



Facens 2022 Sustainability Report






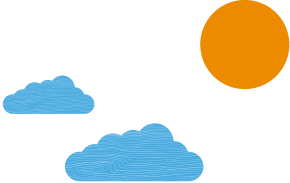
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the online version:





Facens 2022 Sustainability Report

Table of Contents



04	Manifest
06	Sustainability Report
07	Facens
08	Smart Campus® Facens
14	Pillars for Sustainability
16	Environmental Pillar
22	Economic Pillar
28	Social Pillar
34	Education Pillar
38	Awards & Recognition

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Manifest



The speed with which we have advanced in recent decades in technological and scientific issues brings pros and cons, but it is clear that the result of what we are currently experiencing is a mismatch between greed and responsibility towards oneself, one's peers, the next generations and all living beings on this planet.

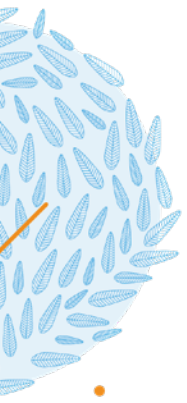
The enormous deficiency of many human beings is to think that they are not part of nature, that they are superior, and that the planet is here to serve them.

We all look for happiness and the best for our families, but what is the point of these desires if the planet where we live is not healthy? How can you be happy if everything around you is falling apart, with so many tragedies and social inequalities?

Our search as humanity is for balance and regeneration as people, professionals, and citizens of the world. We all have the power to be agents of change, and only together will we be able to mitigate projections of the systemic challenges we are facing.

It is the responsibility of any educational institution to promote the development of more conscious, up-to-date, realistic human beings with a critical sense of the impacts of their actions, and this is the legacy that Facens intends to leave.

Thais Barros Beldi
Maintainer







Sustainability Report

With the Facens University Center Sustainability Report, we demonstrate the institution's commitment to being aligned with the UN 2030 Agenda. In it, you will be able to learn about our pillars for sustainability and main approaches to the topic, follow-up our progress and, through the Smart Campus® concept, understand how sustainability is implemented in our daily lives. We invite you to be part of this movement, shall we?





Facens


Founded in 1976, Facens began as a technical college and became the first higher education institution in the area of Engineering in the city of Sorocaba. In these 47 years of existence, we have always been in full development. Today, we have 18 undergraduate courses in the areas of Engineering, Architecture, Technology, and Health, as well as Postgraduate courses, MBAs and Specializations.

Our level of education is recognized by the Ministry of Education (MEC), we are a top grade (5), therefore, according to its indicators, we are one of the best higher education institutions in Brazil.

Moreover, we are a Smart Campus®, an innovative smart campus concept patented by Facens. In 2022, we were recognized for the second time in a row, by the UI Greenmetric International Ranking, as the most sustainable private higher education institution in Brazil. We support the movements Conscious Capitalism Brazil and Circular Economy and also became signatories of the UN Global Compact, which highlights the importance of sustainability for the organization.

All this meets our main goal, which is to develop more conscious and sustainable citizens and professionals who are prepared to deal with the social, economic, and environmental challenges of our planet.





The Smart Campus® Facens concept began in 2014 and differs in that we consider our campus a great living laboratory for studies, implementations, and generators of solutions for Human, Smart, and Sustainable Cities. We consider our entire ecosystem and act in a multidisciplinary manner and integrate all the Innovation Centers and departments of the Facens University Center. Due to our pioneering spirit, we hold the Smart Campus® trademark registration, which has become a terminology used and replicated in universities and national and international complexes.

**“Where cross my talents and passions with
the world’s needs, there is my way.”**

– Aristóteles





- 

EDUCATION
AND CULTURE
- 

ENVIRONMENT
- 

ICT
- 

ENERGY
- 

MOBILITY AND
SECURITY
- 

URBANIZATION
- 

INDUSTRY AND
BUSINESS
- 

HEALTH AND
QUALITY OF LIFE
- 

LEADERSHIP

Axes of action

The projects developed within the Smart Campus® Facens are divided into nine axes of action, directly connected to the Pillars for Sustainability of the Facens campus, the 17 UN Sustainable Development Goals, and the ESG (Environmental, Social, and Governance) concepts.



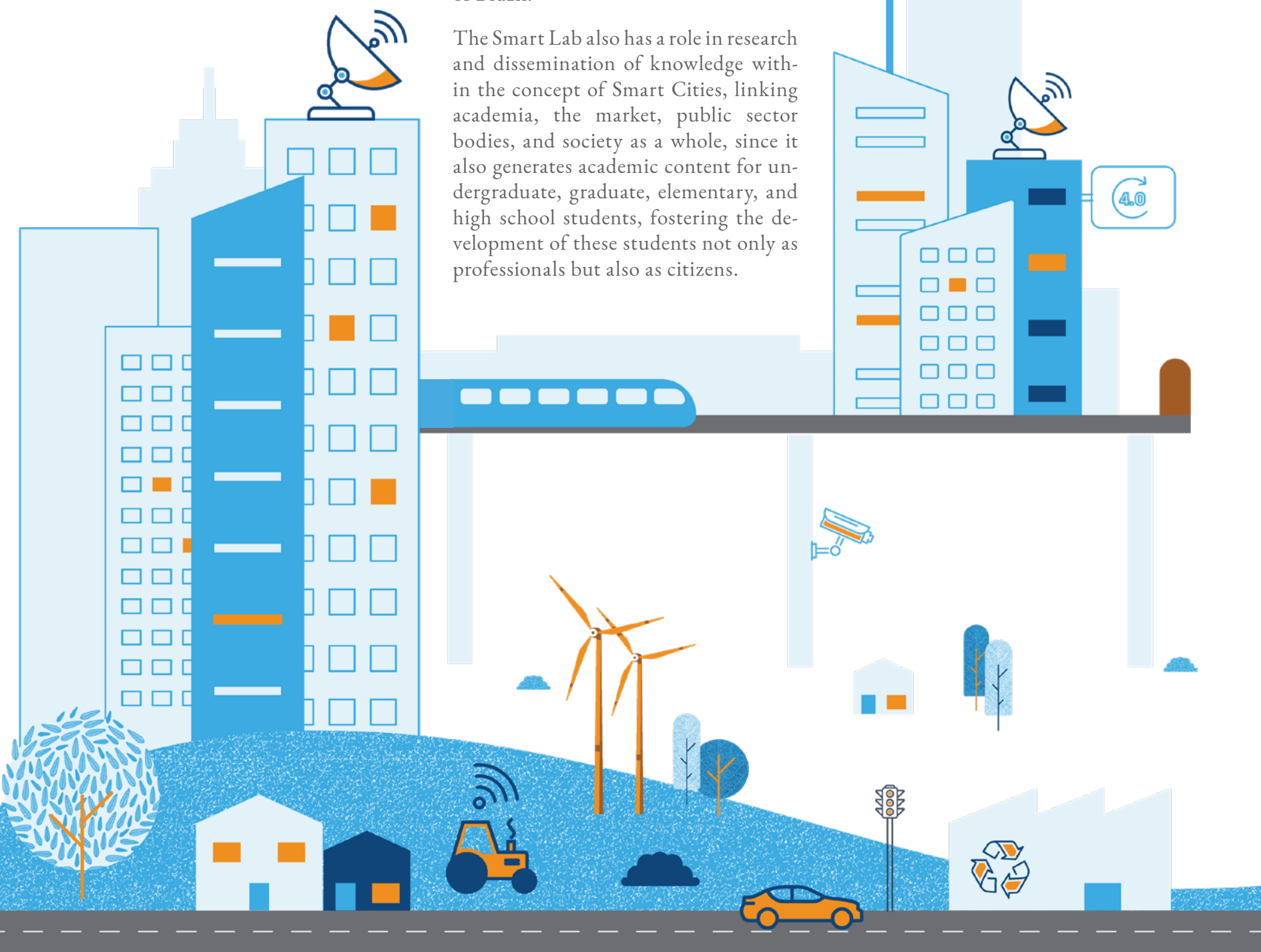
The Smart Lab is the Innovation Center responsible for the entire process of research, development, testing, implementation, analysis, and governance of the solutions implemented in the Facens Smart Campus.

Since the creation of the Smart Lab, more than 350 projects and different types of IoT (Internet of Things) devices have been implemented. All these achievements allowed the recognition of the campus as a Reference Center for IoT, Technologies 4.0 of the Ministry of Science, Technology, and Innovations of Brazil.

The Smart Lab also has a role in research and dissemination of knowledge within the concept of Smart Cities, linking academia, the market, public sector bodies, and society as a whole, since it also generates academic content for undergraduate, graduate, elementary, and high school students, fostering the development of these students not only as professionals but also as citizens.



**Centro de Referência
IoT e Tecnologias 4.0**
Facens | MCTI



To manage this tool, there is an internal team specialized in the integration of the different communication protocols of the devices, among which LoRa, Bluetooth, ZigBee, Wireless, 5G, among others, are always up to date with the technologies of the market.

To assist in Smart Campus® Facens Governance, the Smart Lab has a large DashBoard with information on projects implemented on campus, simulating a Control and Operations Center – CCO.



DashBoard also serves as a tool for students, professors, and researchers in project development, as it is a platform for data collection, storage, and transformation.

2022 Highlights:

Projects

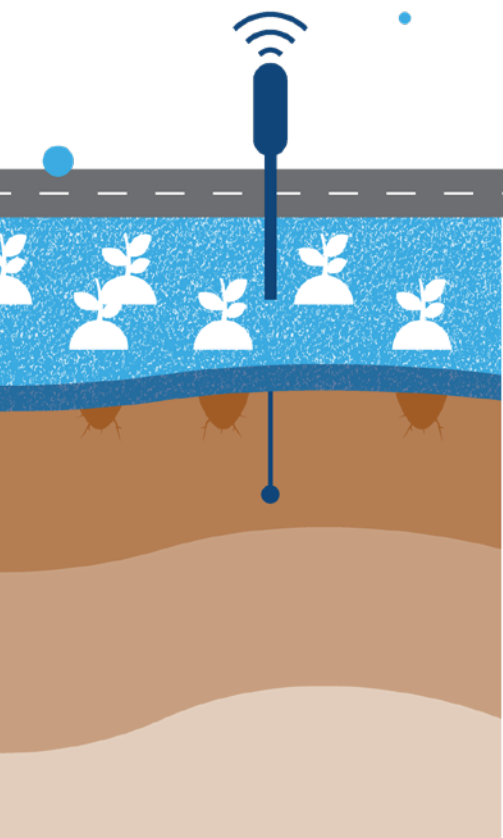
Educational electronic spine

Monitoring the speed and number of vehicles circulating within the Facens campus. The operation of the technology is carried out using an infrared doppler.



