



2019 WAS A YEAR OF TRANSITION. THE UFRJ SCIENCE PARK EXPERIENCED SOME OF THE EFFECTS ASSOCIATED WITH CHANGES IN GOVERNMENT AND THE INTENSIFICATION OF THE ECONOMIC CRISIS IN BRAZIL, IN ADDITION TO MY MANAGEMENT HAVING TAKEN PLACE UNTIL THE MONTH OF SEPTEMBER.

In spite of this, it can be said that we have advanced in terms of collection due to the increase in the number of resident companies. Financial sustainability allowed us to avoid having to readjust the amounts charged for occupying the Park's physical space.

The biggest challenge we had, without a doubt, was the process of transition from the administration of the UFRJ Biotechnology Pole to the Park. Since February 1, it has been managed by us, on a transitional basis, and in this way companies resident in the area have access to some operational services and interaction activities with the University. In May 2018, the agreement of Bio-Rio foundation, former manager of the Pole, with UFRJ had its term ended. With the decision of UFRJ to assume the administration of the area, a continuous transition process began, with an indefinite duration, in order to structure processes and services similar to those in force and offered by the UFRJ Science Park in the areas it administers.



To accomplish this mission, investments were necessary, reorganization of activities and distribution of people, in addition to aligning our pre-existing administrative routine so that we could assimilate and conduct this challenge. As an example of an action promoted by the Park, Fiocruz presented in May, the INOVA Program. On the occasion, the vice president of production and health innovation at Fiocruz, Marco Krieger, presented the program to the Polo companies and presented the program for Polo companies and spoke about the support policy of the institution for innovative projects. After the presentation, the 10

companies carried out a round of pitches to present their business, technologies and skills.

We have been through a difficult year in many ways, but I can see the Park's evolution even in this scenario. With regard to environmental sustainability, we held the Environment Week, the replanting of the community garden and we had the UFRJ Agroecological Fair in our space every Thursday, all projects that make up the Parque Verde Program. We managed to hit the financial sustainability goals and advance the final objectives of the Parque project in the context of the Federal University of Rio de Janeiro. There is still a long way to go, but my farewell to the Park left the taste of accomplishment.

José Carlos Pinto former CEO of UFRJ Park







MY ARRIVAL AT THE PARK TOOK PLACE IN THE LAST QUARTER OF THE YEAR AND, BEFORE ANYTHING ELSE, I MUST REGISTER THE KINDNESS WITH WHICH JOSÉ CARLOS PINTO LED THE TRANSITION. I ALSO NEED TO HIGHLIGHT HOW MUCH THE TEAM WAS (AND CONTINUES TO BE) REQUESTING AND PATIENT IN MAKING ME LEARN ABOUT THE PARK AND GET TO KNOW THIS PROJECT THAT WE ARE SO PROUD OF.

As in any other reality in the circumstances in which our country lives, the biggest challenge is to maintain the financial sustainability of the project. For this, in addition to strict control over current expenses and the careful selection of investments, we need to be a service that makes sense for the organizations we connect: universities, companies, government and society. The way the Park generates and demonstrates value for its stakeholders should guide our steps. The commitment to each stakeholder in the project, focusing on its results, must be pursued.

Under the Team management aspect, the focus is to increase their integration seeking greater alignment and productivity. In this sense, in 2019 we started a weekly training program where one of the 52 members of the Team makes a presentation to the others on a topic of their free choice.

This program encourages the exchange of knowledge and, consequently, strengthens integration. In addition, having all the Team members meeting once a week has generated a more effective communication between managers and employees, which has allowed everyone to learn about the challenges that the Park faces and collaborate to overcome them. Another important aspect is the opportunity for employees to get to know each other better and thus also get to know better what the Park is, what it is for, what its objectives are.

In this way, they become aware of the relevance of their contributions to the success of the Organization where they work and start to be proud of what they help to build every day. All Team members must be able to talk about the Park in any environment they attend.

UNDER THE TEAM MANAGEMENT ASPECT,
THE FOCUS IS TO INCREASE THEIR
INTEGRATION SEEKING GREATER ALIGNMENT
AND PRODUCTIVITY.









FOR THOSE WHO SEEK TO PROMOTE
COOPERATION AND FORM
PARTNERSHIPS, TRANSPARENCY IS
KEY. THUS, COMMUNICATING CLEARLY
AND ASSERTIVELY WHAT THE PARK
DOES IS AN ONGOING PROCESS THAT
REQUIRES TOTAL ATTENTION.

This communication must be effective with all audiences, under penalty of not being able to take advantage of its potential to contribute to the continuous improvement of our activities. But transparency cannot do without a culture where the identification of an error is seen as an opportunity for learning and improvement, that is, something to be used as a way to evolve. This report (GRI) plays a very important role in expanding our transparency, so much so that, I believe, we will assume the goal of making it continuous, that is, permanently updated, built in a collaborative way and capable of providing all relevant information about the park.





I can say that my first quarter in the Park was an intense learning experience. Some premises that we had, did not materialize – such as the continuity of activities in the area of the Biotechnology Pole as it was planned – but even this made us look for alternative solutions and adapt to new challenges. Since that moment, having the support of UFRJ's Senior Management, directly in the person of the Magnificent Rector and the Excellent Vice–Rector, has given us a strong spirit and helped to overcome our natural frustration.

As I wrote, the transition in the management of the Park took place smoothly and, in fact, I do not identify any radical changes to be made.

MY EXPECTATION IS THAT THE PARK WILL
CONTINUE TO EVOLVE AND FULFILL ITS
ROLE IN THE INTEGRATION OF UFRJ'S
INNOVATION ECOSYSTEM AND THE EXTERNAL
ENVIRONMENT.



Thus, the Park will reinforce its role as a showcase for the sensational things that our University produces in research and innovation. Likewise, I realize that environmental sustainability is a concept already inserted within the Park, that is, it is a mandatory minimum criterion for any decision making: if it is not sustainable, if it has a bad impact in terms of sustainability, the option is discarded.

Therefore, the Park won 2019 and entered 2020 where we are facing new and unexpected challenges. But about these challenges and how we react to them, we will talk about in the next report.

Thank you very much,

Vicente Ferreira

CEO of UFRJ Science Park



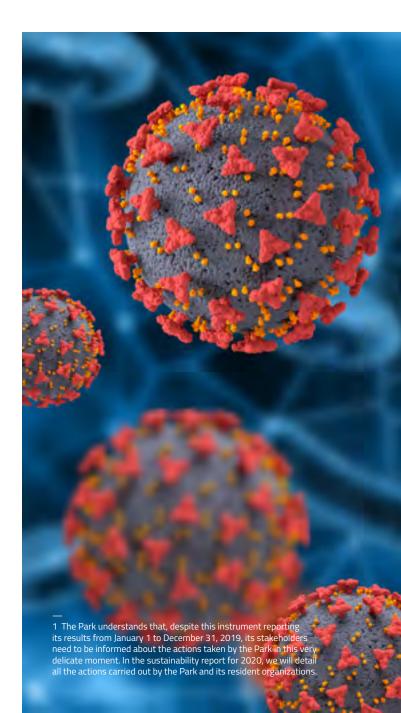
SCIENCE PARK PERFORMANCE IN THE COVID-19 PANDEMIC

The UFRJ Science Park understands that the current moment is of great social, economic and environmental stability. To compress its mission of strengthening the innovation capacity of the UFRJ innovation ecosystem, for the creation of wealth and well-being of society in an environment of connections between entrepreneurial initiatives and knowledge generation, it is only possible from personnel. Therefore, in order to reduce the impacts of the pandemic, the containment and spread of the virus and thinking about the well-being of its community, the Park adopted the following measures¹:

- Maintenance of employees' jobs;
- Adoption of the Home Office modality for 100% of its direct employees whose activities are subject to remote execution;
- Development of a contingency and risk mitigation plan for the preservation of health and operational continuity of field teams focused on maintaining infrastructure, cleaning and access to buildings;

- Adoption of safety and welfare measures for all users of the Park;
- Reduction in operating costs and, consequently, in the service fee for resident companies by up to 27.5%;
- Hiring of PPE from surrounding communities following good hiring practices for public agencies;
- Adoption of an investment plan, contributing to the dynamism of our supply chain; and
- Review of the Park's strategies to deal with the post-pandemic period.

It is worth mentioning that the Park is supporting both the university and donations from its resident organizations to society in facing Covid-19.



HOW TO READ THE PARK SUSTAINABILITY REPORT

This publication complies with the principles of transparency and good practices of the UFRJ Science Park (GRI 102-1) with regard to sustainability and presents the main highlights and indicators of the organization's economic, financial, social and environmental performance in the period from January to December 31, 2019 (GRI 102-50),

Since 2015, the sustainability report has been published annually **(GRI 102-52)**. In 2019, this report was prepared in accordance with the GRI Standards: Essential Option **(GRI 102-54)**.

The information presented refers essentially to the management of the UFRJ Science Park - the headquarters of the Park and the Biotechnology Pole unit. Whenever possible, the results of the innovation environments - organizations and resident laboratories - that make up the Park, are included.

For the preparation of this report², the mapping of the interested parties and the engagement of these audiences were carried out to obtain our material topics, reflecting the significant economic, environmental and social impacts inside and outside the organization.

THE LAST PUBLICATION OF THE REPORT (SUSTAINABILITY REPORT 2018 - FOR THE PERIOD FROM JANUARY 1 TO DECEMBER 31, 2018) TOOK PLACE IN JULY 2019 (GRI 102-51).

² To learn more about the Park's stakeholders, engagement and consultation and obtaining the materiality matrix, visit: https://www.parque.ufrj.br/wp-content/uploads/2019/08/12.-Sobre-o-Relatorio.pdf, pages 139, 140, 141 and 142 (GRI 102-40, 102-42, 102-43, 102-44, 102-47).



The nine material topics that guide this publication are:







To find out more about the Park's stakeholders, engagement and consultation and obtaining the materiality matrix, acess here (pages 139, 140, 141 and 142) (GRI 102-40, 102-42, 102-43, 102-44, 102-47).

To facilitate the identification of material topics throughout the report, we will use these symbols to signal actions, activities, projects and / or programs that respond to them.

In this report, we will also see the icons of each Sustainable Development Objective (SDG) of the United Nations (UN) alongside the report of each action, project and programs that we develop and to which we intend to contribute. For 2020, we will start aligning the Park's strategy with the <u>SDG</u>³.

More information, criticism, suggestions, comments or doubts regarding the content of this report, can be directed, by e-mail, to the address <u>sustentabilidade@parque.ufrj.br</u> (GRI 102-53).

³ In 2017, the UFRJ Science Park approved its Sustainability on the Board of Directors. It committed itself to the sustainable development, to be aligned with the best practices international sustainability initiatives and to engage their stakeholders interest, observing the guidelines contained in the 2030 agenda for the Sustainable Development promoted by the UN, through the Objectives Sustainable Development - SDG. Since then, the Park has been doing the exercise of aligning their actions, projects and programs with the SDGs.







350.000 m²

73.660,77 m² of green area





20 VISITORS GROUPS

17 Brazilian Visitors Groups

3 International Visitors Groups

Cooperation



R\$ 7.206.349,02

In investment made in cooperation between companies and universities in values

R\$ 1.876.752,63

Invested in R&D at the Universit in interaction with the companies in the Park

centers

11 departments

Involved in the cooperation projects between the companies of the Park and UFRJ

72

Events for integration of companies



Intellectual property deposits



Projects contracted as cooperation with UFRJ



R\$ 6.924.055,94

Generated resources for UFRJ from the concession of land in the Park *

Jobs



1.263

Professionals employed in the Park

153 professional internship

162 masters

130 doctors

502 graduates

Accumulated 2003-2019

R\$ 235.412.698,04

INVESTED IN COOPERATION BETWEEN COMPANIES
AND UNIVERSITIES IN CONTRACTED VALUES

208 Intellectual property deposits

R\$ 44.630.276,71

Generated resources for UFRJ from the concession of land in the Park *

R\$ 900.000.000,00

Invested by companies in the creation, generation and operation of the research centers installed in the Park (Value accumulated since the inauguration of the Park)

^{*} We do not have updated information on the value of the concession for use of large companies paid directly to UFRJ. For updating purposes, we use the IGP-M index accumulated at the end of each year, according to the contractual provision.



EXECUTIVE SUMMARY

This Sustainability Report presents the main indicators of economic, financial, social and environmental performance of the organization from January 1 to December 31, 2019.

Aiming at alignment with the best international practices in terms of sustainability, the report follows the guidelines Global Reporting Initiative (GRI) Essential Version (GRI 102-54).

In the "Who We Are" section, the organization is presented as an innovation environment whose mission is to strengthen the ecosystem's innovation capacity for the creation of wealth and well-being of society. It presents an overview of the physical and operational infrastructure, the services offered, aspects related to people management, ecoefficiency management, transparency and integrity, in addition to financial performance, including information about the UFRJ Biotechnology Pole.

In The "Park And Local Development" section, the main results are presented, with a focus on the integration between companies and universities. It presents projects such as the Academic Doctorate for Innovation Program (ADI UFRJ Program), the Affirmative Action Scholarship Program, support for the entrepreneurial student movements at UFRJ,

social investment in projects of interest to UFRJ by the Park, generation of jobs, sector diversification and institutional representativeness.

However, the highlight is due to the intense relationship between academic areas and companies that, through 135 cooperation projects, contracted R \$ 7,206,349.02 in cooperation projects with UFRJ.

The "Park And The Future" section presents a series of projects in the development phase, all with the objective of contributing to the execution of the organization's Strategic Planning. Examples of these actions are: Research project and extension of circular economy of solid waste at the UFRJ Science Park; Center of Excellence in Digital Transformation and Artificial Intelligence of the State of Rio de Janeiro - HUB.Rio; Immersion Park; Living Lab Rio; Air Center - Atlantic International Research Center; Living Bay; Requalification of the edge of the Bay of the University City and Innovation Center.

Finally, the reader will have access to a set of attached information, from which he can go deeper into the financial structure of the UFRJ Science Park.

We wish you all a good reading.







WHO WE ARE

The UFRJ Science Park - PTEC-UFRJ is an environment of innovation and entrepreneurship within the Federal University of Rio de Janeiro - UFRJ (GRI 102-3) that promotes the interaction between UFRJ - students and technical-academic staff - and organizations residents, transforming knowledge into jobs and income, also offering innovative products and services to society.

The Park monitors the management of small and medium-sized companies and carries out activities that stimulate the relationship between resident organizations and other stakeholders. Our work also aims to help expand the networking of residents and encourage entrepreneurship through business management and fundraising activities.

In February 2019, the Park took over the management of the Biotechnology Pole, in response to a request from the Central Administration of UFRJ in the context of the overflow of its actions to other spaces at the University. At the end of the year, the Park had 41 resident organizations. To learn more about this subjec, click here.



strengthen the innovation capacity of the ecosystem to create wealth and well-being in society in an environment of connections of entrepreneurial initiatives and knowledge generation



COMMITMENT TO INNOVATION

We generate innovations that impact the improvement of the business, social and academic environment.

COLLABORATION

We connect the links of innovation networks in the generation of knowledge and technology.

ENTREPRENEURIAL ATITUDE

We are proactive and a persevering in strengthening the innovation ecosystem.



The Science Park is a dynamic, diverse environment that generates relevant innovations for economic and socio-environmental development.

Main performance attributes of the UFRJ Science Park in the context of this vision:

PROTAGONISM

Active and anticipatory stance to streamline global innovation networks;

DIVERSITY

Environment with cultural diversity and made up of national and international companies of all sizes, connected to UFRJ research groups and articulated to entrepreneurs and investors;

DYNAMISM

Environment with high capacity for renovation, full of life, characterized by its dynamism and lightness.



Park infrastructure

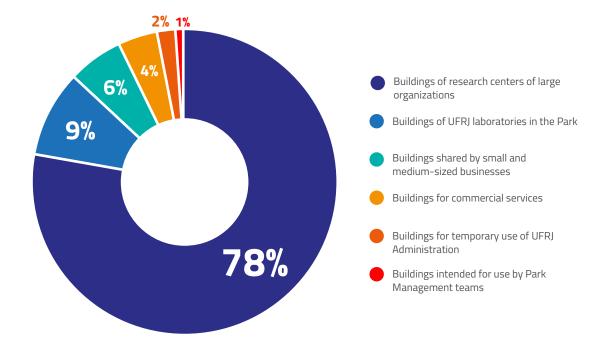
PTEC-UFRJ has an area of approximately 35ha (350,000m²), with 93,210m² of built area, according to the graph beside.

Its environment is characterized by a landscape composed of architectures of diverse volumetries and typologies, by the vegetation present⁴ and integrated with the built landscape and by the presence of Guanabara Bay, which surrounds the area.

Its infrastructure consists of a Center of Excellence in Information and Communication Technology - CETIC, a Prototyping Module - MP, an Administration, a restaurant, land, a coworking space, areas for events and places for students and teacher entrepreneurship projects.

CETIC

The building consists of four floors, with a total area of 2,800 m², aimed at small and medium-sized companies. It has central air conditioning, raised floor, individualized electrical panels (per room), a wide and mapped structured cabling network and the possibility of using a wireless network, an IP telephony system, also offering rooms with customizable size.



Percentage representation of the building area in the Park in 2019

⁴ To learn more, see the section "Biodiversity of The Park".

In 2019, the building reached the mark of eight resident companies, but ended the year with a total of six companies. Currently, five rooms are still available on the third floor and the entire fourth floor.

MP

This building is aimed at companies with a semi-industrial profile, which need adequate space and height to install the necessary infrastructure for the production of their products and services. The 3,100 m² area houses ten modules of 200 m² each, with a ceiling height of eight meters. At the end of 2019, six companies occupied the building and three modules were still available.

Administration

It is the Administration Building of the UFRJ Science Park, whose architecture is characterized by its circular shape. Originally intended to be a multidisciplinary training module with a capacity for a total of 120 people, it houses the administrative headquarters of PTEC-UFRJ. Its needs program involves reception, two auditoriums with a capacity of 30 people each, a pantry and cleaning material deposit on the first floor, administrative office, meeting rooms, coffee and bathrooms on the second floor. This last floor has the capacity to house a population of 60 people.









Restaurant

Also characterized by its circular shape, the PTEC-UFRJ Restaurant has 1,421.47m² spread over three floors. Its needs program involves food halls and toilets on the three floors, industrial kitchen, changing rooms, technical areas, office and a terrace / balcony on the top floor. In 2019, the architecture team carried out, together with the operations team, an inspection of all building installations of the building with the issuance of a technical report.

Ground

In its 350 m², in addition to the aforementioned buildings, there are also areas of ground that exist on the premises of the Park, which are granted through use of public notices to companies that show interest in installing their research centers in this region, as well as laboratories of the University.

Park Services

(GRI 102-2b)

The services provided by all Park managers to resident organizations are:

- Support to potential resident companies in identifying opportunities for interaction with UFRJ, through meetings and workshops with research groups.
- Establishment of direct and continuous channels to promote company-university interaction:
- Articulation with research groups at UFRJ;
- Articulation with entrepreneurial initiatives by the UFRJ student body (Innovation Hub at UFRJ);
- Articulation with other companies resident in the Park and the Incubator.

- Organization of events that aim to stimulate the relationship between the resident organizations of the Science Park and other stakeholders;
- Monthly cycle of events and workshops;
- Cycle of open events for non-resident specialists to explore certain areas of knowledge;
- Development of qualified networking, promoting the integration of companies in the innovation ecosystem, bringing together large, medium and small companies in the Park, as well as other institutions of interest;
- Disclosure of information about events, notices, programs and other matters of interest to companies;
- Support in the development of its social responsibility and sustainability programs;



Specifically, according to the size of the company, the following services and activities are offered:

Big companies

- Support in the development and execution of investment plans in RD&I of large companies in partnership with several actors: university, government and other companies (including startups);
- Monitoring the management of the RD&I project portfolio of the installed research centers;
- Promotion and encouragement of sharing experiences obtained by companies resident in partnerships based on project performance evaluations.

Small and medium-sized companies

- Monitoring the management of small and mediumsized companies installed in the Park, offering access to the network of partners for hiring consultancy and training for resident companies;
- Image management, press relations, content production and consultancy for digital media for small and medium companies installed in the Park;
- Connection with venture capital investors and guidance for effective relationships with this community

Startups

- Support for the creation of new companies based on technological knowledge predominantly generated from relations with UFRJ:
- Use of the lean startup methodology;
- Providing advice and monitoring the development of each business in communication and marketing, finance and other management areas;
- Promotion of training for professional qualification for resident entrepreneurs;
- Building professional networking;
- Sharing experiences between resident startups, encouraging the maturation of entrepreneurs

All Park organizations also have access to the following infrastructure service:

- 24 horas security;
- Electronic surveillance system with 24-hour monitoring;
- Landscaping;
- Public cleaning;
- Cleaning common areas of shared buildings;
- Waste collection
- Street lighting;
- Access to the Park's auditorium, with capacity for up to 70 people, meeting rooms.



Companies residing in shared buildings still have access to the following services:

- Lighting of common areas of shared buildings;
- Maintenance and operation of central air conditioning;
- Civil and electrical maintenance of common areas;
- Maintenance and operation of the telecommunication system;
- Reception and Administration of the Park.



Park Governance

(GRI 102-18)

The governance system⁵ of the UFRJ Science Park consists in a combination of governance and management mechanisms wich mainly objective is to ensure, in a participatory manner, is the full execution of its mission.

The Board of Directors is the highest decision body of the Park. In addition to appointing and approving the CEO and their respective management plan, the Council also evaluates the companies that are candidates to become part of the Park and permanently estimates the different impacts generated by Park's performance. Its composition can be found at the end of this report and its members are appointed by ordinance of the Rector (a) of UFRJ, for a period of two years, with the possibility of renewal for an additional period of two years.

The CEO is responsible for strategic decisions and performance in terms of the economic, environmental and social sustainability of the Park. The term of office is four years and the main prerequisite is that the elected CEO be a member of the administration

staff off UFRJ. The CEO is supported by seven managements, all of them - with the exception of a UFRJ member- are employees of the Support Foundation of the Park: Foundation for the Coordination of Projects, Research and Technological Studies - COPPETEC.

