

2022 Sustainable Bonds

A light gray silhouette map of the region of Andalusia, Spain, centered on the page. The map shows the outline of the region, including its coastline and internal provincial boundaries.

**Allocation and Impact
Report**

March 2024



Junta de Andalucía

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SECTION 1

Andalusian Sustainable Financing Framework



Junta de Andalucía

Sustainable finance development in Junta de Andalucía



(1) https://juntadeandalucia.es/export/drupaljda/Andalucia_Sustainability_Framework_March_2021.pdf

(2) https://juntadeandalucia.es/export/drupaljda/Junta_de_Andalucia_Sustainable_Finance_Framework_Second_Party_Opinion_0.pdf

Governance



Use of Proceeds

The proceeds raised through Sustainable Finance instruments of Junta de Andalucía **will be exclusively allocated to environmental projects and social projects**", in line with the eligibility criteria set forth in the Framework.



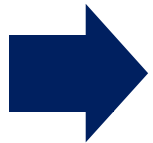
Project Evaluation and Selection process

The process to select and evaluate the eligibility of the Junta de Andalucía programs and projects is carried out under the responsibility of a **Sustainable Financing Committee** integrated into the regional Ministry of Finance.



Management of proceeds

The proceeds of the Sustainable Financing Instrument will be allocated to budgetary Programmes in the General Budget of Junta de Andalucía, corresponding to **the fiscal year of the Sustainable Financing Instrument**'. Junta de Andalucía has internal systems in place to track the net proceeds of its Sustainable Finance instruments. The Sustainable Financing Committee will monitor and **avoids any double allocation of funds**.




















Allocation and Impact Reporting

Junta de Andalucía will provide information on the amount allocated to sustainable bonds for each year, detailing the eligible categories, as well as the estimate of the social and environmental impacts or results of the eligible programs. **The allocation and impact reports will be published on the website of the Junta de Andalucía**⁽¹⁾

(1) https://juntadeandalucia.es/sites/default/files/inline-files/2023/02/Informe%20seguimiento%20bonos%20sostenibles_ESPA%C3%91OL-%2027.02.2023.pdf

SECTION 1. Andalusian Sustainable Financing Framework

Contribution from the eligibles categories to the SDGs

ELIGIBLE CATEGORIES	ELIGIBLE CATEGORY DEFINITION	BUDGETARY PROGRAMS	SDG
Access to essential services: education	Projects aimed at providing universal access to Andalusians to quality education at different levels of the educational system, guaranteeing the inclusion of disadvantaged groups in the educational system and reducing school failure.	31P, 42C, 42D, 42E, 42F, 42I, 42J	 
Access to essential services: Health	Projects aimed at providing the Andalusian population with universal access to quality health services	31B, 31P, 41B, 41C, 41E, 41F, 41G, 41H	 
Socioeconomic Advancement	Projects that aim to improve the well-being and social inclusion of vulnerable segments of population (unprotected children, victims of gender violence, the elderly and dependents)	14B, 31E, 31G, 31R	 
Affordable housing	Projects and programs aimed at facilitating access to housing for the most vulnerable population	43A	
Employment support to SMEs	Projects that promote generation of stable employment, reintegration of unemployed people in the labor market, promotion of entrepreneurship, as well as the support for small and medium-sized enterprises, key to strengthening the labor market in Andalusia.	32D, 32L, 72C	
Renewable energy and energy efficiency	Projects and programs that aim to increase the use and production of renewable energy in Andalusia, promote a low-carbon economy, promote energy savings and improve the energy efficiency of buildings and public and private infrastructures	73A	  
Clean transportation	Programs that aim to reduce the dependence of public transport on fossil fuels, promoting the use of public transport, as well as the replacement of fossil fuel vehicles with others that use alternative fuels.	51B, 73A	 
Environmental preservation and protection of biodiversity	Programs aimed at guaranteeing and promoting the conservation of ecosystems and natural heritage and biodiversity.	44E	 
Sustainable management of water resources	Programs aimed at preserving water assets, improving the ecological status and quality of water, sanitation and wastewater treatment.	51D	
Pollution prevention and climate change control and mitigation	Programs aimed at improving air, water and soil quality, preventing environmental risks and damage, recycling waste and fighting against climate change and its mitigation.	44B, 44F	

SECTION 2

Sustainable Bonds of Junta de Andalucía (2021-2022)



Sustainable Bonds 2021-2022

Junta de Andalucía issued a sustainable bond in 2022 for 500 million euros. The net proceeds from the issuance were fully allocated to finance expenditures of the budget programs carry out in the fiscal year of the issues and described in this report.

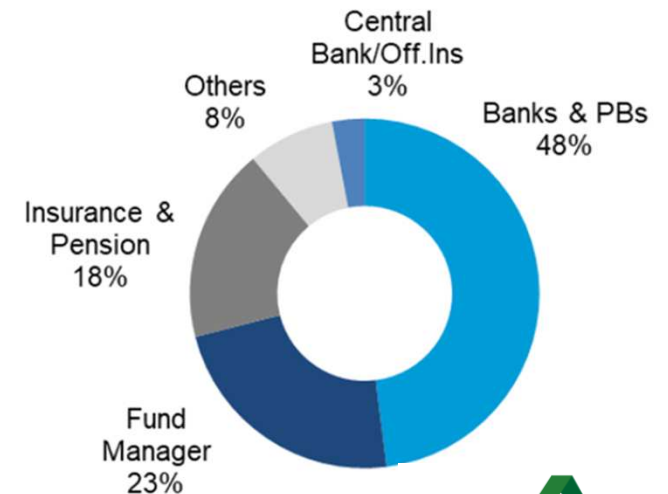
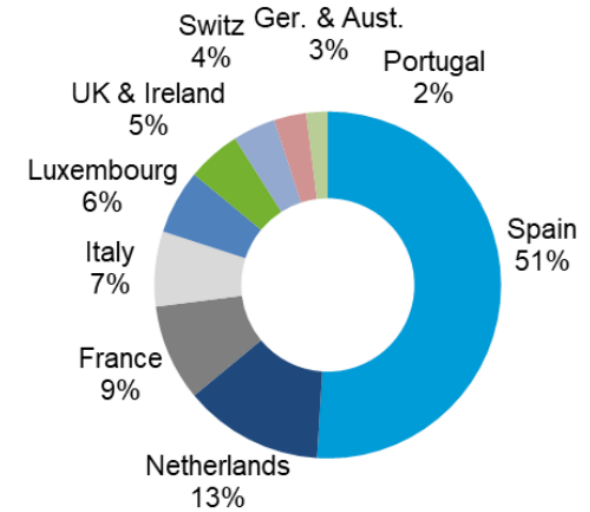
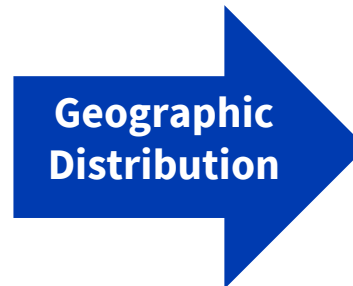
	2021 Inaugural bond	2021 (2 nd)	2022
ISIN	ES0000090847	ES0000090888	ES0000090896
Pricing date	8 th April 2021	7th July 2021	31st May 2022
Maturity	30 th April 2031 (long 10 year)	30th July 2033 (long 12 years)	30th April 2032 (short 10 years)
Amount	1,000 MM€	500 MM€	500 MM€
Coupon	0.50%	0.70%	2.40%
Reoffer Spread	SPGB 0.10% 04/30/31 + 18bps	SPGB 2.35% 07/30/33 + 22 bps	SPGB 0.7% 04/30/32 + 25 bps
Listing	AIAF		

