

2021


RESUMO

Público 2021

Plano de Manejo Florestal - Telêmaco Borba - PR



Klabin

A photograph of a dirt path winding through a dense, green forest. The path is flanked by wooden fences made of vertical posts and horizontal rails. The forest is lush with various types of trees and undergrowth. In the distance, a small structure with a green roof is visible. The sky is blue with some light clouds. A large, semi-transparent green circle is overlaid on the left side of the image. On the right side, there is a white, stylized graphic element resembling a tree or a branch.

Klabin PR - FSC-C022516

DEAR READER,

On the next pages, you will learn a little bit more about Klabin's efforts to have a proper management of its forests, social and sustainability policies. It is Klabin's commitment to generating wealth, always respecting nature, its employees and society, in addition to maintaining its commitment to long-term adherence to the principles and criteria of FSC® (Forest Stewardship Council) and Cerflor. We have identified the text changes that occurred between the previous version of the Public Summary of the Management Plan, and it has the "I" symbol, to make your reading easier. Have a good reading.

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Picture: Klabin's Collection

Monte Alegre Unit



ABOUT KLABIN

Klabin is the largest paper producer and exporter in Brazil and a leader in the production of paper and paperboard for packaging, corrugated cardboard packaging and industrial bags. It is also the only company in the country to provide simultaneously to the market short fiber pulp (eucalyptus), long fiber pulp (pine) and fluff pulp.



Klabin is divided in four business units:

- Forestry: raw material for pulp production and sale of timber logs for sawmills and laminators;
- Cellulose; short fiber pulp, long fiber pulp, and fluff pulp;
- Paper: kraft paper, paperboard, and recycled paper;
- Conversion: corrugated cardboard packaging and industrial bags.

Paper and cards for packaging manufactured by Klabin, as well as the corrugated cardboard packaging and industrial bags provide protection and safety to food, beverages, hygiene and cleaning products, electronics, cement, seeds, wheat flour, chemical products, among others. The long fiber pulp, short fiber pulp and fluff pulp applied fluff fluff pulp, when applied separately or combined provide essential characteristics to several kinds of paper: resistance, softness, and absorption to fit ideal measures for hygiene products, resistance and opacity for printing and writing paper and other specific properties for especial paper. The company management is oriented towards sustainable development seeking integrated and responsible growth that links profitability, social development, and environmental commitment.

Forest Area

After the Monte Alegre Farm acquisition, the forest area was established to meet the needs of the factory. In 1943 the first araucaria and eucalyptus forests were planted, and in 1951 the first species of pines from the south of the USA were introduced.. The principles that guide the whole group of Klabin came up with the project: respect for nature and continuous concerning about sustainability. The forest management practices combined with the environmental preservation actions and social responsibility enabled Klabin to be the first company in paper and pulp segment of Americas and receive the international certification Stewardship Council® (FSC®) in 1998. The following year, the company received the certification of management of medicinal plants and, in 2001, completing the cycle with the certification of the custody chain for non-timber forest products, that opened up opportunities for Klabin to sell phytoproducts with the FSC® seal. Encouraged to show the origin of the raw material used in its products, Klabin received in 2005 the FSC® certification for the custody chain of paper production and for the virgin fiber cards in Monte Alegre Unit. In 2007 they certified the productive processes of recycled paper, industrial bags and corrugated cardboard packaging. In 2017, it was also awarded the Cerflor (Brazilian Forestry Certification Program) certification, internationally recognized by the PEFC, for the forest management and custody chain of short-fiber and long-fiber pulp production, in addition to fluff pulp for Puma Unit.

Sustainability Policy

For Klabin, sustainability has a deep meaning in the history and life of the company. It is the main foundation of business management and a long-term commitment to shareholders, clients, employees, suppliers, and the communities in which we operate. From forests to packaging, there is a model of self-sufficiency, respect for the environment and encouragement to the development of all stakeholders in the production chain.

1

Pursuing competitive quality, aiming at the sustained improvement of its results, researching, developing, and continuously improving processes, products and services to meet the expectations of clients, employees, stakeholders, community, suppliers and other stakeholders.

2

Promoting collaboration with clients, suppliers, institutions, and other interested parts in the search for innovation for products and processes and improvements for the value chain.

3

Ensure the forestry base valorisation from the transformation of sustainable and competitive products.

4

Ensure the supply of planted timber to industrial units sustainably, without harming the natural ecosystems associated in its own operations and in fostered ones.

5

Practice and promote the pulp fibers recycling in its production chain.

6

Avoiding and preventing pollution by reducing environmental impact regarding water effluents, solid waste, and atmospheric emissions, constantly considering these elements in maintenance and productive processes improvement, in products development and improvement, in forestry and logistics operations and in the critical suppliers monitoring due to economic and socioenvironmental aspects.

7

Apply the most efficient and current technologies and solutions of engineering in [the implementation of] new projects to protect the human health, natural resources and environment.

8

Promote the personal and professional growth of its employees and the pursuit of continuous improvement of work conditions, health, and safety.

9

Promote ethics dissemination culture and develop the best practices of corporate governance.

10

Watch the Sustainable Development Goals (SDG) of the United Nations (UN) and guide its actions and investments to strengthen this agenda, acting in a purposeful manner in favour of the positive socio-environmental development of the places where it works.

11

Practice the social responsibility focusing on communities where it works, according to the private social investment platform based on performance lines: Local development and education

12

Comply with the legislation and standards applicable to the products, environment, health and safety.

13

Ensure that the company's operations constantly seek the reduction of greenhouse Gas (GHG) emissions.



CODE OF CONDUCT

Since its foundation, Klabin has sought to develop to provide to its employees, clients, suppliers and society in general a sustainable relationship by an ethical conduct and socially acknowledged principles. The high standards followed by the company are fundamental keys for its growth. The assumptions of Klabin's Code of Conduct go beyond simple compliance with laws and policies and has as a purpose to standardize standards among its directors, officers, and employees, encouraging them to adopt in their daily lives behaviours and attitudes led by basic values and guidelines established in this code.

Klabin maintains the following communication channels to contact the Ethics Committee.



ouvidoria@klabin.com.br

www.klabin.com.br/ouvidoria



0800 718 7814

Picture: Klabin's Collection
Bugio-ruivo (Alouatta guariba)



SOCIO-ENVIRONMENTAL RESPONSIBILITY POLICY

for hiring suppliers

At Klabin all the businesses are guided by ethics, transparency, and respect for sustainability principles to ensure economic balance, social responsibility, and environmental preservation. Therefore, the company seeks suppliers that follow the criteria specified in the Social and Environmental Responsibility Policy for Contracting Suppliers. The contract model was revised from a standardization of sustainability aspects as on-time delivery, credit condition, respect for applicable laws in compliance with taxes, prohibition of child and forced labor and adoption of measures to protect the environment. Those interested in becoming Klabin's suppliers must access the company's website and the Contact Us tab > Suppliers Registration.



EXTERNAL COMMITMENT

Klabin seeks to play an active role in socio-environmental and economic issues, voluntarily joining proposed commitments by acknowledged institutions described on the following pages.



GLOBAL PACT

Aware of its influential role in mobilizing society for the building of a fairer and sustainable country Klabin has been signatory of the Global Pact since 2003. The initiative, which was developed by the United Nations (UN) and has several organizations articulated around the world, aims to mobilize the international business community for the adoption of fundamental values in their business practices in areas of human rights, work relations, environment, and anti-corruption.

ISEB3 2019

CORPORATE SUSTAINABILITY INDEX (ISE)

Index was created in December, 2005 by BM&FBovespa and it aims to assess different aspects of sustainability in an integrated way. Its goals are to act as an inducer of good practices in the Brazilian business environment. Companies are selected on the basis of criteria set out by the São Paulo School of Business Administration of Fundação Getulio Vargas (EAESP-FGV). Klabin has been part of the ISE since 2014.