Administrative and Financial Management

(GRI 102-2a): The team is responsible for the administrative and financial organization of the UFRJ Science Park, as well as for monitoring matters of interest to its stakeholders with the COPPETEC Foundation and UFRJ. Among the main activities of the Administrative and Financial Management are the planning and monitoring of finances, tenders, contracts, material purchases, service contracts and equity. It also has a human resources sector, responsible for selecting people, engaging employees and personal development, which are continuous exercises. Composed by nine employees, including: a Manager, a Human Resources Analyst, two Administrative Assistants focused on the areas of purchasing, contracting, budgeting and finance, two secretaries and a Driver to assist the management and the entire team of the UFRJ Science Park and two Young Apprentices, who support all Managements, performing internal and external activities.

Corporate Articulation Management: The Corporate Articulation Management is responsible for

establishing direct and continuous channels for the promotion of university-company cooperation and also mediates between companies and UFRJ University Foundations (COPPETEC and FUJB). The team holds events and meetings that aim to stimulate the relationship between organizations resident in UFRJ Science Park and other audiences, as well as interact with companies for insertion in the innovative ecosystem of the Science Park. The Joint Management is composed by three employees and an intern.

Communication and Press Management: The

Communication and Press Management works to achieve the final objectives of the UFRJ Science Park through activities of press relations, internal communication, public relations, marketing, partnerships, graphic design and dissemination in social media. This Management is also responsible for supporting activities carried out by other managements, event coverage, video recording and editing, content production, website management, newsletter, reports, in addition to providing consultancy to startups and small resident companies. All activities focus on promoting the UFRJ Science Park as an institution, recognizing the importance of the project to society and attracting partners, supporters, residents and the public to events and programs carried out. The team consists of three hired workers and an intern.

⁵ To learn more about the reference instruments that guide the Park actions, access the site: https://www.parque.ufrj.br/acesso-a-informacao-3/.



Institutional Development Management: The

Institutional Development Management is responsible for articulating the corporate governance system with the management model, focusing on the fields of strategic management, promoting the innovation ecosystem and sustainability actions. Management integrates different actions of the organization in order to generate strategic information for decision-making. The team also performs the function of institutional and governmental relations, representing PTEC-UFRJ with its stakeholders in the country and abroad. Reporting directly to the Executive Board, management aims to start new businesses and partnerships capable of promoting the institutional development of UFRJ Science Park. It consists of two hired workers and an intern.

Legal Management: The main role of Legal Management is to advise the Project in the areas of Administrative, Civil and Business Law, covering legal issues related to the Support Foundation, to the entry of companies and institutions via public selection procedures. It acts in the interface with the contractual demands of the installed companies and meeting the demands of the Park's internal public, the other managements and units related to legal consulting actions, drafting contracts, amendments, agreements, opinions and bidding notices, as well as analysis of legal viability of RD&I projects. The Legal Management is composed by two law clerks, Lawyers hired by

the Coppetec Foundation, who dedicate themselves exclusively to the support of the UFRJ Science Park in the aspect of legal issues.

Operations Management: Operations Management is responsible for planning and executing activities aimed at the proper functioning of the UFRJ Science Park, carried out by third parties and by its own team. The main activities are: urban maintenance, building and infrastructure of utilities and urban furniture, property security with physical and electronic surveillance of the entire urban area of the UFRJ Science Park, access control, cleaning and conservation of common areas and gardens, inspection and monitoring construction works under the management of the UFRJ Science Park, operation of shared buildings, operation of quays, heliport and visitor parking and information technology. Composed by 26 celetists.

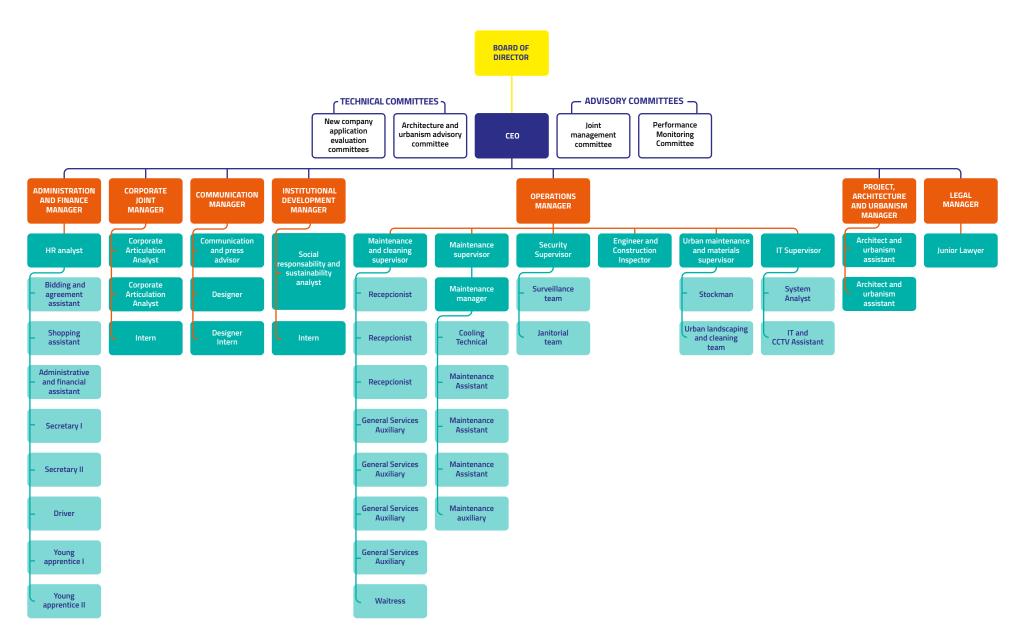
Management of Architecture and Urbanism Projects:

The Management of Architecture and Urbanism is composed by a public server and two celetists. The team is responsible for urban planning activities, regulation of land use and occupation, technical feasibility studies for new projects, development and coordination of architectural, landscape and urban projects, technical surveys, guidance and monitoring of constructions and reforms, management of projects related to infrastructures, updating and making available the registration of building and urban works

executed and completed. In conjunction with the UFRJ Science Park Architecture Committee, management is also responsible for analyzing and approving new building projects and for monitoring approvals with the current inspection bodies. Throughout 2019, management carried out actions involving the areas of the UFRJ Science Park, the Biotechnology Pole and the COPPE / UFRJ Business Incubator, with emphasis on the following activities: For the Park to be able to fulfill its Mission, there are two technical committees to support governance⁶: (i) New Companies Candidacy Evaluation Committee and (ii) Architecture and Urbanism Advisory Committee.

⁶ To learn more about the composition of the committees, access the website: https://www.parque.ufrj.br/acesso-a-informacao-3/ on the Governance tab.





Organizational Chart of UFRJ Science Park

The New Companies Candidacy Evaluation Committee is responsible for evaluating the technical proposals submitted by the companies interested in entering the Park, as well as the recommendation to terminate resident companies that are in default with the cooperation clauses.

The Advisory Committee on Architecture and Urbanism defines the parameters for land use and analyzes the projects of companies according to these parameters. There are also two Advisory Committees to support the governance of the Park?: (i) Articulation Management Committee of UFRJ - Empresa / Science Park; and (ii) UFRJ Science Park Performance Monitoring Committee.

The first supports the Park by defining guidelines for prioritizing actions and initiatives that are of interest to UFRJ and that characterize the economic and financial support of the companies installed in the Park to the instances of UFRJ. The Committee is also responsible for evaluating the investments made at UFRJ as consideration for the companies installed in the Science Park, as provided for in the respective concession contracts. The second monitors the Park's performance in its entirety with a focus on operational, technical and financial aspects.

The periodicity of technical and operational monitoring is carried out annually, while the financial aspects are monitored quarterly. To learn more about the report for the year 2019 approved by the UFRJ Science Park Performance Monitoring Committee, click here. To see the technical opinion, click here.

People management

(GRI 103-1, 103-2, 103-3)

One of the attributes of the 20-20 Vision of Strategic Planning 2016-2045 is **protagonism**. In other words, in order to achieve our vision, we need our employees to have an active and anticipatory stance in the face of the challenges that exist in being a dynamizing agent for innovation networks.

Therefore, in 2018, we started the construction of a Continuous People Development Policy (PCDP)⁸ in conjunction with the COPPETEC Foundation, which is still under development and aims to engage, enhance, retain talent and, consequently, reduce of our employees' turnover.

Until the end of 2019, the Policy guided the following actions: Converging Trajectories Project, Competence Mapping and Assessment, Positions and Salaries Policy and Continuous Training Plan for Park Employees.

| 1. Converging Trajectories Project | Held in 2018 |
|---|-----------------------|
| 2. Competency Mapping and Assessment | (we don't set a goal) |
| 3. Park Employees Continuous Training Plan | (we don't set a goal) |
| 4. Positions and Salaries Policy | (we don't set a goal) |

Actions and goals of the Continued Development Policy of People (CDPP)

Throughout 2019, we initiated the second and third PCDP action. In relation to the second action, we carried out the Behavioral Skills Mapping of the Park employees, with the Competence Mapping of the functions performed by them for 2020. From the third action, from the management of the new direction, the Park implemented the Personnel Development Employee Training Program⁹, whose objective is to integrate the teams and share knowledge.

⁷ To learn more about the composition of the committees, access the website: https://www.parque.ufrj.br/acesso-a-informacao-3/ on the Governance tab.

⁸ This policy targets the institution's own employees.

⁹ To know the results of the program, click here.



The PCDP is in constant construction and we will have the first version finalized when we have the Employee Competence Mapping and Assessment fully implemented.

In addition to the PCDP, the Park focuses its efforts on developing the Quality of Life Program, which has specific actions for its own employees and actions for the entire Park community¹⁰.

Next we will present our team and the Quality of Life Program.

(GRI 102-7, 102-8, 401-1, 404-1)

At the end of 2019, the UFRI Science Park team had 52 employees¹¹ - 48 employees allocated at the Park's headquarters and four at the Biotechnology Pole unit distributed by management area as shown in the following figure.



CEO





ADMINISTRATIVE AND FINANCIAL **MANAGEMENT**











COMMUNICATION AND PRESS MANAGEMENT











OPERATIONS MANAGEMENT

26



PROJECT MANAGEMENT. **ARCHITECTURE AND URBANISM**



LEGAL **MANAGEMENT**

CLT (COPPETEC) Intern/trainee (COPPETEC) Young apprentice (COPPETEC)

UFRJ Server

Total number of Park employees by management area and by employment contract

¹⁰ We call the Park community all residents, as well as students, teachers and technicians from UFRJ and residents of Residential Village.

^{11 (}GRI 102-48) To provide a more real picture of the daily life of the the Park's staff, the number of outsourced employees was not included in accounting.

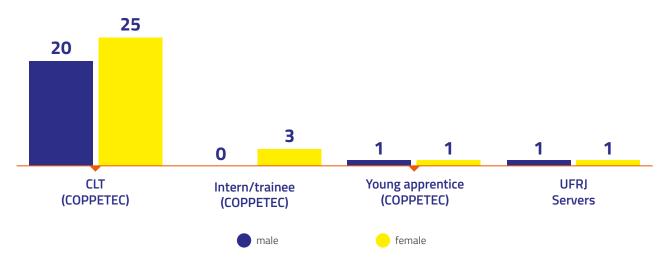
Of the total employees, 58% are female and 42% are male (GRI 102-7 a.i, 102-8 a, 401-1).

87% of our employees are governed by the Consolidation of Labor Laws (C.L.T.) by COPPETEC Foundation - 45 employees and two Young Apprentices - 4% are UFRJ employees and 6% are governed by an internship contract, also by COPPETEC Foundation.

Park employees are geographically distributed across the state of Rio de Janeiro (GRI 102-8), with 59% of the Park's staff living in the surroundings - North and Central Zone - and 6% living in surrounding communities - Maré and Vila Residencial (GRI 102-8 b).

In relation to 2018, the number of employees working at the Park's headquarters remained the same.

The 8% increase in the number of employees at the Park was due to the fact that the Park took over the management of the Biotechnology Pole.



Total number of employees by employment contract by gender (GRI 102-8 a)

| | Server (UFRJ) | CLT (COPPETEC) | Young Apprentices (COPPETEC) | Scholarship (COPPETEC) | Intern/trainee (COPPETEC) | Total | % |
|--------------------|---------------|-------------------|---------------------------------|---------------------------|------------------------------|-------|-----|
| North Zone | 1 | 22 | 2 | 0 | 1 | 26 | 50 |
| South Zone | 1 | 4 | 0 | 0 | 0 | 5 | 10 |
| West Zone | 0 | 4 | 0 | 0 | 0 | 4 | 8 |
| Central Zone | 0 | 5 | 0 | 0 | 0 | 5 | 10 |
| East Fluminense | 0 | 6 | 0 | 0 | 0 | 6 | 12 |
| Fluminense Lowland | 0 | 4 | 0 | 0 | 2 | 6 | 12 |
| Total | 2 | 45 | 2 | 0 | 3 | 52 | 100 |

Total number of employees per employment contract by region in 2019 (GRI 102-8 b)

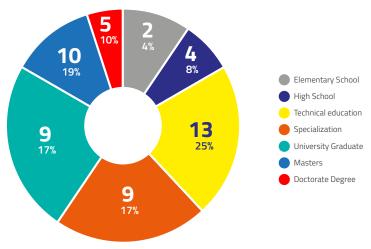
¹² To learn more about these signings, click here.

Despite this, the turnover rate (GRI 401-1 a) of the Park's own employees, in 2019, was 11.5%, with the entry of six women and five men and the dismissal of two men and four women. Most of the hired employees are residents of the northern part of the city of Rio de Janeiro (GRI 401-b). Of the people who joined, four went to new jobs and the rest were destined to replace pre-existing jobs..

Our team is composed of 67% of employees with technical training, undergraduate or graduate and 25% with high school education. It should be noted that 38% of the total number of people who make up the Park's technical staff come from the Federal University of Rio de Janeiro.

| | Contractors | Disconnected | Turnover Rate (%) |
|---------------------|-------------|--------------|-------------------|
| Genre | | | |
| Male | 5 | 2 | 3,70 |
| Female | 6 | 4 | 7,41 |
| Age range | | | |
| Under 29 years old | 6 | 6 | 11,11 |
| From 30 to 49 years | 8 | 8 | 14,81 |
| Above 50 years | 3 | 3 | 5,56 |
| Region | | | |
| North Zone | 5 | 3 | 5,56 |
| South Zone | 3 | 2 | 3,70 |
| West Zone | 2 | 0 | 0,00 |
| Central Zone | 0 | 0 | 0,00 |
| Fluminense East | 1 | 0 | 0,00 |
| Lowland Fluminense | 0 | 1 | 1,85 |

Employee turnover rate by age group, gender and region (GRI 401-1 b)



Education level of Park employees



Quality of life and people engagement program

In order to create a more welcoming environment for our employees, as well as for the Parque community with activities that **generate engagement, dynamism, diversity and protagonism**, the Park created a quality of life program whose actions and projects developed ¹³ in 2019 were:

| Actions | Projects | Goal 2019 | Monitoring of 2019 goals | |
|---|---|--|-----------------------------------|--|
| 1. Encouraging training and capacity building | Training and Capacity Building | (We don't set a goal) | (We don't set a goal) | |
| 2. Awareness and integration actions with | Environment Week | Hold an environment week | Goal Achieved | |
| | Urban Garden | Carry out the replanting of the Community Garden | Goal Achieved | |
| the environment | UFRJ Agroecological Fair | Have the UFRJ Agroecological Fair in our space every Thursday | Goal Achieved | |
| | Audience Formation | Offer at least two shows per month | Goal Achieved | |
| 2 Astismathat annum | Short Circuit Public Art Gallery | Perform two cycles | Target not attained | |
| 3. Actions that encourage the meeting / integration of people | Park's Gastronomic and Cultural Fair | Make three edits | Goal Achieved | |
| | Gastronomy in the Park | Weekly Gastronomy in the Park | Goal Achieved | |
| | Arraiá Pirapoca in the Park | Make one edition per year | Goal Achieved | |
| | Blood donation campaign | Make three edits | Goal Achieved | |
| | Olympic Maré | Make a visit to the Park | Target not attained ¹⁴ | |
| 4. Volunteer actions | End-of-year action for INCA children | (We don't set a goal) | (We don't set a goal) | |
| | Dogs Park | Have at least one animal adoption fair in the Park | Goal Achieved | |
| 5. Stimulating Physical Activity | Yoga in the Park | Offer activity availability twice a week | Goal Achieved | |
| 6. Mobility | BRT-Park Integration | Have the UFRJ internal bus circulating in an interrupted way in the Park | Goal Achieved | |

Quality of Life and People Engagement actions and projects

¹³ This report will be showing the actions and projects developed by Science Park administration in partnership with its residents, therefore, not delving into the actions developed by the residents of the Park. In the Social Responsibility section - within Parque and the Local Development - we will speak of the volunteer actions of the large residents companies of the Park.

¹⁴ The students' visit was rescheduled for the year 2020 due to issues logistics.



The Short Circuit gallery and Public Art Circuit project did not have a new cycle in 2019, although it remains open to visitors with its permanent collection.

Training and Capacity Building

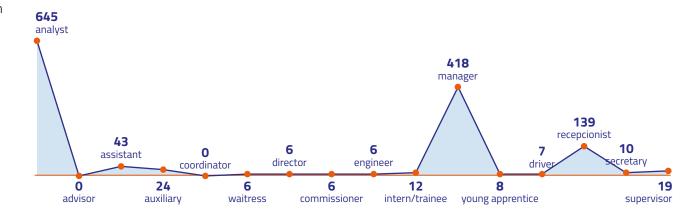
(GRI 404-1)

Annually, since its formation, the Park has supported its employees to train themselves, either through scholarships or through the release of employees during periods of their workday. In 2019, the new direction of PTEC-UFRJ instituted the Training Program for People Development employees, whose objective is to integrate teams and share knowledge. The program started in November 2019, occurs weekly, lasts one hour and had six training.

In 2019, in all, there were 1349 hours of training -1106 hours of courses and specialization and 243 hours of training of the Personnel Development Employee Training Program.

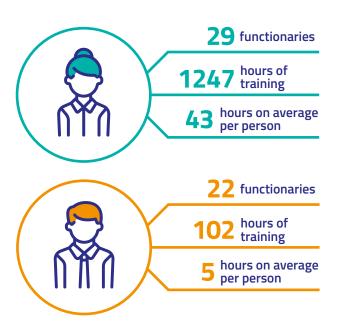
| Date | Theme | Employee who gave the training |
|------------|---|------------------------------------|
| 08/11/2019 | Personal finances | Vicente Antonio de Castro Ferreira |
| 22/11/2019 | Power Point Presentation | Fábio Léda da Silva |
| 29/11/2019 | Emotional Intelligence | Rute Hermogenes dos Santos |
| 06/12/2019 | Interpersonal relationship | Marcia Regina de Mattos Duarte |
| 13/12/2019 | Photography | Beatriz da Cruz Nascimento Corrêa |
| 20/12/2019 | Innovation environments: an adventure of the possible | Leonardo de Jesus Melo |

People Development Employee Training Program Calendar



Number of training hours for Park employees in 2019

The average hour per employee in courses and specialization was 221.2 hours - all female employees - and the Personnel Development Employee Training Program was 4.7 hours - both male and female.



Green Park Program

The program aims to preserve natural resources, improve the microclimate of the environment and

provide an environment of coexistence, integration between people and approximation with nature, **providing a sense of well-being and health**. Park Garden, Environment Week, Vegetable Garden and UFRJ Agroecological Fair are projects that make up the Parque Verde Program and feed back into the Park's landscape project¹⁵.

Environment Week has been held annually since 2014 and was created to commemorate World Environment Day. In 2019, the actions that were part of the Environment Week were: **Planting tree seedlings** and replanting the **Park Vegetable Garden**. Twenty-two tree seedlings of the species Palm Tree, Purple Ipe, Paineira Vermelha, Aldrago and Pau-ferro were planted.

The urban garden is inside the Park Vegetable Garden. Horto meets the needs and internal demands of production and landscaping and also has a compost of pruning waste, which produces part of the fertilized land used in our plantations.

The UFRJ Agroecological Fair, a university extension project, involves farmers, artisans, students and UFRJ agents in favor of promoting family farming. Every Thursday, farmers and cooperatives from the state of Rio de Janeiro come to UFRJ to sell their agroecological products grown by the aforementioned system. The Fair returned to the Park in March 2019 at the Park's Biotechnology Pole.



¹⁵ To learn more about our landscape project, go to the section "Management of Eco-efficiency" on page 46.

¹⁶ The agents of UFRJ are: Professors, UFRJ Innovation Agency, Division of University / Community integration - IUD / PR5 and UFRJ central administration



Audience Formation

The Audience Training program, created in 2015, was reformulated in early 2019 with the arrival of Firjan as a partner. The program aims to encourage the Parque community to experiment with artistic presentations and / or cultural spaces in the state of Rio de Janeiro.

In 2019, we offer 89 shows - an average of 11 shows per month. The program had 60 requests, distributing 140 tickets to the Parque community.

— 17 Park employees are counted: employees of the park's headquarters, the biotechnology pole, the resident companies and laboratories.