2022

500 MM€

Sustainable Bond of 2022

2022
ES0000090896
31st May 2022
30th April 2032 (short 10 years)
500 MM€
2.40%
SPGB 0.7% 04/30/32 + 25 bps



SECTION 3

Sustainable spending in 2022



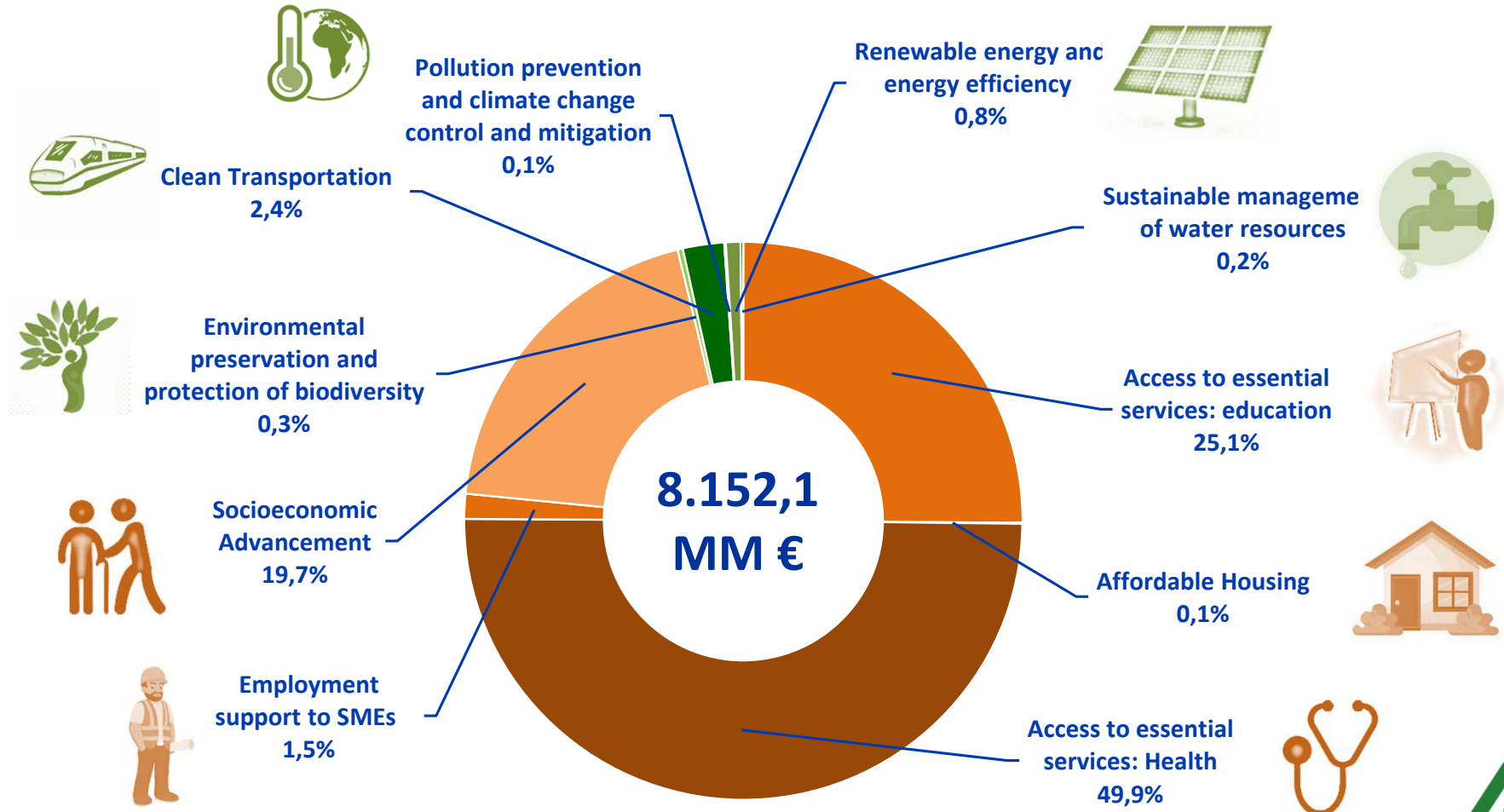
SECTION 3. Sustainable spending in 2022

A. Executed and eligible sustainable expenditures (2022)

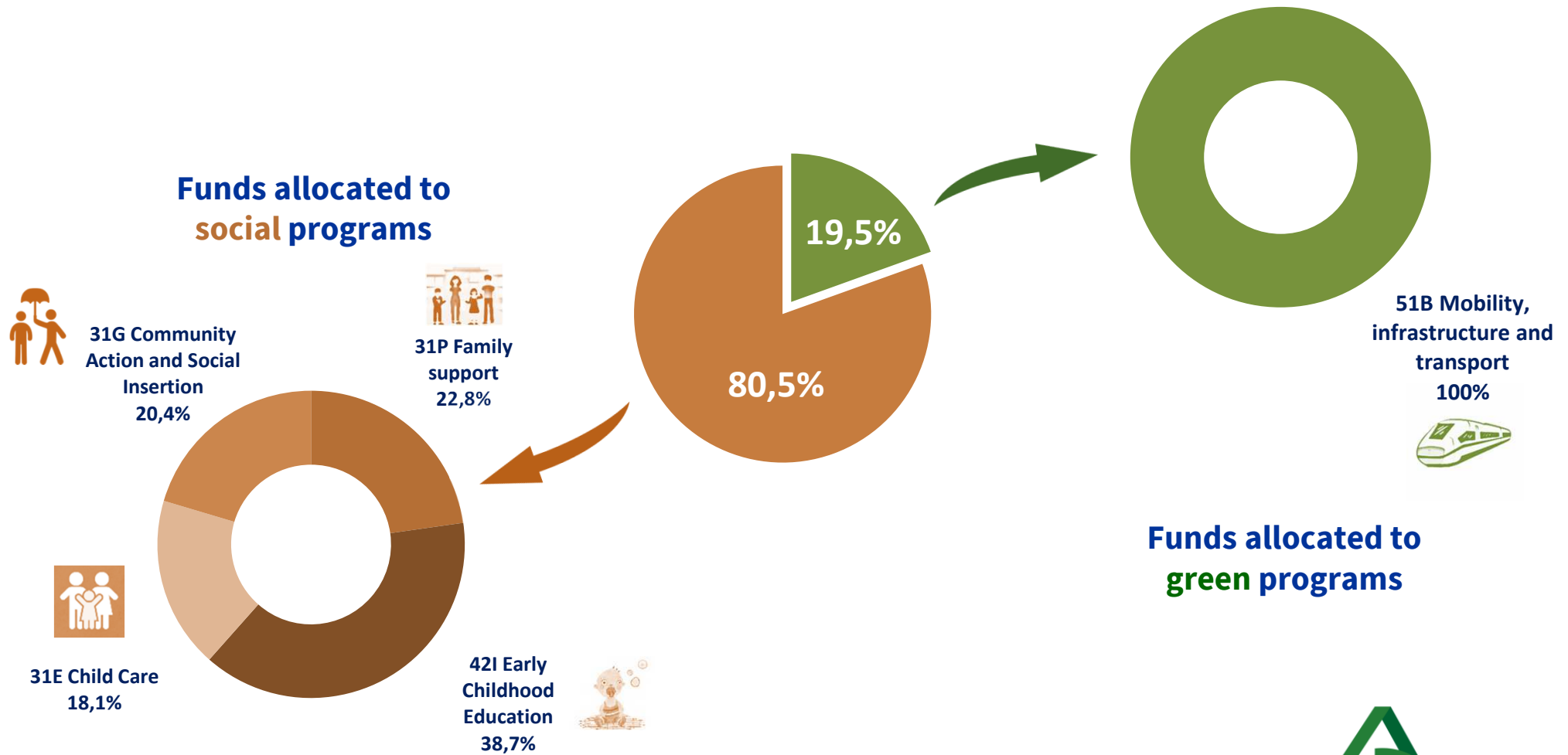
Millions of Euros

ELIGIBLE CATEGORIES	BUDGETARY PROGRAMS	BUDGET AMOUNT	EXECUTED AMOUNT	EXECUTED AND ELIGIBLE AMOUNT
Access to essential services: education	31P, 42C, 42D, 42E, 42F, 42I, 42J	3.429,4	3.756,4	2.047,3
Access to essential services: Health	31B, 31P, 41B, 41C, 41E, 41F, 41G, 41H	6.210,3	6.273,7	4.071,2
Socioeconomic Advancement	14B, 31E, 31G, 31R	1.941,0	1.991,1	1.602,1