Telemanaged water distribution via IoT

In 2022, the implementation of the water consumption sectorization of the Facens campus was continued, through the installation of remote meters (Telemanagement with IoT), enabling water consumption sectorization; identification of environments with higher consumption; identification of possible hydraulic problems and water leaks; and real-time monitoring of reservoir levels and pressure.



Monitoring of soil parameters

Monitoring of environmental variables (soil humidity and temperature in different layers, solar radiation, temperature, air humidity, and atmospheric pressure), via IoT devices, with generation of consolidated data in DashBoard to evaluate the influence of the crop (chard and spinach) during its development cycle on the quality of the planting soil. The project was carried out by the agronomic engineering course on a construction site within the Facens campus.



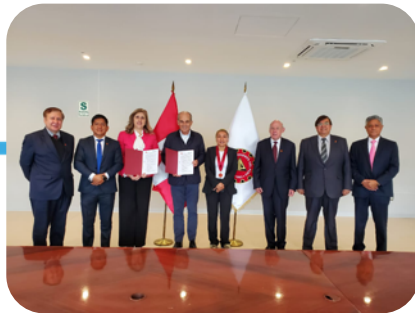
Achievements



In 2022, 42 lectures/master classes were given for national and international audiences, referring to the concepts of Human, Smart, and Sustainable Cities.



In 2022, the Smart Lab was visited by more than 25 schools to demonstrate in practice the concepts of CHIS (Human, Smart, and Sustainable Cities).



Facens Cooperation via Smart Campus® and CIP - Colégio de Ingenieros del Perú to teach courses and immersions in the concepts of Smart Cities.



Smart Campus® Facens was among the Top 3 of the Smart City Expo Latam Award, competing with Mexico City and Manizales, Colombia.



Brazil Digital Transformation Award and National Highlight 5G Smart Campus Facens.

SmartLab was invited to compose the Working Group of the city of Votorantim in the project of Acceleration of digital transformation of municipalities carried out by the GOV. BR Network, with support from the IDB (Inter-American Development Bank).



SmartLab gave a lecture at the 13th International Smart City Expo, held in Dubai.



SmartLab gave a lecture at the Smart City Expo World Congress 2022 in Barcelona.



Smart Cities Workshops held for MapleBear, in Jundiaí, and Uirapuru, in Sorocaba.

Smart Cities Itinerary held for high school students at Colégio SER/Sorocaba.



Launch of the digital book of Case Studies for the development of PDT-CIs (Technology Master Plan for Smart Cities) in the cities of Iperó, Itapetininga, Monteiro Lobato, Porto Feliz, Pouso Alegre, Sorocaba, Ubatuba, and Votorantim.

Access the book:



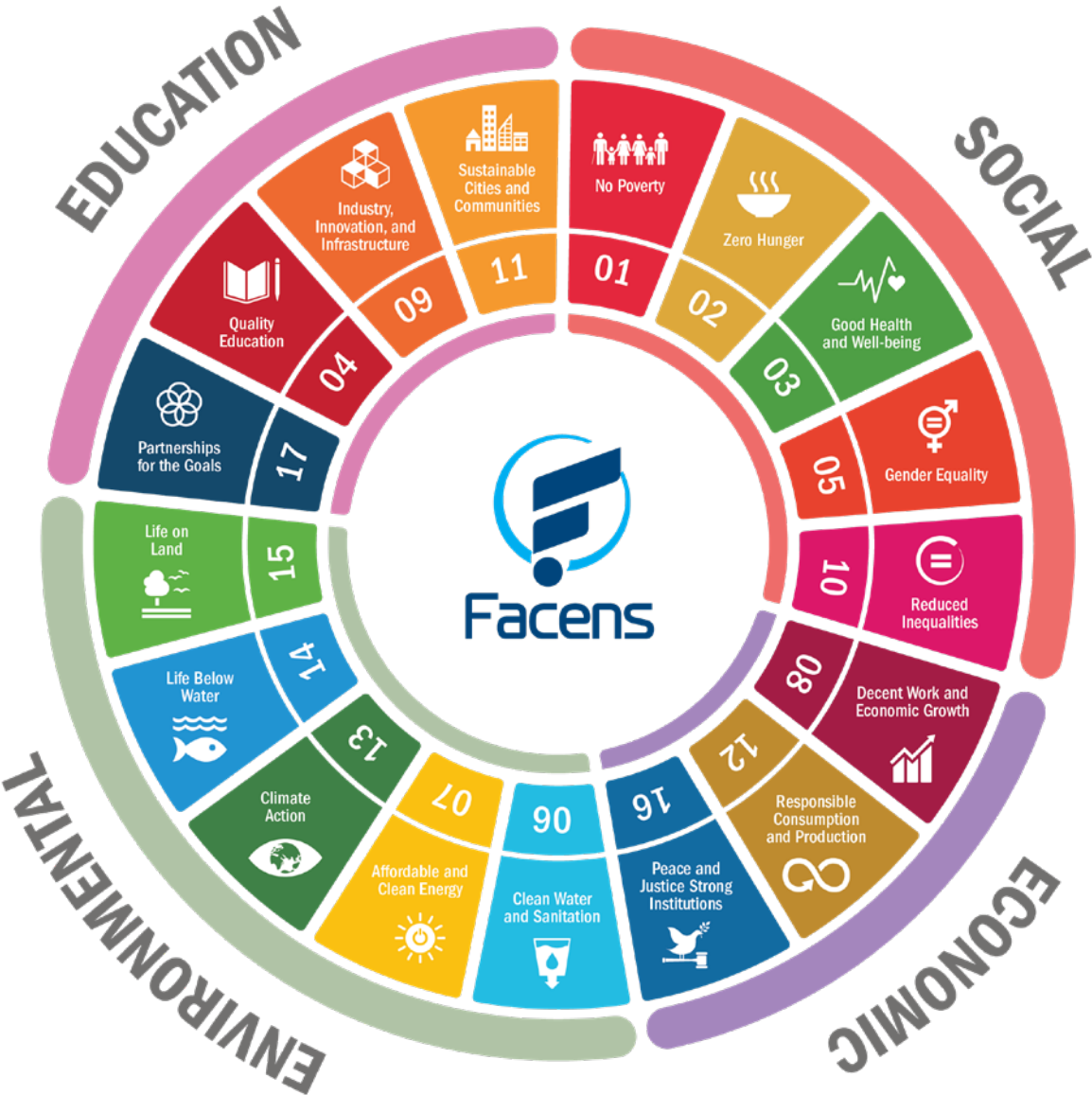


Pillars for Sustainability

At the Facens University Center, our greatest mission is to guide our students, professors, and other collaborators to develop a systemic vision and understand practically the importance of sustainability for the transformation of our present and the construction of our future.

Therefore, we promote an education aligned with the social, environmental, and economic needs of our society and the planet.

Thus, our projects are divided into four pillars: Social, Economic, Environmental, and Education for a sustainable future. Each pillar is subdivided into priority themes, which are directly connected to the Sustainable Development Goals (SDGs) of the United Nations (UN) 2030 Agenda.





Get to know our axes of action

ENVIRONMENTAL



ENERGY AND CLIMATE CHANGE



NATURE, ECOSYSTEMS AND BIODIVERSITY



WASTE MANAGEMENT



SUSTAINABLE USE OF WATER

SOCIAL



SCHOLARSHIP POLICIES AND FACILITATED ACCESS TO EDUCATION



GENDER AND RACE EQUITY, AND DIVERSITY



HEALTH AND WELLNESS



SOCIAL ACTIONS AND PARTNERSHIPS

EDUCATION



TEACHING QUALITY



SUSTAINABILITY RESEARCH



EXTENSION TO SUSTAINABILITY



ECONOMIC



LEADERSHIP



INTEGRATION WITH THE MARKET



STUDENT ADMISSION AND RETENTION



EMPLOYABILITY AND CAREER OPPORTUNITIES



SDGs:

