schools
Transports	1.74	1.42
Green procurement	2.15	1.19
Green spaces	2.79	2.70
Indoor Air Quality	4.14	3.20
Energy	1.68	2.41
Water	3.68	3.65
Waste	2.57	0.83

Comparing the final results obtained in the school with the previous environmental performance, we obtain a percentage of improvement as follows:





The follow-up comparison with regard to the breakdown of indicators per environmental sector is the following:

UPDATED RESULTS (0-5) PREVIOUS RESULTS (0-5)

Transports	Results		Deviation	Initial results	Average of schools
Parking	0.9	1	+0.07	0.8	0.6
Public transports	0.9	\Rightarrow	0.00	0.9	0.6
CO ₂ emissions	3.2	1	+ 0.09	3.1	2.9
Total transport	1.8	1	+0.07	1.7	1.5
Green procurement	Results		Deviation	Initial results	Average of schools
Equipment	2.7	→	0.00	2.7	0.9
Paper	3.4	1	+0.89	2.5	2.0
Training	1.0	1	+1.00	0.0	0.1
Eco-driving	0.0	-	0.00	0.0	0.0
Food	1.0	\Rightarrow	0.00	1.0	0.2
Suppliers	2.5	\Rightarrow	0.00	2.5	1.0
Total	2.7	↑	+0.51	2.1	1.3
Green spaces	Results		Deviation	Initial results	Average of schools
Green areas	1.0	-	+0.01	1.0	1.0
Usage of chemicals	5.0	-	0.00	5.0	4.6
CO ₂ sequestration	0.1	•	-0.03	0.2	0.7
CO ₂ emissions	5.0	\Rightarrow	0.00	5.0	4.6
Total	2.8	Ψ	-0.00	2.8	2.7
Indoor Air Quality	Results		Deviation	Initial results	Average of schools
Air pollutants	4.5	→	0.00	4.5	4.0
Ventilation	2.3	•	-0.67	3.0	3.4
Thermal comfort	4.2	Ť	-0.78	4.9	3.2
Total	3.7	Ť	-0.48	4.1	3.5
Energy	Results		Deviation	Initial results	Average of schools
Energy consumption	3.3	1	+0.63	2.6	3.4
Energy cost	3.0	1	+0.43	2.6	3.8
Renewable energy	0.0	→	+0.00	0.0	0.2
CO ₂ emissions	2.4	1	+0.98	1.5	2.4
Total	2.2	1	+0.51	1.7	2.5
Water	Results		Deviation	Initial results	Average of schools
Water consumption/m ²	4.1	1	+0.16	4.0	4.1
Water consumption/student	4.4	į.	-0.08	4.4	4.4
Water cost/m ²	3.3	Ť	-0.02	3.3	3.7
Water cost/student	2.7	Ť	-0.22	2.9	3.6
Total	3.6	ψ	-0.04	3.7	4.0
Waste	Results		Deviation	Initial results	Average of schools
Waste produced	4.2	Ψ	-0.30	4.5	2.2
Waste recycled	1.4	1	+0.11	1.3	0.9
Waste reused	0.0	→	0.00	0.0	0.5
Total	2.4	<u></u>	-0.12	2.6	1.5
	۷.٦		0.12	2.0	1.5





FOLLOW-UP REPORT. COMPARISON WITH INITIAL PERFORMANCE

- Ecole Barthélémy Profit -



FOR A LOW CARBON ECONOMY

JUNE 2019



This report provides a comparison with the initial environmental performance of school, with the aim of following-up of activities carried out in school. Environmental and energy performance was assessed based on audits and surveys in schools in order to reduce resources consumption and respective associated costs and CO₂ emissions.

ENVIRONMENTAL AND ENERGY SECTORS CHARACTERIZATION

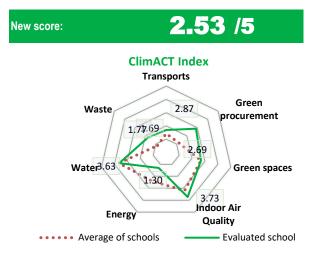
TRANSPORTS	Transports sector survey analysed the users' behaviour based on the transport mode used in the home-school path, quantifying the CO_2 emissions associated, and also based in the quantification of different parking spaces (disable, electric and bicycle) in schools, and the transports access and availability nearby schools.
GREEN PROCUREMENT	Green procurement audits evaluated the negative environmental impact of products and services acquired by the school. This analyses was based on electric and electronic equipment labelling, consumption of recycled paper, training in green procurement and eco-driving, and preference for food with biological certificate and local suppliers.
GREEN SPACES	Green areas have a huge influence in CO_2 emissions and sequestration. Green spaces audits analysed and quantified the green areas, the CO_2 sequestration, the use of chemists and resources consumption associated to the green areas maintenance, and the CO_2 emissions.
INDOOR AIR QUALITY	IAQ and comfort audits were performed based on measurements in selected rooms to be representative of the building in terms of size, number of occupants and activities, furnishings or equipment that can release pollutants to the indoor air. Main indoor and outdoor pollutants were identified and analysed.
ENERGY &	Energy audits evaluated the energy consumption of the schools of the last three years (2014, 2015, and 2016), and its ${\rm CO_2}$ emissions associated.
WATER	Water audits identified how much water was being consumed in schools for each use or sector, based on measurements and water losses and leakages, for the last three years (2014, 2015, and 2016), and its CO_2 emissions associated.
WASTE	Waste audits quantified the volume of waste produced, recycled and reused in schools, divided in categories: waste disposed, waste composted-organic, waste reused and waste recycled. It is to develop sustainable waste management practices.



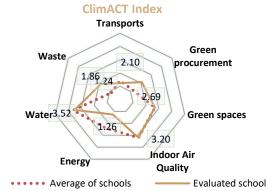
The follow-up comparison of environmental performance of school is as follows:

UPDATED RESULTS (0-5)

PREVIOUS RESULTS (0-5)







Sector	Results	Deviation
Transports	1.69	+0.46
Green procurement	2.87	+0.77
Green spaces	2.69	→ +0.00
Indoor Air Quality	3.73	+0.53
Energy	1.30	+0.05
Water	3.63	1 +0.11
Waste	1.77	-0.09

Initial results	Average of schools
1.24	1.42
2.10	1.19
2.69	2.70
3.20	3.20
1.26	2.41
3.52	3.65
1.86	0.83
	1.24 2.10 2.69 3.20 1.26 3.52

Comparing the final results obtained in the school with the previous environmental performance, we obtain a percentage of improvement as follows:





The follow-up comparison with regard to the breakdown of indicators per environmental sector is the following:

LIDE	DATED	DECLI	ITC /	(N_E)

PREVIOUS RESULTS (0-5)