Affordable housing	43A	219,2	140,6	4,4
Employment support to SMEs	32D, 32L, 72C	620,1	826,2	118,6
SOCIAL TOTAL		12.420,0	12.987,9	7.843,6
Renewable energy and energy efficiency	73A	115,3	68,6	68,6
Clean transportation	51B 73A	267,4	215,5	194,6
Environmental preservation and protection of biodiversity	44E	265,5	111,5	24,7
Sustainable management of water resources	51D	312,2	195,9	12,8
Pollution prevention and climate change control and mitigation	44B 44F	77,8	43,3	7,8
GREEN TOTAL		1.038,2	634,8	308,5
TOTAL		13.458,2	13.622,7	8.152,1

A. Executed and eligible sustainable expenditures (2022)



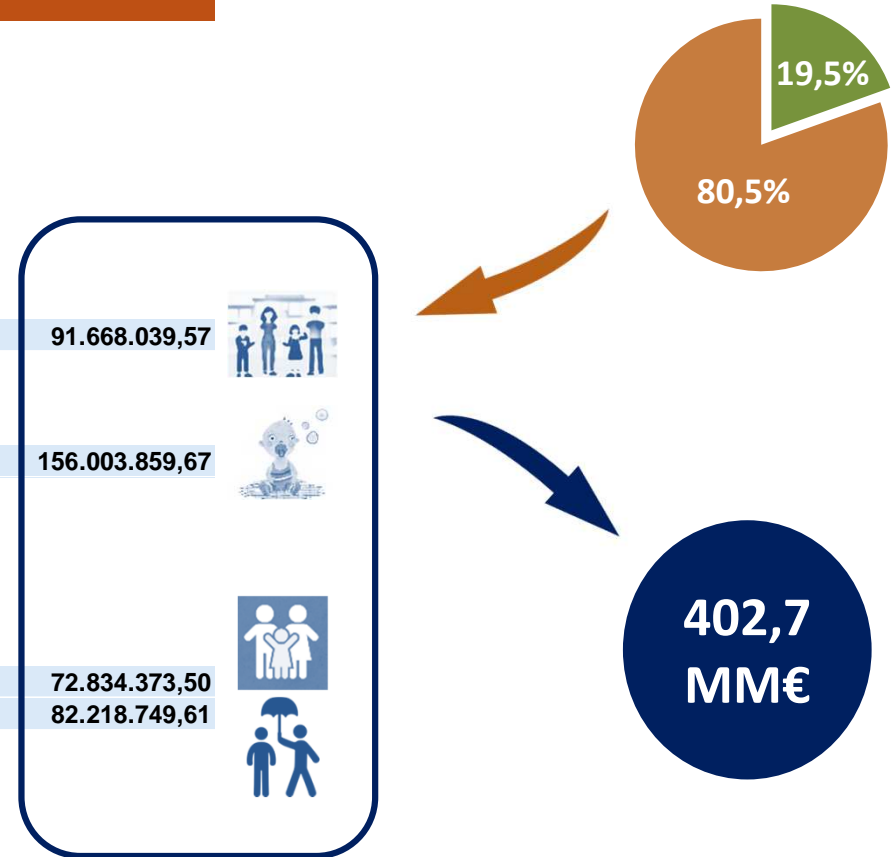
B. Eligible expenditures financed with the sustainable bonds issued in 2022