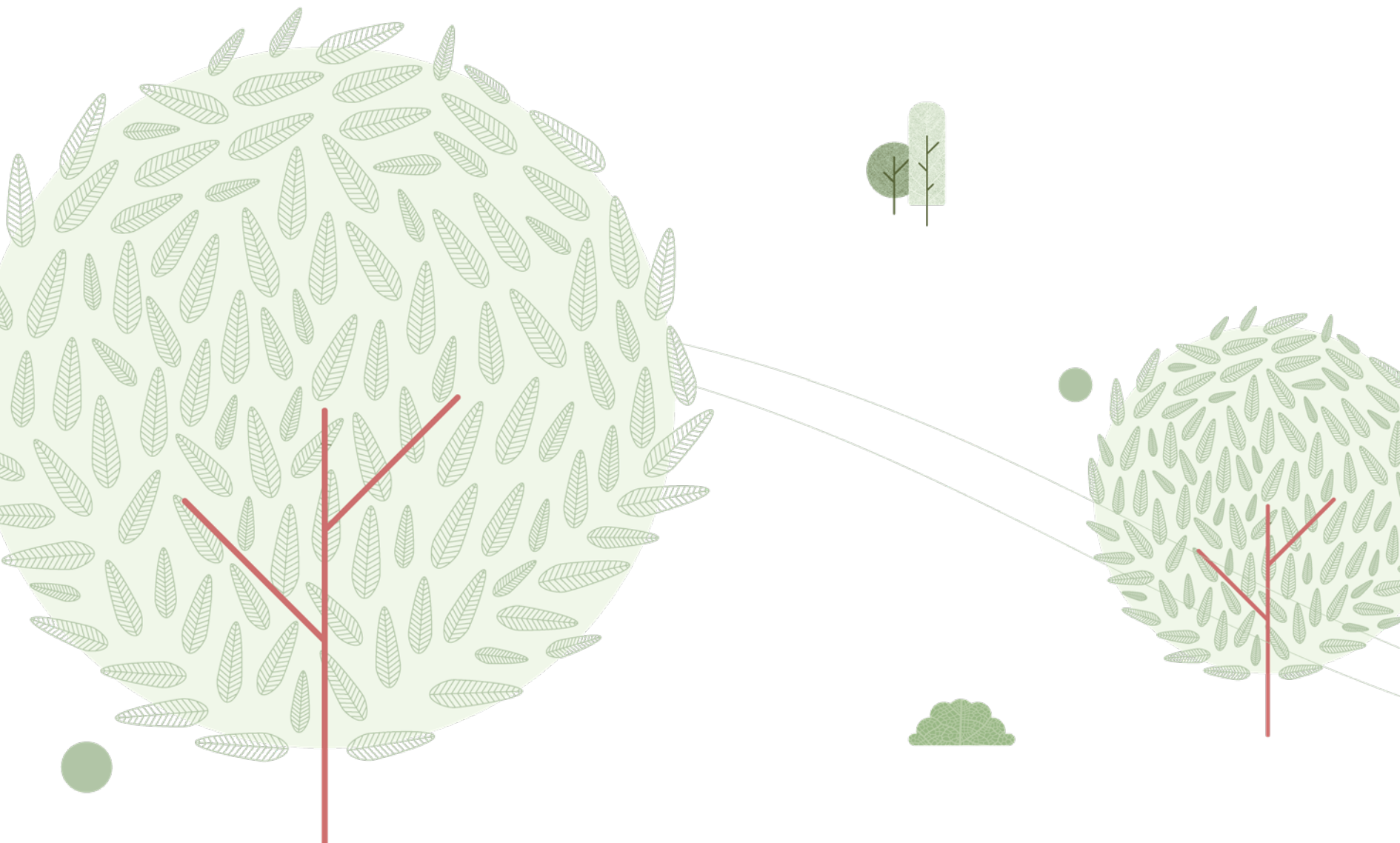


Environmental Pillar

As a smart and sustainable campus, the Facens University Center understands that caring for the environment depends on the awareness of everyone who lives in this space. Therefore, we seek to educate our community and develop solutions that minimize and regenerate environmental degradation, enhancing human development and the well-being of our students and employees.

The Environmental Pillar consists of four areas of activity: Energy and climate change, Waste management, Sustainable use of water, and Nature, ecosystems and biodiversity. We act in a systemic way in each axis, with the adoption of sustainable practices on our campus, intending to build a more sustainable future for all. These themes mainly encompass SDGs 6, 7, 13, 14 and 15.

“The greatest threat to our planet is the belief that someone else will save it.”
– Robert Swan





AXES OF ACTION:

ENERGY AND CLIMATE CHANGE

NATURE, ECOSYSTEMS AND BIODIVERSITY

WASTE MANAGEMENT

SUSTAINABLE USE WATER

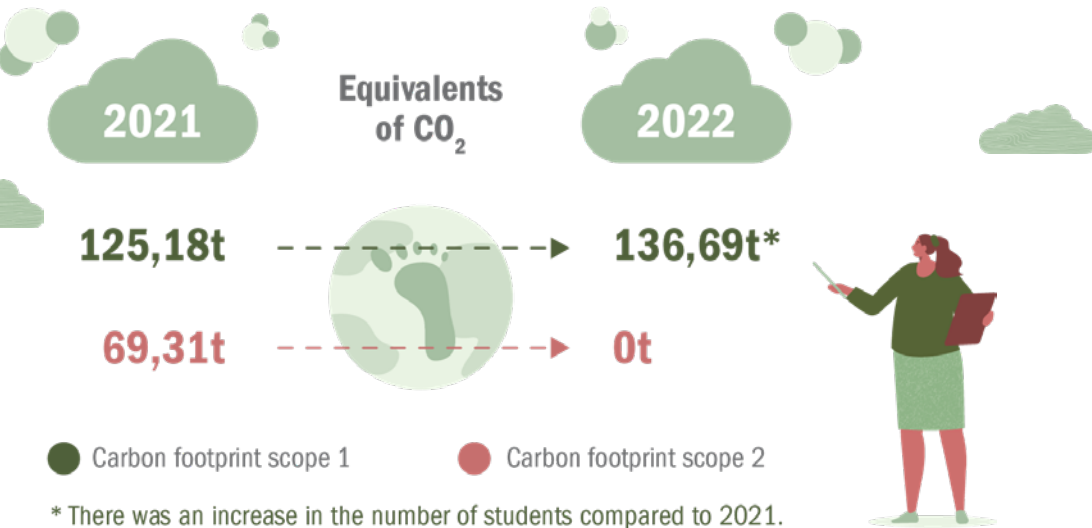
“We can't predict the future, but we can create one. Bold and immediate actions to reduce greenhouse gas emissions are essential to ensure a sustainable future for all.”
- Kofi Annan

Carbon footprint

Being aware of this environmental problem, we are continuously monitoring our emissions and seeking solutions to minimize our carbon footprint, which is the amount of greenhouse gases (GHG) we emit.

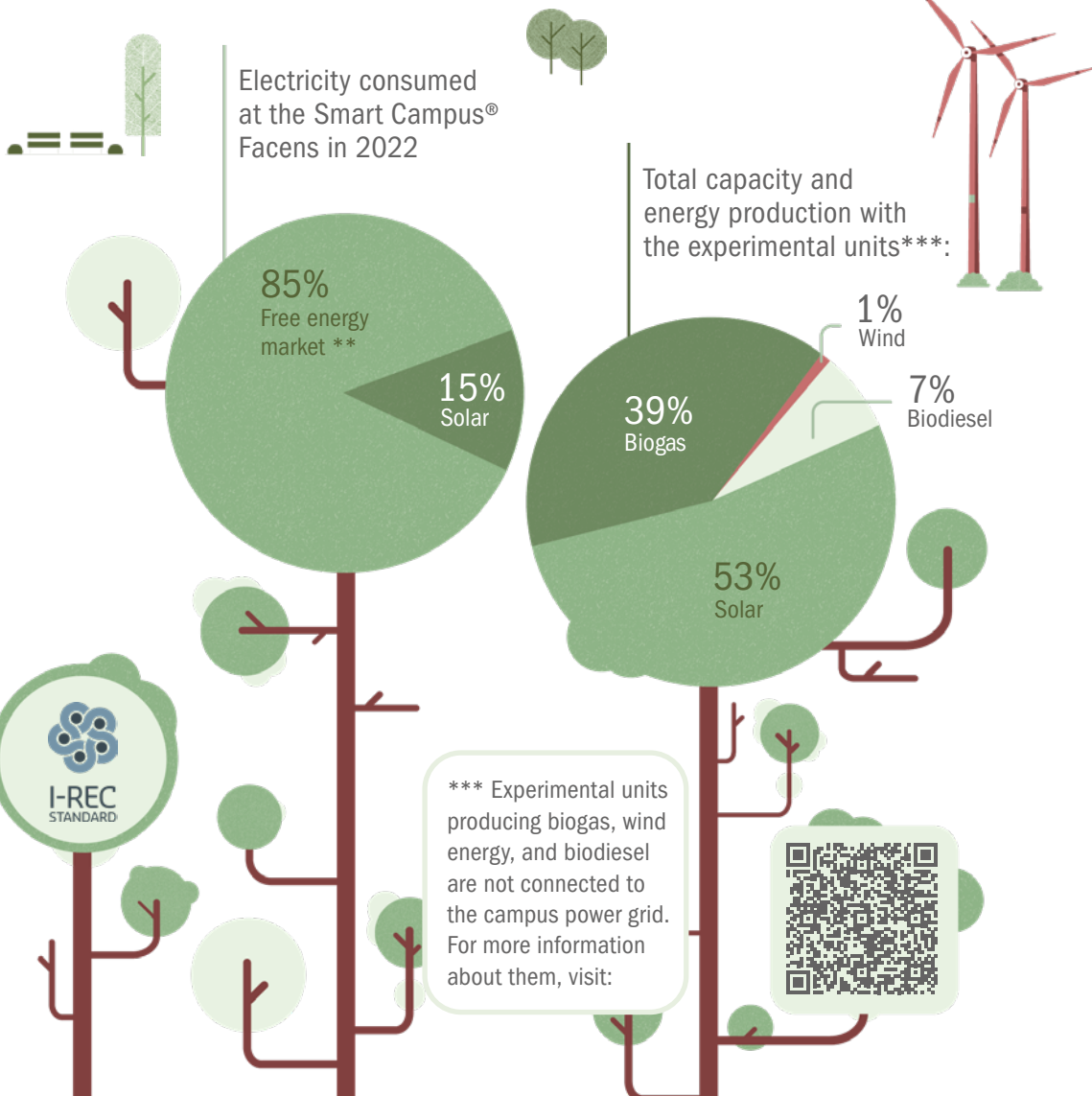
Carbon inventory is quantified in two scopes:

- Scope 1:** mobile combustion for transport in general – operational fleet and circulation of vehicles on campus in 2022 (collaborators, students, and visitors) was 136.69t CO2 equivalents;
- Scope 2:** greenhouse gas (GHG) emissions from the acquisition of electricity consumed in 2022 was 0t CO2 equivalents.



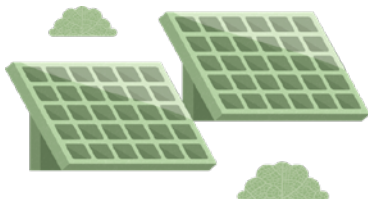
Energy

The energy of the Facens University Center is produced by 100% renewable sources, counting on the generation of energy from the photovoltaic system and the purchase of 100% renewable energy in the free electricity market.