NATIONAL PACT FOR THE ERADICATION OF SLAVE LABOR

Launched in 2005, it brings together Brazilian companies and multinationals that have made a commitment of not negotiating with those who explore slave labor. In addition to economically restricting Employers that commit this crime, the pact predicts a decent work promotion, the social integration of employees in vulnerable situation and combat to enticement. Signatory companies to this initiative participate in the process of pact monitoring and have the commitment to making the results of their efforts public to ban slave labor. Klabin has been in this initiative since 2013.

SUSTAINABLE DEVELOPMENT GOALS - SDGS

The Sustainable Development Goals (ODS's), since 2016 constitute a global development agenda with 17 goals and 169 targets established by the United Nations (NU UN) for governments, society and private sector. The UN initiative brings together governments, civil society, and private sector in a global agenda in favor of people, planet, peace, and prosperity defining priorities and global aspirations for 2030. Since then, Klabin has been working not only to highlight the initiatives that it has already adopted contribute to this agenda, as well as to identify new opportunities of performance and encourage the SDGs to be increasingly integrated to the strategic planning of the company.

The goals are:

- | | |
|---|--|
| 1. Poverty eradication; | 10. Reduction of inequalities; |
| 2. Zero Hunger and Sustainable Agriculture; | 11. Sustainable cities and communities; |
| 3. Health and wellness; | 12. Conscious consumption and production; |
| 4. Quality education; | 13. Action against global climate change; |
| 5. Gender equality; | 14. Water life; |
| 6. Clean water and sanitation; | 15. Earth life; |
| 7. Clean and affordable energy; | 16. Peace, justice, and effective institutions; |
| 8. Decent work and economic growth; | 17. Partnerships and means of implementation. |
| 9. Industry, innovation, and infrastructure; | |

BUSINESS PACT FOR INTEGRITY AND AGAINST CORRUPTION

The Pact was launched in June, 2006 by Ethos Institute for Companies and Social Responsibility initiative, UniEthos—Management Training and Development Socially Responsible, Patri Government Relations & Public Policy, United Nations Program for Development (UNDP), the United Nations Office on Drugs and Crime (UNODC) and the Brazilian Committee of the Global Pact.

The main commitments expressed in the text are:

- Information about legislation;
- Disclosure, guidance, and answers about legal principles applicable to its activities;
- Prohibition of bribery; transparent and lawful contribution to political campaigns;
- Pact principles dissemination among its audiences;
- Open and transparent investigations;
- Acting in the production chain.

Klabin has been a signatory to this pact since 2013.



LOCAL ID

The Local and Large Development Business Initiative (Local ID) aims to articulate the business sector to reflect, exchange experiences and build business proposals and guidelines for the local development. It promotes the dialogue, study, articulation and the co-creation of proposals, methodologies, and local management tools. All with the purpose of adding local development to the business strategy of the companies responsible for investments in poor areas in the context of large projects. In 2014, Klabin was one of the acknowledged companies by the Innovation Cases initiative and Local Development with the case "Structuring local empowerment and territorial engagement" in the region of Paraná. The work has brought together a set of interconnected actions with focus on community development around the company in that State. This action has been carried out since 1980s, but with the Puma Project the actions of the companies have been extended to a wider range of the community.



GHG PROTOCOL

Klabin has been part of this program since 2013, which aims to encourage the corporate culture for preparation and publication of Greenhouse Gas (GHG) emission inventories, providing participants with access to instruments and standards of international quality. Originally developed in the United States, in 1998, by the World Resources Institute (WRI), the GHG Protocol is a tool used to understand, quantify and manage GHG emissions



CARBON DISCLOSURE PROJECT (CDP)

Klabin has been in this global initiative since 2006 to facilitate the dialogue between investors and companies that try to minimize environmental impacts of their businesses in the face of climate change.



FORESTRY DIALOGUE

The Forestry Dialogue is an unprecedented and independent initiative that facilitates the interaction between representatives of forest-based sector, environmental organizations, and social movements with the objective of building a vision and commitment for both. To this end, it promotes effective actions associated with forestry production, in addition to expanding the scale of efforts to preserve and restore the environment, generating benefits for participants in the Dialogue and for society in general. Klabin has participated in the Brazilian Forest Dialogue since 2009 as a member of the Coordination Board which is made up by representatives of five companies and five civil society organizations.



TCFD

We have implemented the Task Force on Climate Related Financial Disclosures (TCFD) and we have been TCFD Supporter since August, 2020.



ABRINQ FOUNDATION

The Abrinq Foundation Program recognizes organizations that defend childhood and adolescence through Child Friendly Company seal, which attests that, among other actions, we do not exploit child labor, do not allow it in our production chain and promote social actions that they encourage the education and learning of children and young people in the communities in which we operate.



SUSTAINABILITY ACCOUNTING STANDARDS BOARD (SASB)

The SASB is a set of standards that helps identify, manage, and report the organization sustainability topics going through environmental, social and governance issues that can impact its financial performance. Its main audience is large companies and investors. In 2020, Klabin started reporting the recommended SASB indicators for the sectors of packaging, pulp and paper and forestry.



ECOVADIS

Klabin is the first Brazilian company to implement the EcoVadis methodology since 2019, a global provider of corporate sustainability ratings. In 2020, Klabin won the Platinum category in the EcoVadis Corporate Responsibility Assessment integrating the select group of 1% of companies with the best performance in Pulp and Paper sector in the world. Topics such as labor practices and human rights, the environment, ethics, and sustainable procurement are analysed.



WOMEN EMPOWERMENT PRINCIPLE

We have been signatories to the Women's Empowerment Principle (WEP), a UN initiative, since 2018. WEP is a set of considerations that help companies to incorporate in their businesses values and practices aimed at gender equity and women's empowerment.



BUSINESS SUSTAINABILITY INDEX (ISE)

Index was created in December, 2005 by BM&FBovespa, now B3, and aims to assess different aspects of sustainability in an integrated way. Its goals are to act as an inducer of good practices in the Brazilian business environment. Companies are selected on the basis of criteria set out by the São Paulo School of Business Administration of Fundação Getulio Vargas (EAESP-FGV). Klabin has integrated ISE since 2014.



NEW INDEXER FROM B3 AND S&P DOW JONES

Klabin is among the top ten Brazilian companies that make up the S&P/B3 Brazil ESG portfolio. The new B3 and S&P Dow Jones indexer includes companies with the best socio-environmental and governance practices and that have joined the UN Global Compact.



CONSCIOUS CAPITALISM

Conscious Capitalism is a global movement that was born in the United States. The Institute's objective is to touch business leaders to more conscious strategic decision-making and relies on the efforts of different sectors to transform the way in which investments and business in Brazil are made. Klabin has been associated with the movement since 2020.



BRAZIL COALITION CLIMATE, FORESTS AND AGRICULTURE

Multisectoral movement, with more than 250 organizations, which discusses approaches to the impacts of climate change and ways of acting to contribute to the formulation of public policies focused on the theme. It is made up of entities that lead agribusiness in Brazil, the main civil organizations in the environment and climate area, important representatives of the academic world, sector associations and leading companies in the areas of timber, cosmetics, steel, paper, and cellulose, among others.



WWF

For the fourth consecutive time, Klabin is included in the environmental performance index Environmental Paper Company Index 2019 (EPCI) – carried out every two years by the WWF (World Wide Fund for Nature or World Fund for Nature). We achieved a 90.5% score in the Packaging category, an increase of 8.9% in the overall index compared to the last study, released in 2017. Altogether, 30 companies of the sector were analysed, which together represent 18% of the total production of pulp and paper in the world.



Puma Locomotive
Picture: Klabin's Collection



BUSINESS DESCRIPTION

Klabin's forest areas in the state of Paraná, in December 2020, were made up as follows:

Áreas florestais	Total (ha)
Klabin PR's (Parana region) total forest area	421.698,97
Certified forest area	332.970,20
Klabin PR's total planted forest	202.645,39
Certified forest area	171.931,21
Native vegetation aimed for the total conservation of Klabin PR	172.416,08
Native vegetation aimed for the certified conservation	141.398,23
Unplanted area	16.559,16
Klabin PR's total infrastructure	30.083,05
Certified infrastructure	19.640,95

The other areas under Klabin PR's ownership that are not included in the scope of certification presented in this summary have their management monitored in other FSC® certification scopes.