Transports	Results		Deviation	Initial results	Average of schools
Parking	1.1	1	+1.09	0.0	0.6
Public transports	0.7		0.00	0.7	0.6
CO ₂ emissions	2.8	1	+ 0.06	2.8	2.9
Total transport	1.7	1	+0.46	1.2	1.5
Green procurement	Results		Deviation	Initial results	Average of schools
Equipment	2.5	-	0.00	2.5	0.9
Paper	4.0	1	+1.47	2.5	2.0
Training	0.6	1	+0.56	0.0	0.1
Eco-driving	0.0	-	0.00	0.0	0.0
Food	1.0	-	0.00	1.0	0.2
Suppliers	2.5	->	0.00	2.5	1.0
Total	2.9	↑	+0.77	2.1	1.3
Green spaces	Results		Deviation	Initial results	Average of schools
Green areas	0.7	→	+0.00	0.7	1.0
Usage of chemicals	5.0	>	0.00	5.0	4.6
CO ₂ sequestration	0.1	-	+0.00	0.1	0.7
CO ₂ emissions	5.0	-	0.00	5.0	4.6
Total	2.7	⇒	+0.00	2.7	2.7
Indoor Air Quality	Results		Deviation	Initial results	Average of schools
Air pollutants	4.2	→	0.00	4.2	4.0
Ventilation	2.0	1	+0.27	1.7	3.4
Thermal comfort	5.0	1	+1.32	3.6	3.2
Total	3.7	<u>_</u>	+0.53	3.2	3.5
Energy	Results		Deviation	Initial results	Average of schools
Energy consumption	0.7	4	-0.25	1.0	3.4
Energy cost	2.5	1	+0.63	1.9	3.8
Renewable energy	0.0	-	0.00	0.0	0.2
CO ₂ emissions	2.0	•	-0.18	2.1	2.4
Total	1.3	1	+0.05	1.3	2.5
Water	Results		Deviation	Initial results	Average of schools
Water consumption/m ²	4.4	1	+0.27	4.1	4.1
Water consumption/student	4.3	↑	+0.06	4.3	4.4
Water cost/m ²	3.5	1	+0.08	3.4	3.7
Water cost/student	2.3	^	+0.02	2.3	3.6
Total	3.6	1	+0.11	3.5	4.0
Waste	Results		Deviation	Initial results	Average of schools
Waste produced	2.4	4	-0.22	2.6	2.2
Waste recycled	2.3	1	+0.09	2.2	0.9
Waste reused	0.0	1 →	0.00	0.0	0.5
Total	1.8	<u></u>	-0.09	1.9	1.5
Total	1.0	-	-0.03	1.5	1.5





FOLLOW-UP REPORT. COMPARISON WITH INITIAL PERFORMANCE

- Ecole Jean Bart -



FOR A LOW CARBON ECONOMY

JUNE 2019



This report provides a comparison with the initial environmental performance of school, with the aim of following-up of activities carried out in school. Environmental and energy performance was assessed based on audits and surveys in schools in order to reduce resources consumption and respective associated costs and CO₂ emissions.

ENVIRONMENTAL AND ENERGY SECTORS CHARACTERIZATION

TRANSPORTS	Transports sector survey analysed the users' behaviour based on the transport mode used in the home-school path, quantifying the CO ₂ emissions associated, and also based in the quantification of different parking spaces (disable, electric and bicycle) in schools, and the transports access and availability nearby schools.
GREEN PROCUREMENT	Green procurement audits evaluated the negative environmental impact of products and services acquired by the school. This analyses was based on electric and electronic equipment labelling, consumption of recycled paper, training in green procurement and eco-driving, and preference for food with biological certificate and local suppliers.
GREEN SPACES	Green areas have a huge influence in CO_2 emissions and sequestration. Green spaces audits analysed and quantified the green areas, the CO_2 sequestration, the use of chemists and resources consumption associated to the green areas maintenance, and the CO_2 emissions.
INDOOR AIR QUALITY	IAQ and comfort audits were performed based on measurements in selected rooms to be representative of the building in terms of size, number of occupants and activities, furnishings or equipment that can release pollutants to the indoor air. Main indoor and outdoor pollutants were identified and analysed.
ENERGY	Energy audits evaluated the energy consumption of the schools of the last three years (2014, 2015, and 2016), and its ${\rm CO_2}$ emissions associated.
WATER	Water audits identified how much water was being consumed in schools for each use or sector, based on measurements and water losses and leakages, for the last three years (2014, 2015, and 2016), and its CO_2 emissions associated.
WASTE	Waste audits quantified the volume of waste produced, recycled and reused in schools, divided in categories: waste disposed, waste composted-organic, waste reused and waste recycled. It is to develop sustainable waste management practices.

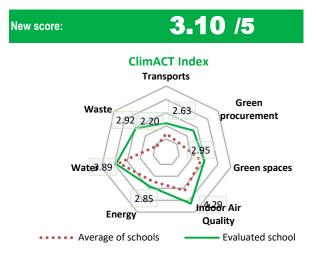
Pilot school: Ecole Jean Bart



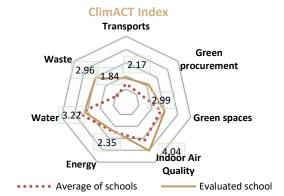
The follow-up comparison of environmental performance of school is as follows:

UPDATED RESULTS (0-5)

PREVIOUS RESULTS (0-5)







Sector	Results	Deviation
Transports	2.20	1 +0.37
Green procurement	2.63	1 +0.47
Green spaces	2.95	-0.04
Indoor Air Quality	4.29	+0.25
Energy	2.85	1 +0.50
Water	3.89	+0.66
Waste	2.92	-0.04

Initial results	Average of schools
1.84	1.42
2.17	1.19
2.99	2.70
4.04	3.20
2.35	2.41
3.22	3.65
2.96	0.83
	1.84 2.17 2.99 4.04 2.35 3.22

Comparing the final results obtained in the school with the previous environmental performance, we obtain a percentage of improvement as follows:



Pilot school: Ecole Jean Bart



The follow-up comparison with regard to the breakdown of indicators per environmental sector is the following:

LIDE	ATFD	DECLI	I TC /	$\Delta = 1$
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PREVIOUS RESULTS (0-5)

Transports	Results		Deviation	Initial results	Average of schools
Parking	1.4	1	+1.16	0.3	0.6
Public transports	1.0	\Rightarrow	0.00	1.0	0.6
CO ₂ emissions	3.6	4	- 0.25	3.8	2.9
Total transport	2.2	1	+0.37	1.8	1.5
Green procurement	Results		Deviation	Initial results	Average of schools
Equipment	2.8	→	0.00	2.8	0.9
Paper	3.3	1	+0.84	2.5	2.0
Training	0.7	1	+0.71	0.0	0.1
Eco-driving	0.0	→	0.00	0.0	0.0
Food	1.0	>	0.00	1.0	0.2
Suppliers	2.5	-	0.00	2.5	1.0
Total	2.6	1	+0.47	2.2	1.3
Green spaces	Results		Deviation	Initial results	Average of schools
Green areas	1.7	→	+0.01	1.7	1.0
Usage of chemicals	5.0	\Rightarrow	0.00	5.0	4.6
CO ₂ sequestration	0.1	Ū.	-0.15	0.3	0.7
CO ₂ emissions	5.0	→	0.00	5.0	4.6
Total	3.0	₩	-0.04	3.0	2.7
Indoor Air Quality	Results		Deviation	Initial results	Average of schools
Air pollutants	4.7	1	+0.31	4.4	4.0
Ventilation	3.8	1	+0.50	3.3	3.4
Thermal comfort	4.4	Ī	-0.06	4.4	3.2
Total	4.3	— ↑	+0.25	4.0	3.5
Energy	Results		Deviation	Initial results	Average of schools
Energy consumption	3.2	4	-0.04	3.3	3.4
Energy cost	3.2	1	+0.05	3.2	3.8
Renewable energy	2.1	1	+2.10	0.0	0.2
CO ₂ emissions	2.8	Ţ	-0.11	2.9	2.4
Total	2.8	1	+0.50	2.3	2.5
Water	Results		Deviation	Initial results	Average of schools
Water consumption/m ²	4.2	1	+0.80	3.4	4.1
Water consumption/student	4.6	1	+0.21	4.4	4.4
Water cost/m ²	3.3	1	+0.92	2.3	3.7
Water cost/student	3.5	1	+0.73	2.8	3.6
Total	3.9	1	+0.66	3.2	4.0
Waste	Results		Deviation	Initial results	Average of schools
Waste produced	4.7	4	-0.14	4.8	2.2
Waste produced Waste recycled	2.3	1	+0.09	2.2	0.9
Waste recycled Waste reused	0.0	_	0.00	0.0	0.5
		→			
Total	2.9	•	-0.04	3.0	1.5

Pilot school: Ecole Jean Bart 4







FOLLOW-UP REPORT. COMPARISON WITH INITIAL PERFORMANCE

- St Bernard's First School (SBFS) -



FOR A LOW CARBON ECONOMY

JUNE 2019



This report provides a comparison with the initial environmental performance of school, with the aim of following-up of activities carried out in school. Environmental and energy performance was assessed based on audits and surveys in schools in order to reduce resources consumption and respective associated costs and CO₂ emissions.