**In 2022, 827 MWh of energy were purchased from Facens and, to prove that 100% of our energy comes from renewable sources, we purchased I-REC. The International REC Standard (I-REC) is a global, unified methodology system that certifies the source of energy as renewable.

To obtain the I-REC, the amount of energy consumed is calculated. Each REC represents a renewable energy generation unit (1 REC = 1MWh). Therefore, the Facens University Center acquired 827 RECs from CPFL in 2022.



Waste management

The problem of solid waste is a concern in all sectors, including the educational. Our challenges involve changes in institutional posture, reaching cultural paradigms, and the need for innovation and commitment to implementing the 5Rs (Rethink, Refuse, Recycle, Reduce, and Reuse). At the Facens University Center, we search to minimize waste generation and implement sustainable management practices, such as recycling and composting. We continuously seek to improve our processes, encouraging the awareness and participation of the university community in sustainable waste management.

“Waste is the message that we need to change our habits.”
- Annie Leonard



Lamp
They return to the manufacturer to be reused.



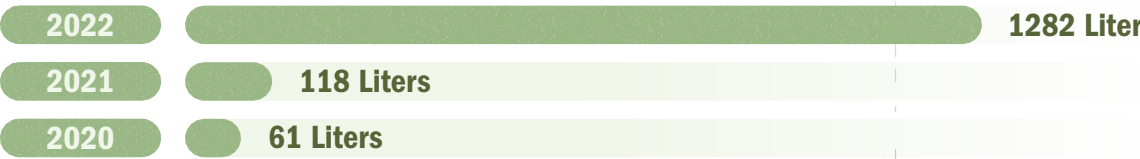
Electronic waste and batteries
100% of the discarded electronic components are reused.



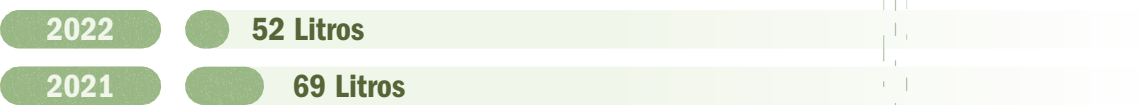
Cigarette butts
They are turned into paper.



Cooking oil
It is reused and transformed into soap.



Lubricant oil
It is refined again and reused.



Sustainable use of water and nature, ecosystems, and biodiversity

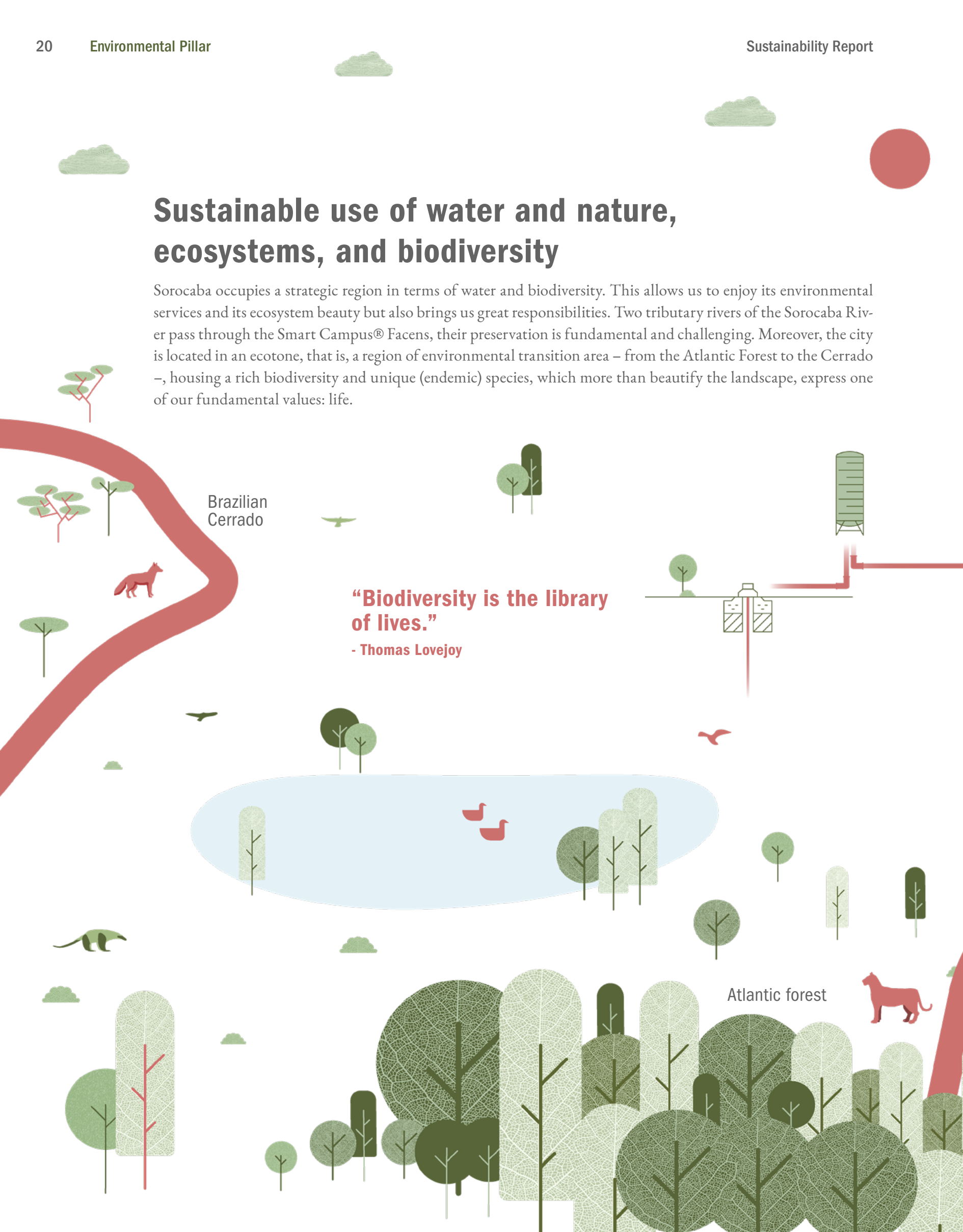
Sorocaba occupies a strategic region in terms of water and biodiversity. This allows us to enjoy its environmental services and its ecosystem beauty but also brings us great responsibilities. Two tributary rivers of the Sorocaba River pass through the Smart Campus® Facens, their preservation is fundamental and challenging. Moreover, the city is located in an ecotone, that is, a region of environmental transition area – from the Atlantic Forest to the Cerrado –, housing a rich biodiversity and unique (endemic) species, which more than beautify the landscape, express one of our fundamental values: life.

Brazilian
Cerrado

**“Biodiversity is the library
of lives.”**

- Thomas Lovejoy

Atlantic forest



Water Monitoring grants:

In 2022, we created the first **Smart Campus® Facens** alert system for organizing and viewing information from **IoT** devices and monitoring the volume of water extracted from the Facens campus water sources. Thus, we can continuously verify that water abstraction is by existing concession limits, strengthening our governance by creating consumption alert systems and preserving the water bodies that supply us.



Participation in Hydrographic Basins Committee:

The Facens University Center renewed its participation in the Hydrographic Basins Committee* of the Tietê Médio Sorocaba River for another biennium, working with other members of organized civil society in a participatory and collaborative manner in the discussion and development of policies and practices for the sustainable management of water resources.

*The River Basin Committees, entities of the National Water Resources Management System, constitute the **"Water Parliament,"** a space in which representatives of the community of a river basin discuss and deliberate about the management of water resources, sharing management responsibilities with the government.





SDGs:



Economic Pillar

The economic pillar is essential to help create a strong and stable economy that ensures financial, social, and environmental benefits for current and future generations. It focuses on the efficient use of resources, setting up leadership with sustainable practices in all areas of the organization, creating job opportunities and local development. Moreover, it must always be linked to two other pillars for sustainability – social and environmental – because, together, they are essential to achieving a more balanced future for the entire population.

The Facens University Center is a non-profit association, which means that all profits are reinvested in the institution itself, allowing for an agile and constant evolution.

Our Economic Pillar is divided into four axes: Leadership, Student Admission and Retention, Employability and career opportunities, and Integration with the market. These themes include, mainly, SDGs 8, 12, and 16.

“Sustainability is a long-term competitive advantage, and companies that don’t adopt sustainable practices will be left behind.”

- Mark Parker
(former CEO of Nike)





AXES OF ACTION:



LEADERSHIP



INTEGRATION WITH THE MARKET



STUDENT ADMISSION AND RETENTION



EMPLOYABILITY AND CAREER OPPORTUNITIES

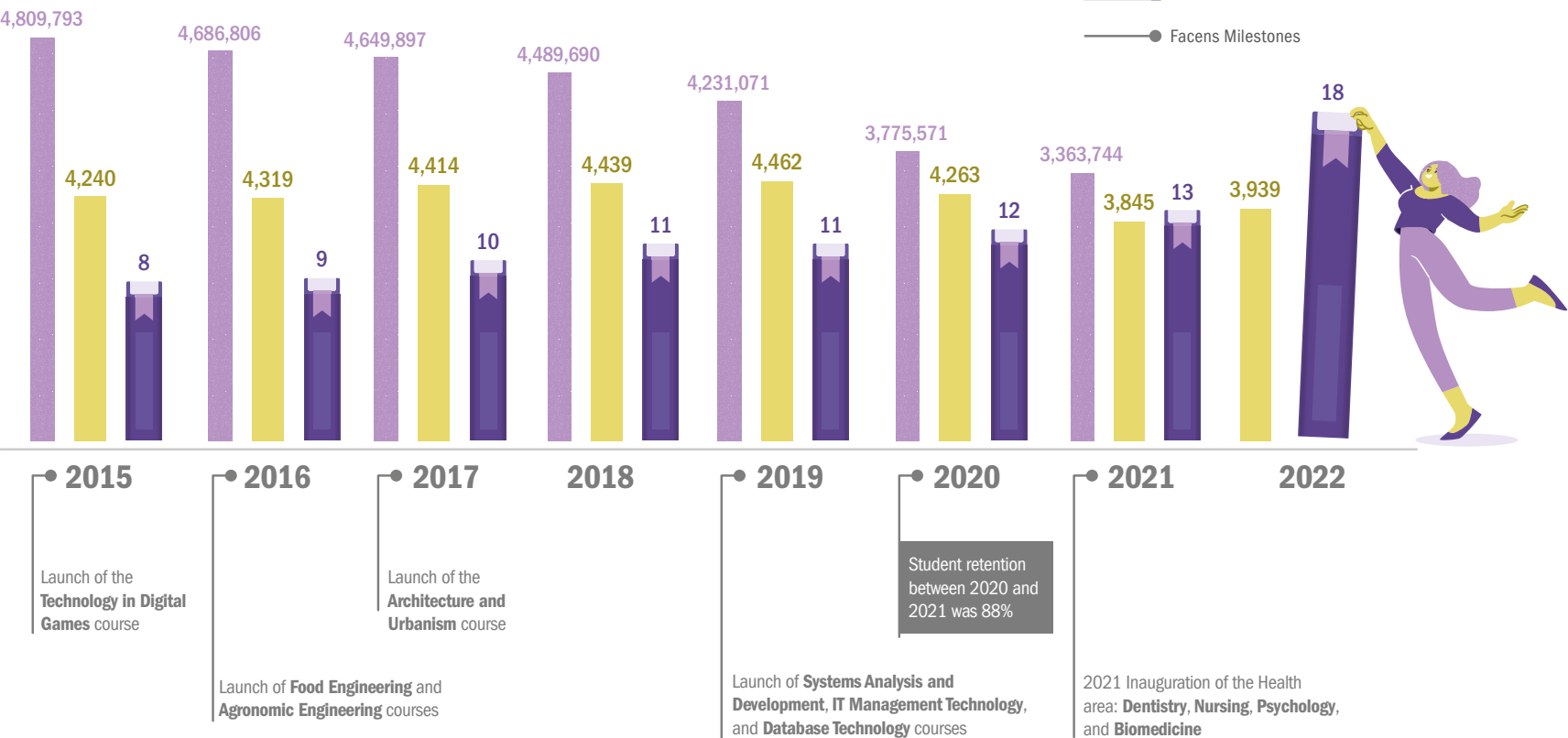
Evolution of the number of undergraduate students at Facens in recent years*

Evolution of the number of enrollments in the private network in the face-to-face modality**

Facens Undergraduate Students

Courses

Facens Milestones



Student retention rate was **88%** between 2020 and 2021

*Number of students related to the first semester
** MEC/Inep Data Census of Higher Education 2021

Leadership

+ 80 hours of sustainability committee meetings;

+ 20 people were part of the sustainability committee.



Students admission and retention

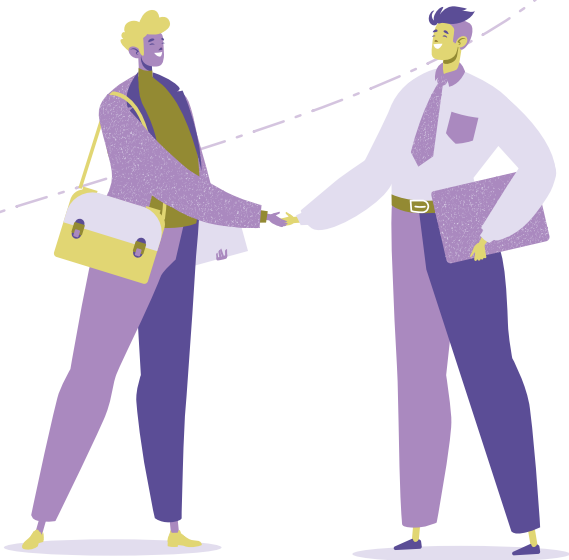
6,238 participation of students and egresses in activities on Employability and Careers in 2022;

28 events related to employability and career;

12,985 students and egresses registered on the job vacancy platform of the FACENS Careers Office;

2,304 companies registered on the Career Platform;

85% employability of our students in the last year of course in 2022.
In previous years, we had: 84% in 2021; 80% in 2020; 79% in 2019, and 75% in 2018.



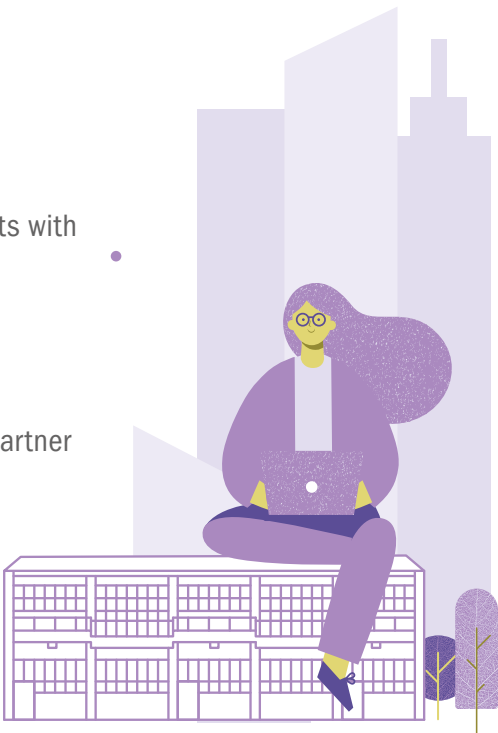
IP Facens

+ 650 partner companies;

+ 500 students in projects with partner companies;

+ 26 million reais invested in partnerships in 2022;

+ 500 research projects (between CIs, TCCs and partner research).



Alumni

773 total members in 2022;

+ 20 employment opportunities generated from alumni to students;

+ 25 meetings of strategic Alumni committees;

+ 4,100 views of online activities.



Leadership

Leadership enables us to implement policies, actions, and processes that ensure the sustainability of our organization and care for the needs of present and future generations. In addition, good leadership should involve multiple stakeholders, including faculty, staff, students, and the entire community, with a focus on transparency, accountability, and responsibility.

At the Facens University Center, we have the Sustainability Committee, composed of representatives from different areas, which meets fortnightly to plan, implement, and monitor initiatives based on the four pillars for sustainability, as well as to ensure the transversality of sustainability in our actions.



“Sustainability is not just about adopting new technologies; it’s also about governance and social systems that promote sustainable behaviors.”

- Klaus Schwab

(founder and executive chairman of the World Economic Forum)



Ana Carolina Camargo - **Academic**
Egnaldo Paulino - **Smart Lab**
Eliane da Rocha - **Library**
Felipe Fengler - **Academic**
Gustavo Isaia - **Academic Coordination**
Karina Leonetti - **Academic and Alumni**
Laura Alves - **People and Management**

Luciana Gomes - **PMO**
Luciano Freire - **Academic Board**
Mabel Oliveira - **LIS and Sustainability**
Maurício Tolotto - **Sustainability**
Paula Eckstein - **People and Management**
Paula Migliavacca - **Marketing**
Raquel Barbosa - **LIS**

Raquel Barros - **ENLACE**
Regiane Romano - **Smart Lab**
Rodolfo Pinelli - **ED+ Content Hub**
Tamara Camargo - **LIS**
Teco Barbero - **Marketing**
Vitor Belota - **Sustainability**



SDGs:



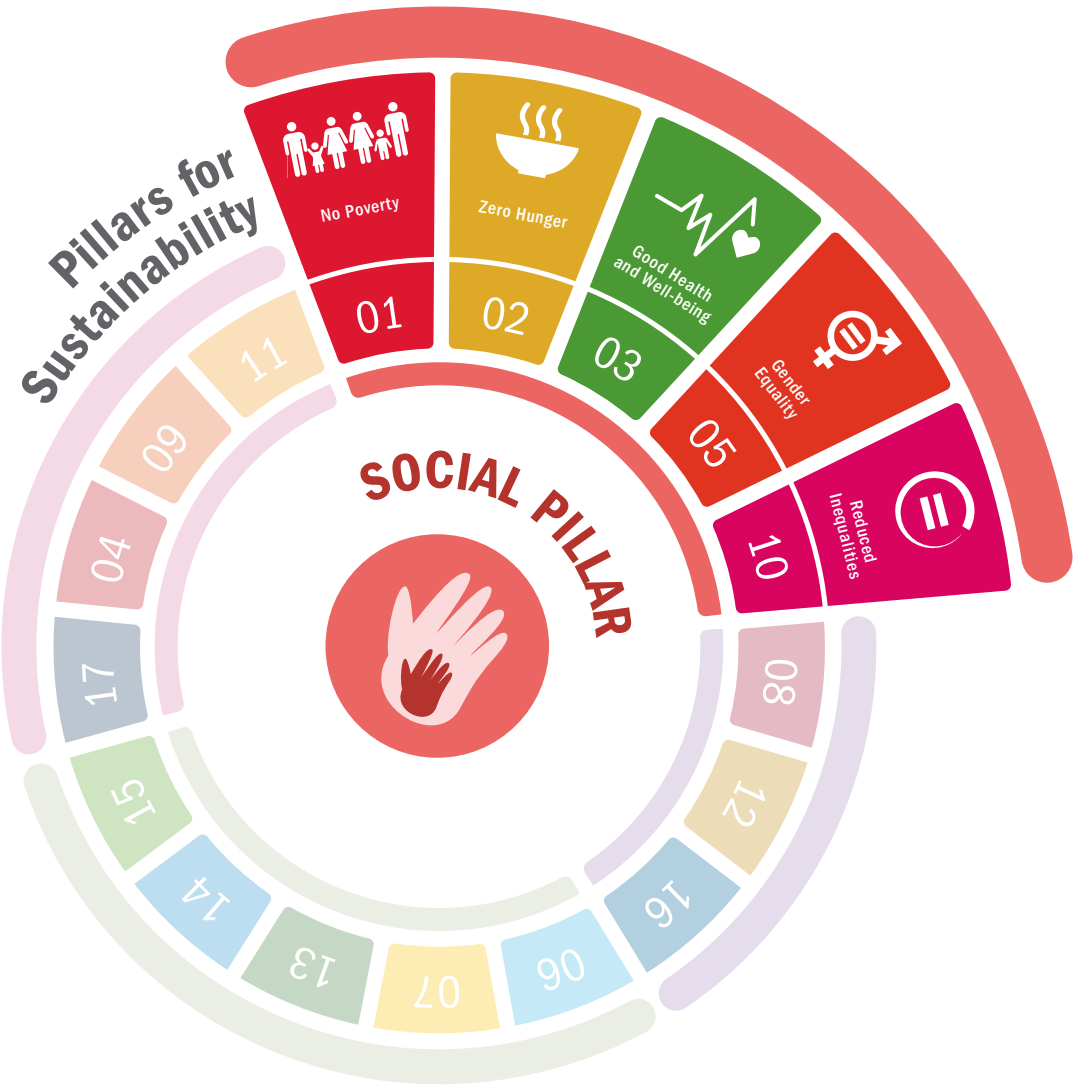
Social Pillar

At Facens, we believe that the role of a university is to act as a great tool for social transformation of the individual, personally and professionally, as well as of all stakeholders involved. We have a responsibility to develop people and professionals who understand the global context and contribute positively to society and the environment. Our social pillar is divided into four axes of action: Scholarship policies and facilitated access to education; Health and well-being; Social actions and partnerships; and Gender, race, and diversity equity. These themes encompass SDGs 1, 2, 3, 5, and 10.