1. Acting region

The Klabin Paraná unit is distributed in three regions: Telêmaco Borba, Guarapuava and Jaguariaíva. The headquarters of the Forestry Unit PR is located at Fazenda Monte Alegre, in the municipality of Telêmaco Borba, in the Campos Gerais region. Its forestry activities are distributed in 53 municipalities in the region: Adrianópolis

Arapoti, Campo Largo, Cândido de Abreu, Cândói, Carlópolis Castro, Congonhinhas, Cruz Machado, Curiúva, Doutor Ulysses Faxinal, Figueira, Goioxim, Grandes Rios, Guarapuava, Ibaiti Imbaú, Ipiranga, Itaperuçu, Itararé, Ivaí, Jaboti, Jaguariaíva Japira, Joaquim Távora, Lapa, Londrina, Mallet, Manoel Ribas Mauá da Serra, Nova Fátima, Ortigueira, Pinhalão, Piraí do Sul Pitanga, Porto Barreiro,

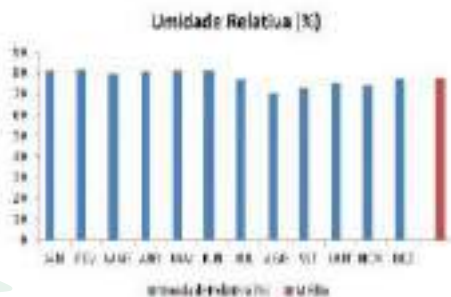
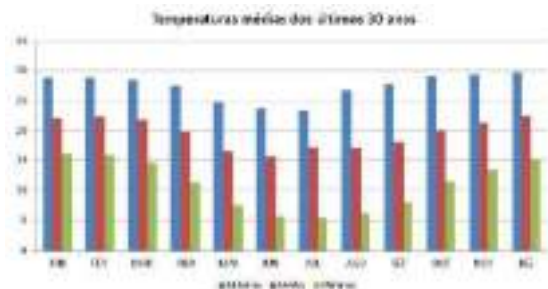
Prudentópolis, Reserva, Rio Branco do Ivaí, Rio Branco do Sul, Rosário do Ivaí, Santa Cecília do Pavão Santo Antônio do Paraíso, São Jerônimo da Serra, Sapopema Sengés, Telêmaco Borba, Tibagi, Tomazina, União da Vitória Ventania, Tejupá.



2. Geoclimatic data (Telemaco Borba Region)

Climate: The predominant climate is transitional subtropical to temperate, humid, mesothermal, with no defined dry season (Cfa/Cfb). Summer is hot and tends to concentrate rainfall, and in winter, frosts occur infrequently.

Summary of average climate data for the last 30 years in the region of Telêmaco Borba.



Geology: the main geological formations are found in the regions of Itararé, Rio Bonito, Palermo, Irati, Serra Alta, and Teresina.

Land Relief: Fazenda Monte Alegre is located in the Second Planalto Paranaense, which presents itself as an intermediate level in the succession of the great plateaus of Paraná.

Hydrology: Klabin's areas have great influence on water resources in their coverage areas. In this location, the hydrographic basins of the Tibagi River, the Ivaí River and the Cinzas River are located.



FOREST MANAGEMENT

The company is recognized for its sustainable management, which has as its objective the mixed use of timber and non-timber forestry (cellulose, sawmill, medicinal plants and phytoproducts laboratory). The use of environmentally correct practices used by the company in its forest management, as well as the proper management of the landscape, provide excellent use of the production potential of forests and the protection of natural resources. Klabin identifies and maps the environmental liabilities found in new properties (whether acquired or leased) and uses procedures to the correction of these, in addition to assuming the commitment to carry out, on site, forest management in accordance with the principles and FSC® and Cerflor criteria.

1. Timber Forest Management

Search: Through studies and new technologies, it seeks to ensure the maintenance and improvement of forest productivity, considering the quality of plantations and fibers for use in the production of pulp. It acts in specialties.

From: Forestry Improvement, Cloning and Biotechnology, Nutrition and Forestry, Forest Plant Health and Timber Quality.

Forest planning and management: Based on inventory data (continuous and/or pre-cut), studies and simulations, harvest rates and forest intervention strategies are defined to guarantee the supply of Klabin's factories and the supply of timber to the market.

Forest development: It seeks to maximize the productive potential of Klabin's forestry assets by improving techniques and processes, aiming at better economic, environmental, and social results.

Supply of seedlings: The production of *Pinus Pynus* and *Eucalyptus* seedlings is carried out through asexual (vegetative propagation) and sexual (seeds) reproduction and aims to meet the partial demand for seedlings for the nursery. It has the following stages: clonal mini-garden, vegetation houses, germination houses, shade houses, growth yards and hardening, substrate preparation, automatic seeding, and planting of mini-cuttings. The production capacity is close to 12 million seedlings/year.

Forestry: Forestry activities are divided into: land preparation, with operations that ensure the conservation of soil and water resources, planting of seedlings, control of leaf-cutting ants, control of weeds and fertilization (according to technical recommendations).

Supply of seedlings: The mechanized and integrated harvesting system guarantees the cutting of timber in places with difficult access due to the characteristics of the soil (mud, slopes, etc.) and also reduces the loss of raw material in the process. In addition, forest mechanization aims to provide better working conditions and safety for employees. This activity is carried out under strict control to protect the adjacent native forest. Klabin is a pioneer in power generation from biomass boilers in the pulp and paper sector. All branches, leaves and timber logs less than 8 centimeters in diameter remaining in the harvested areas are joined and crushed, becoming biomass. This material is used in the boilers of paper mills and, when burned, it generates energy for the paper machines. By adopting this system, the company stops using fuel to generate energy at its plant in Paraná and considerably reduces polluting gas emissions.

Road maintenance: The opening and maintenance of the road network (roads, fire breaks, bridges, manholes, etc.) are carried out based on environmental planning that delimits the areas for planting, preservation, main and secondary roads, fire breaks and water resources.

2. Non-Timber Forest Management

The Phytotherapy Program, a project for the use of Non-Timber Forest Products (NTFP), is an important example of scientific use of native forests preserved by Klabin. It began in 1984, in an artisanal way, and started to work on a manipulation scale in 1989. The Program seeks to improve the quality of life of the community (employees and their families), the preservation and rational multi-use of the biodiversity present in the areas of native forests and in the understory of commercial plantations.

Management systems: The management of flora for the supply of raw material for the Phytotherapy Program takes place in three different ways: management of medicinal plants in conservation areas, agroforestry system and cultivation. Raw material processing: to transform the obtained by-product (raw material) into active ingredient, good manufacturing practices are followed, which involve cleaning, selection, drying, conditioning, and milling of medicinal plants.

Production: The production of the Herbal Laboratory represents the industrial process of Non-Timber Forest Products (PFNM). The process features 100% traceability, handling/production scale based on local demand and includes specific transformation techniques, having as a parameter the percentage of morbidity existing in the communities around the company and the process sustainability calculations.

Quality control: Analysis unit to guarantee the quality of manufactured products, the correct use of operating procedures, environmental control and qualification of labor. It applies to any and all activities carried out by the Herbal Laboratory (packaging materials, maintenance and cleaning, environments, finished products and qualification of human resources).

Pharmacies: It represents the NTFP distribution area, involving market service, as it seeks the results of the use of final products and social responsibility processes, focusing on improving the quality of life of the community, allowing for easy access, assisted service and appropriate debts through payroll.

Raw material traceability: It represents all tracking, information network and controls functions. The technical-administrative processes of planning, production, cleaning, storage, distribution, transport and feedback are included.