SECTION 3. Sustainable spending in 2022

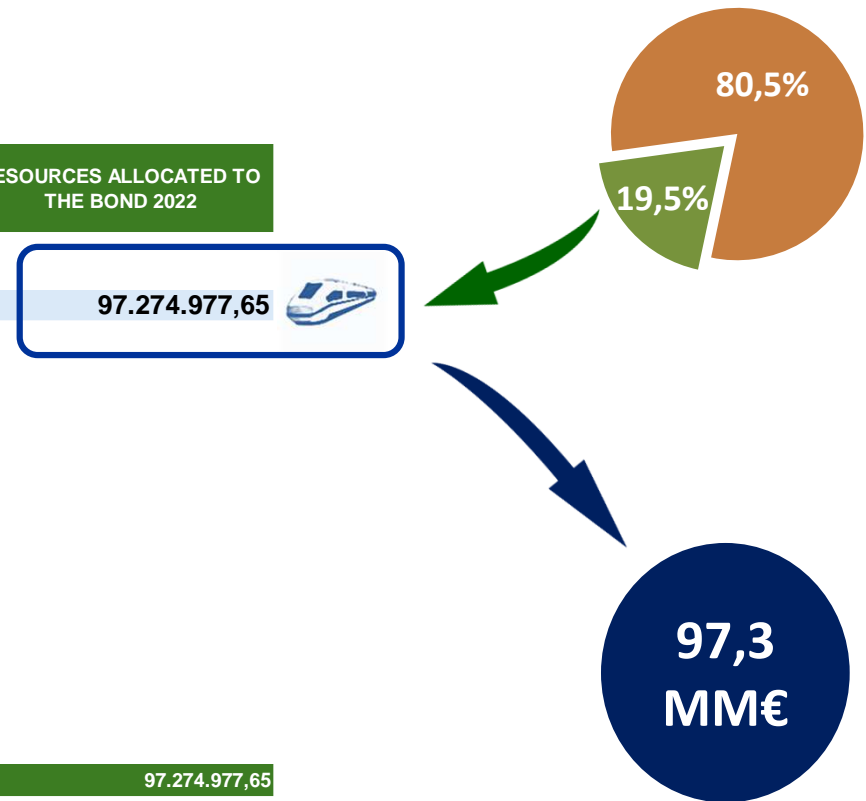
B. Eligible social expenditures financed with the sustainable bonds issued in 2022

BUDGET PROGRAM / ELIGIBLE CATEGORY	EXECUTED AMOUNT 2022	RESOURCES ALLOCATED TO THE BOND 2022
ACCESS TO ESSENTIAL SERVICES: HEALTH	4.071.175.498,04	
31B PLAN ON ADDICTIONS	12.190.820,99	
31P FAMILY SUPPORT (HEALTH)	45.426.988,58	
41C HEALTH CARE	1.742.276.449,20	
41H PLANNING AND FINANCING	26.910.560,00	
41G ACCESS TO PHARMACEUTICAL PRODUCTS	2.240.157.525,77	
41B CONTINUING HEALTH TRAINING	539.571,40	
41E HEMOTHERAPY	2.935.315,77	
41F TRANSPLANTS OF ORGANS	738.266,33	
ACCESS TO ESSENTIAL SERVICES: EDUCATION	2.047.297.776,93	
31P FAMILY SUPPORT (EDUCATION)	142.962.320,48	91.668.039,57
42C PRE-SCHOOL AND PRIMARY EDUCATION	22.084.900,04	
42D SECONDARY EDUCATION AND PROFESSIONAL TRAINING	95.132.564,16	
42E SPECIAL NEEDS EDUCATION	360.957,13	
42F COMPENSATORY EDUCATION	4.720.371,21	
42I EARLY CHILDHOOD EDUCATION	243.298.251,91	156.003.859,67
42J UNIVERSITIES	1.538.738.412,00	
AFFORDABLE HOUSING	4.446.572,26	
43A NEW HOUSING AND REHABILITATION	4.446.572,26	
SOCIOECONOMIC ADVANCEMENT	1.602.146.245,60	
14B JUSTICE ADMINISTRATION (FREE LEGAL AID PROGRAM)	45.481.743,14	
31E CHILD CARE	113.589.982,89	72.834.373,50
31G COMMUNITY ACTION AND SOCIAL INSERTION	128.225.532,99	82.218.749,61
31R CARE FOR DEPENDANT, ELDERLY AND HANDICAPPED PEOPLE	1.314.848.986,58	
EMPLOYMENT GENERATION AND SUPPORT TO SMES	118.625.242,43	
32D PROFESSIONAL TRAINING	597.069,15	
32L EMPLOYABILITY, INTERMEDIATION AND PROMOTION OF EMPLOYMENT	43.708.819,71	
72C SELF- EMPLOYMENT AND SOCIAL ECONOMY	74.319.353,57	
TOTAL SOCIAL PROJECTS	7.843.691.335,26	402.725.022,35



B. Eligible green expenditures financed with the sustainable bonds issued in 2022

BUDGET PROGRAM / ELIGIBLE CATEGORY	EXECUTED AMOUNT 2022	RESOURCES ALLOCATED TO THE BOND 2022
CLEAN TRANSPORT	194.549.955,30	97.274.977,65 
51B MOBILITY AND TRANSPORT INFRAESTRUCTURE	194.549.955,30	
RENEWABLE ENERGY AND ENERGY EFFICIENCY	68.599.861,03	
73A AND MULTIPLE PROGRAMS	68.599.861,03	
SUSTAINABLE WATER AND WASTEWATER MANAGEMENT	12.837.996,80	
51D WATER WORKS	12.837.996,80	
ENVIRONMENTAL AND BIODIVERSITY CONSERVATION	24.736.144,71	
44E NATURAL ENVIRONMENT MANAGEMENT	24.736.144,71	
POLLUTION PREVENTION AND CONTROL AND CLIMATE CHANGE MITIGATION	7.777.631,76	
44B PREVENTION AND ENVIRONMENTAL QUALITY	1.947.196,66	
44F ENVIRONMENTAL INFORMATION	5.830.435,10	
TOTAL GREEN PROJECTS	308.501.589,60	97.274.977,65



SECTION 4

Description of the Budget Programs financed with the sustainable bonds in 2022



Junta de Andalucía

SECTION 4.1



1) Family Support



It provides funds aimed, on the one hand, at **facilitating the work-life balance of Andalusian families** and, on the other, contributing to improving **the educational success** of their children.

In 2022, within this budget program, projects and measures such as the following have been financed, among others:

- ✓ **Free Textbooks Program**
- ✓ **Scholarships for Post-compulsory Studies**
- ✓ **School canteen service**
- ✓ **After-school Activities Service**
- ✓ **Morning Classroom Service**

31P
PROGRAM

142.9 MM€
executed in 2022



91.7 MM€
allocated in 2022

31P

Family
Support

a. Free Textbooks Program

It is applied in compulsory education provided in publicly funded schools. **Textbooks are the property of the educational administration** and remain, once each academic year has concluded, in the school, so that they can be used by other students in successive years.

The renewal of textbooks is carried out periodically, by educational levels, courses and annuities, so that **all books are renewed every four years**.

924,558 student beneficiaries in 2022

In 2022, the textbooks for the **first levels of primary education and basic vocational training**, as well as those for **special education**, have been renewed.

For the rest of the primary and secondary education levels, the books that were not in conditions suitable for use were replaced, with an **annual replacement rate around 10%**.



b. Scholarships for Post-compulsory Studies

13,238
benefited
students in
2022



Scholarships guarantee the right of students to access and remain in the educational system, making available to **the most disadvantaged families** the necessary aid to compensate for the shortcomings and disadvantages that prevent or hinder the exercise of this right.

In this way, the goal is to **contribute to preventing school dropouts**.