ENVIRONMENTAL AND ENERGY SECTORS CHARACTERIZATION

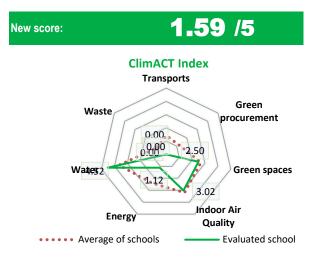
TRANSPORTS	Transports sector survey analysed the users' behaviour based on the transport mode used in the home-school path, quantifying the CO_2 emissions associated, and also based in the quantification of different parking spaces (disable, electric and bicycle) in schools, and the transports access and availability nearby schools.
GREEN PROCUREMENT	Green procurement audits evaluated the negative environmental impact of products and services acquired by the school. This analyses was based on electric and electronic equipment labelling, consumption of recycled paper, training in green procurement and eco-driving, and preference for food with biological certificate and local suppliers.
GREEN SPACES	Green areas have a huge influence in CO_2 emissions and sequestration. Green spaces audits analysed and quantified the green areas, the CO_2 sequestration, the use of chemists and resources consumption associated to the green areas maintenance, and the CO_2 emissions.
INDOOR AIR QUALITY	IAQ and comfort audits were performed based on measurements in selected rooms to be representative of the building in terms of size, number of occupants and activities, furnishings or equipment that can release pollutants to the indoor air. Main indoor and outdoor pollutants were identified and analysed.
ENERGY	Energy audits evaluated the energy consumption of the schools of the last three years (2014, 2015, and 2016), and its ${\rm CO_2}$ emissions associated.
WATER	Water audits identified how much water was being consumed in schools for each use or sector, based on measurements and water losses and leakages, for the last three years (2014, 2015, and 2016), and its CO_2 emissions associated.
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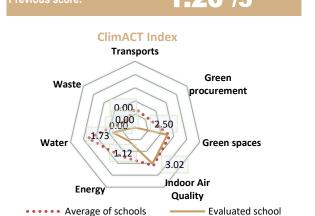


The follow-up comparison of environmental performance of school is as follows:

UPDATED RESULTS (0-5)

PREVIOUS RESULTS (0-5)





Sector	Results	Deviation
Transports	0.00	→ 0.00
Green procurement	0.00	→ 0.00
Green spaces	2.50	→ 0.00
Indoor Air Quality	3.02	→ 0.00
Energy	1.12	→ 0.00
Water	4.52	+2.79
Waste	0.00	→ 0.00

Sector	Initial results	Average of schools
Transports	0.00	1.42
Green procurement	0.00	1.19
Green spaces	2.50	2.70
Indoor Air Quality	3.02	3.20
Energy	1.12	2.41
Water	1.73	3.65
Waste	0.00	0.83

Comparing the final results obtained in the school with the previous environmental performance, we obtain a percentage of improvement as follows:





The follow-up comparison with regard to the breakdown of indicators per environmental sector is the following:

UPDATED RESULTS (0-5)	PREVIOUS RESULTS (0-5)
-----------------------	------------------------

Transports	Results		Deviation	Initial results	Average of schools
Parking	0.0	\Rightarrow	0.00	0.0	0.6
Public transports	0.0		0.00	0.0	0.6
CO ₂ emissions	0.0	-	0.00	0.0	2.9
Total transport	0.0	→	0.00	0.0	1.5
Green procurement	Results		Deviation	Initial results	Average of schools
Equipment	0.0	→	0.00	0.0	0.9
Paper	0.0		0.00	0.0	2.0
Fraining	0.0		0.00	0.0	0.1
Eco-driving	0.0	\Rightarrow	0.00	0.0	0.0
Food	0.0	\Rightarrow	0.00	0.0	0.2
Suppliers	0.0	\Rightarrow	0.00	0.0	1.0
Fotal Property of the Control of the	0.0	→	0.00	0.0	1.3
Green spaces	Results		Deviation	Initial results	Average of schools
Green areas	0.0	→	0.00	0.0	1.0
Jsage of chemicals	5.0	\Rightarrow	0.00	5.0	4.6
CO ₂ sequestration	0.0	\Rightarrow	0.00	0.0	0.7
CO ₂ emissions	5.0	\Rightarrow	0.00	5.0	4.6
Fotal Properties of the Control of t	2.5	>	0.00	2.5	2.7
ndoor Air Quality	Results		Deviation	Initial results	Average of schools
Air pollutants	4.1	-	0.00	4.1	4.0
/entilation	5.0	-	0.00	5.0	3.4
Thermal comfort	0.0	\Rightarrow	0.00	0.0	3.2
Гotal	3.0	→	0.00	3.0	3.5
Energy	Results		Deviation	Initial results	Average of schools
Energy consumption	0.0	→	0.00	0.0	3.4
Energy cost	4.5	\Rightarrow	0.00	4.5	3.8
Renewable energy	0.0		0.00	0.0	0.2
CO ₂ emissions	0.0	\Rightarrow	0.00	0.0	2.4
Fotal Property of the Control of the	1.1	→	0.00	1.1	2.5
Water	Results		Deviation	Initial results	Average of schools
Water consumption/m ²	5.0	1	+5.05	0.0	4.1
Water consumption/student	5.0	1	+5.03	0.0	4.4
Water cost/m ²	4.5	1	+0.27	4.2	3.7
Water cost/student	3.5	1	+0.82	2.7	3.6
Total	4.5	1	+2.79	1.7	4.0
Waste	Results		Deviation	Initial results	Average of schools
Waste produced	0.0	\Rightarrow	0.00	0.0	2.2
Waste recycled	0.0	→	0.00	0.0	0.9
Waste reused	0.0	→	0.00	0.0	0.5
Total	0.0	→	0.00	0.0	1.5





FOLLOW-UP REPORT. COMPARISON WITH INITIAL PERFORMANCE

- St Bernard's Middle School (SBMS) -



FOR A LOW CARBON ECONOMY

JUNE 2019



This report provides a comparison with the initial environmental performance of school, with the aim of following-up of activities carried out in school. Environmental and energy performance was assessed based on audits and surveys in schools in order to reduce resources consumption and respective associated costs and CO₂ emissions.

ENVIRONMENTAL AND ENERGY SECTORS CHARACTERIZATION

TRANSPORTS	Transports sector survey analysed the users' behaviour based on the transport mode used in the home-school path, quantifying the $\rm CO_2$ emissions associated, and also based in the quantification of different parking spaces (disable, electric and bicycle) in schools, and the transports access and availability nearby schools.
GREEN PROCUREMENT	Green procurement audits evaluated the negative environmental impact of products and services acquired by the school. This analyses was based on electric and electronic equipment labelling, consumption of recycled paper, training in green procurement and eco-driving, and preference for food with biological certificate and local suppliers.
GREEN SPACES	Green areas have a huge influence in CO_2 emissions and sequestration. Green spaces audits analysed and quantified the green areas, the CO_2 sequestration, the use of chemists and resources consumption associated to the green areas maintenance, and the CO_2 emissions.
INDOOR AIR QUALITY	IAQ and comfort audits were performed based on measurements in selected rooms to be representative of the building in terms of size, number of occupants and activities, furnishings or equipment that can release pollutants to the indoor air. Main indoor and outdoor pollutants were identified and analysed.
ENERGY 4	Energy audits evaluated the energy consumption of the schools of the last three years (2014, 2015, and 2016), and its ${\rm CO_2}$ emissions associated.
WATER	Water audits identified how much water was being consumed in schools for each use or sector, based on measurements and water losses and leakages, for the last three years (2014, 2015, and 2016), and its CO_2 emissions associated.
WASTE	Waste audits quantified the volume of waste produced, recycled and reused in schools, divided in categories: waste disposed, waste composted-organic, waste reused and waste recycled. It is to develop sustainable waste management practices.