Expansion Process: The Expansion Process has as main objective to supply the timber proposed by the factory, through prospection of areas in several modalities, such as: Acquisition, Lease, Plant with Klabin and Purchase of Timber. The asset valuation and valuation cycle are composed of eight steps: Prospecting, Previous Documentation, Macro Planning, Operational Evaluation, Pricing - Final Adjustments, Documentation, Release of the area and Start of Operation. Where each step takes place technical assessments of the respective areas involved with the property

3. Asset Protection

Klabin has a security structure for its forestry assets to prevent and reduce damage to its assets. Through preventive and/or corrective measures, mobile patrols and surveillance, the company protects the fauna and flora from the action of hunters and fishermen. The Paraná Environmental Police is one of the partners in this task.

Preventing and Fighting Forest Fires

In the 1960s, the company developed, in partnership with the Federal University of Paraná (UFPR), a program with the aim of creating, disseminating and inspecting plans for preventing and fighting fires on its properties. In 1980, Klabin created the Forest Fire Fighting Groups (GCIFs), whose main objective was to train field teams in combat.

Forest Fire Fighting Structure	
Radio Center (08007280607), factory, patio, timber, and mechanical workshop.	04
Surveillance towers	19
Motorcycles	55
Fire trucks	06
Water supply stations	64
Motorized Watch Tower	19
Motorized Forest Watch	23
Forest Fire Fighting Group (GCIF)	07
Extension of firebreaks, dividers, contours, and roads	15.833 km
Average of fires/year	55



Picture: Klabin Collection
Photographer: João Marcos Rosa

SOCIO-ENVIRONMENTAL RESPONSIBILITY



Picture: Klabin's

Klabin has direct and indirect interference in the socio-economic dynamics of communities by promoting an increase in income from the distribution of taxes in the municipalities where it operates, by developing socio-educational and socio-environmental programs, by generating direct and indirect jobs and by changing the local dynamics, encouraging community empowerment.

Klabin and its employees

People are of great importance to Klabin. Therefore, we select and make a point of retaining the best professionals, those who are aligned with our values and committed to building a better company every day. Best for everyone: clients, suppliers, employees, people in the community, friends, family, neighbors, or any of the millions of people who use the products daily of the company. For Klabin, people are more than resources within a company. Therefore, it abolished the term Human Resources, which was replaced by People & Management. Most current and true, this nomenclature highlights the respect and importance that the company dedicates to human capital, a fundamental element that drives its business. Because people bring, in their individuality, skills and potential that contribute to building a culture of engagement, development and results among all employees.

Occupational Health and Safety:

In April 2005, the company implemented Klabin Excellence in Occupational Health and Safety, a corporate program whose objective is to implement and disseminate techniques and tools

of occupational health and safety management, composing a system that enables the identification of risks and treatments for effective control, aiming to guarantee life, health and to the physical integrity of people. Klabin offers a series of benefits, which are presented from the moment of the interview.

More safety in the forest:

Klabin's Forestry area has a challenging goal: to reach within three years the rate of less than one accident for every 1 million man-hours worked, that is, to reach a world-class safety level at work. To overcome this challenge, it is necessary to develop a culture of safe production, contributing to the encouragement of the practice of active care, in which the employee carries out his activities taking care of himself, his co-worker and, mainly, allowing him to be cared for by other colleagues.

Klabin's concern is precisely to create the conditions to take root for this culture, in order to guarantee the safety and well-being of direct and indirect employees.

With this objective, we have training programs and awareness, monitoring and inspection actions aimed at accident prevention in all our areas of operation.

These actions, added to those of the Internal Prevention Commissions of Accidents (Cipas), present in all units, feed information to our Occupational Health and Safety Program (SSO). At the corporate level, there is also the Health and Safety Committee, composed of 30 members of all the hierarchical levels. Its role is to act in all units through the leaders, with preventive actions, campaigns, or programs in order to generate change and commitment. All Klabin employees are represented on these committees, as the leadership is involved in their activities and decisions. The security practices established by labor legislation and collective bargaining agreements are strictly adhered to by our employees. We also have as a rule the participation of service providers in the Contractor's Safety Committees as a rule, known as Comsecons, which exist in each unit. There are also SSO clauses in all formal agreements with unions, aiming at worker safety.

Forestry security programs

Caminho Certo Program

Professional forestry timber transport truck drivers attend quarterly lectures on traffic safety. On these occasions, they also have the opportunity to share stories and facts they experienced, later published in the comic book Boleia, which is edited by Klabin and allows the driver to bring safety information to the family.

Family Forestry

The employee's spouse or partner can help the professional to become aware of safe attitudes, helping to avoid accidents. Therefore, we developed a program that proposes to take these spouses or partners to get to know the environment of your partner's work, its difficulties, and its risks. At this time, they also receive guidance on safe behavior that they can pass on to others.



Security Matrix Management (SMM)

This is a new methodology used and reinforces the culture of safe production by controlling safety reports and occurrences. The project is based on three pillars: cross control of information, deployment, and systematic monitoring of information.

Future career

Klabin's market is growing. This means that people working in this area will have opportunities ahead.

Solidity – Klabin is a company with over a hundred years in the Brazilian market. It is an industry leader, has numerous certifications and recognitions in the market. Even those who have not heard of Klabin have certainly come into contact with some of his products that pack important brands in the country.

Courses and training – The company offers courses for different functions and career stages. The company's professionals are prepared to become better. That makes a big difference. The company contributes to the development of the employee and the employee participates in the development of the company. The Klabin Business School is one of the examples of this practice and supports professional development and training of leaders in the company.

Internal Environment Management – Just as Klabin takes care of the forests, it also preserves the working environment. The company is dedicated to the safety of its processes and the management of the internal climate, so that professionals feel safe and motivated on a daily basis at work.

High performance – leaders are always attentive to the performance of professionals so that the company can maintain a reciprocal relationship with each person. Klabin promotes employee performance evaluations and encourages the definition of indicators and targets for the composition of variable remuneration in eligible positions.

Quality of life – for Klabin, well-being is essential for productivity and quality of life of its employees. For that, the company maintains the Klabin Quality of Life Program (PKQV), coordinated by health and human resources professionals who are part of the Preventive Medicine and Quality of Life Committee. Based on five pillars—preventive medicine, nutritional guidance, physical activity/integration, alternative therapies, and educational activities—, the Program puts into practice actions aimed at achieving a balance between professional and personal life.

Puma Unit





KLABIN AND COMMUNITY

In the communities where it operates, Klabin seeks to engage with stakeholders through knowledge of the territory, establishing guidelines and targets to act on any impacts related to forestry and manufacturing operations and in the development of projects, programs, and actions with a focus on education and local development, according to the platform of the company's social and environmental investment.

Project	Description	Results		
		2018	2019	2020
Caiubi Environmental Education Program	Environmental education program that aims to disseminate concepts of ecological awareness among teachers and municipal school students	282 teachers 14.707 students Telêmaco Borba, Imbaú, Ortigueira, Ventania, Reserva, Tibagi and Tamarana	155 teachers 14.707 students Imbaú, Ortigueira, Tamarana, Telêmaco Borba and Tibagi	160 teachers 11.177 students Telêmaco Borba, Imbaú, Ortigueira and Tamarana
Child Green Force	Developed in partnership with the Environmental Military Police of Paraná, it aims at training of environmental agents to multiply social and environmental concepts. Young people receive theoretical and practical training on nature preservation, environmental legislation, aspects of local fauna and flora, first aid, civics, morals, and ethics.	25 students	Project was not carried out in 2019.	Project was not carried out in 2020