The financial aid offered during **2022** has been the “6,000 Scholarship” and the “Second Chance” Scholarship. The “**6,000 Scholarship**” receives its name from the amount assigned per school year (€6,000), and its objective is to maintaining the continuation of students in the educational system of high school and initial vocational training students. To receive the monthly allowance, the scholarship student **must attend class and pass the periodic exams** that are held throughout the year.

The “**Second Chance Scholarship**” aims to facilitate the reintegration into the educational system of **young people between 18-24 years** old who entered the world of work without having completed their studies.

31P

**Family
Support**

31P

Family
Support

c. School canteen service

It is provided to students in Early Childhood, Primary and Secondary Education, both **through directly managed canteens and through the financing of school canteens** in authorized public educational centers.

Families receive **subsidies based on their income**.

Students are guaranteed a **complete and healthy diet**, with diets prepared by nutritionists.

The service also includes a system of **subsidies for school meals in private special and compensatory education centers**.

**171,207 students
assisted in 2022**



d. After-school Activities Service

Public educational centers for Early Childhood, Primary and Secondary Education offer, **outside of school hours, various activities** (reading, sports, music, arts, health education, first aid, computing, languages...), as a complement to the student training activity.



Just like in the school canteen service, a system of **public price rebates is established based on the income levels of families**, which allows any student, regardless of their level of family income, to access this complementary training.

31P

Family
Support

114,408
students
assisted in
2022

e. Morning Classroom Service



The morning classroom service consists of the provision of an educational care and surveillance service in public teaching centers for Early Childhood and Primary Education during the hours between the beginning of the standard work-day and the school day of the center, in order **to facilitate work-family conciliation and women's access to the labor market.**



107,967 students assisted in 2022

421 PROGRAM



2) Early childhood education

Provides funds for the social, educational and welfare care of children under 3 years of age:

- Promotes equal opportunities and contributes to eliminating cultural differences and initial disadvantages of the vulnerable population.
- Improves the socialization and affective-emotional development of minors and promotes their educational success.
- It contributes to the early detection of developmental disorders, learning difficulties and disabling conditions.
- Facilitate work-family conciliation and the incorporation of women into the labor market.

The progress made since the approval of Decree-Law 1/2017 on urgent measures to promote schooling in the first cycle of Early Childhood Education has allowed Andalusia to be today (2024) **the fourth Spanish region with the highest schooling rate for this student body, higher than 56% and well above the recommendations of the European Union (33%).**

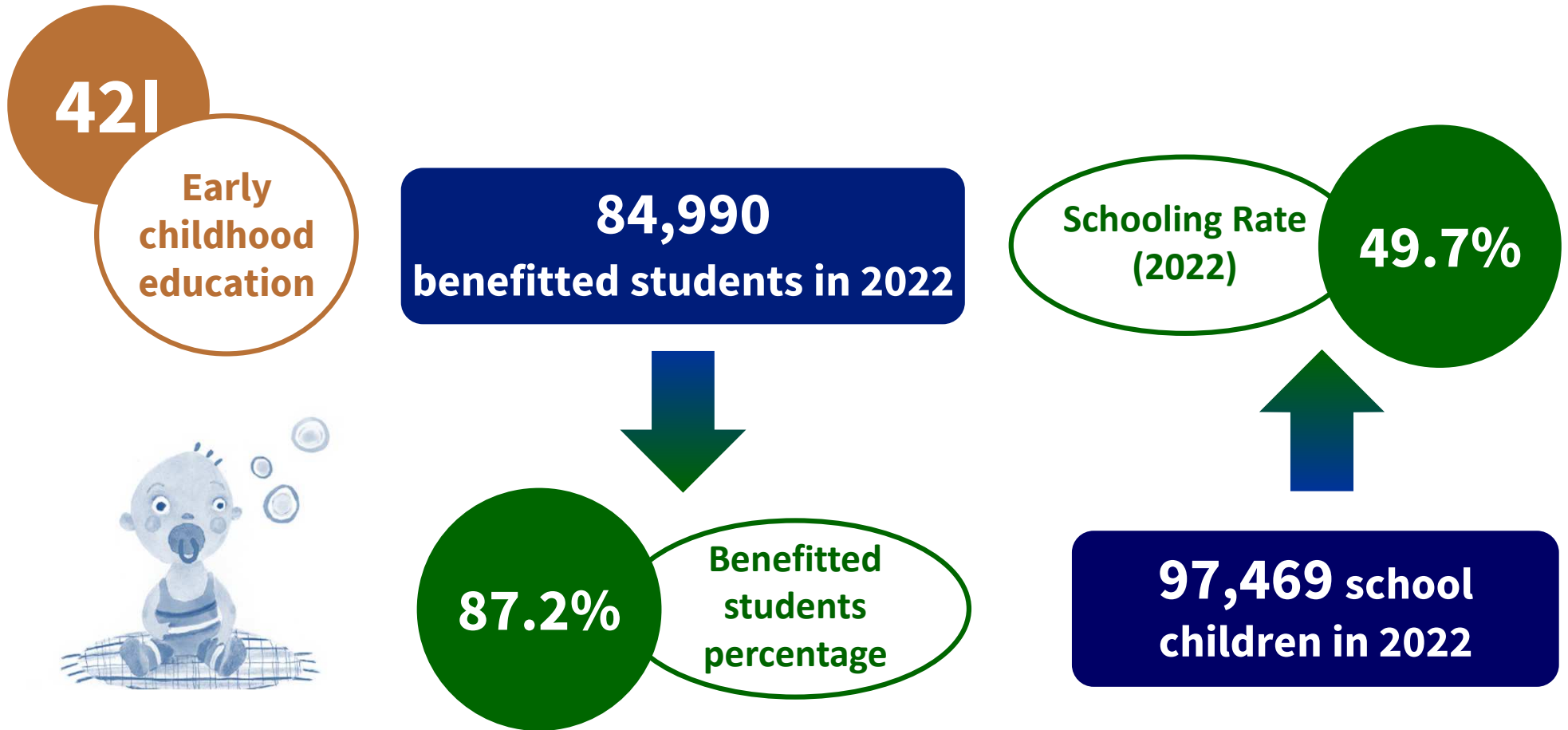
* Promoting pre-school enrollment aids
* Subsidies to collaborating educational centers

243.3 MM€
executed in 2022



156 MM€
allocated in 2022

SECTION 4.1. Social Programs



3) Child Care

31E
PROGRAM



Its objective is the promotion and protection of children's rights; it is articulated through the **Child Protection System**. Provides funds for the protection of minors at risk, in a situation of helplessness, wards, fostered, adopted or in charge of families at risk of poverty, as well as for the promotion of the social and professional inclusion of young people from the Child Protection System. During 2022, projects and measures such as the following have been financed within this budget program:

- ✓ Residential Care
- ✓ Family Foster Care
- ✓ Evaluation, Diagnosis and Treatment Program for child victims of sexual violence

113.6 MM€
executed in 2022



72.8 MM€
allocated in 2022

- ✓ Financial Aid Program for families with children to satisfy basic needs
- ✓ Social and Labor Integration Program (*Of age Program*)

31E

Child
Care

a. Residential Care

Its purpose is to **promote the full development of the personality of minors and their social integration**. It is inspired by a care model in which the interest of the minors in care, the technical quality and kindness of the professional actions, and an operating dynamic based on the family coexistence model prevail, thus guaranteeing the satisfaction of the basic needs of childhood and adolescence.