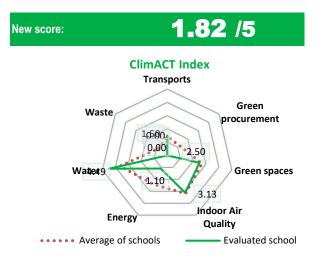
Evaluated school

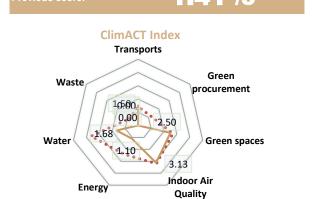
The follow-up comparison of environmental performance of school is as follows:

UPDATED RESULTS (0-5)

PREVIOUS RESULTS (0-5)

• • • • • Average of schools





Sector	Results	Deviation
Transports	1.50	→ 0.00
Green procurement	0.00	→ 0.00
Green spaces	2.50	→ 0.00
Indoor Air Quality	3.13	→ 0.00
Energy	1.10	→ 0.00
Water	4.49	+2.81
Waste	0.00	→ 0.00

Initial results	Average of schools
1.50	1.42
0.00	1.19
2.50	2.70
3.13	3.20
1.10	2.41
1.68	3.65
0.00	0.83
	1.50 0.00 2.50 3.13 1.10 1.68

Comparing the final results obtained in the school with the previous environmental performance, we obtain a percentage of improvement as follows:





The follow-up comparison with regard to the breakdown of indicators per environmental sector is the following:

UPDATED RESULTS (0-5) PREVIOUS RESULTS (0-5)

Transports	Results		Deviation	Initial results	Average of schools
Parking	0.0	→	0.00	0.0	0.6
Public transports	0.0	\Rightarrow	0.00	0.0	0.6
CO ₂ emissions	3.7	\Rightarrow	0.00	3.7	2.9
Total transport	1.5	->	0.00	1.5	1.5
Green procurement	Results		Deviation	Initial results	Average of schools
Equipment	0.0	→	0.00	0.0	0.9
Paper	0.0	->	0.00	0.0	2.0
Training	0.0	->	0.00	0.0	0.1
Eco-driving	0.0		0.00	0.0	0.0
Food	0.0	\Rightarrow	0.00	0.0	0.2
Suppliers	0.0	\Rightarrow	0.00	0.0	1.0
Total	0.0	→	0.00	0.0	1.3
Green spaces	Results		Deviation	Initial results	Average of schools
Green areas	0.0	→	0.00	0.0	1.0
Usage of chemicals	5.0	\Rightarrow	0.00	5.0	4.6
CO ₂ sequestration	0.0	\Rightarrow	0.00	0.0	0.7
CO ₂ emissions	5.0	\Rightarrow	0.00	5.0	4.6
Total	2.5	⇒	0.00	2.5	2.7
Indoor Air Quality	Results		Deviation	Initial results	Average of schools
Air pollutants	4.4	→	0.00	4.4	4.0
Ventilation	5.0	\Rightarrow	0.00	5.0	3.4
Thermal comfort	0.0	→	0.00	0.0	3.2
Total	3.1	→	0.00	3.1	3.5
Energy	Results		Deviation	Initial results	Average of schools
Energy consumption	0.0	→	0.00	0.0	3.4
Energy cost	4.4	\Rightarrow	0.00	4.4	3.8
Renewable energy	0.0	\Rightarrow	0.00	0.0	0.2
CO ₂ emissions	0.0	→	0.00	0.0	2.4
Total	1.1	→	0.00	1.1	2.5
Water	Results		Deviation	Initial results	Average of schools
Water consumption/m ²	5.0	1	+5.05	0.0	4.1
Water consumption/student	5.0	1	+5.03	0.0	4.4
Water cost/m ²	4.3	1	+0.35	4.0	3.7
Water cost/student	3.5	1	+0.80	2.7	3.6
Total	4.5	1	+2.81	1.7	4.0
Waste	Results		Deviation	Initial results	Average of schools
Waste produced	0.0	→	0.00	0.0	2.2
Waste recycled	0.0	->	0.00	0.0	0.9
Waste reused	0.0	→	0.00	0.0	0.5

Total





FOLLOW-UP REPORT. COMPARISON WITH INITIAL PERFORMANCE

- St Joseph's First School (SJFS) -



FOR A LOW CARBON ECONOMY

JUNE 2019



This report provides a comparison with the initial environmental performance of school, with the aim of following-up of activities carried out in school. Environmental and energy performance was assessed based on audits and surveys in schools in order to reduce resources consumption and respective associated costs and CO₂ emissions.

TRANSPORTS	Transports sector survey analysed the users' behaviour based on the transport mode used in the home-school path, quantifying the CO_2 emissions associated, and also based in the quantification of different parking spaces (disable, electric and bicycle) in schools, and the transports access and availability nearby schools.
GREEN PROCUREMENT	Green procurement audits evaluated the negative environmental impact of products and services acquired by the school. This analyses was based on electric and electronic equipment labelling, consumption of recycled paper, training in green procurement and eco-driving, and preference for food with biological certificate and local suppliers.
GREEN SPACES	Green areas have a huge influence in CO_2 emissions and sequestration. Green spaces audits analysed and quantified the green areas, the CO_2 sequestration, the use of chemists and resources consumption associated to the green areas maintenance, and the CO_2 emissions.
INDOOR AIR QUALITY	IAQ and comfort audits were performed based on measurements in selected rooms to be representative of the building in terms of size, number of occupants and activities, furnishings or equipment that can release pollutants to the indoor air. Main indoor and outdoor pollutants were identified and analysed.
ENERGY	Energy audits evaluated the energy consumption of the schools of the last three years (2014, 2015, and 2016), and its ${\rm CO_2}$ emissions associated.
WATER	Water audits identified how much water was being consumed in schools for each use or sector, based on measurements and water losses and leakages, for the last three years (2014, 2015, and 2016), and its CO_2 emissions associated.
WASTE	Waste audits quantified the volume of waste produced, recycled and reused in schools, divided in categories: waste disposed, waste composted-organic, waste reused and waste recycled. It is to develop sustainable waste management practices.



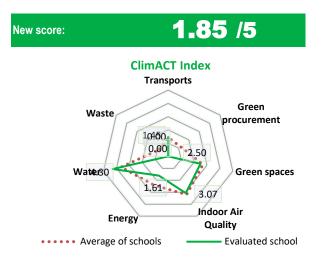
Evaluated school

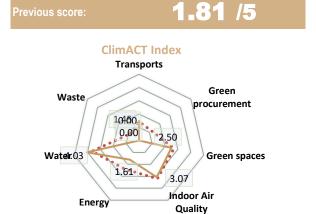
The follow-up comparison of environmental performance of school is as follows:

UPDATED RESULTS (0-5)

PREVIOUS RESULTS (0-5)

• • • • • Average of schools





Sector	Results	Deviation
Transports	1.45	→ 0.00
Green procurement	0.00	→ 0.00
Green spaces	2.50	→ 0.00
Indoor Air Quality	3.07	→ 0.00
Energy	1.61	→ 0.00
Water	4.30	+0.26
Waste	0.00	→ 0.00

Initial results	Average of schools
1.45	1.42
0.00	1.19
2.50	2.70
3.07	3.20
1.61	2.41
4.03	3.65
0.00	0.83
	1.45 0.00 2.50 3.07 1.61 4.03





The follow-up comparison with regard to the breakdown of indicators per environmental sector is the following:

UPDATED RESULTS (0-5) PREVIOUS RESULTS (0-5)