Project	Description	Results		
		2018	2019	2020
Legal Forest Program	<p>Developed in partnership with the Association for the Preservation of the Environment and Life (Apremavi), it promotes rural property planning, conservation, and environmental education actions in the states of Paraná and Santa Catarina. It guides small and medium-sized owners to work more efficiently and with greater profitability, in addition to preserving ecosystems. Producers take courses, joint efforts, lectures, and exchange visits and receive free copies of native plants.</p> <p>The program also encourages forestry with planted forests of pine and eucalyptus, organic agriculture, and ecotourism</p>	<p>55 new owners</p> <p>42.950 seedlings donated 1.702,1 ha APP demarcated</p>	<p>12 new owners</p> <p>23.415 donated seedlings 1.481 ha APP demarcated</p>	<p>28 new owners</p> <p>20.510 seedlings donated 514.1 ha APP demarcated</p>
Social Forest Program	<p>Developed in partnership with Apremavi, Sebrae and Municipal Governments. Social Forests encourages family farming and assists small rural producers in the production stages, from environmental adaptation, with the carrying out of conservation and restoration projects; the sale of products in local markets, including training actions, diversification of ownership and encouragement of associations and collaboration.</p> <p>The program has been running since 2015 in the municipalities of Telêmaco Borba, Ortigueira, Imbaú and Reserva, in Paraná. Since July 2019, it has been expanded to five more municipalities in Paraná, due to the good results achieved: Sapopema, Curiúva, São Jerônimo da Serra, Tibagi e and Cândido de Abreu.</p>	<p>83 properties</p> <p>34.430 seedlings donated 157 ha of APP and RL demarcated</p>	<p>86 properties</p> <p>30.407 seedlings donated 292 ha of APP and RL demarcated</p>	<p>98 properties 28,206 seedlings donated 639.11 ha of APP and RL demarcated</p> <p>Sample analysis with producers from the municipalities of Telêmaco Borba, Ortigueira and Imbaú:</p> <p>72% of farmers recognize the increase in income by up to 60%; 57% increased production of food; 52% expanded their sales network; 80% recognized benefits in environmental aspects.</p>

Project	Description	Results		
		2018	2019	2020
Plant with Klabin	Plant with Klabin is a reformulation of the Forestry Incentive Program, designed for small, medium, and large rural producers. Within the initiative, they are invited to participate in the company's forest expansion process by cultivating pine and eucalyptus on their properties and encouraged to integrate the forest with other activities they carry out on their properties. Plant with Klabin is an excellent option for owners to generate income, complement their productive portfolio and bring new jobs and development to the region	3.249 contracts	2.747 contracts	2.175 contracts
Klabin Program Our Digital Language	It uses new information and communication technologies in educational initiatives aimed at young people between 13 and 18 years old, children of company employees and young people from the community of Telêmaco Borba (PR). Its main objective is to improve oral and written communication skills, dealing with themes such as identity, sexuality, environment, citizenship, and drugs	Telemaco Borba: 273 students Ortigueira: 253 students	Telêmaco Borba: 344 Ortigueira students: 195 students	Program was not carried out in 2020

Project	Description	Results		
		2018	2019	2020
Klabin Program Passo Certo	Founded in 2008, in partnership with Studio 3 Cia. de Dança, Klabin Passo Certo Program is comprised of contemporary dance and capoeira activities for children and teenagers, employees' children aged between 6 and 17 years old, with the main objective of artistic expression and the appreciation of culture and art	Telêmaco Borba: 102 Ortigueira: 109	Telêmaco Borba: 96 Ortigueira: 88	Telêmaco Borba: 84 Ortigueira: 70
Beekeeping Program	Klabin gives away its forests to drive the development of production chains that bring benefits to communities, especially in the generation of complementary income, and to the environment. The initiative is currently being developed in partnership with the Beekeepers Associations of Telêmaco Borba, Ortigueira and Arapoti, in Paraná	53 beekeepers	45 beekeepers	46 beekeepers

Project	Description	Results		
		2018	2019	2020
Klabin's Singing Girls	Formed by girls aged between 7 and 17, employees 'daughters at the Monte Alegre Unit (PR) and young people from the community. The project provides the study of music theory, rhythm and vocal technique, in addition to the development of companionship. These girls have already had the opportunity to perform in several cities in the states of Paraná, São Paulo, and Santa Catarina, to an audience of over 12 thousand people	Telêmaco Borba: 103 Ortigueira: 98	Telêmaco Borba: 99 schoolgirls Ortigueira students: 85 schoolgirls	Telemaco Borba: 66 schoolgirls Ortigueira: 62 schoolgirls
Decolar Project	Everyone on the safety route: started in 2013, seeks to spread the safety culture in the neighborhoods around the Monte Alegre Airport, in Telêmaco Borba (PR). Students aged between 7 and 10 years are advised to disclose information about safety to family members, neighbors and other people in the community to behave appropriately, avoiding crossings in the airport area and respecting the heritage	804 students	831 students	Project was not carried out in 2020

Project	Description	Results		
		2018	2019	2020
Klabin Passo Certo Program for Women	It aims to provide moments of socialization of art and culture through Contemporary Dance, promoting a renewal in the minds and physiques of the participants through expressions that portray people's daily lives and feelings, using different concepts, dynamics, and composers	25 schoolgirls	16 schoolgirls	12 schoolgirls
Volunteering: Terra Viva Klabin Volunteer Association	The non-profit organization Terra Viva Klabin Volunteers Association was created in 2003 and since then, it has been organizing and promoting citizenship and solidarity actions with the support of employees and their families. Projects can be one-off, such as collecting clothing, food, milk, blood donation and other actions related to commemorative or educational dates, as an example of orientation in the search for a first job and technical and creative classes, such as guitar, language, computer courses, etc. The audiences served are diverse: children and young people at social risk or with physical disabilities and elderly people.	74 volunteers	80 volunteers	77 volunteers

Project	Description	Results		
		2018	2019	2020
Grow up Reading	In partnership with the United Way Brazil organization and the Avisa Lá Institute, the initiative promoted the training of professionals in Early Childhood Education and the installation of children's libraries in municipal schools where Klabin's production units in Brazil are located	8 corners (Paranaguá, São Jerônimo da Serra, Ventania and Rio Negro, 2 corners per municipality) 600 children impacted 68 professionals trained	Not carried out in 2019	Not carried out in 2020
Klabin Semeando Educação Program	The Klabin Semeando Educação Program works to improve the management of public resources allocated to education, with an emphasis on results, seeking a balance between school management, infrastructure, resources, and pedagogical practices. The main objective is to improve the results of official indices, such as the IDEB (Basic Education Development Index) It is held in Paraná, in the municipalities of Telêmaco Borba, Ortigueira and Imbaú.	31 state schools in Telêmaco Borba, Ortigueira and Imbaú 10,800 children impacted	Telêmaco Borba: 96 Ortigueira: 88	65 schools 2,000 teachers 11,000 students

Project	Description	Results		
		2018	2019	2020
Volleyball in Recife	The Network Volleyball project – Núcleos Paraná, promoted by the Sharing Institute, has as its main objective to teach volleyball in a playful way for children and teenagers from 9 to 15 years old in public schools, including essential values for the formation of each one of them. The project takes place in the municipalities of Telêmaco Borba and Ortigueira	Together with the other partners of the Volley in Network project - Paraná Centers, it helped the Share Institute in serving 1,515 students in the 17 nuclei of the project, 120 children being specifically in the Ortigueira and Telêmaco Borba Centers. Between the two years, a total of just over 3,000 children and teenagers who had the opportunity of practicing sports with the Share Methodology of Initiation to Volleyball that unites the learning of volleyball with the experience of values for life	In the first two months of 2019, the Nucleus of Ortigueira held a lecture on the topic of pedophilia and the Telêmaco Borba Center spoke about the topic of bullying. The Volleyball Festival between Schools of the Telêmaco Borba Center was also held. The event was carried out in partnership with the City Hall and the city's private schools. In addition to the games, teachers and students from all schools participated in a workshop promoted by the psychology students of FATEB with a preventive approach on the theme of mental health and suicide. To close the year, the Partners Festival was held in October, which brought together all students from the Central Nucleus to present the project to all partners.	Project was not carried out in 2020
Support to Public Management	The Public Management Support program proposes to provide city halls with modern management processes and tools, capable of supporting planned and participatory development. For this, city halls rely on specialized technical support from Urban Interaction, a consultancy specializing in public management, for the technical preparation of programs, actions, goals, indicators, and budget, as well as to prepare their Multi-Year Plan, making the projects and the result indicators. It is held in the municipalities of Telêmaco Borba, Ortigueira, Imbaú, Tibagi, Reserva, Curiúva, Sapopema, Ventania, Rio Negro and Paranaguá, in PR. Otacílio Costa, Correia Pinto and Lages, in SC. Angatuba SP and Goiana PE.	Monitoring the execution of the actions planned in the Multi-Year Plans of Telêmaco Borba, Ortigueira and Imbaú	In addition to monitoring the action plans, new municipalities were added, namely: Reserva, Sapopema, Curiúva and Tibagi.	In 2020, Klabin mobilized to help municipalities fight the pandemic. One of them was mentoring in the area of public health, a service carried out with the Health Departments of 12 municipalities.