In 2022, funds have been provided for the management of places in the Child Protection System and the maintenance of the network of protection centers, both public and subsidized, which correspond, according to their typology, to the specificity of minors in depending on their specific needs, such as **immediate reception centers, behavioral disorder centers, social conflict centers, disability centers, basic residential care centers and social and labor inclusion centers**. Specific attention has been provided to **unaccompanied foreign minors** through immediate attention, individual study and diagnosis, and orientation and integration.

4.986
children
assisted in
Child
Protection
Centers in
2022

31E

Child
Care



b. Family Foster Care

It finances a broad set of actions aimed at achieving the **full integration of minors into a family unit** appropriate to their needs, to offer them an emotional environment of coexistence.

In 2022, the **recruitment of families** for foster care, the **training** and psychosocial evaluation of the family, the **psychosocial preparation** of the minor for foster care, the **monitoring** and support of the minor and the family during the foster care period and the **mediation** in the child's visits to his biological family have been financed.

Family foster care **has also been subsidized**, so that the attention and care provided to fostered minors does not entail an economic loss for the foster families.

3,390 children assisted in family foster care
and **2,303** aids have been granted to host families in 2022

c. Social and Labor Integration Program (*Of age Program*)

31E

Child
Care

Its objective is to maintain and promote the personal autonomy and social and professional insertion of young people who have gone through the Child Protection System.

In **2022**, **personal autonomy apartments** have been financed, where their basic accommodation and maintenance needs are covered and they have the support of the team of counselors to promote their job placement, and the **Day Centers**, where they receive advice, training and guidance to their socio-laboral integration.

Among the autonomy apartments, **exclusive apartments for ex-tutored women** have also been financed, which, along with accommodation, maintenance and socio-labor guidance, also provide guidance and training to prevent possible situations of gender violence and recruitment by trafficking networks.

In 2022, **2,927** young people
from the Minor Protection System have been assisted



d. Financial Aid Program for families with children to satisfy basic needs

They are **complementary benefits of Community Social Services** of a monetary, labor or in-kind nature and are granted to families with dependent minors who lack sufficient economic resources to meet their basic needs.

They are aimed at the **prevention, reduction or suppression of factors that generate situations of difficulty or social risk** for children and adolescents, in order to promote their permanence and integration in the family and social environment, avoiding situations of lack of protection that could occur if the same circumstances continue.

31E

Child
Care



In 2022 **17,250 families and 32,300 minors** received this aids

e. Evaluation, Diagnosis and Treatment Program for child victims of sexual violence

31E

Child
Care

During the year
2022, the Program
has served
1,674 minors:
1,369 girls and
305 boys

It offers a comprehensive intervention, articulated through two types of interconnected actions: on the one hand, the **evaluation and diagnosis** of minors who are potential victims of sexual violence; on the other hand, **specialized psychological treatment and legal advice** through the corresponding specialized teams



The Program has received recognition from independent institutions:

The Save The Children report "*Eyes that do not want to see*", published in 2017, considered it an **example of good practice** in the evaluation and treatment of minor victims of sexual violence.

In 2019, the victimology experts from the University of Barcelona granted the recognition of "**Excellence**" in the application of the quality standards of the Children's Houses or *Barnahus model*, which coordinates in the same space all the services involved in a case of child sexual abuse: police, child protection service, justice and health. This speeds up the judicial process and reduces the secondary victimization that child victims of abuse usually suffer.

31G PROGRAM



128.2 MM€
executed in 2022



82.2 MM€
allocated in 2022

4) Community Action and Social Insertion

It provides funds to **promote social cohesion and solidarity**, guarantee coverage of the basic need for social integration and **prevent and address situations of vulnerability** of individuals, families and groups in situations of social exclusion or at risk of being so, and promote their social inclusion.

The **target population** of the program is the population in a vulnerable situation, at risk or in a situation of social exclusion, poverty, migrants, Roma people, users of community social services or of care devices for homeless people.

- ✓ **Minimum Income for Social Insertion**
- ✓ **Community Social Services**
- ✓ **Subsidy for local projects related to the Roma people, food guarantee, care for homeless people and migrants**

The legal basis of the 31G Program is **Law 9/2016 of Social Services of Andalusia**, which guarantees universal access to the Public System of Social Services, and which reinforces Community Social Services, managed by municipal authorities, which are the first level of care for this system.

Minimum Income for Social Insertion



- ✓ It is regulated by Decree-Law 3/2017
- ✓ It is aimed at the eradication of marginalization and inequality and the fight against social exclusion.
- ✓ Establishes a monthly financial benefit and an itinerary through a Socio-Labor Inclusion Plan.

Monthly financial benefit

The subsidy is equivalent to 78% of the Multiple Effects Public Income Indicator (IPREM), increased by 10% for each member of the family unit (up to a maximum of 145% of the IPREM in family units with 3 or more minors, single parents or with people with disabilities).

Socio-Labor Inclusion Plan

It is designed jointly by the community social services where the beneficiary family unit resides and the Andalusian Employment Service, with the participation of the beneficiaries. It includes specific actions of a labor nature and other measures in matters of education, health and housing.

31G

**Community
Action and
Social
Insertion**

**17,320
beneficiary
families in
2022**

SECTION 4.2



**51B
PROGRAM**

Mobility and transport infrastructure

Andalusia is the only Spanish region that has metropolitan railway systems in 4 urban agglomerations: Seville, Málaga, Granada and the Bay of Cádiz, which together represent 43% of the Andalusian population.

These metropolitan railway systems help mitigate climate change, because, by reducing travel by private motorized vehicles, they reduce CO2 emissions and avoid the emission of atmospheric pollutants, also helping to create low-emission urban areas.

They are also transport systems accessible to all citizens, which usually represent an important impulse for urban renewal.



The metropolitan railway lines in service have had constant growth in demand, with the exception of the standstill due to the COVID 19 health crisis. In 2022, passenger numbers have fully recovered compared to the pre-COVID situation, exceeding 33.9 million of travelers, 95.5% of the users in 2019. In 2023, the aggregate sum of travelers will mark a record of 48 million users according to forecasts.

In qualitative terms, the annual user satisfaction surveys reach general ratings higher than 8, on a scale of 0 to 10.