18 Total tickets distributed including companions.

| MONTH | SHOW | PARK EMPLOYEES | TOTOAL TICKETS |
|------------|---|----------------|----------------|
| APRIL | Menines | 4 | 10 |
| | Felipe Catto | 1 | 4 |
| | Eles não usam tênis Naique | 1 | 2 |
| | Chapeuzinho Vermelho | 1 | 3 |
| | A Ira de Narciso | 1 | 4 |
| | Tem Uma Mulher na Nossa Cama | 1 | 2 |
| | As Crianças | 3 | 6 |
| | Saia | 1 | 2 |
| | Lá dentro tem coisa | 1 | 2 |
| | Dançando no Escuro | 1 | 2 |
| | Vanessa da Mata | 2 | 4 |
| | Os desajustados | 4 | 14 |
| | Saia | 3 | 6 |
| | Os desajustados | 3 | 6 |
| | Alan Rocha | 1 | 2 |
| JULY | Procópio | 3 | 6 |
| | Flávio Venturini | 1 | 4 |
| | Sala de Música | 1 | 2 |
| | Oboró - Masculinidades Negras | 3 | 12 |
| AUGUST | Procópio | 1 | 2 |
| | Traga-me a cabeça de Lima Barreto! | 1 | 2 |
| 5507511050 | Jards Macalé | 2 | 4 |
| SEPTEMBER | Contos Negreiros | 1 | 2 |
| | Angels In America | 2 | 4 |
| | Contos Negreiros | 2 | 3 |
| OCTOBER | Tatá O Travesseiro | 1 | 2 |
| | Orquestra Sinfônica Cesgranrio Convida Maria Gadú | 4 | 8 |
| | Luciana Mello | 4 | 8 |
| NOVEMBER | Peça de Casamento | 2 | 4 |
| | Oboró - Masculinidades Negras | 2 | 4 |
| DECEMBER | Oboró - Masculinidades Negras | 2 | 4 |
| TOTAL | | 60 | 140 |



Park's Gastronomic and Cultural Fair

Born in 2016 in partnership with the Gastronomy Course at UFRJ (Nutrition Institute Josué de Castro) and Junior Company of Gastronomy and Nutrition (Cibus), the Gastronomic and Cultural Fair of the Park is an environment of integration of the Parque community that promotes food from street designed by UFRJ students, stimulates the entrepreneurial culture for students of the Gastronomy course and other undergraduate and graduate courses and disseminates cultural actions produced by UFRJ extension projects.



| | UFRJ Enterprises | UFRJ projects promoted | Public for 3 days | Average audience per day |
|-------------|------------------|---------------------------|-------------------|-----------------------------|
| 8° Edition | 15 | 8 | 1201 | 400 |
| 8° Edition | 24 | 12 | 1694 | 565 |
| 10° Edition | 17 | 7 | 1370 | 457 |
| Total | 56 | 27 | 1422 | 474 |

Data from the three editions of the Park's Gastronomic and Cultural Fair held in 2019





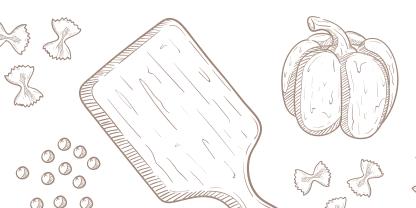
The Park's Gastronomic and Cultural Fair celebrated its tenth edition in December 2019. Considering the three editions held during the year, the average attendance of the Fair was 474 people per day with an average attendance of 1422 people per fair. The three editions held in 2019 fostered 27 enterprises by UFRJ students. Entrepreneurial students were from two UFRJ campuses (IFCS and University City) and 15 undergraduate courses: Architecture and Urbanism, Performing Arts, Biological Sciences, Social Sciences, Visual Communication, Art Education, Physical Education, Process Engineering, Pharmacy, Gastronomy, Geography, Letters (Arabic), Nutrition and Painting.

The tenth edition of the fair also featured an enterprise formed by students and professors from the discipline Entrepreneurship for Sustainable Organizations in the Gastronomy course, whose experience at the fair was part of the course's content.











Gastronomy in the Park

Gastronomy in the Park, born in 2018, in partnership with the UFRJ Gastronomy Course (Josué de Castro Nutrition Institute), is a project that aims to offer street food prepared by UFRJ students who participated in the last edition of the Gastronomic Fair and Cultural Park and aims to integrate the Park community. The project takes place every Monday from 11 am to 3 pm, with each week taking turns with different menus. At the end of 2019, the project had 13 projects – six for meals and seven for sweets.

Arraiá Pirapoca in the Park

Arraiá Pirapoca is an event that integrates the UFRJ Science Park community through a June party inspired by the Extension Project "Pirapoca: corn and indigenous memory in Brazilian food culture".

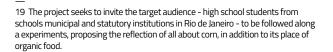




The Pirapoca Project¹⁹ aims to disseminate knowledge and practices about a "particularly" Brazilian corn crop, focusing on its sustainable aspects and sociocultural dimensions, through an artistic and interactive message.

Blood Donation Campaign

The Park started a partnership with Hemorio in 2017 aiming to engage the Park community in favor of volunteering blood donation. This action is extremely important for the Park, since the donation of a blood bag can save up to three lives, given that less than 2% of the Brazilian population donates blood regularly and donating blood is not just saving lives through surgery but to save people affected by trauma, anemia, cancer treatment, organ transplantation, hemophilia, coagulation disorders, among others.





In 2019, we held the second edition of Arraiá Pirapoca in the Park. The event counted 15 enterprises by UFRJ students, with an average audience of 400 people.





Therefore, in 2019, we carried out two blood donation campaigns with 141 collected bags. Among the donors are professors, students and researchers from UFRJ laboratories, employees of the resident companies of the Park and the Incubator and employees of the Park and the Incubator.

Dogs in the Park



To learn more about the project or become a volunteer contact us at email: dogs@parque.ufrj.br

The Science Park, since November 2018, supports the **Volunteer** project "Dogs in the Park". This project, carried out by employees of the resident companies

of the Park, through a monthly kitty, aims to rescue, treat, castrate, vaccinate and shelter animals abandoned in the Park and at UFRJ until its adoption.

In 2019, around 20 animals were hired. Six animals that are already neutered are awaiting adoption and 20 animals have been adopted throughout the year. The park supported the holding of two animal adoption fairs.







Yoga in the Park

Quality of Life and Mobility are the two material topics that the Mobility Park Program answers. This is because it is a project that aims to facilitate the movement of people between the Park, University City and their connections with the city of Rio de Janeiro, generating more comfort for the Parque community.





Integração BRT-Parque

Quality of Life and Mobility are the two material topics that the Mobility Park Program answers.

This is because it is a project that aims to facilitate the movement of people between the Park, University City and their connections with the city of Rio de Janeiro, generating more comfort for the Parque community.

To this end, there are four types of free transportation for the circulation of people in the University City:

- 12 bus lines for transportation within the University City and intercampi (departing from University City to other units of UFRJ and strategic points at the end of classes at night), provided by the City Hall of UFRJ;
- A Van from the Fundo Verde Laboratory, which runs from Monday to Friday, from 8 am to 5:30 pm, takes the BRT-Parque route;
- An eight-seat electric cart provided by the Science Park, which runs from Monday to Friday, from 8 am to 10 am, from 11 am to 2 pm and from 3 pm to 6 pm. The Park-Incubator-Park route with an average monthly audience is 1,300 people.

Other people engagement actions developed for the Park Community

The Park, in order to stimulate and strengthen the entrepreneurial culture among UFRJ students, promoted, in 2019, an intensive two-day workshop, totaling 8 hours for UFRJ students, focusing on ideation and model building of business.

It also developed and hosted, in partnership with the Institute of Mathematics, the first Data Science School and the first Statistics and Mathematics in Innovation Workshop at UFRJ. The school, which attracted 180 students, aimed to address the latest topics in the field of data science such as statistics, computing and applied mathematics.

The following week, the Statistics and Mathematics for Innovation Workshop was also held, which promoted real case studies proposed by industries such as Bradesco Seguros, Energisa and Michelin and government agencies interested in using quantitative methods to solve their problems.

The 4-hour Money Morning meeting was also organized and focused on presenting the fundraising modalities to leverage startups for students in the university's integrated entrepreneurship disciplines



Financial management

The financial management of the Science Park comprises a set of actions and administrative procedures that aim to maximize the organization's economic and financial results. This management is carried out by a foundation to support the university - COPPETEC Foundation - which acts as a management entity in accordance with the provisions of Law No. 8,958 / 94, which governs the activities of such institutions.



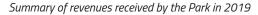
UFRJ Science Park Headquarters

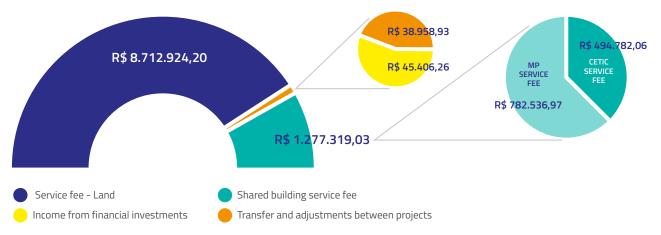
Revenue

(GRI 201-1)

The revenues of the Park's headquarters come from four modalities: service fee of companies installed on land, service fee of companies installed in shared buildings - CETIC and MP, income from financial investments and transfers and balance adjustments between projects.

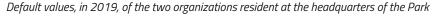
| Resource source | Resource use |
|--|--|
| Land Service Fee Service Fee for Shared Buildings CETIC Service Charge for Shared Buildings MP | Reimbursement of costs arising from the Park's operation and administration activities, including cleaning, waste removal, security, lighting, maintenance of public areas (located within the Science Park, but outside the areas that are the object of the use assignment) it's personal. |
| Income from Financial Investments | Income from financial investments |
| Transfer and Settlement between | Resource returned to the Park due to the closure of the projects |

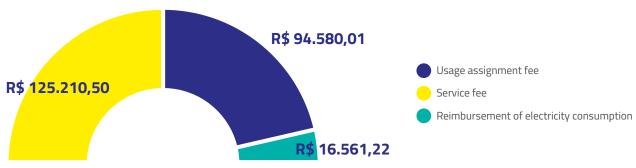




The resources from the four aforementioned modalities were distributed as follows in 2019 (GRI 102-7).

It is important to highlight that, despite these receipts, at the end of 2019, two organizations at the Park's headquarters were in default²⁰.





²⁰ All companies mentioned are in the process of notification and / or conciliation.

One organization²¹ had its contractual relationship with the Park terminated, due to the lack of cooperation in the development of research projects at an adequate minimum with consequent breach of contractual obligations. In addition, three non-resident companies, a laboratory and a CrowdRio program venture, are in the process of filing lawsuits due to failure to pay their financial obligations. If the judgments have favorable results for Coppetec, as a support entity, a recovery of approximately R\$ 800 thousand is expected.

The Park also receives and manages revenues from the use of shared buildings and restaurant. However, these resources have been limited²² since 2018²³.

The resources, when discontinued, will be used - according to Resolution 01/2019 of the Board of Directors of the UFRJ Science Park²⁴ - to fund programs and projects, developed by members of the UFRJ staff - teachers, students and administrative technical staff - in research, development and innovation activities.

It is worth mentioning that the resolution changed the format of distribution of these resources, since until

21 Defaults and claims for damages in connection with this organization amount to approximately R\$ 4 million Reais.

2018 it was distributed equally, where one third of the total was used for the Park's operations, investments in infrastructure and projects, one third was used to promote Projects Special interests of UFRJ and one third were used in the Scholarship Program for high school students (PIBIC-EM). With the implementation of a resolution, the resource, therefore, ceased to have a tripartite destination and started to be fully allocated to the same use as described below. At the time of contingency, the Scholarship Program for High School Students (PIBIC-EM) carried out by the

university had an accumulated balance²⁵, since UFRJ had been having difficulty in carrying it out. Therefore, it was decided at a meeting of the Directing Council that the balance of this program would be used to fund 20 master's scholarships for affirmative actions, half of which has already been transferred to the Dean of Graduate Studies and Research (PR2), due to²⁶ the growing importance of the affirmative action theme at UFRJ and the need to use the available resources more quickly and effectively.

| Resource Source | Resource Use | Raised in 2019 | Accumulated balance of 2018 (referring to 2017 and 2018) | |
|--------------------------------|--|----------------|--|--|
| Use of CETIC spaces | Programs and projects, | R\$ 386.740,56 | | |
| Assignment of Use of MP spaces | developed by members of UFRJ's social staff in research, | R\$ 192.377,93 | R\$3.090.968,55 | |
| Restaurant Use Assignment | development and innovation activities. | R\$ 0,00 | | |
| Total | | R\$ 579.118,49 | R\$ 3.090.968,55 | |

²² The decision to limit these resources was due to the fact that a national audit on the equity issue was underway public universities in 2018. In this audit, the Park was questioned about the use of resources from assignments paid by companies installed in shared buildings. For this reason, the Executive Board of PTEC-UFRJ together with the Executive Board of COPPETEC Foundation, sent a request to the UFRJ about the use of assignment resources. The content of this consultation was on the closure of the fixed tripartite distribution model of values and the beginning of the use of resources in research, development and innovation, in order to promote these activities at the university level, in the form of Resolution No. 01/2019, approved by the Directing Council on 06/19/2019.

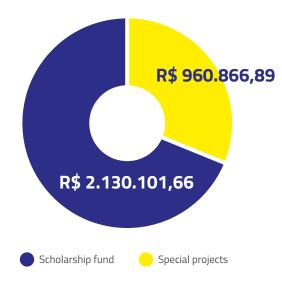
²³ The resources were contingent in 2018. However, the contingent amount referred to the rate of assignment of the use of shared buildings and restaurant received in 2017. In this way, the resources that are contingencies refer to those received in 2017, 2018 and 2019.

²⁴ To know the resolution, access here.

²⁵ The accumulated balance of the Scholarship Fund was related to funds collected from 2012 to 2016, plus income from financial investments from the Fund.

²⁶ To learn more about the project, see the Affirmative Action Scholarship Project in the Park and Local Development section.





Balance of the Scholarship Fund and Balance of the Project for the Assignment of Use of Shared Buildings in 2019

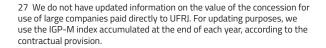
The procedures for submitting projects to be supported with funds from the use of shared buildings and restaurant - Special Projects - are available on the Park website.

The Park also manages the resources of the fomentation modality coming from FINEP - Financier of Studies and Projects. This project, submitted to FINEP in 2013 and approved in 2014, is in the execution phase. In 2019, the project's resources financed the completion of the construction of a creative space, inspiring and integrated with the environment - the CUBO - and the income of two Park employees: one aimed at improving communication

and the other, the structuring of the area social and environmental responsibility of the Park. The amount spent was R \$ 3,135,358.49 in 2019.

| FINEP resources in 2019 | | |
|-------------------------|------------------|--|
| CUBE Work | R\$ 2.960.365,60 | |
| Two employees | R\$ 174.992,89 | |
| Total | R\$3.135.358,49 | |

The Park also generates financial resources through the assignment of land. As foreseen in the process of creating the Park, these resources are transferred in full to the Central Administration of UFRJ, setting up an extra source of revenue for the university. From 2009 to 2019 the following resources were transferred to UFRJ²⁷:





Disbursements (GRI 201-1)

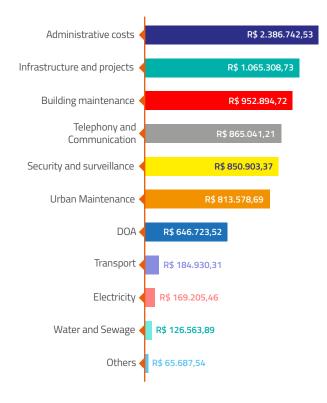
Given its mission, the Park demands services, materials and a multidisciplinary team capable of operating an environment of innovation²⁸. Therefore, the investments made by the Park are distributed in the following item:

²⁸ To learn more, see the section "Park Services".



Investment in personnel, services and materials inherent to the proper functioning of the administrative, legal and operational part, tickets and daily rates. These activities are recurrent, Administrative costs being carried out continuously. Team investment (drivers), electric vehicle rental contracts for cargo and passenger **Transport** transportation, institutional vehicle expenses and employee transportation. Team investment (property security supervisor), contracts for the provision of security and surveillance services necessary to offer a fast and reliable service with regard to property Security and Surveillance security (of facilities, equipment) and the safety of people who circulate and work in the Park, communication radios and vehicle access control. Investment in staff, services and materials needed to maintain roads and gardens. From the activities carried out by this team in 2019, pedestrian crossings were painted on elevated passages, maintenance of public lighting, recovery of asphalt on the streets and internal Urban Maintenance pavements of the Park, painting of fire hydrants and fire boxes. Of the contracted services, the most relevant is the maintenance of green areas. Investment in staff, services and materials necessary for the maintenance of buildings for the Administration, CETIC, MP, Access Building, Operations Center and Restaurant. The contracted services include building demolition, cleaning of reservoirs, maintenance of lightning protection **Building maintenance** systems, maintenance of elevators, maintenance of hoses and recharge of extinguishers, operating system license for opening maintenance calls, fire alarm system, waste collection and others. Electricity, Water and Expenses with supply concessionaires (CEDAE and Light). Sewage Investment in team, telephone services, internet and other communication support tools, Telephony and such as newsletter, mailing, clipping, subscription to newspapers and magazines and website Communication maintenance. Team investment, elaboration of urban occupation plans, architectural and interior projects, Infrastructure and Projects layout projects for gastronomic events, refurbishment works, renovations, constructions, acquisition of equipment. Expenses with items not foreseen in the budget, but which proved to be indispensable for the Others proper functioning of the Park at any given time. Administrative and Costs retained by the COPPETEC Foundation to reimburse administrative expenses for the Operating Expenses (AOE) support provided to the project.

In 2019, the Park disbursements²⁹ were, as follows:



UFRJ Science Park disbursements in 2019 (GRI 201-1)

To learn more about the 2019 income statement, click here.

²⁹ **(GRI 102-48)** In 2019, we changed the methodology for allocating resources of the Park. As a result, we did an exercise of backing up to the year 2017. You can see this exercise in the result demonstration of the year 2019, on page 89.



Park Biotechnology Pole

The Park took over³⁰ the management of the Pole, on a transitional basis, on February 1, 2019. From that date, the process of structuring processes and services similar to those in force at the Park's headquarters began, the provision of some operational and interaction activities with UFRJ for companies residing in the Pole area, in conjunction with the creation of the Institutional Development Project for the Integration of the Biotechnology Pole area with PTEC-UFRJ, which provides for adaptation works and the development of the local infrastructure so that you can launch public notices³¹ for the concession / assignment of use of the areas assumed in the Biotechnology Pole.

At the end of 2019, the Park notified the companies residing in the Polo unit about their departures (01/31/2020), as it was not possible to issue a public notice to regularize their occupations.

The exit processes are, at this moment³², judicialized between the parties and the UFRJ Attorney's Office with the participation of Coppetec, only with respect to the services provided and related to the service fee.

For 2020, it is expected to monitor the actions already started, as well as the planning of new actions with the Rectory of UFRJ.

Revenue

(GRI 201-1)

The Polo unit's revenues come from the service fee modality³³.

| Resource Source | Resource Use |
|-----------------|--|
| Service Fee | Reimbursement of costs arising from the Park's operation and administration activities, including cleaning, waste removal, security, lighting, maintenance of public areas (located inside the unit, but external to the areas that are the object of the use assignment) and folks. |

³⁰ In May 2018, the Bio-Rio Foundation agreement, former manager of the Polo with UFRJ, had its term ended. With that, UFRJ decided to assume the administration of the area.

The unit's revenue from February to December 2019 was R\$ 1,698,504.62.

It is worth mentioning that, despite these receipts, at the end of 2019, three organizations from the Polo unit were in default. The total amount of the debt is R\$ 221,766.10³⁴.

The Polo unit also generates financial resources through the assignment of land. These funds are fully transferred to the Central Administration of UFRJ, setting up an extra source of revenue for the university. The amount collected by the university adds up to R\$ 1,173,121.42.

³¹ For the publication of new notices in public areas, it is necessary to complete demobilization of occupied spaces, which must be free and unimpeded respecting the constitutional and administrative principles of isonomy, impersonality, competitiveness, impartiality and transparency.

³² Until the closing date of this report: 10/30/2020

³³ To learn more about the cost study that was done for the construction of the service fee, click here.

³⁴ Upgrades can be added to this value, since this was the value at the time of formalizing the respective Unilateral Recession Terms. This sum includes portions of the Final Conciliation Term and portions referring to the service fee for the months after the signing of the Term of Termination of those who did not formally deliver the occupied areas, as well as the compensatory fines imposed due to termination by default. In addition to this amount due, as there was no delivery of the areas occupied by two of the three companies. Pending debts related to service fees at the time after the Term of Termination, which total around R\$ 70.021,60, in addition to updates and revised additions by official indices at the time of the decision of the judicial actions.



Disbursements

(GRI 201-1)

The investments made in the Polo unit are divided into the following items:

Administrative costs

Investment in personnel, services and materials inherent to the proper functioning of the administrative and operational part.

Transport

It covers the expenses with the institutional vehicle.

Security and Surveillance

Investment in a reliable team with regard to property security (of facilities, equipment) and the safety of people who circulate and work in the unit.

Urban Maintenance Investment in services and materials needed to maintain roads and gardens.

Communication

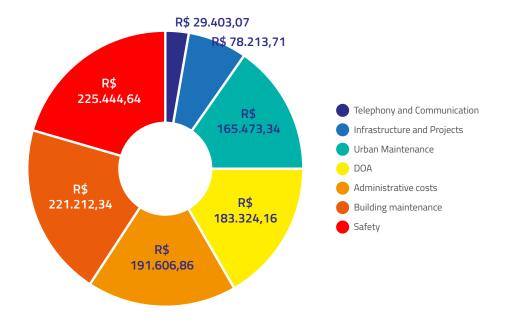
Investment in telephone and internet services.

Infrastructure and Projects

Investment in readjustment, renovations, constructions, acquisition of equipment and elaboration of projects.

Administrative and Operating Expenses (AOE)

Costs retained by the Coppetec Foundation to compensate for administrative expenses for the support provided to the project. In 2019, the disbursements³⁵ of the Polo unit were as follows:



Disbursements of the Park Biotechnology Pole unit in 2019

To learn more about the 2019 income statement, click here.

Contingency Reserve

(GRI 201-1)

The Park has a contingency reserve system. In addition to the rate of Operating and Administrative Expenses (OAE) that the Coppetec Foundation collects from PTEC-UFRJ as reimbursement for the support

provided to the project, a collection is also made monthly, in proportion to the revenues received, for contingency reserve formation to be used in investments in the Park. Its contingent balance, as of December 31, 2019, was R \$ 3,990,617.41.

^{35 (}GRI 102-48). In 2019, we changed the methodology for allocating resources of the Park. As a result, we did an exercise of backing up to the year 2017. You can see this exercise in the result demonstration of the year 2019, on page 89.



| Resources | Values |
|---|------------------|
| Collection (Head Office + Polo) in 2019 | R\$ 223.115,14 |
| Credit related to accumulated balances in 2019 | R\$ 1.500.000,00 |
| Financial Income in 2019 | R\$ 45.406,26 |
| Balance in 2018 | R\$ 2.222.096,01 |
| Total | R\$ 3.990.617,41 |

The estimated budget for making these investments is of the order of R \$ 3,980,023.20 according to the schedule, which can be seen by clicking here.

Eco-efficiency Management

(GRI 102-11)

This resource will be discontinued in 2020 and will be used for necessary investments in projects and infrastructure in the Park. The forecast is that by 2022:

Recovery in the air

conditioning system

of the CETIC building

Renewal of hall furniture

Urban infrastructure works

The Parque Ecoeficiente program is carried out with a view to reducing the impacts of our operations on the environment.