Project	Description	Results		
		2018	2019	2020
Enterprising territory	It aimed at entrepreneurs and new entrepreneurs from Telêmaco Borba, Imbaú and Ortigueira, in Paraná, the program, in partnership with SEBRAE, is part of the Puma II Project actions and its goal is to strengthen entrepreneurship in the face of new and constant opportunities generated in the region, including those that are the result of Klabin's operations.	-	-	Four events: presentation of the project to the community; Digital Retail, to help companies expand their presence in digital channels; InovaTur, aimed at tourism, focused on hotels, restaurants, and bars; and the Entrepreneur Circuit, aimed at those who wish to have their own business
Solid Waste Program	Klabin's Solid Waste Program, developed with the Caminhos do Tibagi Intermunicipal Consortium since 2012, has promoted several actions to support selective collection in seven municipalities in the Campos Gerais region, in Paraná: Imbaú, Ortigueira, Reserva, Tamarana, Tibagi, Telêmaco Borba and Rio Branco do Ivaí. It includes the provision of structures and equipment, assistance in the formalization of associations and cooperatives and follow-up activities, training, and institutional strengthening for recyclable material collectors.	-	-	165 collectors, of these 150 in Paraná. In 2020, we hired a socio-environmental consultancy to support us in managing, executing, and monitoring the Program.
Artistic Gymnastics Telêmaco Borba	The Dedication and talent of the athletes at the Artistic Gymnastics Training Center (CTGA), in Telêmaco Borba, are highlighted in competitions throughout Brazil. The sport has been taught for nine years through a partnership between Klabin and the Municipality of Telêmaco Borba and ensures the development of the sport, contributing positively to the physical and cultural development of young people in the region.	-	-	100 girls between 5 and 14 years old.
Encantos do Imbaú	It is a socio-educational project carried out in partnership with the Service for Coexistence and Strengthening Bonds (Contraturno) in the municipality of Imbaú. With lessons in guitar, keyboard, recorder, singing and music theory.	-	150 children and teenagers	Classes held in online format.
Two Steps to Change Ortigueira	Since 2015, Klabin has supported the MuDança Project in the House of Children and Adolescents Fr. Lívio Donati de Ortigueira, where he has been working in an educational way, focusing on the individual's global development, as it is with dance that children and adolescents are learning to face the difficulties that life presents them, not to mention development motor, reasoning, coordination, rhythm, balance, endurance, persistence, alignment, discipline, self-confidence, and self-care.	-	100 children and teens from 6 to 17 years old	Project was not carried out in 2020

Picture: Klabin's Collection



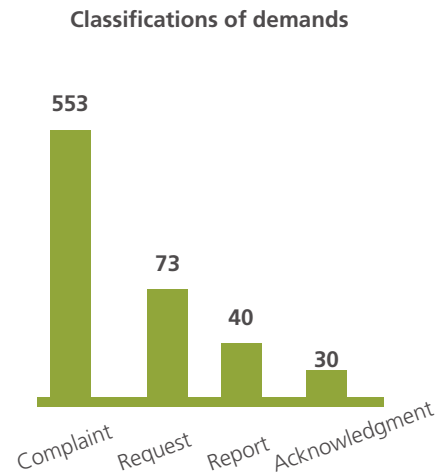
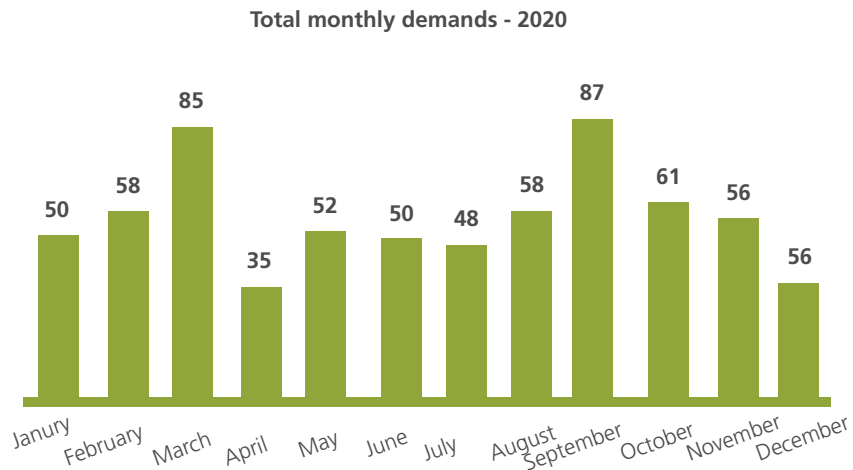


CHANNELS OF DIALOGUE

In order to strengthen the relationship of transparency and expand communication with communities and stakeholders, Klabin maintains Talk to Klabin, a set of communication channels, some of which are available 24 hours a day, seven days a week, as per table below.

Communication Channels	Description
Site	Virtual space where the public can access company information, such as its history, products, social and environmental programs, environmental practices, business, financial and sustainability reports, news, human resources, among many others.
Speeches	Participation in several events in the community and institutions on topics such as: environment, technology, research and development, human resources, among others. It is an opportunity for the public involved to learn about the company's practices and have the opportunity to question the topics presented.
Meetings	Meetings with communities in order to establish a collective and transparent dialogue on matters involving the company's operations.
Press	Proactive and reactive work, providing information, releases and granting interviews to journalists on various topics related to the company.
Advertisement	Newspaper and radio broadcasts on institutional, relationship and awareness issues. Ads are usually run-on commemorative dates.
Campaigns	Use of folders, banners, banners, leaflets, meetings, lectures, murals, posters, etc. to address topics of interest. Campaigns can have an informative, institutional, motivational, awareness-raising or integration character.
E-mail	Through Klabin's electronic addresses, the public has the opportunity to establish a relationship with the company, send complaints, make requests and ask questions. <i>faleklabinpr@klabin.com.br</i>
Talk to Klabin (0800)	The number 0800 728 0607 is a communication channel where the community can express itself, make complaints, suggestions, criticisms, or requests. With 24-hour service, it is widely publicized to the community through leaflets and posters, as well as identified in all vehicles of the forest operation's own fleet and third parties.

The company has been, year after year, increasing the dissemination of these channels, mainly in order to anticipate preventive actions related to impacts and changes in the daily lives of communities. In 2020, as shown in the chart below, we continued to receive thanks, requests (donations), complaints, complaints reports and questions related to operational processes.



Relationship with Traditional Communities: Klabin identifies and establishes measures to preserve the customary rights of traditional Communities (quilombolas, indigenous peoples and faxinalenses), located close to its forest management areas.

KLABIN AND ITS ENVIRONMENT

The concern with preserving the environment has guided the company's actions since its foundation, both in industrial activities and in forest management activities. This follows the mosaic concept, with pine and eucalyptus plantations interspersed with areas of native forests, preserving fauna and flora.

Forest Areas

In Paraná, Klabin's area represents the largest green spot in southern Brazil, easily identifiable in satellite photos. Planted forests have made important contributions to the preservation of the environment, the protection of biodiversity and the maintenance of water sources.

High AAVC Conservation Value Areas:

Areas that have one or more of the following characteristics:

- HCV*1: significant concentration of biodiversity values at the global, regional, or national level;
- HCV 2: large landscape-level areas of global, regional, or national significance where viable populations of most or all natural species occur in natural patterns of distribution and abundance;
- HCV 3: areas located within or containing rare, threatened or endangered ecosystems;
- HCV 4: areas that provide basic environmental services in critical situations;
- HCV 5: essential areas to meet the basic needs of local communities;
- HCV 6: critical areas for the traditional cultural identity of communities.