**194.5 MM€
executed in 2022**



**97.3 MM€
allocated in 2022**

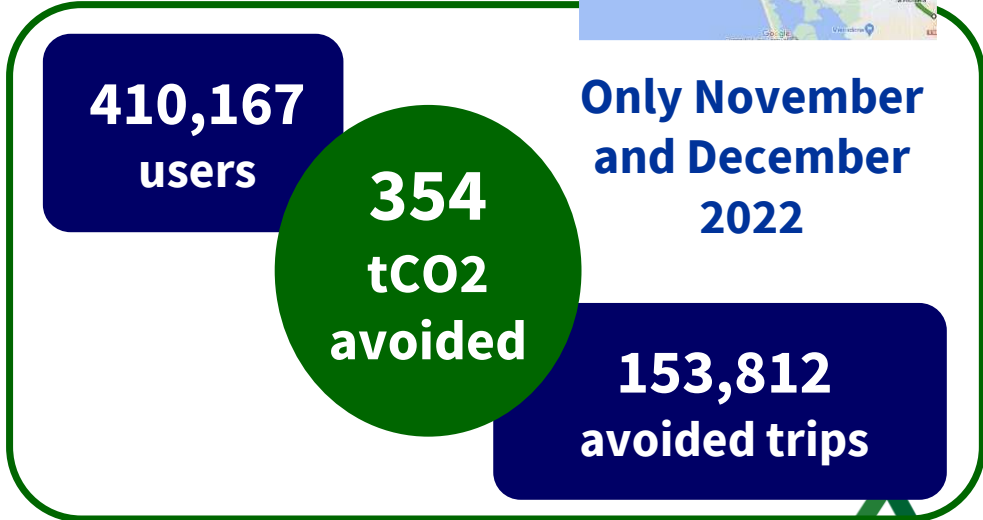
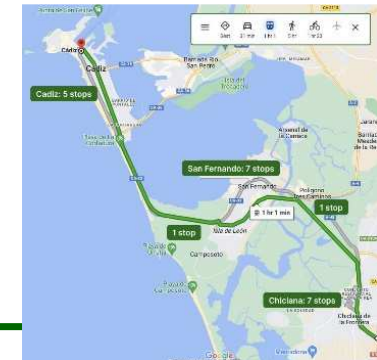
51B Mobility and transport infrastructure

a. Metropolitan tram of the Bay of Cadiz (*Trambahía*)

At the end of October 2022, the Bay of Cádiz Metropolitan Tram (commercially called *Trambahía*) was put into service, reaching **410,167 passengers in just two months**. By 2023, a demand of 2 million annual travelers is expected.

The *Trambahía* connects **Chiclana, San Fernando and Cádiz**, using a *train-tram* system, which allows it to adapt to urban and interurban space. It has a line with 21 stops along a 24 km route, from Cádiz (Cadiz Central Station) to Chiclana (Pelagatos).

The route passes through different fare zones and the travel time between the two ends is just **over half an hour**.



51B
Mobility and transport infrastructure

b. Granada Metro

During **2022**, new Sustainable **projects have been launched in the Granada Metro to improve its energy efficiency**, with projects that involve the installation of solar thermal panels for self-consumption, the installation of electric vehicle charging points, plantations in the workshop areas and garages and on the layout, replacement of lighting with more efficient systems, or substations with braking energy recovery systems. Air pollution sensors have also been installed.



2,859,159
avoided trips

5,643
tCO2
avoided

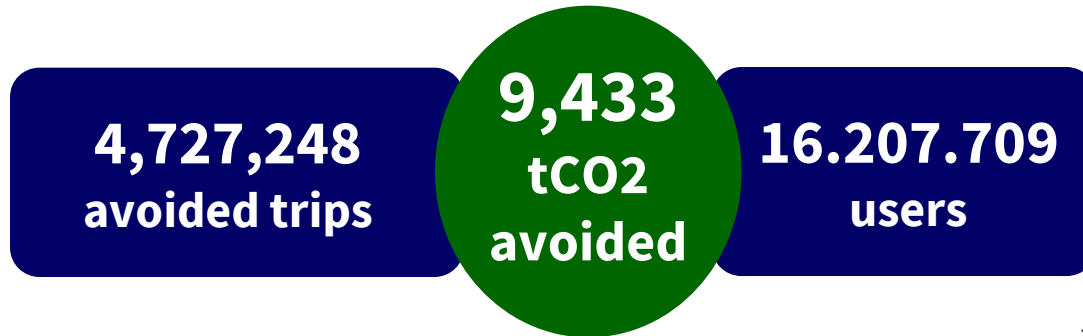
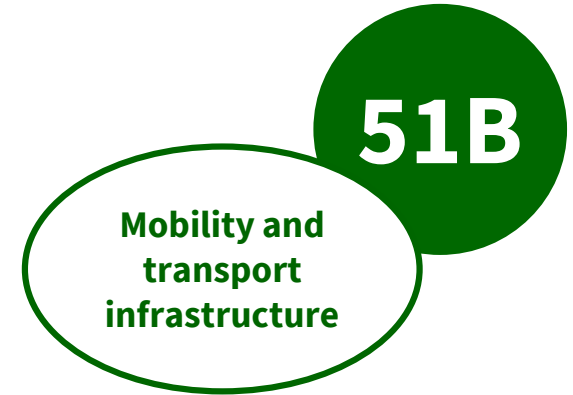
11,067,712
users

c. Seville Metro

In 2022, Metro de Sevilla began the installation of almost **2,000 photovoltaic panels** on the roofs of different stations, as well as in its central office building next to Workshops and Garages, to enhance energy self-consumption, which will generate 15% of the energy they consume.

Some facts about sustainability:

- Since 2014, **the use of electrical energy has been optimized**, reducing consumption by 37%, by to the renewal of equipment with others with more modern and efficient technology.
- Since 2015, Metro de Sevilla contracts 100% of its electricity supply to energy suppliers from **renewable sources**.
- Since 2020, Metro de Sevilla has been declared **Carbon Neutral** thanks to its participation in the carbon offset program promoted by the United Nations, in the Clean Climate Development Framework.



d. Malaga Metro

51B

Mobility and
transport
infrastructure

During 2022, **the construction of line 1 of the Malaga Metro has been completed** in the section that allows access to the central area and the port of Malaga. Its implementation will lead to a notable increase in passenger demand, which is estimated to grow from 6.7 million annually to 14.5 million in successive years.

6,700,279
users

A 560 kWp **solar photovoltaic plant has also been built**, which generates 885 MWh/year, and the change to **LED technology** has been completed, continuing with the optimization of ventilation operation. Electricity consumption in 2022 has been 3.7% lower than in 2021.