Urban infrastructure works along the Park's roads as a complement to paving



Recovery structural building of Administration



The square.



along the Park's roads, as a complement to Street lighting



Urban infrastructure works along the Park's roads as a complement to sewer connection



Landscaping design to finalize the living space: The program's objectives are: reconstruction of biodiversity, reduction of consumption of energy, water resources and correct destination and reuse of solid resources. Below, we present your results.

Biodiversity of the Park

(GRI 304-3)

THE PARK'S LANDSCAPE PROJECT WAS DEVELOPED WITH A VIEW TO PRESERVING EXISTING MANGROVE ARFAS AND RECOVERING DEGRADED VEGETATION OVER THE YEARS.

The Park's biodiversity is composed of species of restingas and Atlantic Forest. Its management is done through the implantation of the Parque Landscape Project.

Our environment is around 450,000 m², 350,000 m² of which is the head office of the Park, where 76,609.27 m² are composed of green areas, 3,411.37 m² of mangroves and 103,159.71 m² of the UFRJ Biotechnology Pole³6. These areas are of environmental preservation protected by law.

We annually revisit the landscape design and about 83% of what was designed is in place. As a consequence, there is a return of birds and mammals from the Brazilian fauna.

Energy

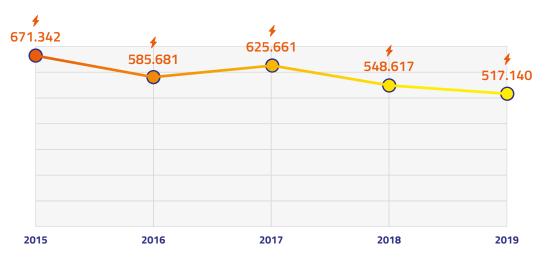
The energy consumed by the UFRJ Science Park is from an electrical source, which is supplied by the concessionaire Light. The methodology used to measure the energy consumed is made through a tool for monthly control of performance curves.

Under the administration of the Park are the buildings of the Park's head office – Access Building, Administration, CETIC, CEOP, Garden, MP and public

lighting. At the Biotechnology Pole, we are building a project to manage the theme.

The energy consumption of the Park's head office in 2019 was the lowest compared to the last five years. Consumption was 517,140 Kw / h, registering a 6%³⁷ reduction in consumption compared to 2018.

head offices. The goal for this year was to carry out technical and financial feasibility studies for the implementation of solar energy panels for the Administration, CETIC and MP buildings. These studies are expected to be carried out when the resources of the FAPERJ Project (approved in 2017) are released. For this reason, these studies are expected to be



Energy consumption in KW / h at the UFRJ Science Park head offices in 2019

Automation program for public lighting and exchange of compact fluorescent luminaires for LED luminaires were the actions implemented in 2019 to reduce energy consumption in the buildings of the Park's

carried out from 2020. These will be carried out in the context of the Living Lab Rio Program³⁸.

For 2020, the goal is to replace compact fluorescent luminaires in public areas with LED luminaires.

 $^{36\,\,}$ We do not have the information regarding the green areas of the Biotechnology.

³⁷ The reduction in energy consumption was not higher due to a defect at the water pump in October, which kept it on for more than 72 hours.

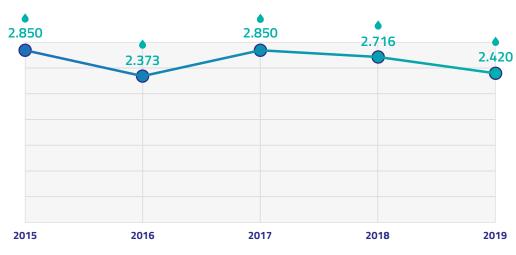
³⁸ To learn more about this project, see in the section Park and the Future the item Living Lab Rio.

Water

The Park's water supply is carried out by the company CEDAE / RJ. The methodology used by the Park administration to measure the consumption of the buildings owned by the Park's head offices — Access Building, Administration, CETIC, CEOP, Horto, Restaurant and MP – is the monitoring of daily consumption by meter. At the Biotechnology Pole we are building a project to manage the theme.

In the areas related to the Park's head offices, water consumption was 2,420 m³ in 2019, registering a reduction of 11% in relation to the previous year. This reduction is justified by the relocation of the hydraulic system to use rainwater for irrigation and by the program to control the records of water tanks and reservoirs to reduce drinking water consumption in the buildings of the Park.

For 2020, we plan to implement a rainwater catchment system in the buildings of the CE-TIC and of the MP at the head offices of the Park.



Consumo de água em m³ na sede do Parque Tecnológico da UFRJ em 2019

Resíduos

(GRI 103-1, 103-2, 103-3, 306-2)

Collection of common waste, composting waste for maintenance of landscaping and collection and disposal of recyclable waste – Recycle Park - are the three levels of the waste disposal system at the UFRJ Science Park.

The common waste collection system covers all solid waste classified as class II (non-hazardous) waste - A (not inert) - according to NBR 10.004 / 2004. The system is supported by a third-party company, duly licensed by INEA, which collects common waste daily and transports it to a waste transfer station (ETR), also licensed. For common waste, the evaluation is made by volume, since the number of 1.2 m³ containers is counted, according to the following table.



| | Biotechno | ology Pole | | Park Hea | d Offices | |
|-----------|----------------------|---------------------|----------------------|---------------------|----------------------|---------------------|
| | 20 | 19 | 20 | 19 | 20 | 18 |
| Month | Containers/ Month | Volume m³/ Month | Containers/ Month | Volume m³/ Month | Containers/ Month | Volume m³/ Month |
| January | 0 | 0 | 107 | 128,4 | 121 | 145,20 |
| February | 78 | 93,6 | 124 | 148,8 | 91 | 109,20 |
| March | 95 | 114 | 119 | 142,8 | 122 | 146,40 |
| April | 94 | 112,8 | 97 | 116,4 | 111 | 133,20 |
| May | 110 | 132 | 133 | 159,6 | 120 | 144,00 |
| June | 100 | 120 | 109 | 130,8 | 119 | 142,80 |
| July | 119 | 142,8 | 139 | 166,80 | 114 | 136,80 |
| August | 108 | 129,6 | 118 | 141,6 | 123 | 147,60 |
| September | 104 | 124,8 | 107 | 128,4 | 108 | 129,60 |
| October | 110 | 132 | 121 | 145,2 | 135 | 162,00 |
| November | 98 | 117,6 | 100 | 120 | 107 | 128,40 |
| December | 81 | 97,2 | 98 | 117,6 | 110 | 132,00 |
| Total | 1097 | 1316,4 | 1372 | 1646,4 | 1381 | 1657,2 |

Common waste per container and m³ at the Biotechnology Pole and at the Park's head offices in 2019

The common waste collected by the head offices of the UFRJ Science Park in 2019 was 1,316.4 m³, suffering a reduction of 0.65% in relation to the previous year. Regarding the data on the collection of common waste from the Biotechnology Pole, the results we have are since February 2019, due to the fact that these have passed on to the Park administration as of this date.

The sustainable destination of landscape maintenance waste is carried out by the composting process. Daily, the maintenance of the green areas in the Park generates an amount of organic matter from pruning, mowing and falling leaves from trees and shrubs. Composting rows were installed seven years ago, avoiding the monthly hiring of waste disposal companies, which allowed the use of this material as an excellent quality raw material for the recovery of degraded soils during planting and the maintenance of tree species and of vegetation cover. It has not yet been possible to determine the amount of land produced by this system, but we are studying a measurement system for this purpose.

The collection and disposal of recyclable waste from the buildings under the management of the Park is carried out by the Recicla Parque Project (Recycle Park Project). Implemented in 2017, the project - a partnership with the Laboratory of Applied Ecology at UFRJ - gradually introduced selective collection in the Park, internalizing environmentally correct practices.



In 2019, 323.30 kg of recyclable waste of various types were sent to waste pickers' cooperatives, in compliance with Decree 5.940 / 06, the guidelines of the Recicla UFRJ Commission and the Park's Sustainability Policy.

The destination of recyclables is monitored weekly by the Park team. The control of waste is done by a guide

| Recycable | 2018 | 2019 |
|-------------|-------|-------|
| Paper | 281,1 | 9,8 |
| Cardboard | 111,1 | 125,8 |
| Plastic | 9,8 | 53,8 |
| Glass | 2,1 | 42,8 |
| Metal | 0 | 0 |
| Tin | 2,3 | 5,3 |
| Oil | 0 | 0 |
| Tetrapak | 0,5 | 3,8 |
| Waste | 0 | 0 |
| Electronics | 24,5 | 0 |
| Battery | 7,9 | 0 |
| Total | 439,3 | 241,3 |

Recyclable waste in kg for cooperatives in 2019³⁹

for collecting recyclable materials (GRMR), which is certified by members of the City Hall, from recipient cooperative and the Park technical team.

Currently, the Park makes a pre-sorting of the waste, the Recicla CCS (Recycle CCS) - project of the Health Sciences Center at UFRJ - receives the recyclable waste from the Park and performs the entire sorting and processing process at its sorting center.

The UFRJ Science Park, in partnership with the

Recicla Orla Project (Recycle Edge Project)⁴⁰, the companies Polen, MJV, L'Oreal and Ambev, carried out, in September 2019, a task force to clean part of the waterfront in University City. This action counted on 80 volunteers – employees of the participating companies, students, teachers and administrative technicians at UFRJ – and collected 5,423 kg of waste, of which 1,465 kg was recyclable and 3,958 impurities / non-recyclable. All waste was disposed of correctly by partner company Polen.



³⁹ Data provided by the UFRJ Applied Ecology Laboratory.

⁴⁰ To learn more about the project, visit the website: https://www.reciclaorla.com.br/.



The Park also started two partnerships to work with the topic of waste within the scope of the circular economy. The first with the UFRJ Institute for Postgraduate Studies and Research in Administration - COPPEAD and the Social Responsibility Laboratory of the UFRI Institute of Economics - Lares IE UFRI around the circular economy research and extension project for solid waste at the UFRJ Science Park and the second with a partnership between Engepol -Polymerization Engineering Laboratory, INEA - State Environment Institute, SEAS - State Secretariat for Environment and Sustainability, Government of the State of Rio, Naval and Ocean Engineering at COPPE / Polytechnic / UFRJ and OceanPact, around the project to rehabilitate the edge of the University City Bay. To learn more about these projects, see the section Park And The Future.

Transparency and Integrity Management in the Park

(GRI 103-1, 102-16)

The UFRJ Science Park adheres to the Integrity and Transparency Policy of the Foundation for the Coordination of Projects, Research and Technological Studies - COPPETEC⁴¹, bearing in mind that the financial and operational management of the Park receives support from the Foundation.

In a complementary way, the Park develops the Parque Transparente (Transparent Park) program, which consists of a series of actions that make relevant and public information about the Park and its management public. On the Park's website there is a page called Parque Transparente (Transparent Park), which makes it possible to learn about the management activities of the UFRJ Science Park and the functioning of its institutional governance and is continually updated, as the actions take place.

In addition to serving as a channel for the dissemination of information, both the website and the social networks used by the Park are featured as an online communication and accountability channel.

With regard to ethics and integrity, the Park has values, principles, standards and norms of behavior developed in 2016 in cooperation with a team of consultants, specialists and partners, made available in its 2016–2045⁴² Strategic Planning. In addition, besides to the Strategic Planning and the General Regulation, the Park also has an Operational Regulation, Land Use Regulation, Support and Sponsorship Policy and Sustainability Policy,

instruments that assist in the exercise of effective and transparent management

For 2020, the goal is to start drafting the Science Park's Integrity and Transparency Policy, an action that is part of the strengthening of its governance and management system.

⁴¹ To see in detail the COPPETEC Foundation's Integrity and Transparency Policy, access the Foundation's website through the link: http://www.coppetec.coppe.ufrj.br/site/documentos/politica_integridade_2017.pdf

⁴² To see the complete 2016-2045 Strategic Planning of the UFRJ Science Park, access the link: http://www.parque.ufrj.br/wp-content/uploads/2017/04/plano_estrategico.pdf





Big companies:









SIEMENS











On 12/31/2019, the Park had 31 resident organizations, being ten research centers of large companies, 12 small and medium-sized companies and nine UFRJ laboratories. Throughout the year, three startups from CrowdRio, a company acceleration program in partnership with Telefônica Open⁴³, were also present.

Below we list the resident organizations on 12/31/2019:

Small and medium-sized companies:

























Laboratories and Institutions:















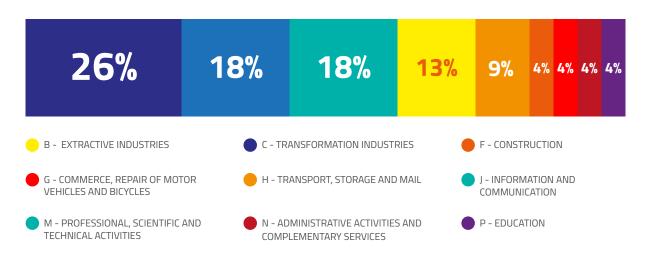




⁴³ To learn more about the program, see page 70.

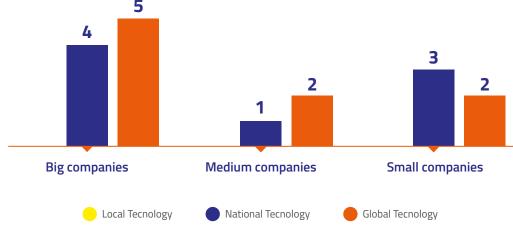


The resident organizations of the Park are divided into the following sectors according to the CNAE:



Sectors according to CNAE of the resident organizations of the Park in 2019

The technologies developed by the resident organizations of the Science Park⁴⁴ are of national or global scope, as shown in the graph beside.



Level of coverage of the Park's resident organizations in 2019

⁴⁴ These data are referring to the following organizations: Ambev; Benthic, CEGN, Dell EMC, Embrapii, Green Fund, Halliburton, Labneo, Lamce, Manserv, MJV, Neopath, Petrec, Promec, Schlumberger, Senai Cetiqt, Superpesa, TecnipFMC, Tenaris, Twist, Vallourec and WIKKI.



It appears that 52.9% of the technologies produced by the Park's organizations are global in scope and 47.1% are national in scope. If we analyze the size of the organizations, it appears that for large and mediumsized companies, most technologies are global in scope, respectively 56% and 67%. Regarding small companies, we realized that most of the technologies produced are nationwide (60%).

Technologies developed by residents in 2019 were on the following themes:

| Agronomy | Electromagnetic Compatibility | Mathematical Modeling |
|------------------------------------|-------------------------------|-----------------------------|
| Analytics | Sensory Physiology | Petrophysics |
| Industrial automation | Geosciences | Natural Language Processing |
| Molecular Biology and Microbiology | Artificial Intelligence | Robotics |
| Biotecnology | loT (Internet of things) | Computer Simulation |
| Botany | Logistics | Chemical Synthesis |
| Bromatology | Machine Learning | User Experience |
| Materials Science | Additive Manufacturing | Voice Over IP Communication |
| Cloud Computing | Fluid Mechanics | _ |

Soil Mechanics



Data Science





Science parks have the prerogative to boost regional and national economies, adding knowledge and technological innovation content. The UFRJ Science Park strives daily to fulfill its role and to stimulate the creation and development of innovative companies, to promote the interaction of these companies with UFRJ and other research and technological development centers, in addition to helping to spread a new entrepreneurial and innovative culture in the region. Below we present the impacts of our activities for UFRJ, for resident companies and for the region where the Park is located.

innovation of high added value and impact on the socioeconomic development of society.

Below we present the actions, projects and programs carried out in 2019 to encourage the integration of companies and universities.

ADI UFRJ Program - Academic Doctorate for Innovation

Business-university integration

The reason for the Park's existence, the integration of companies and universities aims to respond to the final objective: "to promote the continuous increase of the ecosystem's innovation capacity" in the Park's strategic planning 2016–2045, in addition to the final objectives 1, 3, 4, 5, 6 and 7 of Resolution 10/2018.

We believe that the innovative capacity of an ecosystem depends on the connections and interactions that can be made between the actors that make up this network, and, therefore, the Park acts as a connecting agent between resident organizations, research centers, universities, students, investors, among others, seeking to enhance the capacity for

At the end of 2018, CNPq - National Council for Scientific and Technological Development - launched a call to select proposals from scientific, technological and innovation institutions (ICTs), which demonstrated the capacity to execute the DAI Program - Academic Doctorate for Innovation . This opportunity came against an action that was already being planned by the Park, aiming to contribute to increase the innovative capacity, the competitiveness of companies and scientific and technological development in the country, at the same time that it intends to strengthen regional innovation systems. The Park in partnership with the Dean of Graduate Studies and Research -PR2, submitted a proposal to CNPq, being selected for the implementation of the program at UFRJ from 2019. The DAI UFRJ Program - Academic Doctorate

for Innovation, is, therefore, financed by CNPq and by partner institutions / companies - residents (MJV, Neopath), from the COPPE / UFRJ Business Incubator (TOCO, VortexMundus), in addition to Braskem and the Institute of Molecular Biology of Paraná (IBMP).

For the development of the Program, nine doctoral students - from the courses in Medical Clinic, Civil Engineering, Production Engineering, Transport Engineering, Ocean Engineering, Chemical Engineering and Computer Science - were selected by public call for proposals for the next four years - a scholarship worth the current CNPq scholarships to develop their research and, consequently, theses under academic guidance and supervision by one of the partner companies, for which the student was selected.

Thus, we contribute to overcoming technological challenges of the participating organization / institution for which it has applied. Two students were not eligible to receive the scholarships, therefore, seven of the nine scholarships were implemented.

This program brings UFRI's academic community closer to highly qualified technology-based companies, creating opportunities for new cutting-edge research projects.



In addition to providing opportunities for UFRJ students and facilitating students insertion in the job market.



R\$ 1.245.120,00

Value raised with CNPq to be used over 4 years



5 Park environment companies and

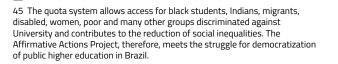
partner institutions cooperating with UFRJ

UFRJ graduate programs cooperating with institutions from the Parque and external environment

graduate scholarship students

Affirmative Action Scholarship Program

This Program aims to distribute master's scholarships to quota students enrolled in UFRJ's graduate programs as Affirmative Action⁴⁵. To this end, a public notice was launched in 2019, whose objective was to select 20 Stricto Sensu graduate programs that had implemented the quota system as an affirmative action. The programs able to participate in the distribution of master's scholarships to enrolled quota students were: Social Anthropology, Performing Arts, Information Science, Literature Science, Communication, Law, Science and Health Education, Education, Electrical Engineering, Mathematics Teaching, Philosophy, Geography, Comparative History, Meteorology, Urban and Regional Planning. Public Policies in Human Rights, Psychology, Social Work, Sociology and Anthropology. In total, 19 programs were considered suitable, but two programs did not respond to the call for the implementation of scholarships, therefore, 17 scholarships were distributed.







Residents Graduate Scholarship Program

Another program that provides opportunities for UFRJ students and facilitates their insertion in the job market is the Residents' Graduate Scholarship Program. Upon learning about the residents' challenges and realities, participating students have the possibility to develop their research with greater potential for market application.

This program aims to: (i) contribute to the training of human resources at the postgraduate level for applied research, technological development and innovation, (ii) foster innovative projects through academic research and (iii) assist companies partners in the



development or improvement of products, processes and services that favor the advancement of strategic economic sectors.

In 2019, Ambev implemented the program by launching an announcement that included four scholarships for doctoral students during the four-year period. Interested students should submit a research proposal related to the themes of liquids and packaging. Six students suggested proposals and three were approved. For 2020, the goal is the opening of a new public notice to fill the bag that was left idle.

called Instituto HUB, was formed. Its area of expertise is STEAM (Science, Technology, Engineering, Arts and Mathematics) and its purpose is to develop mechanisms to support and promote local and regional innovation movements. Throughout its trajectory, the HUB Institute supported institutionalized student organizations such as EJs and competition teams and non-institutionalized ones as makers and hackers, at the university, as well as outside it. In addition, he developed several activities open to the community – Arduino Day, Scraping Public Data with Python, etc. – and projects with organizations such as L'Oreal, Mobicare and UFRJ's Science Park Administration itself.

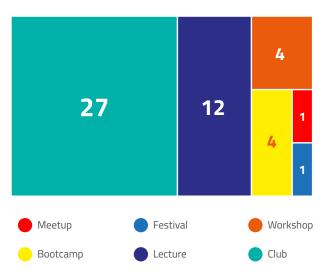
In 2019, the Institute developed two major projects:
(i) interacted with the resident company Mobicare through immersion in the universe of new technologies, especially internet of things, data science and cloud computing and (ii) developed, in partnership with Benfeitoria, the Instituto HUB channel - on the platform - whose objective is to create a support program for new ventures in STEAM (Sciences, Technology, Engineering, Arts and Mathematics) based on the objectives of Sustainable Development using collective financing. This project is supported by FabLab from Casa Firjan and Labora / Oi Futuro.



HUB Institute

As a result of a dynamic mapping carried out in the UFRJ ecosystem, the HUB UFRJ project was originally consolidated as a special project supported by the UFRJ Science Park and the UFRJ Innovation Agency.

In 2018, the HUB UFRJ project gained the shape of an institute and, in 2019, a private non-profit association,



Activities developed by Instituto Hub in 2019



Besides, it carried out 59 activities including lectures, festivals, bootcamps, meetups, workshops and clubs, whose themes are in the following word cloud.

projects. It is also the objective of the Park to develop the relationship between resident organizations, institutions and laboratories, as this way we increase the ecosystem's innovation capacity.

In order to achieve these two objectives, throughout 2019, the Park held 72 integration events.