Transports	Results		Deviation	Initial results	Average of schools
Parking	0.0	→	0.00	0.0	0.6
Public transports	0.0	->	0.00	0.0	0.6
CO ₂ emissions	3.6		0.00	3.6	2.9
Total transport	1.5	→	0.00	1.5	1.5
Green procurement	Results		Deviation	Initial results	Average of schools
Equipment	0.0	⇒	0.00	0.0	0.9
Paper	0.0	\Rightarrow	0.00	0.0	2.0
Training	0.0	\Rightarrow	0.00	0.0	0.1
Eco-driving	0.0		0.00	0.0	0.0
Food	0.0	\Rightarrow	0.00	0.0	0.2
Suppliers	0.0	\Rightarrow	0.00	0.0	1.0
Total	0.0	→	0.00	0.0	1.3
Green spaces	Results		Deviation	Initial results	Average of schools
Green areas	0.0	→	0.00	0.0	1.0
Usage of chemicals	5.0	\Rightarrow	0.00	5.0	4.6
CO ₂ sequestration	0.0	\Rightarrow	0.00	0.0	0.7
CO ₂ emissions	5.0	\Rightarrow	0.00	5.0	4.6
Total	2.5	\Rightarrow	0.00	2.5	2.7
Indoor Air Quality	Results		Deviation	Initial results	Average of schools
Air pollutants	4.2	→	0.00	4.2	4.0
Ventilation	5.0	\Rightarrow	0.00	5.0	3.4
Thermal comfort	0.0	\Rightarrow	0.00	0.0	3.2
Total	3.1	→	0.00	3.1	3.5
Energy	Results		Deviation	Initial results	Average of schools
Energy consumption	1.5	-	0.00	1.5	3.4
Energy cost	4.9	\Rightarrow	0.00	4.9	3.8
Renewable energy	0.0	\Rightarrow	0.00	0.0	0.2
CO ₂ emissions	0.0	\Rightarrow	0.00	0.0	2.4
Total	1.6	→	0.00	1.6	2.5
Water	Results		Deviation	Initial results	Average of schools
Water consumption/m ²	4.4	1	+0.60	3.8	4.1
Water consumption/student	4.2	1	+0.45	3.8	4.4
Water cost/m ²	4.6	⇒	0.00	4.6	3.7
Water cost/student	4.0	→	0.00	4.0	3.6
Total	4.3	1	+0.26	4.0	4.0
Waste	Results		Deviation	Initial results	Average of schools
Waste produced	0.0	→	0.00	0.0	2.2
Waste recycled	0.0	→	0.00	0.0	0.9
•		_			
Waste reused	0.0	\Rightarrow	0.00	0.0	0.5





FOLLOW-UP REPORT. COMPARISON WITH INITIAL PERFORMANCE

- St Joseph's Middle School (SJMS) -



FOR A LOW CARBON ECONOMY

JUNE 2019



This report provides a comparison with the initial environmental performance of school, with the aim of following-up of activities carried out in school. Environmental and energy performance was assessed based on audits and surveys in schools in order to reduce resources consumption and respective associated costs and CO₂ emissions.

TRANSPORTS	Transports sector survey analysed the users' behaviour based on the transport mode used in the home-school path, quantifying the $\rm CO_2$ emissions associated, and also based in the quantification of different parking spaces (disable, electric and bicycle) in schools, and the transports access and availability nearby schools.
GREEN PROCUREMENT	Green procurement audits evaluated the negative environmental impact of products and services acquired by the school. This analyses was based on electric and electronic equipment labelling, consumption of recycled paper, training in green procurement and eco-driving, and preference for food with biological certificate and local suppliers.
GREEN SPACES	Green areas have a huge influence in CO_2 emissions and sequestration. Green spaces audits analysed and quantified the green areas, the CO_2 sequestration, the use of chemists and resources consumption associated to the green areas maintenance, and the CO_2 emissions.
INDOOR AIR QUALITY	IAQ and comfort audits were performed based on measurements in selected rooms to be representative of the building in terms of size, number of occupants and activities, furnishings or equipment that can release pollutants to the indoor air. Main indoor and outdoor pollutants were identified and analysed.
ENERGY 4	Energy audits evaluated the energy consumption of the schools of the last three years (2014, 2015, and 2016), and its ${\rm CO_2}$ emissions associated.
WATER	Water audits identified how much water was being consumed in schools for each use or sector, based on measurements and water losses and leakages, for the last three years (2014, 2015, and 2016), and its CO_2 emissions associated.
WASTE	Waste audits quantified the volume of waste produced, recycled and reused in schools, divided in categories: waste disposed, waste composted-organic, waste reused and waste recycled. It is to develop sustainable waste management practices.



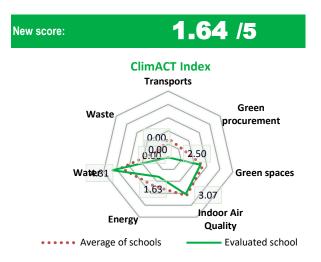
The follow-up comparison of environmental performance of school is as follows:

UPDATED RESULTS (0-5)

PREVIOUS RESULTS (0-5)

Energy

• • • • • Average of schools





Quality

Evaluated school

Sector	Results	Deviation
Transports	0.00	→ 0.00
Green procurement	0.00	→ 0.00
Green spaces	2.50	→ 0.00
Indoor Air Quality	3.07	→ 0.00
Energy	1.63	→ 0.00
Water	4.31	+0.26
Waste	0.00	→ 0.00

Sector	Initial results	Average of schools
Transports	0.00	1.42
Green procurement	0.00	1.19
Green spaces	2.50	2.70
Indoor Air Quality	3.07	3.20
Energy	1.63	2.41
Water	4.05	3.65
Waste	0.00	0.83





The follow-up comparison with regard to the breakdown of indicators per environmental sector is the following:

UPDATED RESULTS (0-5) PREVIOUS RESULTS (0-5)

Transports	Results		Deviation	Initial results	Average of schools
Parking	0.0		0.00	0.0	0.6
Public transports	0.0	\Rightarrow	0.00	0.0	0.6
CO ₂ emissions	0.0	->	0.00	0.0	2.9
Total transport	0.0	→	0.00	0.0	1.5
Green procurement	Results		Deviation	Initial results	Average of schools
Equipment	0.0	→	0.00	0.0	0.9
Paper	0.0		0.00	0.0	2.0
Training	0.0		0.00	0.0	0.1
Eco-driving	0.0	\Rightarrow	0.00	0.0	0.0
Food	0.0	\Rightarrow	0.00	0.0	0.2
Suppliers	0.0	\Rightarrow	0.00	0.0	1.0
Total	0.0	→	0.00	0.0	1.3
Green spaces	Results		Deviation	Initial results	Average of schools
Green areas	0.0	→	0.00	0.0	1.0
Usage of chemicals	5.0	→	0.00	5.0	4.6
CO ₂ sequestration	0.0	\Rightarrow	0.00	0.0	0.7
CO ₂ emissions	5.0	\Rightarrow	0.00	5.0	4.6
Total	2.5	⇒	0.00	2.5	2.7
Indoor Air Quality	Results		Deviation	Initial results	Average of schools
Air pollutants	4.2	→	0.00	4.2	4.0
Ventilation	5.0	\Rightarrow	0.00	5.0	3.4
Thermal comfort	0.0	\Rightarrow	0.00	0.0	3.2
Total	3.1	→	0.00	3.1	3.5
Energy	Results		Deviation	Initial results	Average of schools
Energy consumption	1.6	→	0.00	1.6	3.4
Energy cost	4.9	\Rightarrow	0.00	4.9	3.8
Renewable energy	0.0	\Rightarrow	0.00	0.0	0.2
CO ₂ emissions	0.0	\Rightarrow	0.00	0.0	2.4
Total	1.6	→	0.00	1.6	2.5
Water	Results		Deviation	Initial results	Average of schools
Water consumption/m²	4.4	1	+0.59	3.8	4.1
Water consumption/student	4.3	1	+0.44	3.8	4.4
Water cost/m ²	4.6	→	0.00	4.6	3.7
Water cost/student	4.0	→	0.00	4.0	3.6
Total	4.3	↑	+0.26	4.1	4.0
Waste	Results		Deviation	Initial results	Average of schools
Waste produced	0.0	⇒	0.00	0.0	2.2
Waste recycled	0.0	→	0.00	0.0	0.9
				0.0	
Waste reused	0.0		0.00	0.0	0.5





FOLLOW-UP REPORT. COMPARISON WITH INITIAL PERFORMANCE

- Bayside Comprehensive School (BAYSIDE) -



FOR A LOW CARBON ECONOMY

JUNE 2019



This report provides a comparison with the initial environmental performance of school, with the aim of following-up of activities carried out in school. Environmental and energy performance was assessed based on audits and surveys in schools in order to reduce resources consumption and respective associated costs and CO₂ emissions.