**“Education should not simply teach work-
it should teach life.”**

– W. E. B. Du Bois

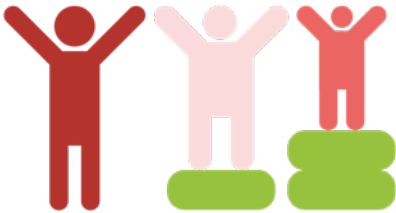




AXES OF ACTION:



SCHOLARSHIP POLICIES AND FACILITATED ACCESS TO EDUCATION



GENDER EQUITY, RACE, AND DIVERSITY



HEALTH AND WELL-BEING



SOCIAL ACTIONS AND PARTNERSHIPS

Impact report

Facens Donations

- 1.5t of food;
- 268 packs of disposable diapers, totaling R\$13,395.00
- More than 300 items of clothing, hygiene items, and toys;
- NGOs benefited: Lar São Vicente de Paulo; CUFA Sorocaba; Casa de Davi; and Lar Casa Bela.



Empresas do Bem

- Total of R\$191,647.30 collected in the three campaigns;
- 227 baskets distributed to the São Vicente de Paulo Home.
- 5 NGOs benefited in 2022: Maple Tree; Lar São Vicente de Paulo; IBRASE; Sorocaba Food Bank; and Mano Down Institute.

In 2022, Enlace achieved:

In the first semester:

- 984 students;
- 12,358 activities performed on the Well-Being Trail.

In the second semester:

- 961 students;
- 8,008 activities performed on the Well-Being Trail.



Among the available scholarships, we have:

- Philanthropy
- Academic tutoring
- Scientific initiation
- Prouni
- Merit
- Technical tutoring
- Sibling/family scholarship

In 2022, the following were invested in philanthropic scholarships:

- R\$12,070,371.08 for Prouni, including 556 students;
- R\$1,052,771.49 destined to Philanthropy, with 44 students contemplated.

In non-philanthropic scholarships, R\$8,341,363.00 were invested, distributed among different types of discounts, such as: Alumni; Enem (10% to 50%); Funding; Retention; Partnerships; Postgraduate; Family; Exchange; Transfers; Merit; Course/shift migration; Tutoring; Obtaining a new title, and Punctuality.



Gender, race, and diversity equity

According to data from the first edition of the Diversity and Inclusion Survey aimed at all 700 employees, in which we had 332 respondents:

5% of employees are PWDs:

- Low vision;
- Crohn's syndrome;
- Cerebral palsy;
- TEA;
- Decreased hearing;
- Visual impairment.

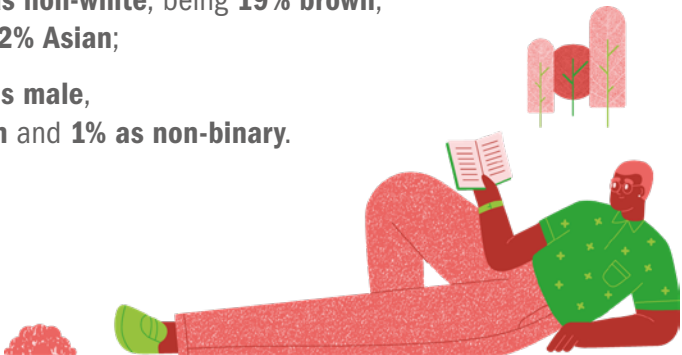


14% identify as **LGBTQIAP+**;

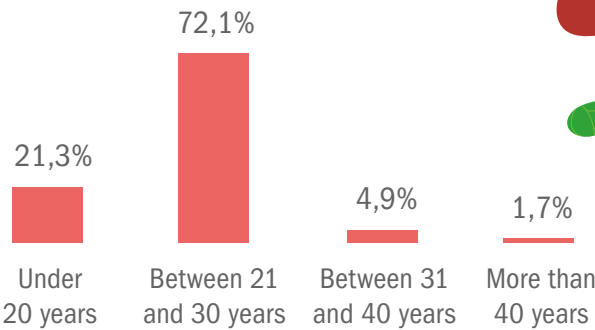
40% of employees in administrative and teaching positions **identify as women**;

26% identify as **non-white**, being 19% **brown**, 5% **black** and 2% **Asian**;

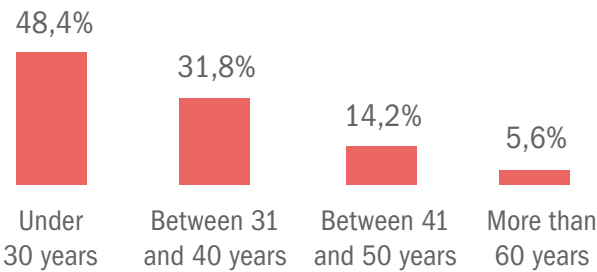
57% identify as **male**, 42% as **women** and 1% as **non-binary**.



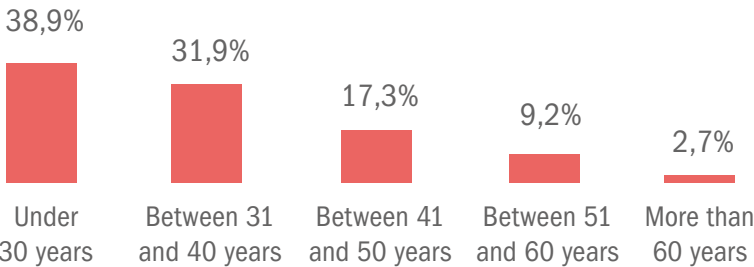
Age group of undergraduate students:



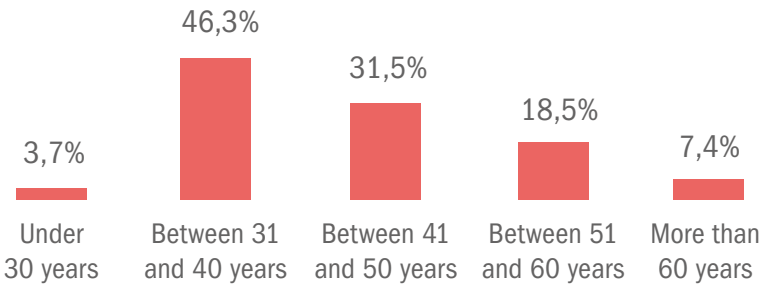
Age group of post-graduate students:



Faculty age group:



Age group of technical-administrative collaborators:



Scholarship policies and facilitated access to education

At the Facens University Center, we believe that access to education is one of the main ways to achieve social equity, so we offer several scholarship programs, both partial and full, for our undergraduate and graduate students. In addition to them, there are also full scholarships for employees and dependents and mobility scholarships, available in shares of the International Relations Office (DRI) together with foreign partner institutions of the Facens University Center.

Each scholarship offered has the potential to change the course of an entire family's life, so we are grateful and proud to have so many inspiring stories over the past few years. We have also chosen to provide some means of flexibility so that our student can complete their course through student funding such as FIES and Fundacred. In commercial negotiations or financial arrangements, the facility of installment payment on the credit card and/or bank slip is also offered.

“Education does not transform the world. Education transforms people. People transform the world.”

– Paulo Freire



In 2022, our student Lourranny Loiola, who was a full scholarship holder throughout her education, graduated in Production Engineering. Learn about this story:

“When I took the entrance exam for Production Engineering, I knew that I would have difficulties paying for the course. It was then that I discovered the scholarship program offered by the college and decided to apply.

I got a 50% scholarship for the first year. In the second year, I applied again and was awarded a 100% scholarship. I continued studying and taking the ENEM, until I was selected by PROUni in the third year.

During my graduation, I had the opportunity to participate in several projects and meet incredible companies, such as Companhia Brasileira de Alumínio, where I currently work with Innovation and Digital Transformation. The assurance that my studies were guaranteed allowed me to focus on making the most of every opportunity and getting the best out of the learning process.

Facens' philanthropy was fundamental so that I could fulfill my dream of studying and graduating in Production Engineering and build a promising future. I am immensely grateful for this opportunity and hope that more students can access this once-in-a-lifetime chance to change their lives.”

Lourranny Loiola,

(Production Engineer graduated from Facens University Center)



Access and learn more.



“I joined Facens in 2016 and fell in love with the place, that’s when I discovered the scholarship for employees and their dependents and became very interested.

I worked at the concierge, few in the concierge, maintenance and cleaning area are interested in scholarships for fear of not being able to complete the courses.

I took the entrance exam at the age of 38 and the support I always had, from the beginning, was the strength I needed, I was very shy, but I had the opportunity to participate in several events and projects within Facens.