After studies carried out by the company and hiring a consultancy, Klabin identified in some specific locations, within its properties in Paraná, attributes that meet some items of this definition, as shown in the table below:

AAVC	AVC Identified	Justification	Year of Creation
Varanal	1, 2, 3, 4	Primary forest, with an extension of thousands of hectares, with a crucial role in providing genetic connectivity between the various existing fragments.	2008
Taboal do Mauá	1, 3, 4	Presence of <i>Dendropsophus anceps</i> ("zebra frog").	2008
Invernadinha	1, 3, 4	Presence of endangered species in representative remnants.	2010
Socimbra	1, 3, 4	Presence of endangered species.	2010
Bacia Hidrográfica Três Bocas	4	Production of water in adequate quantity and quality for public supply in the municipality of Jaguariaíva.	2018

Social AAVC	AVC Identified	Justification	Year of Creation
Colônia Augusta Vitória (Ortigueira)	6	Cemetery with cultural connection in the community.	2014
Serra da Mesa (Cândido de Abreu)	6	Cemetery with cultural connection in the community.	2014
Cachoeirão (Tibagi)	6	Cemetery with cultural connection in the community.	2014
Conceição (Tibagi)	6	Cemetery with cultural connection in the community.	2014
Faxinal de São Pedro (Imbaú)	6	Cemetery with cultural connection in the community.	2014

All areas of High Conservation Value identified in the environmental attributes have periodic surveys of fauna (birds, mammals and reptiles – the latter specific to the Taboal do Mauá HCV) and flora, in addition to protection and monitoring measures for all HCVs (environmental and social attributes), such as heritage surveillance, control of invasive alien species and prevention and combat of forest fires. The four already consolidated AAVCs, which have measures to protect and mitigate impacts to maintain their attributes, are presented on the next pages.

Varanal

Consolidated in 2008, the Varanal area, with 4,523 ha, is located within Klabin's Ecological Park. Its choice is justified because it is formed by primary forest, with an extension of thousands of hectares and crucial role in providing genetic connectivity between the various existing fragments.



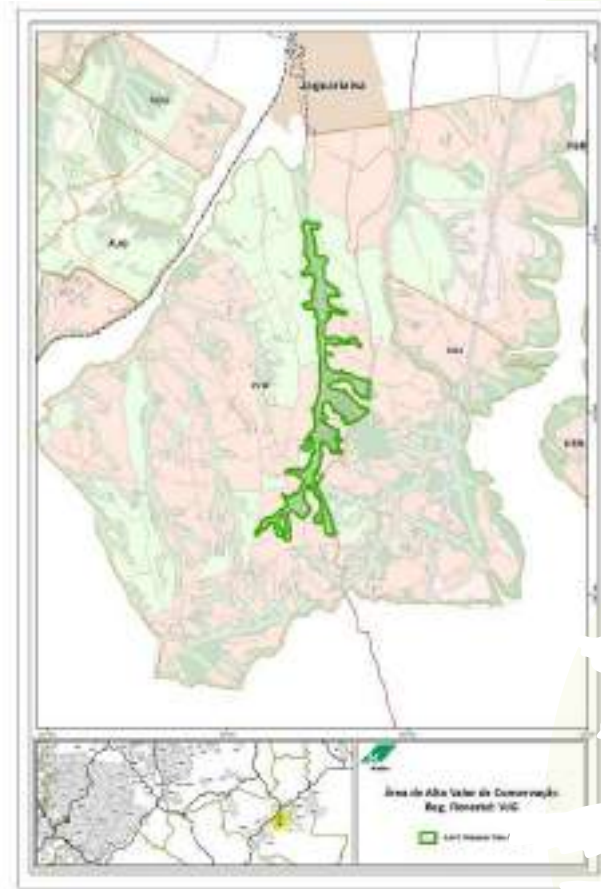
Taboal do Mauá

Consolidated in 2008, Taboal do Mauá is an area of about 2.6 hectares located on the right bank of the Mauá internal road. Your choice is justified by the presence of the zebra frog (*Dendropsophus anceps*), amphibian species that, in 2008, was threatened with extinction in Paraná in the Critically Endangered category. Aiming at the conservation of this species, as a conservation measure, population monitoring is carried out at AAVC Taboal, maintaining the protection and isolation of the area, avoiding impacts on this population.



Três Bocas Hydrographic Basin

Consolidated in the first half of 2018, the 489.9-hectare area is located in the municipality of Jaguariáiva. This area is so important to produce water in adequate quantity and quality for the public supply of the municipality in which it is located. In addition, the combination of plant physiognomies results in great biodiversity, including endangered species.



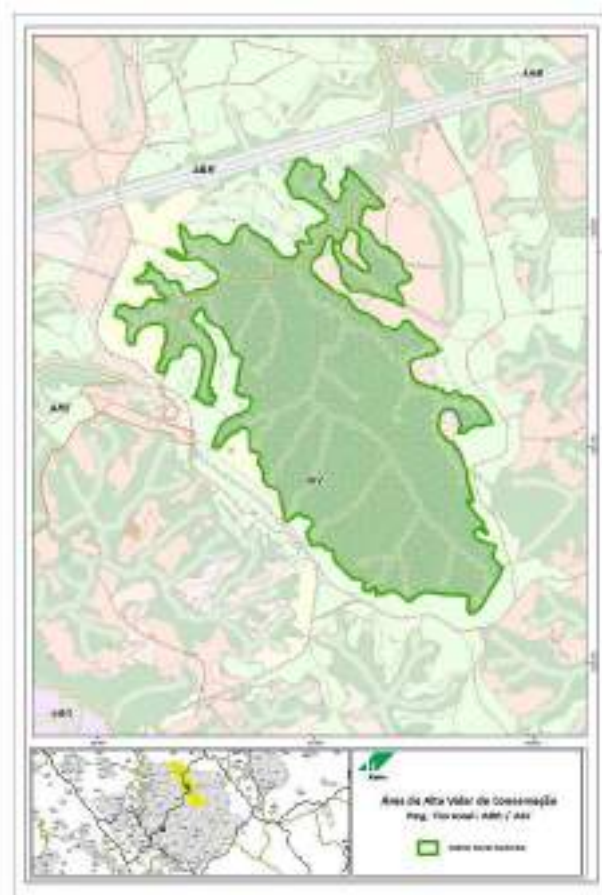
Socimbra

Consolidated in the first half of 2010, the area with 469.65 hectares is located within RPPN Monte Alegre, in the Socimbra forest region. It was chosen because of the presence of endangered species.



Invernadinha

Consolidated in the first half of 2010, the area with about 639.15 hectares is located in the forest region Invernadinha. It highlights the presence of endangered species with extinction in representative remnants.







Klabin Herbarium

The Herbarium was created on October 17, 2002, with the objective of contemplating the appreciation of the diversity of botanical species occurring on the Monte Alegre Farm and studying the anatomical morphic characteristics of some species of interest, as well as becoming a reference center in regional botany and faithful depositary of the Brazilian genetic heritage.

The task carried out at the herbarium is performed in partnership with the State University of Maringá and has provided for the exchange of information between herbaria enabling greater dissemination of the activity in scientific circles and, thus, giving the Klabin Herbarium greater credibility.

Phytotherapy

Created in 1984, Klabin's Phytotherapy Program seeks the sustainable use of biodiversity, combining environmental

preservation with social responsibility.

The project is based on the use of species from the native forest for the composition of herbal products intended mainly for employees mainly. The Program was the first in the world, related to the management of non-timber forest products, certified by the Forest Stewardship Council® (FSC®), in 1999. The local flora collection currently counts 2,249 taxonomically confirmed species, of which 1,078 correspond to collections carried out at the Monte Alegre Farm, encompassing 150 botanical families present, with 11 families with the largest number of specimens standing out. In the current collection, the species can be classified in 628 arboreal, 939 shrubs, 682 herbaceous plants and the rest under review. The origin of the exsiccates comes from various regions of the Monte Alegre Farm, from Telêmaco Borba and cities in Paraná, in addition to other states in Brazil, the latter with some not very expressive contributions. In percentage terms, it corresponds to 96% of the flora of the State of Paraná, with 76% corresponding to the city from Telemaco Borba, 19% to Maringá and 5% to other cities. Of the exsiccates collected in Telêmaco Borba, 93% are from Monte Alegre Farm and 7% from other places in the municipality.