Number of events by category in 2019

Integration events

(GRI 103-1)

One of the finalistic objectives of the Park is to bring the academic community of UFRJ closer to highly qualified technological-based companies, creating opportunities for new cutting-edge research Next, we present the events by categories and the audience reached. In total, the integration events produced by the Park in 2019 were attended by 6,125 people. Among them are teachers, students and administrative technicians from UFRJ, employees of the residentes companies of the Park, employees of companies that transit through the innovation environment of the Park, prospects and an audience external to UFRJ as a whole.



| CrowdRio | In these events, the Park conducts workshops for the development of a startup. Some events are specifically for startups in the Crowdrio Program and others are open to startups in the Park's innovation environment. | 137 |
|----------------------------------|---|------|
| Divulgation | In this model, the Park launches its own programs or those of partners, whose themes are research, development and innovation. | 389 |
| Connections | In this format, researchers and resident organizations introduce themselves to an organization or group of them. The goal is to bring together and establish new university-business relationships. | 220 |
| Meetings In The Park | In these events, a topic is discussed from more than one perspective, being approached by academia, industry and often also by specialist professionals and other organizations. | 328 |
| Unique events | In this format, the Park runs events to integrate the Parque-UFRJ community without ties to other existing programs. | 238 |
| Gastronomic and Cultural Fair | In these events, a favorable environment is provided for the integration of resident organizations and institutions with each other and with UFRJ. Three annual editions are offered with street food prepared by UFRJ students, in addition to a happy hour with live music. | 4265 |
| Open Talk | In this model, the Park opens its doors for specialists to share their knowledge with resident companies and the Park's relationship network in general. | 36 |
| Trajectory X | In this format, meetings are held to discuss topics related to being a woman and work. | 32 |
| Environmental Responsability | In this model, the Park mobilizes its community for actions of environmental responsibility. | 80 |
| Arraiá Pirapoca In The Park | In this event, a favorable environment is provided for the integration of resident organizations and institutions among themselves and with UFRJ through a June party. | 400 |

"Connections" program

The Connections program deserves to be highlighted, because in addition to being an event, it is also a strategy adopted by the Park to encourage technical and scientific cooperation between instances of UFRJ and resident organizations of the Park in 2019. The objective of the program is to bringing UFRJ closer to resident and external organizations and institutions.

In this format, researchers / professors are invited to present potential technologies or lines of research that can contribute to increasing the innovative capacity of residents. This program allows interactions for possible research projects and transfers of technologies and know-how from UFRJ to companies.

In 2019, three editions were held: Digital Transformation, Beverages and Cosmetics



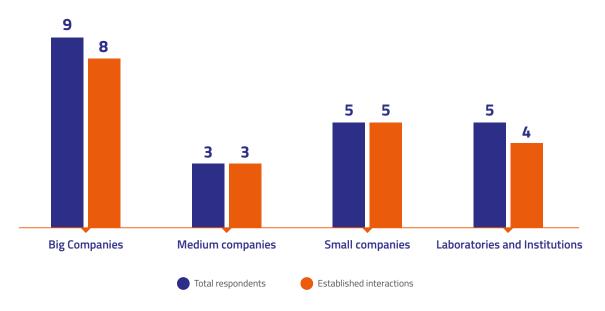
Residents' perception of interactions established with each other

In order to assess the residents' perception of the interactions established with each other with the incubated companies and with the laboratories installed in the Park, a survey was conducted whose results will be presented below.

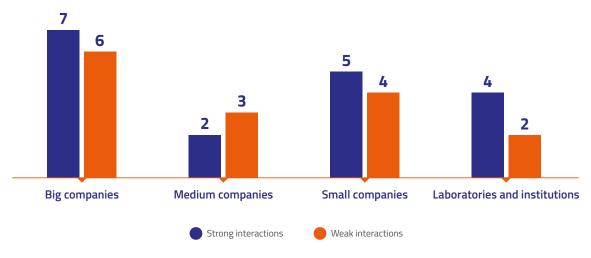
Of the total respondents, 22 resident organizations, institutions and laboratories⁴⁶, 91% of the residents established some type of interaction with each other.

Of the organizations that responded to the survey, only two declared that they had not established any type of interaction with another resident of the Park in 2019.

Ensure that the number of organizations that interacted in 2019 was greater than in 2018, as well as the number of interactions, as shown in the following graph.



Total number of residents who responded to the survey and interacted with other organizations in the Park's ecosystem in 2019

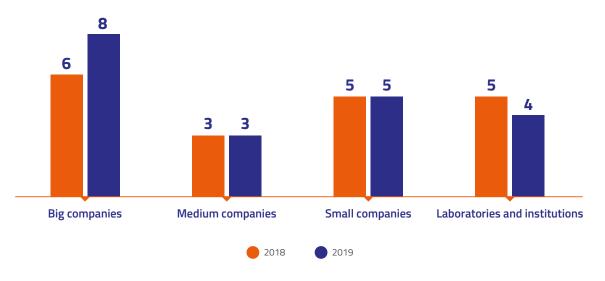


Types of interaction established between the ecosystem organizations of the Park in 2019

UFRJ SCIENCE PARK SUSTAINABILITY REPORT

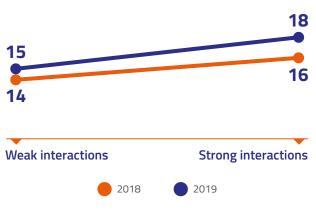
⁴⁶ Resident organizations, institutions and laboratories that answered the research were: Ambev, Benthic, CEGN, Dell EMC, Embrapii, Green Fund, Halliburton, Labneo, Lamce, Manserv, MJV, Neopath, Petrec, Promec, Schlumberger, Senai Cetiqt, Superpesa, TecnipFMC, Tenaris, Twist, Vallourec and WIKKI.





Comparison of the number of residents who interacted with other Park organizations in the years 2018 and 2019

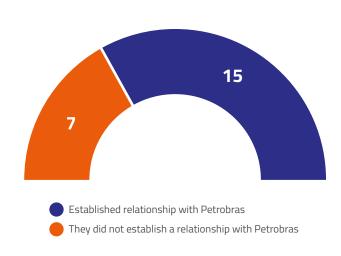
In relation to 2018, it appears that the Park's organizations interacted more in 2019, as can be seen in the image below.



Comparison of the number of residents who interacted with other Park organizations in the years 2018 and 2019

Another important point to rate the innovation ecosystem is to understand the relationship between the Park's residents and companies in the respective production chains. To assess this issue, the Park companies were asked whether they had provided any products, services or established any technical cooperation with Petrobras in 2019.

In 2019, 68.2% of the companies that responded to this survey had provided some product, service or established some technical cooperation. All of them participated in the oil and gas production chain in some way. If compared to the previous year, it appears that the percentage of companies interacting has doubled.





Cooperation companies-UFRJ

(GRI 103-1)

In order to stimulate technical and scientific cooperation between the instances of UFRJ and the resident organizations of the Park, in 2019, technical visits were made to UFRJ laboratories, as well as to the main forums of the university, such as: the Teaching Council for Graduates (CEPEG) and the University Council (Consuni), in addition to participation in meetings of the UFRJ Centers.

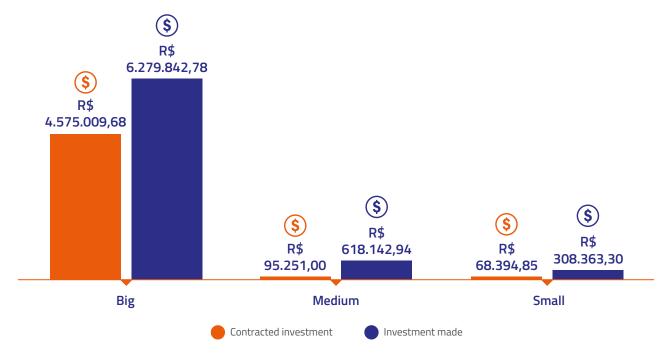
Along with the residents, throughout 2019, the Park raised potential demands and challenges in terms of Research, development and innovation (RD&I) in order to establish direct and continuous channels for the promotion of university-business cooperation.

This survey took place based on individual monitoring meetings of resident organizations called Integration Cells. For 2020, the goal is to

identify possible laboratories, research groups or professors at UFRJ who can interact with the Park's resident organizations and institutions. From these interactions, R\$ 7,206,349.02 was invested⁴⁷ in 135 cooperation projects with UFRJ in 2019.

It appears that more than 80% of the value of the investments contracted and carried out in cooperation with UFRJ comes from large organizations.

This percentage remains stable when compared to 2018.



Investment contracted and carried out by the Park organizations in 2019

⁴⁷ The Investments made in 2019 include contract projects in 2019 and in previous years. Not every project contracted in the year has the expenditure accomplished in the same year.



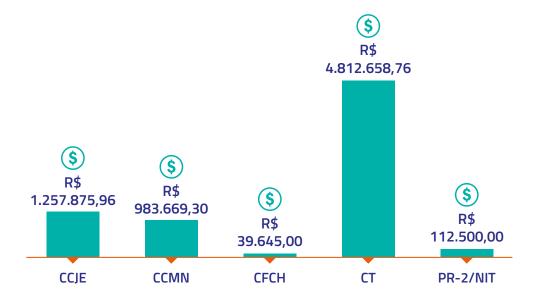
Unlike in previous years, in 2019 Park organizations disbursed almost twice as much as the value of contracted projects and invested a little more in 2019 than in 2018.



Comparison between Investment contracted and carried out by Park organizations in 2019

In terms of investments made in academic centers, it appears that five centers received investments in 2019. Of these investments, 66.8% were made at the

Technological Center (CT), 17.5% at the Center for Legal and Economic Sciences (CCJE), 13.7% at the Center for Mathematical and Nature Sciences (CCMN), 1.6% at the UFRJ Innovation Agency (PR-2 / NIT) and 0.6% at the Philosophy and Human Sciences Center (CFCH).



Investments made by UFRJ academic centers in 2019



The graph below shows the investments made in cooperation by departments of UFRJ.



Investments made in 2019 by academic unit of UFRJ

Investments made in the CT - representing 66.8% - were in the following academic units: Alberto Luiz Coimbra Institute for Graduate Studies and

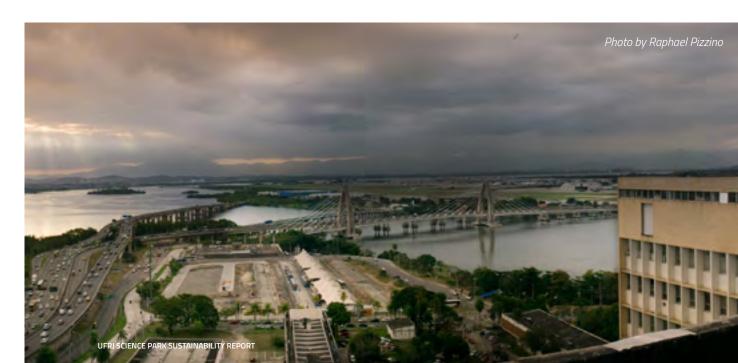
Engineering Research (COPPE), Polytechnic School (POLI), School of Chemistry (EQ), Macromolecules Institute (IMA) and COPPE / UFRJ Business Incubator. As in previous years, investments made at COPPE constitute the majority of the amounts invested in cooperation when compared to all departments in all centers, representing 55.2%. Taking into account only the Technology Center, the amount invested in COPPE represents 82.6%, following POLI with 9.9%.

The investments made in the Center for Legal and Economic Sciences (CCJE), occupied the percentage of 17.5%, with the amount invested in the COPPEAD Institute representing 99.2% and 0.8% invested in the

Faculty of Administration and Accounting Sciences (FACC).

At the Center for Mathematical and Nature Sciences (CCMN), investments were made in the following academic units: Institute of Physics (IF), Institute of Mathematics (IM), Institute of Chemistry (IQ) and Nucleus of Electronic Computing (NCE). The investments made occupied the percentage of 13.7%.

The other units, which can be seen in the chart above, accounted for 2.2% of the investments made in terms of cooperation between the Park's organizations and UFRI.

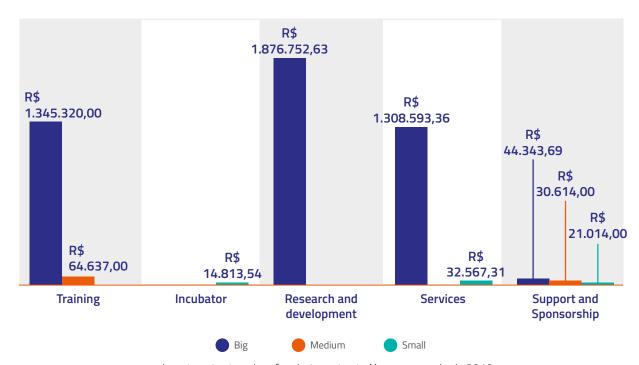




Projects contracted in 2019 in cooperation between companies-UFRJ

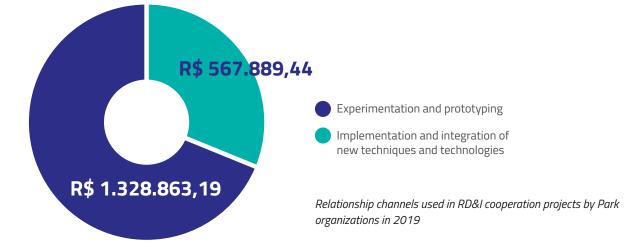
Ensure that in 2019, resident organizations contracted four projects that together add up to the amount of R \$ 1,876,752.63 in RD&I projects. This amount represents 40% of the contracted investments (R \$ 4,738,655.53) in 2019.

The rest of the investments made were in support / sponsorship (2.0%), training (29.8%), services (28.3%) and in the COPPE / UFRJ Business Incubator (0.3%), according to the graph beside.



Investment categories of projects contracted by company size in 2019

Of the projects invested in RD&I, it appears that 70.8% are linked to experimentation and prototyping - they develop RD&I project specifications or prototypes of new or improved products or processes, that is, they test ideas and 29.2% have to do with the implementation and integration of new techniques and technologies, the use of new technology or technique in a project already in progress or product / process already on the market for improvement or to follow a new technological route.



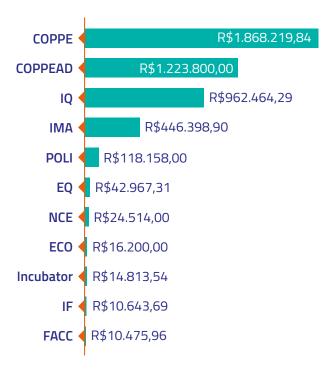


Regarding the investments contracted by academic centers, it appears that 52.5% were in the CT, 26.1% in the CCJE, 21.1% in the CCMN and 0.3% in the CFCH, as shown in the graph below.

R\$ 31.180,85 CT R\$ 91.751,00 R\$ 2.367.625,74 R\$ 16.200,00 CFCH R\$ 21.014,00 R\$ 3.500,00 CCMN R\$ 973.107,98 CCJE R\$1.234.275,96 Small Medium

Investments contracted by academic centers and by size of resident organizations in 2019

The investments contracted in 2019 by academic units were as follows:

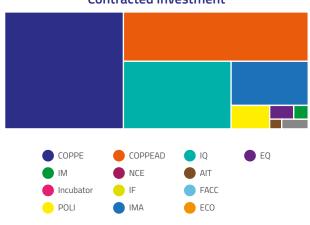


Investments contracted in 2019 by UFRJ department

In terms of the investment contracted in cooperation with the academic units of UFRJ in 2019, we see something very different from the investments made this year⁴⁸.

In 2019, 39.4% of the investments contracted were with COPPE - the percentage was 55.2%; 25.8% with COPPEAD - the percentage was 17.3%; 20.3% with Instituto de Química - the percentage was 8.4%. The other departments share the rest of the 14.4% of the contracted resources - the percentage was 19.1%, as shown below.





Comparison between investments made and contracted by department of UFRJ in 2019

⁴⁸ For comparison, check page 66.

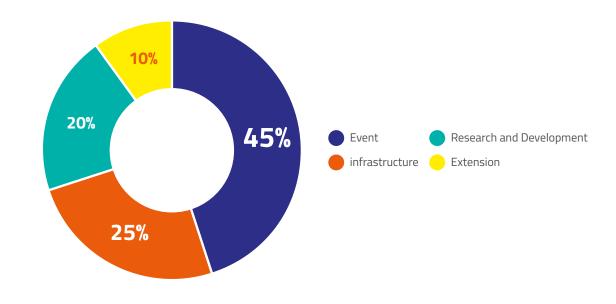


UFRJ Initiatives

In 2019, 20 proposals for UFRJ Initiatives were submitted to the Articulation Management Committee, all framed as cooperation. Compared to 2018, the number of requests to support UFRJ's initiatives decreased by 20%.

Of the proposals framed as cooperation, 45% were events, 25% infrastructure, 20% R&D projects and the remaining 10% were related to the extension scholarship

In total, nine UFRJ initiatives were supported, five of which were approved by the Articulation Management Committee and sent to the resident companies for consideration.



Percentage of initiatives submitted to the Committee by category in 2019

UFRJ INITIATIVES ARE PROJECTS SENT BY THE
UNIVERSITY TO RECEIVE INVESTMENTS FROM
COMPANIES. FOR THIS TO OCCUR, IT IS NECESSARY
THAT THESE PROJECTS GO THROUGH THE
ARTICULATION MANAGEMENT COMMITTEE AND BE
FRAMED AS PROJECTS TO BE ACCOUNTED FOR AS
COMPANY COOPERATION WITH UFRI.

Affirmative Actions Award

The Affirmative Action Award is a project supported by the Park and aims to select, annually, five works developed in the UFRJ graduate programs that have the Affirmative Action theme, in order to give visibility to the different approaches related to them, as well as as its importance for an inclusive vision of society, its interface with the theme of human rights and the role of university education in this debate. In 2019, two works were selected:

Thesis

"The competition of cities for innovation and gentrification processes in the Digital Harbor (Porto Digital) and 22 @ Barceloma cases", by author Tarciso Binoti Simas (Urbanism (PROURB)).

Dissertation

"Analysis of audio-written images in a textbook: a look at the epistemology of Gaston Bachelard in the teaching of chemistry for the blind", by the author Cristiana de Barcelos Passinato (Teaching Chemistry (IQ)).

And there was an honorable mention:

"Teaching History to deaf students in inclusive classes: practices and proposals", by author Paulo José Assumpção dos Santos (Teaching History (IH)).

CrowdRio Program

(GRI 103-1)

In partnership with Telefônica Open Future, UFRJ Science Park offers the CROWDRIO program for the development of digital and IoT businesses. The program provides support for transforming ideas into

enterprises or for strengthening existing businesses.

The startup pre-acceleration program, based on the Lean Startup methodology, is structured in three cycles of four months, as shown in the diagram below and allows ideas to be validated and, over the period, to become companies.



The first cycle is the Business Modeling, which aims to work on the maturation of the business model of startups from the construction of a value proposition. Also included in this phase are activities to strengthen the composition of the teams and the corporate agreements between its members.

The second cycle, building the MVP, comprises the use of agile development methodologies to create an initial solution prototype (MVP) with a focus on the user experience.

The third cycle, Commercial Insertion, covers the construction of strategies to reach the first sales. This includes defining the monetization and pricing model, selecting marketing and communication strategies, and training in sales and negotiations. Throughout the evolution of the three cycles presented, the validation steps occur, which are interactive processes carried out by startups to test and confirm their solution hypotheses. In 2019, there was a class at CrowdRio. Until the month of August / 2019 activities were carried out in the second and third cycles of the program and the startups of the class started in 2018, listed below, participated.









| Startup | Brief Updated Description |
|------------|--|
| 4Mart | 4Mart develops solutions, using artificial intelligence and control algorithms, for image recognition, location and movement management, behavior of objects and people, thus allowing decision making based on reliable information in real time. |
| Bela Horta | Bela Horta is an education service for planting in urban areas. Through workshops, it teaches children environmental responsibility and the importance of healthy eating. |
| Licentium | Licentium is a distributed network that uses blockchain technology to register scientific research data plans and publish with the due individual copyright of a collective work. |

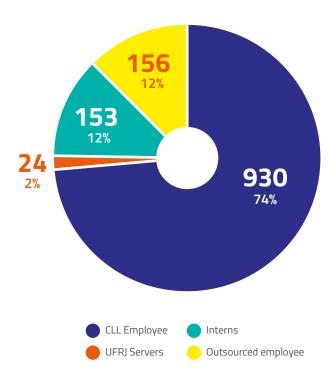
Softland

Softland is the Park program that develops partnerships with innovation environments in Brazil and abroad to exchange resident companies, enabling the expansion of social networks and increasing business opportunities.

The Park offers residents the opportunity to experience the markets of China (TusPark), the United States (Oklahoma County) and within Brazil in the ecosystems of Porto Digital-PE and Tecnopuc - RS, through the Softland program. In addition, PTEC-UFRJ frequently receives internationalization actions offered by partners, such as: APEX, ANPROTEC, Sebrae, Firjan and encourages its residents to participate.

Generation of jobs in the Park

In 2019, the Park had a total of 1,263 professionals employed⁴⁹, distributed in the Park's administration, resident organizations⁵⁰ and installed laboratories.

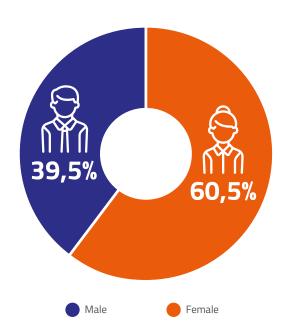


Percentage of employees in the Technological Park by employment contract in 2019

^{49 (}GRI 102-48) It is not possible to compare 2019 data with 2018 data, since we changed the way of accounting. In 2019, we started not to account for the Incubator'smanagement and resident employees, since the Park stopped providing services for the same in September 2019.

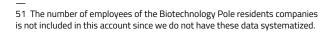
⁵⁰ The number of employees of the Biotechnology Pole residents companies is not included in this account since we do not have these data systematized.

It appears that 60.5% of the professionals employed in the Park⁵¹ are male and 39.5% are female.

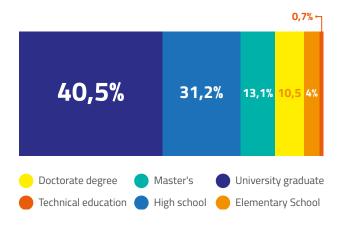


Percentage of employees in the Park by sex in 2019

The qualifications of Park employees – organizations⁵², resident laboratories and Park administration⁵³ – are mostly graduates (40.5%) and 26.6% of Park8 workers have a master's and doctorate, as shown below.



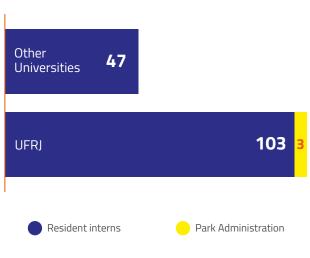
⁵² The number of employees of the Biotechnology Pole residents companies is not included in this account since we do not have these data systematized.