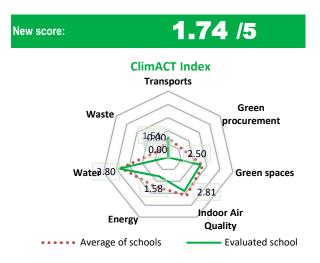
TRANSPORTS	Transports sector survey analysed the users' behaviour based on the transport mode used in the home-school path, quantifying the CO_2 emissions associated, and also based in the quantification of different parking spaces (disable, electric and bicycle) in schools, and the transports access and availability nearby schools.
GREEN PROCUREMENT	Green procurement audits evaluated the negative environmental impact of products and services acquired by the school. This analyses was based on electric and electronic equipment labelling, consumption of recycled paper, training in green procurement and eco-driving, and preference for food with biological certificate and local suppliers.
GREEN SPACES	Green areas have a huge influence in CO_2 emissions and sequestration. Green spaces audits analysed and quantified the green areas, the CO_2 sequestration, the use of chemists and resources consumption associated to the green areas maintenance, and the CO_2 emissions.
INDOOR AIR QUALITY	IAQ and comfort audits were performed based on measurements in selected rooms to be representative of the building in terms of size, number of occupants and activities, furnishings or equipment that can release pollutants to the indoor air. Main indoor and outdoor pollutants were identified and analysed.
ENERGY	Energy audits evaluated the energy consumption of the schools of the last three years (2014, 2015, and 2016), and its ${\rm CO_2}$ emissions associated.
WATER	Water audits identified how much water was being consumed in schools for each use or sector, based on measurements and water losses and leakages, for the last three years (2014, 2015, and 2016), and its CO_2 emissions associated.
WASTE	Waste audits quantified the volume of waste produced, recycled and reused in schools, divided in categories: waste disposed, waste composted-organic, waste reused and waste recycled. It is to develop sustainable waste management practices.

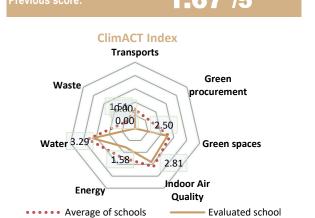


The follow-up comparison of environmental performance of school is as follows:

UPDATED RESULTS (0-5)

PREVIOUS RESULTS (0-5)





Sector	Results	Deviation
Transports	1.51	→ 0.00
Green procurement	0.00	→ 0.00
Green spaces	2.50	→ 0.00
Indoor Air Quality	2.81	→ 0.00
Energy	1.58	→ 0.00
Water	3.80	+0.51
Waste	0.00	→ 0.00

tial results	Average of schools
1.51	1.42
0.00	1.19
2.50	2.70
2.81	3.20
1.58	2.41
3.29	3.65
0.00	0.83
	0.00 2.50 2.81 1.58 3.29





The follow-up comparison with regard to the breakdown of indicators per environmental sector is the following:

UPDATED RESULTS (0-5) PREVIOUS RESULTS (0-5)

Transports	Results		Deviation	_	Initial results	Average of schools
Parking	0.0		0.00		0.0	0.6
Public transports	0.0	\Rightarrow	0.00		0.0	0.6
CO ₂ emissions	3.8	\Rightarrow	0.00	_	3.8	2.9
Total transport	1.5	→	0.00		1.5	1.5
Green procurement	Results		Deviation	_	Initial results	Average of schools
Equipment	0.0	\Rightarrow	0.00		0.0	0.9
Paper	0.0		0.00		0.0	2.0
Training	0.0	\Rightarrow	0.00		0.0	0.1
Eco-driving	0.0		0.00		0.0	0.0
Food	0.0	\Rightarrow	0.00		0.0	0.2
Suppliers	0.0	\Rightarrow	0.00		0.0	1.0
Total	0.0	⇒	0.00		0.0	1.3
Green spaces	Results		Deviation		Initial results	Average of schools
Green areas	0.0	→	0.00		0.0	1.0
Usage of chemicals	5.0	->	0.00		5.0	4.6
CO ₂ sequestration	0.0	->	0.00		0.0	0.7
CO ₂ emissions	5.0	\Rightarrow	0.00		5.0	4.6
Total	2.5	⇒	0.00		2.5	2.7
Indoor Air Quality	Results		Deviation		Initial results	Average of schools
Air pollutants	3.4	-	0.00		3.4	4.0
Ventilation	5.0	-	0.00		5.0	3.4
Thermal comfort	0.0	-	0.00		0.0	3.2
Total	2.8	→	0.00		2.8	3.5
Energy	Results		Deviation		Initial results	Average of schools
Energy consumption	1.6	→	0.00	_	1.6	3.4
Energy cost	4.7	-	0.00		4.7	3.8
Renewable energy	0.0	-	0.00		0.0	0.2
CO ₂ emissions	0.0		0.00		0.0	2.4
Total	1.6	→	0.00		1.6	2.5
Water	Results		Deviation		Initial results	Average of schools
Water consumption/m ²	3.8	1	+1.18	-	2.6	4.1
Water consumption/student	3.5	•	+0.87		2.6	4.4
Water cost/m ²	4.4	→	0.00		4.4	3.7
Water cost/student	3.5	→	0.00		3.5	3.6
Total	3.8	1	+0.51	_	3.3	4.0
Waste	Results		Deviation		Initial results	Average of schools
Waste produced	0.0	→	0.00	-	0.0	2.2
Waste recycled	0.0	→	0.00		0.0	0.9
Waste reused	0.0	→	0.00		0.0	0.5
Total	0.0	→	0.00		0.0	1.5





FOLLOW-UP REPORT. COMPARISON WITH INITIAL PERFORMANCE

- St Anne's Middle School (SAMS) -



FOR A LOW CARBON ECONOMY

JUNE 2019



This report provides a comparison with the initial environmental performance of school, with the aim of following-up of activities carried out in school. Environmental and energy performance was assessed based on audits and surveys in schools in order to reduce resources consumption and respective associated costs and CO₂ emissions.

TRANSPORTS	Transports sector survey analysed the users' behaviour based on the transport mode used in the home-school path, quantifying the CO_2 emissions associated, and also based in the quantification of different parking spaces (disable, electric and bicycle) in schools, and the transports access and availability nearby schools.
GREEN PROCUREMENT	Green procurement audits evaluated the negative environmental impact of products and services acquired by the school. This analyses was based on electric and electronic equipment labelling, consumption of recycled paper, training in green procurement and eco-driving, and preference for food with biological certificate and local suppliers.
GREEN SPACES	Green areas have a huge influence in CO_2 emissions and sequestration. Green spaces audits analysed and quantified the green areas, the CO_2 sequestration, the use of chemists and resources consumption associated to the green areas maintenance, and the CO_2 emissions.
INDOOR AIR QUALITY	IAQ and comfort audits were performed based on measurements in selected rooms to be representative of the building in terms of size, number of occupants and activities, furnishings or equipment that can release pollutants to the indoor air. Main indoor and outdoor pollutants were identified and analysed.
ENERGY	Energy audits evaluated the energy consumption of the schools of the last three years (2014, 2015, and 2016), and its ${\rm CO_2}$ emissions associated.
WATER	Water audits identified how much water was being consumed in schools for each use or sector, based on measurements and water losses and leakages, for the last three years (2014, 2015, and 2016), and its CO_2 emissions associated.
WASTE	Waste audits quantified the volume of waste produced, recycled and reused in schools, divided in categories: waste disposed, waste composted-organic, waste reused and waste recycled. It is to develop sustainable waste management practices.