KLABIN ECOLOGICAL PARK

Created and maintained by Klabin in 1979, the Klabin Ecological Park (PEK) is located within an area of 9,852 hectares, of which 91% are native forests. This space began with the objective of “protecting exceptional attributes of nature, reconciling the full protection of flora, fauna, natural beauty, and springs. Admitting to scientific and educational activities within the area” and with passing was improving and increasing its lines of action.

Currently, the objective of PEK is to promote the conservation of biodiversity, the maintenance and rehabilitation of wild animals, the preservation of endangered species, the development of scientific research and support for environmental education programs.

KLABIN ECO PARK ACTIVITIES

This Park has a space called the “Circuit of Biodiversity”, where 180 animals of 50 different species are kept (13 species threatened with extinction at state level), in enclosures that reproduce their natural habitats, ensuring a better quality of life for each individual. An “Ecological Trail” in the middle of the native forest where the visitor can get in direct contact with the natural environment and the “Nature Interpretation Center” focused on environmental education, containing interactive and educational stations with themes related to the environment, sustainability and biodiversity of the region.

The space also has a Wild Animal Rehabilitation Center, inpatient areas, a veterinary clinic, a kitchen to prepare food for animals, an administrative office and accommodation for researchers.

RPPN

A Private Natural Heritage Reserve (RPPN) is a permanent conservation unit provided for by law, created in private areas with the objective of contributing to the sustainable management of native forests and maintenance of biodiversity. Klabin currently maintains two RPPNs. One of the Private Natural Heritage Reserves (RPPN) is located within the Monte Alegre Farm, in an area of 3,852 hectares. All information about the characteristics of the area, as well as the strategy for the conservation of the attributes of the RPPN, are described in the Management Plan. The area was created in 1998 by Ordinance 182 of the Environmental Institute of Paraná (IAP) and registered in perpetuity.



Flora Monitoring

The Monte Alegre Farm is located in a region of the State of Paraná where the predominant vegetation cover is classified as Mixed Ombrophilous Forest, complemented by Semideciduous Seasonal Forest and Natural Fields.

Kind of vegetation	Amount of species	Species Endangered IUCN (CR, EN, VU)	Species with recognized conservation status (IUCN CR, EN, VU, NT, LC)
Trees / Shrubs	714 species	22	330
Herbáceas	318 species	13	32
Epiphytes/Lianas/Climbers	181 species	4	14
TOTAL	1.213 species	39 endangered species	376 endangered species

CR: critically endangered; EN: in danger; VU: vulnerable; NT: almost threatened; LC: of little concern.

Fauna Monitoring

Constant studies are carried out to update the database of animals already found in the company's areas. Among vertebrates, the classes of birds and mammals (in the latter, the large mammals) are well known. Data on amphibians come from studies carried out since 1999. See the results found so far in the next table:

Kind of vegetation	Amount of species	Species Endangered IUCN (CR, EN, VU)	Species with recognized conservation status (IUCN CR, EN, VU, NT, LC)
Amphibians	42 species	0	41
Birds	450 species	34	450
Invertebrates	31 species	0	0
Mammals	127 species	27	124
Fish	57 species	6	14
Reptiles	39 species	0	34
TOTAL:	746 species	67 endangered species	663 endangered species

CR: critically endangered; ID: in danger; VU: vulnerable; AT: almost threatened; LC: of little concern.

From the species sampled, several are on the Official List of Brazilian Species Endangered with Extinction, released by the Ministry of the Environment (MMA) in 2014, in the Red Book of Endangered Fauna in the State of Paraná, released by the Environmental Institute of Paraná (IAP) in 2004, in addition to the International Union for the Conservation of Nature and Natural Resources (IUCN) 2020 lists. The number of species registered places Monte Alegre Farm and Klabin's areas as one of the most important regions of the State of Paraná in terms of biodiversity.

Picture: Klabin's Collection



SOCIO-ENVIRONMENTAL INDICATORS

The Social and Environmental Indicators are established in accordance with Klabin's sustainability policy, and the social and environmental strategy designed by the Sustainability and Environment area. They are monitored according to their economic, environmental and social performance, shown in the table on the next page.

TECHNICAL AND ECONOMIC MONITORING

ECONOMIC INDICATORS					
Monitoring	Indicator	Results			
		2018	2019	2020	
				Result	Follow-up of the target
Monitoring of Forest Heritage (in hectares)	Area burned in forest fires	105,6	691,21	859,6	😊
Harvested products (in tons)	Araucaria timber production for sawmill	-	-	-	😊
	Pine timber production for pulp	2.503.188	3.769.925,47	3.658.259,65	😊
	Pine timber production for sawmill	1.597.188	1.021.097,07	807.086,03	😊
	Eucalyptus timber production for pulp	5.650.644	5.818.587,7	5.768.385,30	😊
	Eucalyptus timber production for sawmill	560.604	243.982,55	257.160,67	😊
	Production of timber for energy (pine and eucalyptus)	588.401	415.589,67	328.380,00	😊
Forest growth rates	Average Annual Increment (IMA)	As a result of the Forest Management and the Genetic Improvement Program carried out, the IMA of forests has been growing on average 2% per year for pine and 2.5% per year for eucalyptus, since 1970.			
Monitoring of chemicals*	Herbicide consumption in the forestry area – Kg/ha	0,12	0,17	0,23	😊
	Herbicide consumption in the forestry area – Kg/ha	0,55	1,44	0,73	
	Anticide consumption - kg/ha	2,57	2,57	3,03	😊

TECHNICAL AND ECONOMIC MONITORING

SOCIO-ENVIRONMENTAL INDICATORS

Monitoring	IndicaTor	Results			
		2018	2019	2020	
				Result	Result Follow-up
Biodiversity	No. of fauna species	743	733	746	😊
Endangered species	No. of flora species	1.168	1.121	1.213	😊
	Number of flora/fauna species with recognized conservation status	724	792	1.039*	😊

*Increase in the total value resulting from the update of the IUCN list for flora.

NON-TIMBER FOREST PRODUCTS

SOCIO-ENVIRONMENTAL INDICATORS

Monitoring	Indicator	Results			
		2018	2019	2020	
				Result	Target Follow-up
Harvested Products (in kilos)	Production of certified pure raw material	306	3.497	122	😊

SOCIAL MONITORING

SOCIO-ENVIRONMENTAL INDICATORS

Monitoring	Indicator	Results			
		2018	2019	2020	
				Result	Target Follow-up
Jobs generated	Number of employees (Klabin SA)	2.252	2.034	1.831	😊
	Number of employees (Klabin SA Florestal)	1.295	879	1.304	😊
	Number of employees (third parties)	2.089	2.429	3.058	😊
Employee's health and safety	No. of Work Accidents (Klabin Florestal)	As a result of the Klabin Program for Excellence in Occupational Health and Safety			
		116	89	80	😊
Employee training	Training hours	105.415	102.618	64.279,91	😊
Community interaction	KLABIN ECOLOGICAL PARK	Fechado	Fechado	Fechado	😊
	No. of forestry development contracts	3.249	2.747	2.175	😊
	Number of visitors served	1.510	1.287	16	😊
Anthropogenic Monitoring	Number of meetings for discussions on IDA2 socioeconomic indicators	03	08	08	😊
Klabin Research in Communities	Percentage of acceptance of communities *	79,5%	64%	83,8%	😊

1. Until 2016, regarding the number of forestry development contracts, the information obtained was from historical records. As of 2017, active contracts are considered.

2. AID-Area of Direct Influence-Telêmaco Borba, Imbaú and Ortigueira. *This percentage is formed by the average of the following indicators: economic development, employment, perception of impacts, image, environmental preservation, commitment, business, and social encouragement.





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RESUMO

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