Percentage of employees in the Park by training in 2019

Internships in Park Administration and residents

The total number of internship jobs at the UFRJ Science Park in 2019⁵⁴ was 150⁵⁵. Regarding the number of interns from UFRJ, it appears that there are a total of 106 interns, representing 69% of the total number of vacancies.



Number of interns at the Park

Intellectual property

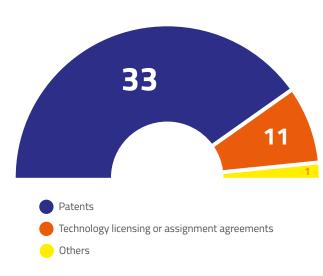
The number of requests for an intellectual property title is one of the indicators used to assess innovative activity in organizations. In the case of Park organizations, there are those that, instead of using patents, believe that it is more appropriate to work with the notion of industrial secrecy.

⁵³ The percentage of outsourced employees in the Park is not included in this account since we do not have these data systematized.

^{54 (}GRI 102-48) It is not possible to compare 2019 data with 2018 data, since we changed the way of accounting. In 2019, we stopped adding trainee and trainee data, counting only the number of interns. Only from that, it is valid to inform that the number of interns in 2019 it was higher than the accounting of interns and trainees in 2018.

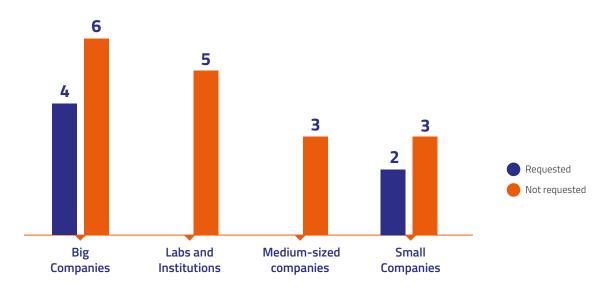
⁵⁵ This number refers to the following organizations / institutions: Park Administration, Ambev, Benthic, CEGN, Dell EMC, Embrapii, Fund Green, Halliburton, Labneo, Lamce, Manserv, MJV, Neopath, Petrec, Promec, Schlumberger, Senai Cetiqt, Superpesa, TecnipFMC, Tenaris, Twist, Vallourec and WIKKI.

That said, we found in a survey conducted with resident companies in 2019, that 26.1% of them, that is, six companies, requested some intellectual property title, while the vast majority – 73.9% (17 companies) – declared not having asked for it. 33 titles were deposited in the patent category, a technology licensing or assignment agreement and 11 in an uninformed category.



Number of intellectual property title applications in 2019

It appears that in 2019, the Park organizations that requested some intellectual property title, were large and small. The percentage of companies that made this type of request, both among large and small, was the same: 40%.



Number of residents, by size, who applied for intellectual property title in 2019

Compared to the previous year, there was an increase of 36,5%. In the accumulated result, 208 intellectual property titles have already been deposited due to research carried out at the UFRJ.

Providers

(GRI 102-9;102-10)

Our suppliers are selected according to the best public procurement practices, including Law 8.666 (Tenders). All procedures (registration, verification of their compliance

with legislation and contracting) are carried out by the COPPETEC Foundation, which manages the Park's financial management. In what it refers to contracting services and purchasing materials, goods and equipment, the Park, through its support foundation, always seeks to obey the principle of economy. For this, a series of rules and procedures are used, such as the quotation of at least three prices for each contract and acquisition and bidding procedures. Aiming to stimulate local development, the Park seeks to disclose its purchase demands to local suppliers, so that they can participate in public competition processes (GRI102-9).

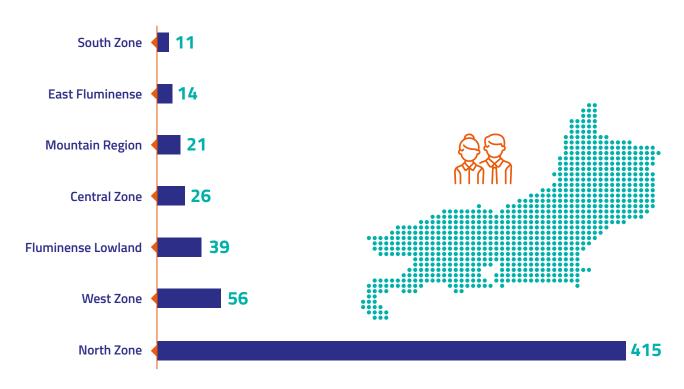


For 2019, the goal was to define the parameters necessary to establish a supply chain policy, which failed to be achieved, remaining as a target for 2020.

During the year, 645 contracts were signed with suppliers providing services for events, material for building maintenance, space conservation and landscaping, office supplies, printing services, consulting, licenses and software, waste collection service, communication, telephony, among otherss (GRI 102-9).

With regard to geographic aspects, it appears that 90.2% of suppliers live in Rio de Janeiro, the vast majority of whom live in the vicinity of the University City⁵⁶ (77%) – with 3.8% of suppliers located in the neighborhoods: University City, Maré and Ilha do Governador) (GRI 102-10).

It is important to highlight that the Park's continuous services, contracted through a bidding process, such as property security, waste collection and maintenance of green areas, in effect during 2019,



Number of hires by region in the state of Rio de Janeiro

⁵⁶ North and Central Zone of the City of Rio de Janeiro.



proved to be technically and economically more favorable compared to same university contracts, as can be seen below:

Property security

The UFRJ Contract, which has 16 unarmed stations, eight of which are daytime and eight at night, has a cost per position 2.07% lower than the PTEC-UFRJ contract, which has two unarmed stations, one daytime and one night. Considering the difference in scale between the contracts, this seems to be a justifiable difference.

Waste Collection

The cost of collecting a waste container under the PTEC-UFRJ contract is 16% lower than that contracted by UFRJ.

Maintenance of green areas and street sweeping

Considering the cost per square meter, the cost of the PTEC-UFRJ contract is 29% less than the cost of the UFRJ contract.

To find out about the calculation basis, clique aqui.

In addition, the Park values the partnership with the University's Academic Units. In 2019, with the collaboration of the Polytechnic School of UFRJ, the structural integrity check service of the Administration building of PTEC-UFRJ was executed. Since 2015, PTEC-UFRJ has partnered with the Faculty of Arts to provide translation services for institutional material, such as: Newsletter, PTEC-UFRJ website, Activity report, Folders and other physical materials.

Besides that, the services contracted with Insight Empresa Júnior de Psicologia at UFRJ were continued to provide the Competence Mapping and Performance Assessment service of the Science Park team. The amount disbursed in 2019 for this contract was R \$ 3,193.74.

In order to carry out the design services for electrical installations of the Park Operations Center and construction of the new low voltage connection project at the Biotechnology Pole, in 2019, Fluxo Consultoria, a Junior Engineering Consulting Company at UFRJ was hired. The two contracts add up to R \$ 12,800.00, disbursed in 2019.

Corporate social responsibility

Another strategy we have adopted to diversify the contacts of the companies in the Park with the UFRJ laboratories is the realization of projects that the nature is related to corporate social responsibility.

In 2019, in partnership with the Institute of Mathematics (IM), the Park visited three resident organizations: Dell, Twist and Laboceano. This action aims to promote the project #MeninasOlímpicas of IMPA (Institute of Pure and Applied Mathematics), coordinated by an IM teacher, the effective presence of girls from five public schools in the state of Rio de Janeiro and five undergraduate students in mathematics, from universities federal, with activities related to this area, including school olympics, so that they can be interested and develop careers in the scientific and technological scope.

In addition to this action, the Park and its resident companies, in 2019, supported 12 more actions that benefited several audiences located in the state of Rio de Janeiro. Are they:



| Action name | Description of the action | Organizations and institutions involved | When happened |
|--|---|--|------------------|
| Winter clothing campaign | Collection of warm clothing and clothes (children's and adult) for donation to 60 people from charities | Halliburton | jan/19 |
| Visit of young people from the Dell Startup Project to the Park | Visit of young people from the Dell Startup Project to the Park | Dell | feb/19 |
| Easter Campaign | Distribution of Chocolates to 200 children from an orphanage in Macaé | Halliburton | apr/19 |
| Park Dogs | Rescue, treatment and accommodation of abandoned animals in the Park / surroundings in a sustainable way, promoting adoption in fairs and in the Park's gastronomic and Cultural Fair. In 2019, 20 animals were rescued | DELL, Siemens, TecnipFMC, petrobras, técnicos administrativos, decentes da UFRJ | may/19 |
| SEED | Construction of a music room for people with disabilities | Schlumberger | sep/19 |
| Blue Talent | Training and qualification course for people with disabilities for the labor market | Schlumberger | oct/19 |
| Women in STEAM | Lecture with the participation of STEM for Girls and UFRJ for employees, students of UFRJ, surrounding high school and TechnipFMC employees | TechnipFMC | oct/19 |
| Olimpic Maré | The Olimpic Maré project aims to encourage students from public schools in Maré to participate in the Brazilian Public Schools math Olympics (OBMEP). In 2019, students from schools in Maré participated in the second phase of the Mathematics Olympics in 2018 to demonstrate the importance of mathematics in their daily lives | Neopath, DELL, Halliburton, Schlumberger, Promec, Twist | nov/19 |
| | Screening of films and debate on gender diversity | TechnipFMC | nov/19 |
| Solidary Christmas | Distribution of toys to children of police officers of the 17th BMP | Halliburton, PROMEC | dec/19 |
| Christmas campaign | Collection and distribution of toys for children at Municipal School Ten. Antonio João | TechnipFMC | dec/19 |
| CleanUp Guanabara Bay | Donation of filming with drones and production of a video, which recorded the cleaning of some points of Guanabara Bay in the University City | MJV | dec/19 |

Institutional Representativeness

(GRI 102-13)

The UFRJ Science Park has an important role in activities aimed at the scientific and socioeconomic development of Rio de Janeiro and Brazil. Currently, he sits on the Business Competitiveness Council and the Technology Council of the Federation of Industries of the State of Rio de Janeiro (FIRJAN). It also participates in the following networks: ICT-Company Interaction Committee of the National Association of Research and Development of Innovative Companies - ANPEI and Atlantic International Research Center - Air Center. The UFRJ Science Park is affiliated with the International Association of Science Parks and Areas of Innovative Enterprises (ANPROTEC) and National Association of Research and Development of Innovative Companies (ANPEI).

In addition, its main partners are the Ministry of Science, Technology and Innovation, the State Government of Rio de Janeiro, Sebrae, FAPERJ, Rio de Janeiro City Hall, Finep and CNPq.

Visibility

The UFRJ Science Park has its image consolidated, internally and externally, as one of the most relevant environments for innovation and entrepreneurship in the country.

The technologies developed by resident companies and the interaction with the university, attract the interest of society. Students, teachers, businessmen and entrepreneurs, opinion makers, national and international press, influencers and governments are interested in what is generated within our innovation environment. To make this information reach society, the Park uses the various communication and marketing tools and strategies so that all audiences are reached.

Knowledge production

The Park, for being a dynamic and experimentation environment for different areas of knowledge, has attracted students, mainly from postgraduate courses in different programs at UFRJ (and other educational institutions) for research development. This is extremely important since it stimulates the student's development, the production of knowledge about the Park's innovation environment so that it can be shared with other audiences, serving as a reference as success cases (of companies and the environment itself).

In 2019, the Park won the international Inspire
Solutions award from IASP - International Association
of Sciences Parks and Innovation Environments - an
unprecedented event for UFRJ. For the competition,
we presented Short Circuit Gallery (Galeria Curto
Circuito) as an environment of inspiration and

humanization of technological environments. The award took place in the city of Nantes, France, which gave great visibility to the innovative actions of PTEC-UFRJ and UFRJ as a whole. In addition, the Park - through its employees - presented two scientific articles at the largest incubator and science park event in the country, organized by the national association - ANPROTEC. One of the articles was among the 30 best rated.

FAU (Faculty of Architecture and Urbanism) UFRJ presented a scientific article on the "Tornado Pavilion" - an urban intervention produced for Short Circuit Gallery - for an event, which was attended by the Ibero-American Association of Digital Graphics and the ECAADe European Association in Porto, Portugal. Still in 2019, the Gastronomy Course presented an article on the experiences acquired in the Gastronomic and Cultural Fair of the Park and Gastronomy in the Park projects, at The International Conference on Culinary Arts and Sciences (ICCAS) 2019.

It is worth mentioning that the DAI UFRJ Program (previously mentioned)⁵⁷, implemented in late 2019, is a project whose production of scientific and

technological knowledge for sustainable development is one of its pillars of support. For 2020, it is planned to expand the project to master students.

Institutional events and activities

Throughout 2019, the Park participated in events and institutional activities aligned with its final objectives and which reinforced the project's image for both internal and external audiences. Highlight for the inauguration of the Air Center, which aims to promote new knowledge on climate change and issues related to the Atlantic, connecting deepwater technologies to space technologies through global cooperation.



57 More information about the project on page 57.

At the event, which was attended by the Minister of Science, Technology and Higher Education of Portugal, Manuel Heitor, the Living Lab program was also presented, developed by the Park to transform it into a living urban laboratory for the application, use and study of innovative solutions for the development of cities.

The Inauguration was held by the Federal University of Rio de Janeiro, through the UFRJ Science Park and the Laboratory of Computational Methods in Engineering (LAMCE) of COPPE / UFRJ.

Other activities

In 2019, several events were held with the aim of bringing the academic community and the business sector closer together. All actions had the mission of promoting entrepreneurship and innovation. The Park also carried out proactive actions in support of events held by partners, with the counterpart being the dissemination to the director's internal media and internal public. Among the activities carried out we can highlight:

 Hacking Rio - digital culture festival that brings together the largest Hackathon in latin america and a Congress with the greatest experts in technology, innovation and business;

- Meetings In The Park a series of meetings where topics are discussed from more than one perspective, being addressed by academia, industry, specialized professionals and also by other organizations;
- Open Talk Experts share their knowledge with resident companies and the Park's entire innovation ecosystem;
- Conections Researchers and resident companies introduce themselves to a company in order to establish new university-company relationships.

Visitation program

The visit program of the UFRJ Science Park received 20 visits in 2019, 17 national and three international. The action aims to bring the Park closer to the external public and also to the academic community, through what is carried out by the resident companies and laboratories.

Media: Traditional and social

The Park's visibility can also be measured through appearances in traditional and social media. The Park was the subject of 408 positive stories throughout 2019, being highlighted in national and international press vehicles, with emphasis on the launch of the Air Center and Living Lab Rio programs, the

inauguration of the SENAI CETIQT Research Institute and the arrival of Benthic and Petrec.





Newsletter

In order to spread and disseminate information on the activities carried out in the Park, a bilingual Newsletter has been sent monthly since 2015. The publication was sent to partners, resident companies, consulates, academic staff and external public registered through the Park's website.

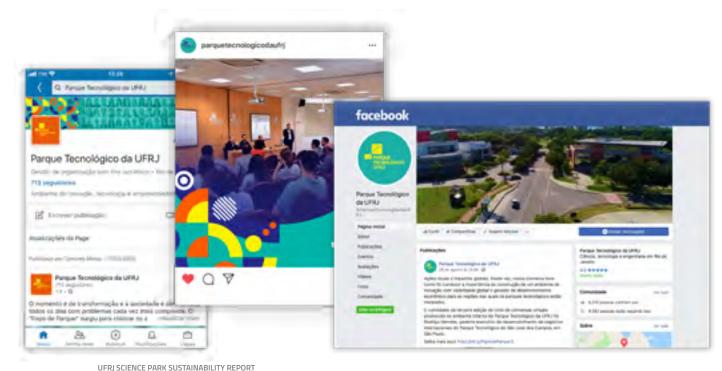


Media: Digital and Social

At the end of 2018, the UFRJ Science Park started implementing a strategy for operating in the digital environment with the aim of increasing communication with internal and external audiences. All channels via digital platforms gained prominence throughout 2019 with the production of their own content, from partners and resident companies through texts, interviews and videos. The investment in communication via digital platforms was reinforced in 2019 with the creation of a Park profile on Instagram, launched on May 4, 2019.

Until December 31, the Park's Facebook page registered **6,200 likes and more than 6,300 followers**. In December 2018 it had **4,816 likes**. The Instagram page, created in May, ended the year with more than **1,800 followers**, 5,209 likes and an average reach of **35,765** people.

The Park also has profiles on Linkedin, which focuses on establishing relationships with the public with a corporate profile and a profile on YouTube, where interviews with resident companies, events and developed programs are published. During 2019, 13 videos were recorded, edited and published with a total of 921 likes.







Research project and extension of circular economy of solid waste at the UFRJ Science Park

At the end of 2019, a partnership was established between the Park, the Institute for Postgraduate Studies and Research in Administration at UFRJ - COPPEAD and the Social Responsibility Laboratory of the Institute of Economics at UFRJ - Lares IE UFRJ around the theme Circular Economy. The first project developed by this partnership was the circular economy research and extension project for solid waste at the UFRJ Science Park, submitted to the CCJE. The project was approved at the beginning of the year 2020 and will have two graduate scholarships.

The circular economy research and extension project for solid waste at the UFRJ Science Park, will be carried out throughout 2020/2021 and aims to identify the consumption practices of the UFRJ Science Park and its interaction stakeholders, to identify solid waste that can be object of management and development of a circular economy project, verify the degree of sustainability of consumption practices (purchase, use and destination) carried out by the Park and its stakeholders, considering the legal requirements and guidelines for sustainable consumption; develop strategies for circular economy processes based

on some solid waste identified as fundamental to the sustainability performance of the Park and its interactions with its stakeholders (companies, suppliers, etc.) and produce a reflective report on the challenges of circular economy in the context of a Brazilian university.

Center of Excellence in Digital Transformation and Artificial Intelligence of the State of Rio de Janeiro - HUB.Rio

In 2019, the Park acted directly as an articulator for the realization of this project. The Center of Excellence in Digital Transformation and Artificial Intelligence of the State of Rio de Janeiro – HUB.Rio – aims to integrate the skills and technical capabilities of the scientific and business community of Rio de Janeiro and its partners to produce innovation through digital transformation and artificial intelligence to face the challenges of the digital revolution.

The state of Rio de Janeiro, through the private sector, government and R, D & I centers, based in the state and its partners in the country and abroad, has been starred and leading the development of technological solutions, which support Digital Transformation (DT) and make use of artificial intelligence (AI) techniques for the following topics:

| Health |
|---------------------------------------|
| Renewable Energies and Climate Change |
| Oil and gas |
| Industry 4.0; Education |
| Agribusiness |
| Smart Cities |
| Public Security and Cybernetics |
| Public administration |
| E-commerce |
| Communications |
| Tourism |
| Games |
| |

Entertainment

In 2019, the actions were concentrated in the establishment of partnerships, resulting in the adhesion of the main ICTs in Rio de Janeiro (UERJ, UFF, FIOCRUZ, UFFRJ, UNIRIO, PUC, LNCC), besides to companies in the sector, such as NVIDEA. The expectation is that the Center of Excellence in Digital Transformation and Artificial Intelligence of the State of Rio de Janeiro – Hub.Rio – will be installed in the UFRJ Science Park. For this reason, we organized a launch event for about 100 people, including representatives of development agencies and companies in the industry.

Immersion Park

The Immersion Park Program - Academic Residence for Innovation - is an institutional action of the Park, approved by its Board of Directors on June 20, 2018. The Program aims to strengthen research, entrepreneurship and innovation at UFRJ through the reception of researchers interested in using the Park for their academic reflections and professional experiments.

The program is in the details and planning phase and will be launched in 2020.



Living Lab Rio

The Living Lab Rio program was created to implement innovative solutions for the sustainable urban development of the city of Rio de Janeiro, in a controlled demonstration environment in order to assess the impacts observed in order to boost its dissemination and massification to the cities of the State and from the country.

The team also maintained a broad articulation for the creation of the IND Pilot Project BNDES - Smart Cities - submitted to the National Bank for Economic and Social Development (BNDES), within the scope of an announcement aimed at the field of smart cities.

The project had the participation of companies (GreenAnt, Aquafluxus, Lemobs, Green Hat, Huawei), government (Inmetro, Rio City Hall, State Government of RJ) and UFRJ laboratories (Coppe). Despite not having been financed by the Park due to budgetary restrictions, the articulation continued and the program continues to advance in dealings with the City of Rio and the State Government, in addition to having academic units from UFRJ – such as the Coppead Institute of Administration – to expand its activities.



AIR Centre - Atlantic International Research Centre

The AIR Centre Rio de Janeiro unit, a project developed through PTEC-UFRJ and the Laboratory of Computational Methods in Engineering (LAMCE) of the Alberto Luiz Coimbra Institute for Graduate Studies and Engineering Research (Coppe), was inaugurated on 09 / 08/2019.

The project promotes new knowledge about climate change and the Atlantic Ocean, connecting deep-water technologies to space technologies, through global cooperation. The program aims to identify, continuously, areas of mutual scientific and technological interests that address regional priorities and global challenges. The AIR Centre's scientific agenda is also aligned with the United Nations' Sustainable Development Goals (SDGs). The initiative will contribute to transform the Park and Guanabara Bay into a living laboratory for the creation and demonstration of innovative solutions for the Atlantic Ocean.

Complementing this effort, the partner in the development of the AIR Centre Rio de Janeiro project (the Laboratory of Computational Methods in Engineering at Coppe - LAMCE) with the encouragement and participation of PTEC-UFRJ, submitted a proposal to the Research Support Foundation of the State of Rio de Janeiro, FAPERJ and obtained R \$ 319,000.00 to develop the Living Bay

Project (Projeto Baía Viva) - Guanabara Bay Monitoring Platform at PTEC-UFRJ.

The Institutional Development Management also participated in the creation of the announcement "Program to Support Bilateral Cooperation FAPERJ / FCT (Foundation for Science and Technology, of Portugal) - 2019", with FAPERJ. This announcement was launched to encourage cooperation projects developed within the scope of the AIR Centre and was

open to all ICTs in the State. With the encouragement and participation of PTEC-UFRJ, the partner in the development of the Air Center Rio de Janeiro project (Laboratory of Computational Methods in Engineering at Coppe - LAMCE), submitted a proposal and raised R \$ 79,368.56 to cover international exchange missions between the Instituto Superior Técnico de Lisboa (Lisbon Higher Technical Institute) and UFRJ, with a view to developing projects at PTEC-UFRJ.