2,010
tCO2
avoided

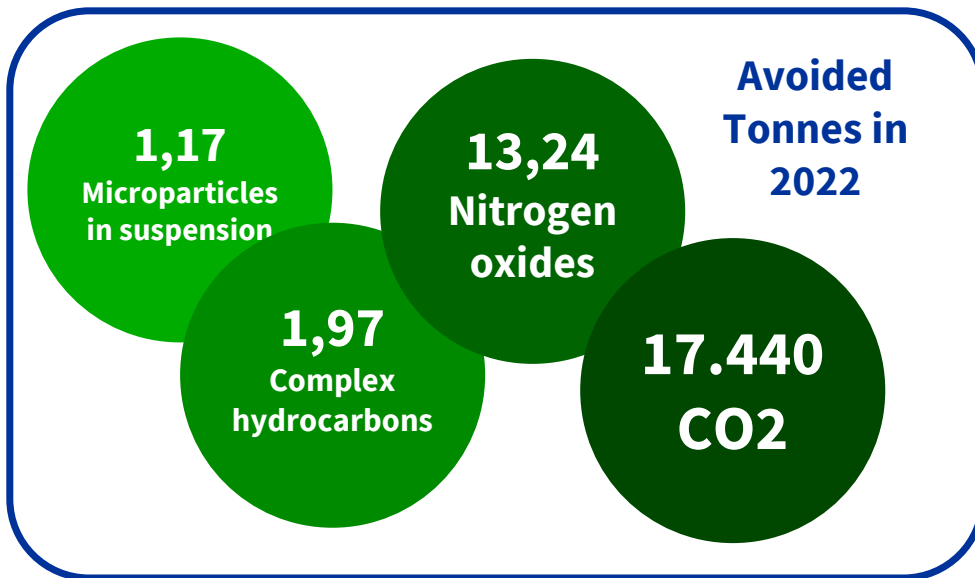
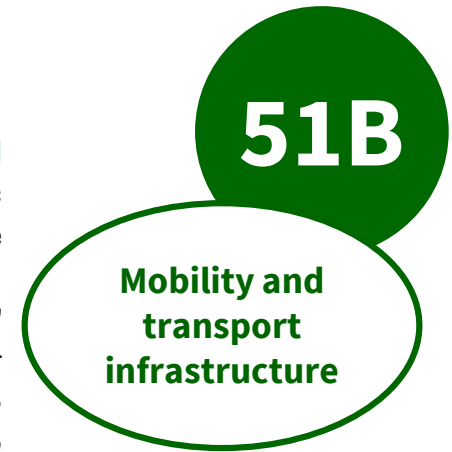
Metro de Málaga also participates in the **Climate Neutral Now** climate action initiative promoted by the Secretariat of the United Nations Framework Convention on Climate Change, offsetting its CO2 emissions annually

1,675,040
Avoided trips



e. Total Avoided Emissions

The applied methodology follows the "**Guide for the Calculation of the Carbon Footprint and preparation of an improvement plan**" of the Ministry for the Ecological Transition and the Demographic Challenge. The ratios and factors to apply the model are extracted from different sources such as the "*Historical guide to consumption and CO2 emissions*" (Institute for Energy Diversification and Saving), "*Emission factors, carbon footprint record, compensation and carbon dioxide absorption projects*" (Spanish Office for Climate Change), "*National Inventories of Emissions into the Atmosphere*" (Ministry for the Ecological Transition and the Demographic Challenge), "*COPERT IV Computer Program to Calculate Emissions from Road Transport*" (European Environment Agency), "*EMEP/EEA air pollutant emission inventory guidebook 2019*".



Variables used to calculate the tons of CO2 that are no longer emitted:

- Annual users (trips) in the metro infrastructure.
- Modes of transport that are no longer used. The data comes from user surveys and varies depending on the metropolitan area: on average, 30-35% would use a private vehicle and 40-50% would use buses.
- Average CO2 emissions ratios of the vehicle fleet (cars, buses...)
- Average vehicle occupancy in the metropolitan area (buses and passenger cars).
- Average kilometers traveled during trips.

SECTION 5

Impact and results indicators



Junta de Andalucía

SECTION 5. Impact and results indicators

Impact and results indicators

Budget Program	Actions	Indicador	Total Achievement			Allocated to the bond		
			Male	Female	Total	Male	Female	Total
Family support (31P)	Free Textbooks Program	Benefited students	478.963	445.595	924.558	307.113	285.717	592.830
	Scholarships for Post-compulsory Studies	Scholarship students	5.575	7.663	13.238	3.575	4.914	8.488
	Schools canteen service	Students assisted			171.207			109.779
		Centers with canteens / Total centers			50%			50%
	After-school Activities Service	Students assisted			114.408			73.359
		Centers with activities / Total centers			34%			34%
	Morning Classroom Service	Students assisted			107.967			69.229
		Centers with morning classrooms / Total centers			54%			54%
Early Child Education (42I)	Promoting pre-school enrollment aids	Scholarship students			84.990			0
		School Children			97.469			0
		Scholarship students / School Children			87,2%			87,2%
		School children / Children < 3 years Total			43,4%			43,4%

SECTION 5. Impact and results indicators

Impact and results indicators

Budget Program	Actions	Indicador	Total Achievement			Allocated to the bond		
			Male	Female	Total	Male	Female	Total
Child Care (31E)	Minor Protection System	Supervised minors	2.737	2.193	4.930	1.755	1.406	3.161
		Supervised Unaccompanied Foreign Minors	2.018	287	2.305	1.294	184	1.478
	Residential Care	Assisted children	3.481	1.505	4.986	2.232	965	3.197
	Family Foster Care	Assisted children	1.708	1.682	3.390	1.095	1.079	2.174
		Assisted children in families with financial aids	1.150	1.153	2.303	737	739	1.477
	Social and Labor Integration Program (<i>Of age</i> Program)	Assisted young people	2.240	687	2.927	1.436	441	1.877
	Financial Aid Program for families with children to satisfy basic needs	Families receiving financial aids			17.250			11.061
		Benefited minors	16.000	15.700	17.250	10.259	10.067	11.061
Evaluation, Diagnosis and Treatment Program for child victims of sexual violence	Assisted minors	305	1.369	17.250	196	878	11.061	
Community Action and Social Insertion (31G)	Minimum Income for Social Insertion	Benefited families			17.320			0
		Women victims of gender violence who receive financial aid.			529			0

Impact and results indicators

Budget Program	Action	Indicador	Total achievement	Allocated to the Bond
Mobility, infrastructure and transport (51B)	Metropolitan tram of the Bay of Cadiz	Users	410.167	205.084
		Avoided Trips	153.812	76.906
		CO2 tonnes avoided	354	177
	Granada Metro	Yearly users	11.067.712	5.533.856
		Avoided Trips	2.859.159	1.429.580
		CO2 tonnes avoided	5.643	2.822
	Seville Metro	Yearly users	16.207.709	8.103.855
		Avoided Trips	4.727.248	2.363.624
		CO2 tonnes avoided	9.433	4.717
	Malaga Metro	Yearly users	6.700.279	3.350.140
		Avoided Trips	1.675.040	837.520
		CO2 tonnes avoided	2.010	1.005
	Metropolitan transportation systems (Total)	Nitrogen Oxides tonnes avoided	13,24	6,62
Complex Hydrocarbons tonnes avoided		1,97	0,99	
Micropartículas in suspension tonnes avoided		1,17	0,59	