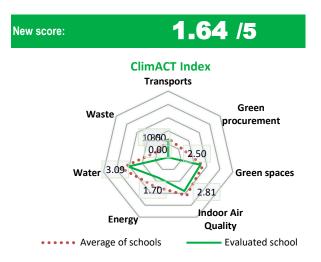
The follow-up comparison of environmental performance of school is as follows:

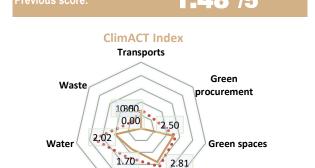
UPDATED RESULTS (0-5)

PREVIOUS RESULTS (0-5)

Energy

• • • • • Average of schools





Indoor Air

Quality

Evaluated school

Sector	Results	Deviation
Transports	1.35	→ 0.00
Green procurement	0.00	→ 0.00
Green spaces	2.50	→ 0.00
Indoor Air Quality	2.81	→ 0.00
Energy	1.70	→ 0.00
Water	3.09	+1.07
Waste	0.00	→ 0.00

Sector	Initial results	Average of schools
Transports	1.35	1.42
Green procurement	0.00	1.19
Green spaces	2.50	2.70
Indoor Air Quality	2.81	3.20
Energy	1.70	2.41
Water	2.02	3.65
Waste	0.00	0.83





The follow-up comparison with regard to the breakdown of indicators per environmental sector is the following:

UPDATED RESULTS (0-5) PREVIOUS RESULTS (0-5)

Transports	Results		Deviation	Initial results	Average of schools
Parking	0.0	→	0.00	0.0	0.6
Public transports	0.0		0.00	0.0	0.6
CO ₂ emissions	3.4	-	0.00	3.4	2.9
Total transport	1.3	→	0.00	1.3	1.5
Green procurement	Results		Deviation	Initial results	Average of schools
Equipment	0.0	->	0.00	0.0	0.9
Paper	0.0		0.00	0.0	2.0
Training	0.0	\Rightarrow	0.00	0.0	0.1
Eco-driving	0.0		0.00	0.0	0.0
Food	0.0		0.00	0.0	0.2
Suppliers	0.0	\Rightarrow	0.00	0.0	1.0
Total	0.0	⇒	0.00	0.0	1.3
Green spaces	Results		Deviation	Initial results	Average of schools
Green areas	0.0	→	0.00	0.0	1.0
Usage of chemicals	5.0	-	0.00	5.0	4.6
CO ₂ sequestration	0.0		0.00	0.0	0.7
CO ₂ emissions	5.0		0.00	5.0	4.6
Total	2.5	⇒	0.00	2.5	2.7
Indoor Air Quality	Results		Deviation	Initial results	Average of schools
Air pollutants	3.4	⇒	0.00	3.4	4.0
Ventilation	5.0		0.00	5.0	3.4
Thermal comfort	0.0	-	0.00	0.0	3.2
Total	2.8	→	0.00	2.8	3.5
Energy	Results		Deviation	Initial results	Average of schools
Energy consumption	1.9	→	0.00	1.9	3.4
Energy cost	5.0		0.00	5.0	3.8
Renewable energy	0.0		0.00	0.0	0.2
CO ₂ emissions	0.0		0.00	0.0	2.4
Total	1.7	→	0.00	1.7	2.5
Water	Results		Deviation	Initial results	Average of schools
Water consumption/m ²	2.5	1	+2.46	0.0	4.1
Water consumption/student	1.8	1	+1.82	0.0	4.4
Water cost/m ²	4.4	→	0.00	4.4	3.7
Water cost/student	3.7		0.00	3.7	3.6
Total	3.1	1	+1.07	2.0	4.0
Waste	Results		Deviation	Initial results	Average of schools
Waste produced	0.0	→	0.00	0.0	2.2
Waste recycled	0.0	→	0.00	0.0	0.9
•		_			
Waste reused	0.0	\rightarrow	0.00	0.0	0.5





FOLLOW-UP REPORT. COMPARISON WITH INITIAL PERFORMANCE

- Gibraltar College (COLLEGE) -



FOR A LOW CARBON ECONOMY

JUNE 2019



This report provides a comparison with the initial environmental performance of school, with the aim of following-up of activities carried out in school. Environmental and energy performance was assessed based on audits and surveys in schools in order to reduce resources consumption and respective associated costs and CO₂ emissions.

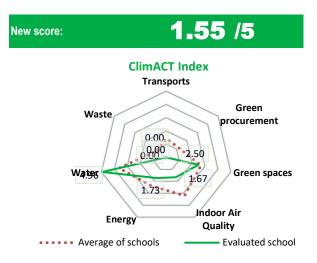
TRANSPORTS	Transports sector survey analysed the users' behaviour based on the transport mode used in the home-school path, quantifying the CO_2 emissions associated, and also based in the quantification of different parking spaces (disable, electric and bicycle) in schools, and the transports access and availability nearby schools.
GREEN PROCUREMENT	Green procurement audits evaluated the negative environmental impact of products and services acquired by the school. This analyses was based on electric and electronic equipment labelling, consumption of recycled paper, training in green procurement and eco-driving, and preference for food with biological certificate and local suppliers.
GREEN SPACES	Green areas have a huge influence in CO_2 emissions and sequestration. Green spaces audits analysed and quantified the green areas, the CO_2 sequestration, the use of chemists and resources consumption associated to the green areas maintenance, and the CO_2 emissions.
INDOOR AIR QUALITY	IAQ and comfort audits were performed based on measurements in selected rooms to be representative of the building in terms of size, number of occupants and activities, furnishings or equipment that can release pollutants to the indoor air. Main indoor and outdoor pollutants were identified and analysed.
ENERGY	Energy audits evaluated the energy consumption of the schools of the last three years (2014, 2015, and 2016), and its ${\rm CO_2}$ emissions associated.
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WASTE	Waste audits quantified the volume of waste produced, recycled and reused in schools, divided in categories: waste disposed, waste composted-organic, waste reused and waste recycled. It is to develop sustainable waste management practices.

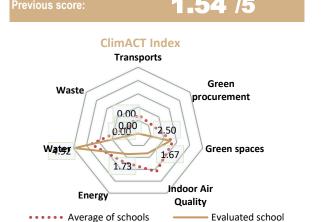


The follow-up comparison of environmental performance of school is as follows:

UPDATED RESULTS (0-5)

PREVIOUS RESULTS (0-5)





Sector	Results	Deviation
Transports	0.00	→ 0.00
Green procurement	0.00	→ 0.00
Green spaces	2.50	→ 0.00
Indoor Air Quality	1.67	→ 0.00
Energy	1.73	→ 0.00
Water	4.96	+0.04
Waste	0.00	→ 0.00

Sector	Initial results	Average of schools
Transports	0.00	1.42
Green procurement	0.00	1.19
Green spaces	2.50	2.70
Indoor Air Quality	1.67	3.20
Energy	1.73	2.41
Water	4.92	3.65
Waste	0.00	0.83





The follow-up comparison with regard to the breakdown of indicators per environmental sector is the following:

UPDATED RESULTS (0-5)	PREVIOUS RESULTS (0-5)
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Transports	Results		Deviation	Initial results	Average of schools
Parking	0.0	→	0.00	0.0	0.6
Public transports	0.0	\Rightarrow	0.00	0.0	0.6
CO ₂ emissions	0.0		0.00	0.0	2.9
Total transport	0.0	⇒	0.00	0.0	1.5
Green procurement	Results		Deviation	Initial results	Average of schools
Equipment	0.0	→	0.00	0.0	0.9
Paper	0.0		0.00	0.0	2.0
Training	0.0	-	0.00	0.0	0.1
Eco-driving	0.0		0.00	0.0	0.0
Food	0.0	>	0.00	0.0	0.2
Suppliers	0.0	\Rightarrow	0.00	0.0	1.0
Fotal	0.0	→	0.00	0.0	1.3
Green spaces	Results		Deviation	Initial results	Average of schools
Green areas	0.0	→	0.00	0.0	1.0
Jsage of chemicals	5.0	->	0.00	5.0	4.6
CO ₂ sequestration	0.0	→	0.00	0.0	0.7
CO ₂ emissions	5.0	→	0.00	5.0	4.6
Total	2.5	⇒	0.00	2.5	2.7
Indoor Air Quality	Results		Deviation	Initial results	Average of schools
Air pollutants	0.0	→	0.00	0.0	4.0
/entilation	5.0	→	0.00	5.0	3.4
Thermal comfort	0.0	→	0.00	0.0	3.2
Total	1.7	→	0.00	1.7	3.5
Energy	Results		Deviation	Initial results	Average of schools
Energy consumption	2.0	→	0.00	2.0	3.4
Energy cost	4.9	→	0.00	4.9	3.8
Renewable energy	0.0	→	0.00	0.0	0.2
CO ₂ emissions	0.0	→	0.00	0.0	2.4
Total	1.7	→	0.00	1.7	2.5
Vater	Results		Deviation	Initial results	Average of schools
Water consumption/m ²	4.9	1	+0.09	4.9	4.1
Water consumption/student	4.9	•	+0.07	4.8	4.4
Water cost/m ²	5.0	→	0.00	5.0	3.7
Water cost/student	5.0	→	0.00	5.0	3.6
Total	5.0	1	+0.04	4.9	4.0
Waste	Results		Deviation	Initial results	Average of schools
Waste produced	0.0	→	0.00	0.0	2.2
Waste recycled	0.0	→	0.00	0.0	0.9
Waste reused	0.0	→	0.00	0.0	0.5
Total	0.0	→	0.00	0.0	1.5
Total	0.0		0.00	0.0	1.3





FOLLOW-UP REPORT. COMPARISON WITH INITIAL PERFORMANCE

- University of Gibraltar (UNIGIB) -



FOR A LOW CARBON ECONOMY

JUNE 2019



This report provides a comparison with the initial environmental performance of school, with the aim of following-up of activities carried out in school. Environmental and energy performance was assessed based on audits and surveys in schools in order to reduce resources consumption and respective associated costs and CO₂ emissions.

TRANSPORTS	Transports sector survey analysed the users' behaviour based on the transport mode used in the home-school path, quantifying the $\rm CO_2$ emissions associated, and also based in the quantification of different parking spaces (disable, electric and bicycle) in schools, and the transports access and availability nearby schools.
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INDOOR AIR QUALITY	IAQ and comfort audits were performed based on measurements in selected rooms to be representative of the building in terms of size, number of occupants and activities, furnishings or equipment that can release pollutants to the indoor air. Main indoor and outdoor pollutants were identified and analysed.
ENERGY 4	Energy audits evaluated the energy consumption of the schools of the last three years (2014, 2015, and 2016), and its ${\rm CO_2}$ emissions associated.
WATER	Water audits identified how much water was being consumed in schools for each use or sector, based on measurements and water losses and leakages, for the last three years (2014, 2015, and 2016), and its CO_2 emissions associated.
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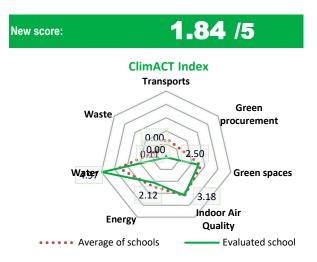
Evaluated school

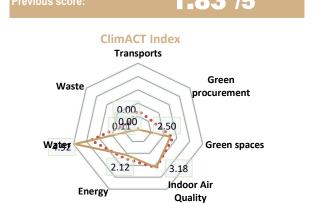
The follow-up comparison of environmental performance of school is as follows:

UPDATED RESULTS (0-5)

PREVIOUS RESULTS (0-5)

• • • • • Average of schools





Sector	Results	Deviation
Transports	0.11	→ 0.00
Green procurement	0.00	→ 0.00
Green spaces	2.50	→ 0.00
Indoor Air Quality	3.18	→ 0.00
Energy	2.12	→ 0.00
Water	4.97	1 +0.05
Waste	0.00	→ 0.00

Sector	Initial results	Average of schools
Transports	0.11	1.42
Green procurement	0.00	1.19
Green spaces	2.50	2.70
Indoor Air Quality	3.18	3.20
Energy	2.12	2.41
Water	4.92	3.65
Waste	0.00	0.83





The follow-up comparison with regard to the breakdown of indicators per environmental sector is the following:

UPDATED RESULTS (0-5) PREVIOUS RESULTS (0-5)

Transports	Results		Deviation	Initial results	Average of schools
Parking	0.3		0.00	0.3	0.6
Public transports	0.0		0.00	0.0	0.6
CO ₂ emissions	0.0	\Rightarrow	0.00	0.0	2.9
Total transport	0.1	-	0.00	0.1	1.5
Green procurement	Results		Deviation	Initial results	Average of schools
Equipment	0.0	->	0.00	0.0	0.9
Paper	0.0	\Rightarrow	0.00	0.0	2.0
Training	0.0	->	0.00	0.0	0.1
Eco-driving	0.0	\Rightarrow	0.00	0.0	0.0
Food	0.0	\Rightarrow	0.00	0.0	0.2
Suppliers	0.0	\Rightarrow	0.00	0.0	1.0
Total	0.0	⇒	0.00	0.0	1.3
Green spaces	Results		Deviation	Initial results	Average of schools
Green areas	0.0	\Rightarrow	0.00	0.0	1.0
Usage of chemicals	5.0	\Rightarrow	0.00	5.0	4.6
CO ₂ sequestration	0.0	\Rightarrow	0.00	0.0	0.7
CO ₂ emissions	5.0	\Rightarrow	0.00	5.0	4.6
Total	2.5	->	0.00	2.5	2.7
Indoor Air Quality	Results		Deviation	Initial results	Average of schools
Air pollutants	4.5	\Rightarrow	0.00	4.5	4.0
Ventilation	5.0	\Rightarrow	0.00	5.0	3.4
Thermal comfort	0.0	-	0.00	0.0	3.2
Total	3.2	→	0.00	3.2	3.5
Energy	Results		Deviation	Initial results	Average of school
Energy consumption	4.4	→	0.00	4.4	3.4
Energy cost	4.1	\Rightarrow	0.00	4.1	3.8
Renewable energy	0.0	\Rightarrow	0.00	0.0	0.2
CO ₂ emissions	0.0	\Rightarrow	0.00	0.0	2.4
Total	2.1	⇒	0.00	2.1	2.5
Water	Results		Deviation	Initial results	Average of schools
Water consumption/m ²	5.0	1	+0.02	5.0	4.1
Water consumption/student	5.0	1	+0.01	5.0	4.4
Water cost/m ²	4.9	1	+0.07	4.8	3.7
Water cost/student	4.9	1	+0.09	4.8	3.6
Total	5.0	1	+0.05	4.9	4.0
Waste	Results		Deviation	Initial results	Average of schools
Waste produced	0.0	→	0.00	0.0	2.2
Waste recycled	0.0	→	0.00	0.0	0.9
•		_			
Waste reused	0.0	-	0.00	0.0	0.5

References

ClimACT webpage: http://www.climact.net/

TRIBE project: http://tribe-h2020.eu/250measures/