Living Bay

The Living Bay Project (Projeto Baía Viva) - Integrated Meteo-Oceanographic Monitoring and Observation Platform for Guanabara Bay - is part of the Living Lab Rio Program and, therefore, works to attract research activities to UFRJ. The project focuses on the development and implementation of a digital operational platform for the provision of environmental, social and economic information in the Guanabara Bay region and its surroundings. The diagnostic and prognostic information generated comes from different sources, such as: historical databases, data collection platforms and numerical computational models.

In addition to the dissemination of such information, the digital platform also involves extension activities and technical and academic training in different areas of research. These activities allow the continuous functioning, development and optimization of the platform involving professionals and students from different educational segments.

The project is physically based on the Laboratory of Computational Methods in Engineering (LAMCE), located at the UFRJ Science Park and has the partnership of other laboratories and teaching and research institutions (FIOCRUZ, UERJ, UFF, AIR CENTER, in addition to the following UFRJ laboratories:

LAMCE, LABOCEANO and IGEO). It should be noted that the project represents a pioneering effort associated with the regional initiatives of the Atlantic International Research Center (AIR Center).

To learn more about the project, click here.



For 2020 and 2021, we intend to expand the actions related to Guanabara Bay, one of the examples being the following project.

Rehabilitation of the University City Bay

Fundão Bay Waterfront Rehabilitation Project: a demonstrative unit for solutions based on nature, the collection, transport and processing of floating marine waste.







It is a partnership between Engepol - Polymerization Engineering Laboratory, INEA - State Environment Institute, SEAS - State Secretariat for the Environment and Sustainability, Government of the State of Rio, Naval and Ocean Engineering at COPPE / Polytechnic / UFRJ, OceanPact and the UFRJ Science Park.

The project proposes the following actions from 2020:

- Launching of university innovation challenges based on solutions based on nature, on the collection and transport and processing of floating marine waste;
- Construction of a marine waste processing plant;
- Innovation in the production of interception, collection and transportation technologies allowing the use of open barriers for the passage of vessels and / or other methods of collecting diffuse waste;
- Innovation in the production of interception, collection and transportation technologies to the point of improvement, aiming at reducing costs;
- Cleaning the beach and the seabed of the bay;
- Monitoring the evolution of water quality and ecosystems in the bay;
- Monitoring the evolution of uses Catalan Park, Orla Park, Minerva Park.

Connectivity

The Conectividade project aims to promote a connection of PTEC-UFRJ to the Data Center of the City of Rio de Janeiro by fiber optics and was established in partnership with IPLANRio (Municipal Computer Company of the City of Rio). Service providers have already submitted proposals and the service is in the contracting phase. By 2020 it is expected to complete the physical connection.

ANPROTEC - RNP: National Network of Technological Environments

The pilot project ANPROTEC - RNP: National Network of Technological Environments, aims to establish the conditions for entry and participation of PTEC-UFRJ, thus enabling the creation of a national network of innovation environments, which in turn will cooperate for the development, management and improvement of the RNP System and will take advantage of its existing features and services available in the participating innovation environments. At the moment, the agreement that regulates the partnership is in the legal process for signature. In 2020 the pito project will be executed.



Strategic planning 2016-2045

In order to position the UFRJ Science Park on a different level with regard to management, the 2016-2045 Strategic Planning established an Execution Agenda (2017–2020) composed of a portfolio of two strategic actions: (1) Cooperation to innovate, (2) People Development and eight strategic programs (2017–2020), divided into 24 projects, as shown in the table below.

Throughout 2019, ensure that the executions of two projects have been completed - projects 12 and 20 - six projects are up to date - projects 8, 10, 13, 14, 22 and 23. The other projects are delayed in terms of execution.

Throughout 2020, it is expected to update the Strategic Planning due to the new conjunctural demands.

| Programs | Projects | | | | | | | |
|--|--|--|--|--|--|--|--|--|
| | 1. Review of the portfolio of services offered by the Park | | | | | | | |
| I. New service portfolio | 2. Structuring new high value-added services | | | | | | | |
| | 3. Communication and dissemination of the service portfolio | | | | | | | |
| | 4. Performance in the physical and virtual spaces | | | | | | | |
| II. Expansion of the Park | 5. Development of branding strategy and structuring plan | | | | | | | |
| | 6. Expansion of the Park to discontinuous spaces | | | | | | | |
| III. Campanian | 7. Prospecting for new national and international companies | | | | | | | |
| III. Companies | 8. Development of the cluster of companies in the health sector | | | | | | | |
| | 9. Cost structure review | | | | | | | |
| IV. Park Sustainability | 10. Prospecting for new ways of raising funds | | | | | | | |
| | 11. Alternative plans for using existing infrastructure | | | | | | | |
| | 12. Creation of UFRJ HUB | | | | | | | |
| V. Parque Lab - Innovation and experimentation | 13. Finishing the Cube | | | | | | | |
| | 14. Structuring of experiments for socio-environmental solutions | | | | | | | |
| | 15. Identification and implementation of convenience services | | | | | | | |
| VI. Wellness and leisure services | 16. Mobility services | | | | | | | |
| | 17.Urban interventions and promotions of cultural events | | | | | | | |
| | 18. Institutionalization of the Park | | | | | | | |
| VII. Institutionality and governance | 19. Incorporation of the Incubator to the Park | | | | | | | |
| | 20. Corporate governance | | | | | | | |
| | 21. Review of processes | | | | | | | |
| VIII Management excellence | 22. Implementation of instruments for monitoring strategy and management | | | | | | | |
| VIII. Management excellence | 23. Implementation of instruments for monitoring and managing the execution schedule | | | | | | | |
| | 24. Structuring the monitoring center and management routines | | | | | | | |



Expansion of the Park to discontinuous spaces

Strategic Project 6 deserves a highlight, since 2019 was marked by its execution. In February 2019, the Park took over, on a transitional basis, the Biotechnology Pole located in the University City.

The Park also started an institutional articulation with the UFRJ Macaé Campus, with a view to contributing to the implementation of the Startup Macaé Program and to the creation of a UFRJ Science Park hub in this city. The partnership took place through CRIOS, under the coordination of Prof. Carlos Eduardo Lopes da Silva, who, in addition to coordinating this research laboratory, assumed the position of Secretary of Economic Development of the City of Macaé. The discussions are at an advanced stage with the prospect of advances in 2020.

Still in this sense, PTEC-UFRJ acted in the elaboration of strategies for the movement of expansion of the Park to discontinuous spaces and in the innovation of the form of relationship with companies, as current Strategic Planning guideline.

Prospecting for new national and international companies

In 2019, about 30 companies interacted with PTEC-UFRJ to assess an occupation in the project's innovation ecosystem, consolidating, in the end, in

three new entrants. These new residents are small and medium sized companies with full alignment with innovation and the capacity to absorb the knowledge and technologies generated in the academy.

Innovation Center

The Cube will be the home of innovation and entrepreneurship in the Park. A multipurpose space focused on events, networking, workshops, experiences, coworking, games, relaxation, exhibitions, artistic and technological installations.

The project to create the Innovation Center was born with the perspective of expanding the scope of action of the UFRJ Science Park and enhancing its ecosystem of creativity and innovation in an integrated way to the university community and the population of Rio.

The city of Rio de Janeiro, recognized for its cultural and creative vocation, stands out for its development potential associated with the sectors of the creative economy. The university has a fundamental role in this process as the locus of teaching, research and extension.

The works started in 2015 will be completed in 2020, when the Center will be inaugurated. 2019 was marked by the readjustment of the concept of space.





Annex 1: Statement of Income for the Year

| | | 2017 | | 2018 | | 2019 | |
|-------------------------|---|------------------|-----------|------------------|------------|------------------|-----------|
| | BALANCE AVAILABLE ON 01/01: | 1.6 | 83.147,04 | 3. | 844.749,87 | 5.5 | 55.532,25 |
| | 1. Service Fee - Land | R\$ 8.334.358,76 | 86,63% | R\$ 8.576.408,46 | 85,51% | R\$ 8.712.924,2 | 86,48% |
| | 2. Service Fee - CETIC | R\$ 507.176,83 | 5,28% | R\$ 633.582,11 | 6,32% | R\$ 494.782,06 | 4,91% |
| | 3. Service Fee - MP | R\$ 542.499,49 | 5,65% | R\$ 747.979,29 | 7,46% | R\$ 782.536,97 | 7,77% |
| RECEIPTS | 4. Income from Financial Investments | R\$ - | 0,00% | R\$ 72.085,00 | 0,72% | R\$ 45.406,26 | 0,45% |
| RECE | 5. Transfers and Settlements between Projects | R\$ 234.546,92 | 2,44% | R\$ - | 0,00% | R\$ 38.958,93 | 0,39% |
| _ | Total: | R\$ 9.8 | 18.553,92 | R\$ 10. | 238.005,93 | R\$ 10.0 | 74.608,42 |
| | Operating and Administrative Expenses (OAE): | R\$ 6 | 11.891,40 | R\$ | 637.738,92 | R\$ 6 | 46.723,52 |
| | NET RECEIPT: | R\$ 9.2 | 06.662,52 | R\$ 9. | 600.267,01 | R\$ 9.4 | 27.884,90 |
| | 1. ADMINISTRATIVE EXPENSES | R\$ 2.148.992,39 | 31,47% | R\$ 2.599.700,51 | 33,84% | R\$ 2.386.742,53 | 31,90% |
| | Staff | R\$ 1.948.836,81 | 28,54% | R\$ 2.254.786,9 | 29,35% | R\$ 2.187.443,66 | 29,24% |
| | Services | R\$ 152.055,88 | 2,23% | R\$ 273.916,54 | 3,57% | R\$ 154.799,01 | 2,07% |
| | Materials | R\$ 48.099,7 | 0,70% | R\$ 70.997,07 | 0,92% | R\$ 44.499,86 | 0,59% |
| | 2. TRANSPORT | R\$ 146.806,86 | 2,15% | R\$ 179.854,79 | 2,34% | R\$ 184.930,31 | 2,47% |
| | Staff | R\$ 79.644,44 | 1,17% | R\$ 82.018,03 | 1,07% | R\$ 86.374,54 | 1,15% |
| | Services and Materials | R\$ 67.162,42 | 0,98% | R\$ 97.836,76 | 1,27% | R\$ 98.555,77 | 1,32% |
| | 3. SECURITY AND SURVEILLANCE | R\$ 1.024.989,03 | 15,01% | R\$ 853389,16 | 11,11% | R\$ 850.903,37 | 11,37% |
| | Staff | R\$ 132.854,81 | 1,95% | R\$ 139.818,19 | 1,82% | R\$ 144.929,81 | 1,94% |
| | Services and Materials | R\$ 892.134,22 | 13,06% | R\$ 713.570,97 | 9,29% | R\$ 705.973,56 | 9,44% |
| NTS | 4. URBAN MAINTENANCE | R\$ 948.119,18 | 13,88% | R\$ 907.170,7 | 11,81% | R\$ 813.578,69 | 10,88% |
| EME | Staff | R\$ 459.833,94 | 6,73% | R\$ 294.292,12 | 3,83% | R\$ 215.159,99 | 2,88% |
| EXPENSE ELEMENTS | Services and Materials | R\$ 488.285,24 | 7,15% | R\$ 612.878,58 | 7,98% | R\$ 598.418,7 | 8,00% |
| ENS | 5. BUILDING MAINTENANCE | R\$ 773.475,55 | 11,33% | R\$ 890.457,36 | 11,59% | R\$ 952.894,72 | 12,74% |
| EX | Staff | R\$ 530.677,36 | | R\$ 635.135,35 | 8,27% | R\$ 645.118,41 | 8,62% |
| | Services and Materials | R\$ 242.798,19 | 3,56% | R\$ 255.322,01 | 3,32% | R\$ 307.776,31 | 4,11% |
| | 6. ELECTRICITY | R\$ 167.756,82 | 2,46% | R\$ 201.926,61 | 2,63% | R\$ 169.205,46 | 2,26% |
| | Street lighting | R\$ 50.033,41 | 0,73% | R\$ 28.167,28 | 0,37% | R\$ 29.871,37 | 0,40% |
| | Access Building | R\$ 74.147,05 | 1,09% | R\$ 76.928,75 | 1,00% | R\$ 66.061,8 | 0,88% |
| | Administration Building | R\$ 48.208,22 | 0,71% | R\$ 52.484,97 | 0,68% | R\$ 62.184,32 | 0,83% |
| | Restaurant Building | R\$ - | 0,00% | R\$ 790,25 | 0,01% | R\$ 1.800,62 | 0,02% |
| | CETIC Building | R\$ 141.392,72 | 2,07% | R\$ 150.168,24 | 1,95% | R\$ 9.287,35 | 0,12% |
| | 7. TELEPHONY AND COMMUNICATION | R\$ 789.951,59 | 11,57% | R\$ 817.513,34 | 10,64% | R\$ 865041,21 | 11,56% |
| | Staff | R\$ 586.723,82 | 8,59% | R\$ 649.550,97 | 8,46% | R\$ 730.971,85 | 9,77% |
| | Services and Materials | R\$ 203.227,77 | 2,98% | R\$ 167.962,37 | 2,19% | R\$ 134.069,36 | 1,79% |

R\$ -

R\$ 3.990.617,41

R\$ 133.598,11

R\$ 2.222.096,01



Annex 1: Statement of Income for the Year

| | 8. WATER AND SEWAGE | R\$ 109.188,35 | 1,60% | R\$ 106.623,44 | 1,39% | R\$ 126.563,89 | 1,69% |
|----------|--|---|-------------------------------------|---|--------------------------|---|-----------|
| | Administration, Access Building and Restaurant | R\$ 30.565,98 | 0,45% | R\$ 29.091,11 | 0,38% | R\$ 26.181,09 | 0,35% |
| | Garden (Irrigation) | R\$ 27.245,47 | 0,40% | R\$ 8.942,49 | 0,12% | R\$ 7.083,23 | 0,09% |
| S | Operation cente | | 0,00% | R\$ 17.933,29 | 0,23% | R\$ 17.721,29 | 0,24% |
| ELEMENTS | CETIC building | R\$ 22.183,49 | 0,32% | R\$ 28.147,98 | 0,37% | R\$ 35.700,13 | 0,48% |
| SE ELE | MP building | R\$ 29.193,41 | 0,43% | R\$ 22.508,57 | 0,29% | R\$ 39.878,15 | 0,53% |
| EXPENSE | 9. INFRASTRUCTURE AND PROJECTS | R\$ 360.780,29 | 5,28% | R\$ 696.598,22 | 9,07% | R\$ 1.065.308,73 | 14,24% |
| " | Staff | R\$ 340.905,78 | 4,99% | R\$ 356.833,98 | 4,65% | R\$ 367.610,08 | 4,91% |
| | Services and Materials | R\$ 19.874,51 | 0,29% | R\$ 339.764,24 | 4,42% | R\$ 697.698,65 | 9,33% |
| | 10. OUTROS | R\$ 358.916,54 | 5,26% | R\$ 428.299,43 | 5,58% | R\$ 65.687,54 | 0,88% |
| | TOTAL EXPENSES: | R\$ 6.828.976,60 | 100% | R\$ 7.681.533,56 | 100% | R\$ 7.480.856,45 | 100% |
| | | | | | | | |
| | RESULTADO OPERACIONAL | R\$ 2.1 | 61.602,83 | R\$ 1.7 | 10.782,38 | R\$ 1.9 | 47.028,45 |
| | RESULTADO OPERACIONAL BALANCE AVAILABLE ON 12/31/2019: | · | 61.602,83 <mark>44.749,87</mark> | · · | 710.782,38 555.532,25 | · | • |
| | | · | • | · · | • | · | • |
| | | · | • | · · | - | · | • |
| CESS | | R\$ 3.8 | • | R\$ 5.5 | - | R\$ 7.5 | • |
| | BALANCE AVAILABLE ON 12/31/2019: | R\$ 3.8 | • | R\$ 727.841,65 | - | R\$ 1.570.473,23 | • |
| | BALANCE AVAILABLE ON 12/31/2019: SION OF USE - SHARED BUILDINGS | R\$ 3.8 R\$ 699.820,38 R\$ 794153,2 | • | R\$ 727.841,65 R\$ 906.910,48 | - | R\$ 1.570.473,23 R\$ 608.912,79 | • |
| | BALANCE AVAILABLE ON 12/31/2019: SION OF USE - SHARED BUILDINGS | R\$ 3.8 R\$ 699.820,38 R\$ 794153,2 R\$ 766.131,93 | • | R\$ 5.5 R\$ 727.841,65 R\$ 906.910,48 R\$ 64.278,9 | - | R\$ 1.570.473,23 R\$ 608.912,79 R\$ 49.284,36 | • |
| | BALANCE AVAILABLE ON 12/31/2019: SION OF USE - SHARED BUILDINGS | R\$ 3.8 R\$ 699.820,38 R\$ 794153,2 R\$ 766.131,93 | • | R\$ 5.5 R\$ 727.841,65 R\$ 906.910,48 R\$ 64.278,9 | - | R\$ 1.570.473,23 R\$ 608.912,79 R\$ 49.284,36 | • |
| (Ope | BALANCE AVAILABLE ON 12/31/2019: SION OF USE - SHARED BUILDINGS | R\$ 5.8 R\$ 699.820,38 R\$ 794153,2 R\$ 766.131,93 R\$ 727.841,65 | • | R\$ 5.5 R\$ 727.841,65 R\$ 906.910,48 R\$ 64.278,9 R\$ 1.570.473,23 | - | R\$ 1.570.473,23 R\$ 608.912,79 R\$ 49.284,36 R\$ 2.130.101,66 | 47.028,45 |

R\$ 35.285,02 R\$ 567.258,81



Annex 2 Statement of Income for the Year

Regarding the composition of administrative expenses, more precisely on personnel expenses, there was an adjustment in this item. At first, a cost estimate was presented to companies installed in the Biotechnology Pole area on January 25, 2019, an estimate that gave rise to the service fee. In this cost study, 16 people were expected to be hired, whose functions are distributed according to Table 1. However, during the management process, the Board of Directors of the Science Park in the previous year decided to hire only four people with the functions shown in Table 2. The cost of hiring this minimum team in the period from April to December 2019, identified in this report as expenses with direct HR, is R \$ 131,631.49.

| Hiring estimate (May/2019) | Amount |
|--|--------|
| Corporate Articulation Analyst | 1 |
| Systems Analyst | 1 |
| Administrative and Financial Assistant | 1 |
| Maintenance Assistant | 2 |
| General Services Assistant | 4 |
| Eletrician | 1 |
| Conservation Officer | 1 |
| Interns | 2 |
| Young apprentice | 1 |
| Refrigeration mechanic | 1 |
| Recepcionist | 1 |
| Total: | 16 |

Table 1: Polo de Biotecnologia : Estimated hiring for 2019 -Biotechnology Pole

| Hires made | Amount |
|----------------------------|--------|
| Maintenance Assistant | 1 |
| General Services Assistant | 1 |
| Refrigeration mechanic | 1 |
| Recepcionist | 1 |
| Total: | 4 |

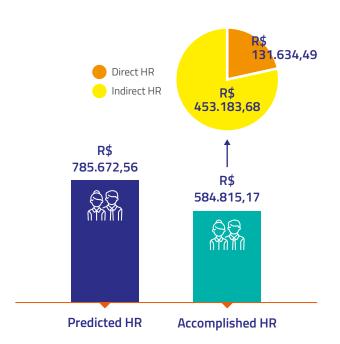
Table 2: Hires made - Biotechnology Pole

At the time, considering the unstable scenario that the Pole was experiencing, being conservative proved to be more appropriate, given the transitory nature of the area management process, as well as the uncertainties regarding the possibility of publishing a public notice to regularize precarious permissions for use granted to companies.

The other functions were absorbed with PTEC-UFRJ's own team, which are: Joint Manager, Operations Manager, Systems Analyst, Conservation and Reception Supervisor, Supervisor and Building and Urban Maintenance Officer, whose investments were identified in this report as expenses with indirect HR in the amount of R \$ 453.183,68.

The decision to hire a minimum team and to absorb the other functions and activities with an existing team at PTEC-UFRJ, was communicated to the companies installed in the Biotechnology Pole at a meeting held on May 24, 2019. After closing the first semester of Polo management by PTEC-UFRJ, the Preliminary Activity Report was prepared in August, ratifying the information presented to companies on direct and indirect HR expenditures, and, subsequently, this report was presented at the Board of Directors meeting on 20 September 2019.



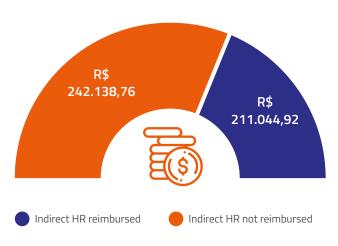


Expected and realized human resources expenses at the Polo unit in 2019

It is important to inform that, as determined by the Board of Directors of PTEC-UFRJ, in the previous year, R \$ 211,044.92 were returned to Park Project as reimbursement of costs with indirect HR, referring to the period from February to July 2019. That is R \$ 242,138.76 remains to be returned to the Park Project, referring to the months of August to December 2019.

Despite of personnel expenses, while new demands were emerging, other services of an essential nature

for the maintenance and smooth operation of the Polo unit were contracted. Among them, the elaboration and approval service with the General Directorate of Technical Services of the Military Fire Brigade of the State of Rio de Janeiro (DGST / CBMERJ) for a fire and panic safety project, as it was a requirement of that corporation for the functioning of the Polo, since it was notified; topographic survey to measure areas and the electrical project for individualization of meters. The first is identified in this report as an administrative service, the others as infrastructure and project expenses.