Within the institution itself I was able to do my mandatory internship and seven months later I was transferred to the new sector, today I have been a Process Assistant for almost seven months, I graduated as a Production Engineer and I started to study postgraduate studies in Integrated Management Systems (Certification in Lead Auditor), also through the Facens employee scholarship.

I have two more children studying Engineering with scholarships, one started as an intern in the Huawei sector, today he is a Junior Analyst and graduates as a Civil Engineer later this year. The other studies Production Engineering and graduates by the end of the year.

Today, at the age of 44, I can say that my name is Michele, a postgraduate Production Engineer in SGI and I work in the area of Quality & Processes, I have two future engineers, one of them already working. And it all started with the scholarship opportunity that Facens provides to employees and their dependents.

I cannot describe the gratitude and pride I feel when talking about Facens, but I can say that Facens has changed my family’s life.”

Michele Alessandra Borges Leite

(Production Engineer and Process Assistant in the Quality & Process area of the Facens University Center)



“I took the entrance exam for Facens in 2018. I was excited to start the Computer Engineering course at one of the best private universities in the country. However, despite this enthusiasm, the concern about tuition was always a shadow that accompanied me. To reduce the tuition, I made the financing through Fundacred, which allowed me to pay only half of the amount while I was in college, and I would pay the rest as soon as I graduated.

During the first semester, I worked as a minor apprentice in a certain company. This work, however, was linked to the Administrative Assistant course I was taking at Senai and, consequently, as soon as I graduated from the course, I would also be dismissed from the company and, soon, I would no longer be able to continue paying the monthly fee.

And that’s when something miraculous happened. During my graduation from Senai, at the end of the first semester of college, I had the great pleasure of meeting Thais and his Antonio Beldi. Two people who were introduced to me through a professor of mine from Sesi Sorocaba, Érica!

Chat goes, chat comes, I commented that the first semester of college was great, but that I was worried about the next ones, because the money I had saved only allowed me to attend one more semester.

Such was my surprise when three days later the Facens secretary had called me to attend college. I had no idea what it was about. Arriving there, they announced that I had won a Facens scholarship. My eyes filled with tears. “At least I’ll have another semester guaranteed,” I thought to myself. He was already more than satisfied with that. But the surprise didn’t end there. Then they announced that the scholarship would be 100% until the end of my college. And that’s when I lost control of myself.

It’s been one, two, three semesters... And today, after finishing the tenth semester and finally achieving the degree, I say that I only achieved this victory through this scholarship that was granted to me. I definitely wouldn’t be where I am today if it wasn’t for that.

I just have to thank Facens for this opportunity, and I hope that such an opportunity will be granted to others who, like me, have the dream of completing a course at one of the best universities in the country!”

Geazi Antunes da Cruz

(Computer Engineer graduated from Facens University Center, visually impaired student)

SDGs:

4

Quality Education

9

Industry, Innovation, and Infrastructure

11

Sustainable Cities and Communities

17

Partnerships for the Goals

Education Pillar

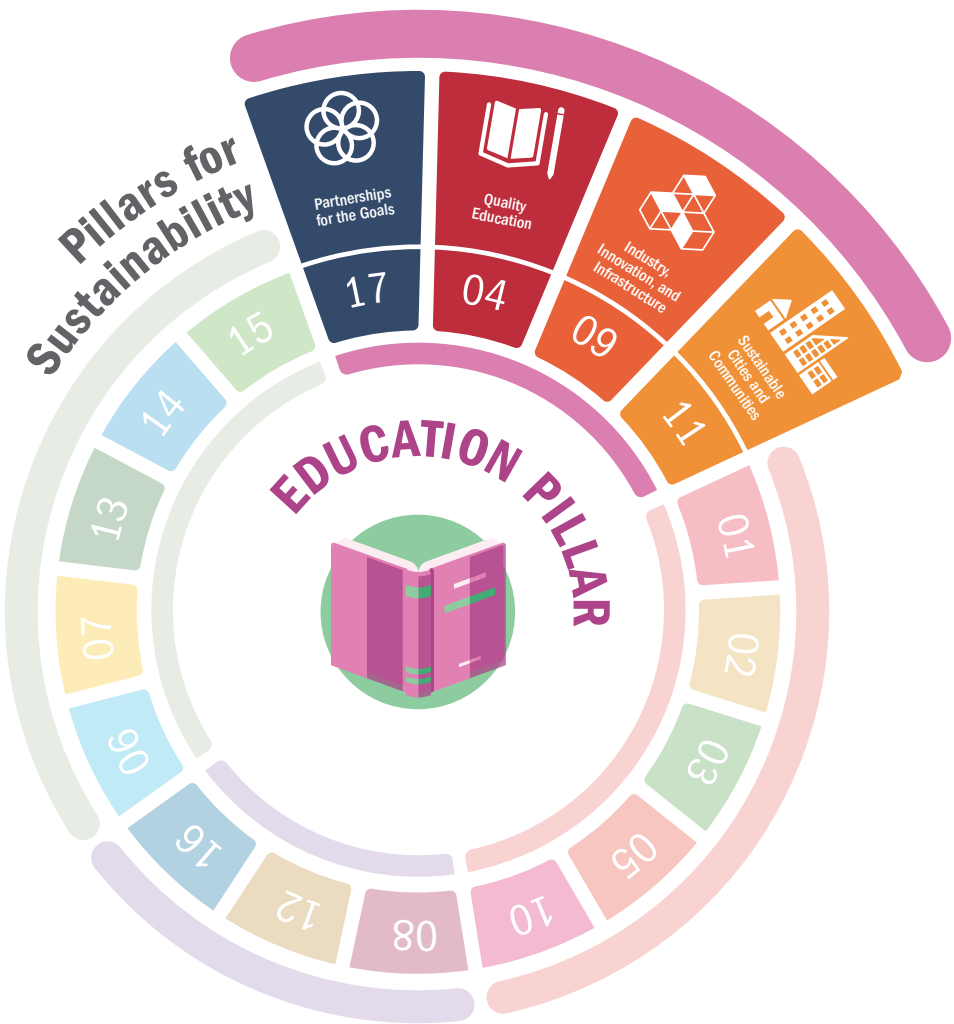
for a sustainable future



The Facens University Center is committed to educating for the promotion of a sustainable future. This is reflected in several initiatives and programs that the institution has implemented. We include sustainability education in our undergraduate and graduate courses, offering specific disciplines on the subject and encouraging the incorporation of sustainable principles in students' projects. Moreover, we partner with local and national organizations to promote sustainability, such as environmental awareness projects and volunteer programs, which allow our students to contribute implementations of real solutions to society. Everything corroborates our goal of developing highly qualified professionals, with knowledge and skills to work on impactful projects and solutions, who are conscious citizens, and contribute to the development of a cleaner and greener economy. These themes encompass Sustainable Development Goals 4, 9, 11, and 17.

“Education saves and transforms lives, it is the foundation of all sustainability, which is why we must work together in all areas of development to make it a universal right.”

Irina Bokova
(Director-General of UNESCO)



AXES OF ACTION:

QUALITY EDUCATION

SUSTAINABILITY RESEARCH

EXTENSION FOR SUSTAINABILITY

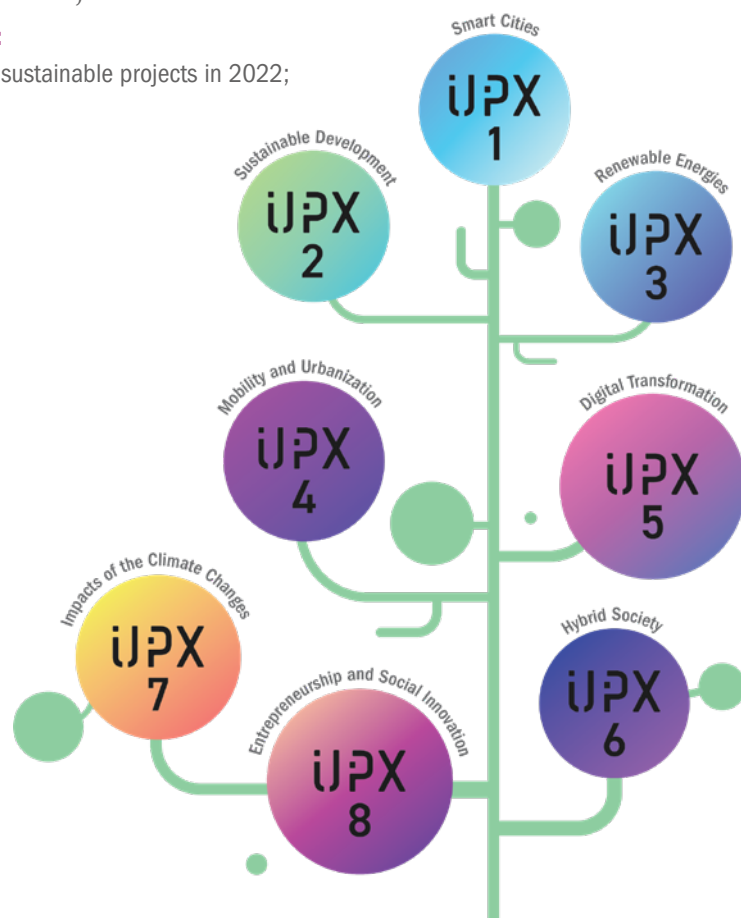
Quality Education

Usina de Projetos Experimentais (UPX)

The UPX (Experimental Projects Plant) is a module that makes up the curriculum of undergraduate courses and promotes the development of technical and socio-emotional skills, as well as the expansion of socio-environmental awareness and entrepreneurial attitude. Moreover, it presents local and global challenges and how they relate to the market. UPX's activities are always aligned with the Sustainable Development Goals and the Sustainable Projects Guide.

UPX:

- 399 sustainable projects in 2022;



Well-being and Flourishing Trail

The well-being and flourishing trail is an Enlace project. It is a self-instructional and mediated structure to guide students and professors towards their self-knowledge, through a subway trip.

More than 1,900 students affected by the **Well-being** and **Flourishing** trail of **ENLACE**;



Sustainable Educator Award

It is a way to promote the 2030 Agenda, as well as to encourage sustainable practice among professors. The registered professors went through a stage of popular voting and also evaluation by experts.

Sustainable Educator Award:

- 30 projects enrolled and +2,500 popular votes;



Comitê de Sustentabilidade Estudantil
#Sustentabilidade Facens



The development of specific projects and activities are guided by members of the Facens University Center's Sustainability Committee and aim to encourage students to learn more about sustainable actions and practice them on a daily basis.

Project Mundos Possíveis:

O projeto “Mundos Possíveis – Onde Olhares Se Cruzam” foi organizado pelo ENLACE junto aos alunos da disciplina de Psicologia Social. Os estudantes interagiram com pessoas provenientes de diversas comunidades para descobrirem talentos “invisíveis” aos olhos da sociedade, mudando o estigma e o preconceito, promovendo trocas com empatia e transformando vulnerabilidade em potência.

Possible Worlds Project:

- 86 students involved;
- 318 people served including indigenous, quilombolas, Haitians and people in vulnerable situations, from the Guyrapepo Indigenous Village Community, Vila Rica Community, Quilombo Cafundó, Canta Sapo Community, Bairro Vitória Régia and Ocupação Dandara.



Internationalization

21 students approved for the mobility programs, 15 students from the Global Study program and 6 Double Degree students

2 COILS performed (Learning International Collaborative Online): Jiatong University – China: 15 scholarships awarded to Facens students, Meiji University – Japan: 7 scholarships awarded to Facens students.

Innovation and Smart Cities Immersion Program offered by Smart Lab, in partnership with IES in Peru

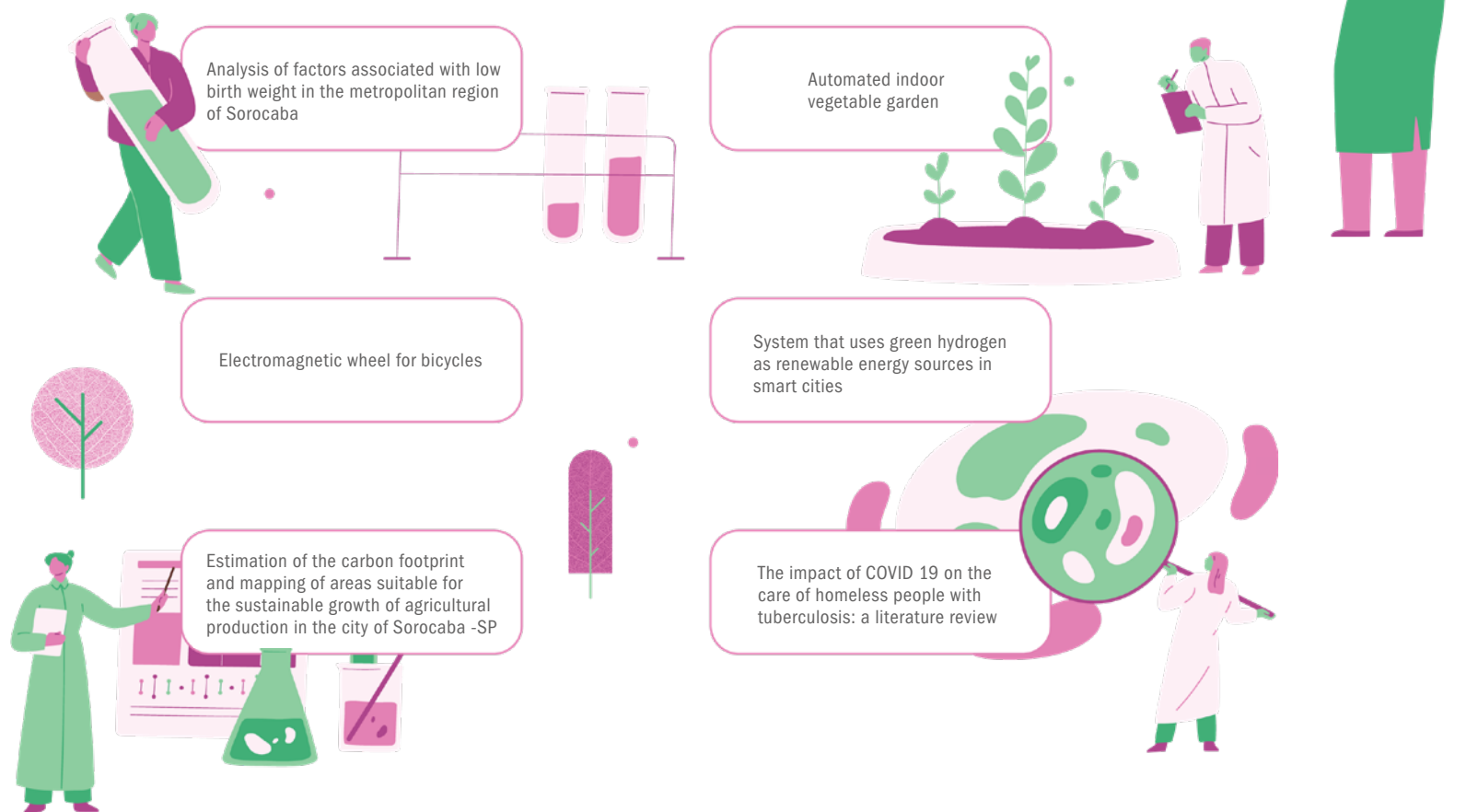
Another internationalization action was the Innovation and Smart Cities course that trained 10 Peruvian professors from the Universidad Nacional de Educación Enrique Guzmán y Valle (UNE EGYV), Facens’ partner institution in Peru.



Sustainability Research

At Facens, the projects carried out in the most different disciplines, such as scientific initiation and course completion work, are aligned with the UN Sustainable Development Goals. Some of these are the following:

Scientific initiation projects:



Extension for Sustainability

Florestas Inteligentes:

The Florestas Inteligentes (Smart Forests Project) was born from the union of three educational institutions – FACENS, Newton Paiva and CESUPA – with the purpose of developing smart and high-impact solutions to improve the quality of life and sustainability of forest communities. In 2022, the impacted site was Ilha do Combú, a riverside community located on the outskirts of Belém do Pará. The 3 finalist teams went to the community to prototype their projects. The teams presented their final results and the PURIFY team was the winner of the edition, taking the prize of R\$5,000. Their solution, in addition to bringing drinking water, had an autonomous solar energy system, which supplies both the ultraviolet light used for microbiological filtration and can also be used to connect small household appliances in the house.

EcoGinc:

Ecoginc is a project that takes place in public high schools in a gamified way, in the form of a gymkhana between classrooms in which knowledge and methodologies are applied, and activities are put into practice on topics related to sustainability, design thinking, SDGs (Sustainable Development Goals), citizenship, entrepreneurship, bullying, and conflict resolution. Ecoginc2022 was held at the João Clímaco de Camargo Pires State High School in Sorocaba, with the attendance of more than 135 students. The winning project of the gamified gymkhana was developed by the 3R Bonde group (recycle, reduce, and reuse), which emerged after the school's crisis regarding garbage collection and separation.

Awards & Recognition

The Facens University Center has many awards and recognitions obtained by the institution and the professionals that compose it. We selected some obtained in 2022 to present in this pocket version. To know all the awards and recognitions received in 2022, access the QR Code on the page.



Guia Quero Estação



Outros reconhecimentos Facens no Guia Quero Estação:

Production Engineering – the best course in Sorocaba in a private institution;

Digital Games – the best course in Sorocaba;

Civil Engineering – the best course in Sorocaba;

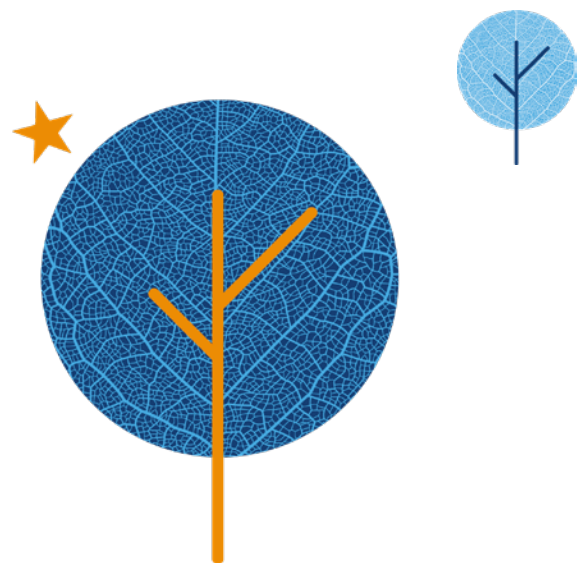
Computer Engineering – the best course in Sorocaba;

Electric Engineering – the best course in Sorocaba;

Mechanical Engineering – the best course in Sorocaba;

Mechatronic Engineering – the best course in Sorocaba;

Chemical Engineering – the best course in Sorocaba.



Facens is considered, among private higher education institutions, the most sustainable in Brazil for the second time in the UI GreenMetric International Ranking.



The 1st private higher education institution in the country in sustainability by the UI Greenmetric ranking.

- **1st place in Brazil in Energy and Climate Change;**
- **Top 3 of the State;**
- **6th between Public and Private Institutions in Brazil;**
- **Among the 20% most sustainable in the world.**



Facens receives seal Socially Responsible Institution 2022/2023

Facens receives the seal of Socially Responsible Institution ABMES (Brazilian Association of Higher Education Maintainers), a certification that aims to show society that the institution promotes actions focused on social well-being and sustainable development of the community in which it operates.



Thais Beldi receives “Ana Abelha Medal” from the Municipality of Sorocaba

Thais Beldi, director of strategy and innovation, receives the medal of Entrepreneurial Woman “Ana Abelha”, from the Municipality of Sorocaba, in recognition of her prominence in the business environment, in addition to all her extensive work in socio-environmental causes throughout Brazil and the world, representing the strength of Sorocabana women.

FACENS 2022 SUSTAINABILITY REPORT

EXPEDIENT

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