Expenses with Human Resources Reimbursed and Not Reimbursed to the Parque Project in 2019



Annex 3
Analytical Summary of the Accounts of the UFRJ Biotechnology Polo Project

| BALANCE AVAILABLE ON 2/1/2019 | - | |
|--|------------------|---------|
| RECIPE | REALIZ | ZED ZED |
| 1. Service fee (Lot, Warehouses, Incubator) | R\$1.698.504,62 | 99,96% |
| 2. Income distribution | R\$752,17 | 0,04% |
| TOTAL | R\$ 1.699.256,79 | 100% |
| DOA | R\$ 183324,16 | |
| EXPENSES | REALIZ | ZED |
| 1. Administrative costs | R\$ 191.606,86 | 21,02% |
| 1.1. Staff | R\$ 177.066,96 | 19,43% |
| 1.2. Services | R\$ 13.018,86 | 1,43% |
| 1.3. Materials | R\$ 1.521,04 | 0,17% |
| 2. Safety | R\$ 225.444,64 | 24,74% |
| 3. Urban Maintenance | R\$ 165.473,34 | 18,16% |
| 3.1. Staff | R\$ 13.319,53 | 1,46% |
| 3.2. Services and materials | R\$ 152.153,81 | 16,70% |
| 4. Building Maintenance | R\$ 221.212,34 | 24,27% |
| 4.1. Staff | R\$ 152.289,93 | 16,71% |
| 4.2. Services and materials | R\$ 68.922,41 | 7,56% |
| 5. Telephony and Communication | R\$ 29.403,07 | 3,23% |
| 5.1. Internet | R\$ 22.000,00 | 2,41% |
| 5.2. Telephony | R\$ 7.403,07 | 0,81% |
| 6. Infrastructure and Projects | R\$ 78.213,71 | 8,58% |
| TOTAL EXPENSES: | R\$ 911.353,96 | 100% |
| OPERATIONAL RESULT: | R\$ 604.5 | 78,67 |
| 1. Contingency reserve | R\$ 165.0 | 00,00 |
| BALANCE AVAILABLE IN ACCOUNT AT THE END OF THE PERIOD: | R\$ 439.5 | 78,67 |



Annex 4:
Permanent material and equipment | Works and Installations | Cost Expenses

| | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
|------------------|--|------------------|---|---|---|---|---|-----|------|---|---|----|----|----|----|----|-----|-----|----|----|
| | PROJECTS | INVESTMENT | | | | | | Yea | ar 1 | | | | | | | | Yea | r 2 | | |
| 1 2 3 4 | Central air conditioning from CETIC | R\$ 300.000,00 | | | | | | | | | | | | | | | | | | |
| 2 | Renovation of the CETIC access hall - joinery + civil works + facade | R\$ 200.000,00 | | | | | | | | | | | | | | | | | | |
| 3 | Square - landscape design and paving work | R\$ 12.000,00 | | | | | | | | | | | | | | | | | | |
| 4 | Energy efficiency project - CETIC: smart building - solar energy generation | R\$ 254.000,00 | | | | | | | | | | | | | | | | | | |
| 5 | Complementary work of public lighting and implementation of Led technology | R\$ 1.000.000,00 | | | | | | | | | | | | | | | | | | |
| 6 | Urban: sewer network connection project and work | R\$ 1.314.023,20 | | | | | | | | | | | | | | | | | | |
| 7 | Adm building - project, budget and structural recovery work | R\$ 900.000,00 | | | | | | | | | | | | | | | | | | |
| | TOTAL | R\$ 3.980.023,20 | | | | | | | | | | | | | | | | | | |



Annex 5: Calculation Memories - Comparison of Costs / Contracts of PTEC-UFRJ x UFR

| TYPES OF SERVICES | UFRJ | | PTEC-UFRJ | |
|--------------------------------------|------------------------|----------|----------------|----------|
| Segurança Patrimonial | GUARD ANGEL VIGILÂNCIA | Stations | TACTICAL FORCE | Stations |
| Unarmed surveillance 12x36 - Daytime | R\$ 8.906,41 | 8 | R\$ 8.731,16 | 1 |
| Unarmed surveillance 12x36 - Nightly | R\$ 9.782,41 | 8 | R\$ 10.343,88 | 1 |
| Total | R\$ 18.688,81 | 16 | R\$ 19.075,04 | 2 |
| | | | VARIATION % | -2,07% |

Available in https://gestao.ufrj.br/index.php/contratos/contratos-vigentes, acess in: 09/10/2019

| TYPES OF SERVICES | UFRJ | PTEC-UFRJ |
|-------------------------------|------------------------------------|---|
| Waste collection | OPERAÇÃO RESGATE e TRANSPORTE LTDA | RODOCON CONSTRUCÕES RODOVIÁRIAS LTDA |
| Value of 1200 liter container | R\$ 50,04 | R\$ 42,07 |
| | VARIATION % | 16% |

Available in https://gestao.ufrj.br/index.php/contratos/contratos-vigentes, acess in: 09/10/2019

For the services that PTEC-UFRJ chooses to perform with its own team, a simulation was made comparing what would be the costs of obtaining the same services based on the prices practiced in UFRJ contracts and the following results were found:

| Care and cleaning: | The average monthly cost per square meter of clean area at PTEC-UFRJ is R \$ 0.99 and under UFRJ's contract this cost is R \$ 1.79, that is, a difference of 45% |
|-----------------------|---|
| Building maintenance: | Considering the same SLA, while the cost in PTEC-UFRJ per square meter of area maintained per year was R \$ 30.54 in the comparison contract, we found a cost of R \$ 77.42, that is, 61% difference. |



| TYPES OF SERVICES | UFRJ | | PTEC-U | FRJ |
|--|--------------------------------------|-------------------|-----------------------------------|----------------|
| | Rodocon Construcões Rodoviárias Ltda | | Villa Tomiazzi Paisagismo Ltda ME | |
| Maintenance of green areas and street sweeping | Contracted amount | R\$ 11.148.000,00 | Contracted amount | R\$ 592.358,52 |
| | Total area (m²) | 4.651.305,58 | Total area (m²) | 350.000,00 |
| | Cost/m² | R\$ 2,40 | Cost/m² | R\$ 1,69 |
| | | | VARIATION % | 29% |

Available in https://gestao.ufrj.br/index.php/contratos/contratos-vigentes, acess in 09/10/2019

| Calculation Memories - (| Compari | ison of |
|---------------------------------|---------|---------|
| Costs / Contracts of PTE | C-UFRJ | X UFRJ |

| TYPES OF SERVICES | UFRJ | | PTEC-L | IFRJ |
|---|--|------------------|---------------------------|----------------|
| | Soluções Serviços Terceirizados EIRELI | | Own team | |
| | Amount | R\$ 1.698.230,04 | Contracted amount | R\$ 180.756,39 |
| Cleaning, cleanliness and building conservation | Monthly value | R\$ 141.519,17 | Monthly value | R\$ 15.063,03 |
| Conscivation | Total area (m²) | 79.171,00 | Total area (m²) | 15.207,08 |
| | Cost per m ² of clean area | R\$ 1,79 | Cost per m² of clean area | R\$ 0,99 |
| | | | VARIATION % | 45% |

Available in https://gestao.ufrj.br/index.php/contratos/contratos-vigentes, acess in 09/10/2019

| TYPES OF SERVICES | ASSOCIAÇÃO DE EX-ALUNOS | | PTEC-UFRJ | |
|----------------------|--|----------------|---------------------------------------|----------------|
| | ÁLAMO ENGENHARIA S/A | | EQUIPE PRÓPRIA | |
| D. 71.0 | Amount | R\$ 343.731,25 | Contracted amount | R\$ 464.362,01 |
| Building maintenance | Total area (m²) | 4.439,76 | Total area (m²) | 15.207,08 |
| | Cost per m ² of maintained area | R\$ 77,42 | Cost per m ² of clean area | R\$ 30,54 |
| | | | VARIATION % | 61% |

Source: Alumni COPPEAD

Annex 6 - Annex Cost Study

It is important to highlight that the study of operating costs of the area destined to the Biotechnology Pole was built based on the previous experience of the PTEC-UFRJ team in the management of environments that promote innovation, as well as from the recommendations presented in the Inspection Report of the held by the technical team of PTEC-UFRJ and representatives of UFRJ, through the Dean of Management and Governance (PR6) and the Technical Office of the University (ETU), on October 8, 2018.

The Survey Report highlighted the need to make more urgent investments in the area so that PTEC-UFRJ could operate the Biotechnology Pole region properly. More urgent investments concern safety routines and procedures, disposal of liquid waste, individual measurement of water consumption and paving.

The need to carry out a detailed technical survey of current conditions and the subsequent design of the water and sewage network to regularize meters in companies installed in the lots was also highlighted, as well as the correct disposal of effluents and waste, in addition to the need to review public lighting, telephony, network and electronic surveillance projects.

In view of this, the cost study estimated expenditure on activities resulting from the operation and administration of the Pole and also provided for a contingency reserve in order to absorb, over time, possible expenses with the implementation of works for adaptation and development. local infrastructure, corresponding to 8% of the total expected monthly receipts.



Projeto: Parque Tecnológico da UFRJ

Responsável: Vicente Antônio de Castro Ferreira

Relatório de Atividades e Desempenho do PTEC-UFRJ

Parecer:

As informações detalhadas no Relatório de Atividades e Desempenho do PTEC-UFRJ foram apresentadas ao presente Comitê de Avaliação de Desempenho do Parque Tecnológico da UFRJ. O referido comitê concluiu que as atividades executadas pela equipe do PTEC-UFRJ caminham para o cumprimento de seus objetivos finalísticos, enquanto o desempenho financeiro aponta para a sustentabilidade do projeto.

Rio de Janeiro, 08 de Abril de 2020.

7- 6-02A

Júlio Cesar Urdangarin Batista Júnior

Representante da Prefeitura do Rio de Janeiro no Conselho Diretor

-Docustigned by:

Vidente Antônio de Castro Ferreira

Diretor Executivo do PTEC-UFRJ

- Docufligned by

Ângela Maria (duen Uller

Prof. Angela Maria Cohen Uller

Representante da Fundação COPPETEC no Conselho Diretor

Prof.ª Denise Pires de Carvalho Presidente do Conselho Diretor

Annex 7



Tabela de Tema Material

| List of material theme - GRI 102-47 | | | Limits - GRI 102-46 and 103-1 | | |
|---|------------------------------------|---------------------|---|---|--|
| Material Theme | GRI Aspects | Reported indicators | Main impacted audiences and suggested audience | Material aspect inside / outside the organization | |
| Business-university integration | *** | Own indicators | Resident companies, special laboratories at UFRJ in the Park, Board of Directors, COPPE Business Incubator, laboratories at UFRJ and UFRJ as a whole. | Inside and outside the organization | |
| Transparency and integrity | *** | Own indicators | All stakeholders of the Park | Inside and outside the organization | |
| Diversity of economic sectors and size of companies | *** | Own indicators | Resident companies, special laboratories at UFRJ in the Park, Board of Directors, laboratories at UFRJ and UFRJ as a whole. | Inside and outside the organization | |
| Interaction between companies of various sizes | *** | Own indicators | Resident companies, special laboratories at UFRJ in the Park, Board of Directors, laboratories at UFRJ and UFRJ as a whole. | Inside and outside the organization | |
| Jobs | Employment, Training and Education | GRI 401-1, 404-1 | Functional Park Management | Inside and outside the organization | |
| Quality of life in the Park | *** | Own indicators | Functional Management of the Park, Resident companies, special laboratories at UFRJ in the Park, laboratories at UFRJ and UFRJ as a whole. | Inside and outside the organization | |
| People engagement | *** | Own indicators | Functional Management of the Park, Resident companies, special laboratories at UFRJ in the Park, laboratories at UFRJ and UFRJ as a whole | Inside and outside the organization | |
| Effluent and waste disposal | Effluents and Waste | GRI 306-2 | Resident companies, UFRJ special laboratories in the Park, Functional Management of the Park | Inside and outside the organization | |
| Mobility | *** | Own indicators | Functional Management of the Park, Resident companies, special laboratories at UFRJ in the Park, laboratories at UFRJ and UFRJ as a whole | Inside and outside the organization | |

GRI CONTENT SUMMARY



| STANDARD GRI (UFR) SCIENCE PARK SUSTAINABILITY REPORT - 2019) (GRI 102-55) | | | | | |
|--|---|--|----------|--|--|
| GRI Standards | Item | Page | Omission | | |
| | | GRI 101: Foundations | | | |
| | Organization Profile | | | | |
| | 102-1 Organization Name | UFRJ Science Park | | | |
| | 102-2 Main activities, brands, products and services | | | | |
| | a. Organization activities | 24, 25 | | | |
| | b. Main brands, products and services | 22, 23 | | | |
| | 102-3 Location of organization's headquarters | The headquarters of the Science Park is located in University City at Aloísio Teixeira Street, 278 - Building 2 - University City Island - Rio de Janeiro, RJ. Zip: 21941-850 | | | |
| | 102-4 Location of operations | The Park's operations take place in Brazil, however, having a room at Parque xx that can be occupied by resident entrepreneurs / companies. | | | |
| GRI 102 General Disclosure | 102-5 Shareholding control and legal form of the organization | The Park is a UFRJ project without legal personality, directly linked to the Rector's office | | | |
| | 102-6 Markets in which the organization operates | | | | |
| | a.i. Geographic locations where products and services are offered | Currently, the service provided by the Park is geographically located at the headquarters and the Biotechnology Pole of the Park, both located in the University City | | | |
| | a.ii. Covered sectors | | | | |
| | a.iii. Types of customers and beneficiaries | Startups, small and medium-sized companies, research center for large companies, UFRJ laboratory and UFRJ as a whole | | | |
| | 102-7 Scale of the organization | | | | |
| | a.i. Total number of employees | 28, 29 | | | |
| | a.ii. Total number of operations | We do not monitor this information | | | |



| GRI Standards | Item | Page | Omission |
|-------------------------------|---|--|--|
| | | GRI 101: Foundations | |
| | a.iii. Net Revenue | 40 | |
| | a.iv. Total capitalization (for private sector organizations) | Does not proceed | The Science Park is not a private sector organization. |
| | a.v. Quantity of products or services provided | We do not monitor this information | |
| | 102-8 Information about employees and other workers | | |
| | a. Total number of employees by employment contract, by gender | 28, 29 | |
| | b. Total number of employees by employment contract, by region | 28, 29 | |
| | c. Total number of employees by type of employment, by gender | 28, 29 | |
| GRI 102 General Disclosure | d. Inform if a significant portion of the activities are carried out by workers who are not employed (interns, apprentices, etc.) | Does not proceed | Interns and young apprentices do not perform a significant portion of the institution's activities. |
| | e. Any significant variations in the numbers presented in the indicators above | Does not proceed | There was no significant variation in the numbers presented in the indicators above |
| | f. An explanation of how the data was collected | At the beginning of 2020, the sustainability sector launches a questionnaire to be completed by the areas responsible for controlling and monitoring the data above. | |
| | 102-9 Organization's supply chain | 73, 74 | |
| | 102-10 Significant changes in the organization or its supply chain | Does not proceed | |
| | a.i. Changes in operations or location | In September 2019, the Park started to be managed by a new management. | |
| | a.ii. Changes in the share capital structure and other formation, maintenance, capital change activities | Does not proceed | There were no changes in the capital structure and other activities of formation, maintenance, change of capital |



| GRI Standards | Item | Page | Omission |
|-------------------------------|---|---|---|
| | | GRI 101: Foundations | |
| | a.iii. Changes in the location of suppliers, in the chain structure or in relations with suppliers, including in the selection and exclusion process. | 73, 74 | |
| | 102-11 Precautionary approach or principle | The Green Park Program is carried out with a view to reducing the impacts of our operations on the environment. (46, 47) | |
| | 102-12 Externally developed initiatives | Does not proceed | The Park does not adhere to any letter, principle or other initiatives developed externally, however |
| | 102-13 Membership in associations Strategy | 76 | |
| | 102-14 Statement by the most senior decision maker in the organization | 03, 04, 05, 06, 07, 08, 09 | |
| CDI 403 | Ethics and integrity | | |
| GRI 102 General Disclosure | 102-16 Values, principles, standards and norms of behavior | 51 | |
| | Governance | | |
| | 102-18 Governance structure | | |
| | a. Governance structure of the organization, including Committee under the highest governance body | 24, 26, 27 | |
| | b. Committees responsible for making decisions on economic, environmental and social topics | Does not proceed | The Park does not have committees responsible for making decisions on economic, environmental and social topics |
| | Stakeholder engagement | | |
| | 102-40 List of stakeholder groups | 11, 12 (Access: https://www.parque.ufrj.br/wp-content/uploads/2019/08/12Sobre-o-Relatorio.pdf, pages 139, 140, 141 and 142) | |
| | 102-41 Collective bargaining agreements | Does not proceed | The employees' labor relations at the Park are not supported by collective bargaining. |



| GRI Standards | Item | Page | Omission |
|-------------------------------|--|---|----------|
| | | GRI 101: Foundations | |
| | 102-42 Stakeholder identification and selection | 11, 12 (Access: https://www.parque.ufrj.br/wp-content/uploads/2019/08/12Sobre-o-Relatorio.pdf , pages 139, 140, 141,142) | |
| | 102-43 Approach adopted by the organization to involve stakeholders | 11, 12 (Access: https://www.parque.ufrj.br/wp-content/uploads/2019/08/12Sobre-o-Relatorio.pdf, páginas 139, 140, 141, 142) | |
| | 102-44 Main topics and concerns raised - Reporting practice | | |
| | a.i. How the organization responded to these questions and concerns, including through reporting | 11, 12 (Access: https://www.parque.ufrj.br/wp-content/uploads/2019/08/12Sobre-o-Relatorio.pdf, pages 139, 140, 141, 142) | |
| | a.ii. Stakeholder groups that raised each of the issues and concerns mentioned | 11, 12 (Access: https://www.parque.ufrj.br/wp-content/uploads/2019/08/12Sobre-o-Relatorio.pdf , pages 139, 140, 141, 142) | |
| | Reporting practices | | |
| | 102-45 Entities included in the consolidated financial statements | 89, 90, 93 | |
| GRI 102 General Disclosure | 102-46 Definition of the report content and limits on material topics | | |
| | a. Explanation of the process for defining report content and topic boundaries | 98 | |
| | b. Explanation of how the organization applied the Principles for defining Report Content | 98 | |
| | 102-47 List of material topics | 11, 12, 98 (Access: https://www.parque.ufrj.br/wp-content/uploads/2019/08/12Sobre-o-Relatorio.pdf , pages 139, 140, 141, 142) | |
| | 102-48 Reformulations of information | 28, 43, 45, 71, 72 | |
| | 102-49 Report changes | There was no significant change from the periods covered by previous reports with regard to the scope and limits of aspects | |
| | 102-50 Reporting period | 01/01/2019 to 31/12/2019 | |
| | 102-51 Date of most recent previous report | 2018 report was released in July 2019 | |
| | 102-52 Report reporting cycle | Yearly. Since 2014, the GRI-G4 guidelines for preparation of the Sustainability Report. | |



| GRI Standards | ltem | Page | Omission |
|---------------------|--|--|--|
| | | GRI 101: Foundations | |
| | 102-53 Contact for questions about the report | sustentabilidade@parque.ufrj.br | |
| GRI 102 | 102-54 Report elaboration according to GRI Standards | " This report was prepared according to the GRI Standards: Essential option " | |
| General Disclosure | 102-55 GRI content summary | 100 | |
| | 102-56 External verification | Does not proceed | There was no external verification of this report |
| | | Material Themes | |
| | Business-University Integration | | |
| | 103-1 Explanation of materiality and its limit | 57, 58, 59, 60, 61 | |
| | 103-2 Management approach and its components | | The park does not have a specific policy to manage the theme specifically, however, the strategic planning of the Park 2016-2045 determines its vision for 2045 and the objectives to be achieved by 2020. |
| | 103-3 Assessment of the management approach | | The Park is building instruments for assessing effectiveness and the results of its management. |
| GRI 103 | Value contracted by the Park companies in terms of cooperation with UFRJ | 64, 65, 67, 68 | |
| Management approach | Amount disbursed by the Park's companies in terms of cooperation with UFRJ | 64, 65, 68 | |
| | Amount contracted by the Park companies in terms of cooperation with UFRJ, by modality | 67 | |
| | Value contracted by the Park companies in terms of cooperation with UFRJ by decan | 65 | |
| | Value contracted by the Park companies in terms of cooperation with UFRJ per unit | 66 | |
| | Number of events promoted in the academy-company scope | 66 | |



| GRI Standards | ltem | Page | Omission |
|--------------------------------|---|-----------------|--|
| | | Material Themes | |
| | Diversity of economic sectors and size of companies | | |
| | 103-1 Explanation of materiality and its limit | 70 | |
| | 103-2 Management approach and its components | | The park does not have a specific policy to manage the theme specifically, however, the strategic planning of the Park 2016-2045 determines its vision for 2045 and the objectives to be achieved by 2020 |
| | 103-3 Assessment of the management approach | | The park does not have a specific policy to manage the theme specifically, however, the strategic planning of the Park 2016–2045 determines its vision for 2045 and the objectives to be achieved by 2020. |
| | Total number of companies, by sector, in 2019. | 53 | |
| GRI 103 Management approach | Total number of companies by size. | 53 | |
| | Number of companies that joined in 2019. | | |
| | Interaction between companies of various sizes | | |
| | 103-1 Explanation of materiality and its limit | 60, 61, 62, 63 | |
| | 103-2 Management approach and its components | | The park does not have a specific policy to manage the theme specifically, however, the strategic planning of the Park 2016-2045 determines its vision for 2045 and the objectives to be achieved by 2020. |
| | 103-3 Assessment of the management approach | | The park does not have a specific policy to manage the theme specifically, however, the strategic planning of the Park 2016-2045 determines its vision for 2045 and the objectives to be achieved by 2020. |



| GRI Standards | Item | Page | Omission |
|---------------------|---|-----------------|--|
| | | Temas materiais | |
| | Number of intellectual protection mechanisms developed within the scope of partnerships between resident companies. | 72, 73 | |
| | Number of strong interactions between companies in the Park. | 62, 63 | |
| | Number of weak interactions between companies in the Park. | 62, 63 | |
| | Número de projetos desenvolvidos entre empresas residentes e Petrobras. | 63 | |
| | Mobility | | |
| | 103-1 Explanation of materiality and its limit | 39 | |
| | 103-2 Management approach and its component | | The Park does not have a mobility policy, but it has actions that address the theme. |
| GRI 103 | 103-3 Evaluation of the management approach | | The Park does not have a mobility policy, but it has actions that address the theme. |
| Management approach | Number of people using the Park's electric car | 39 | |
| | Transparency and Integrity | | |
| | 103-1 Explanation of materiality and its limit | 51 | |
| | 103-2 Management approach and its components | | The Science Park does not have its own ethics and integrity policy, however it adheres to the Integrity and Transparency Policy of the Foundation for the Coordination of Projects, Research and Technological Studies - COPPETEC, bearing in mind that the financial and operational management of the Park receives support from the Foundation. |
| | 103-3 Evaluation of the management approach | | The Science Park does not have its own ethics and integrity policy, however it adheres to the Integrity and Transparency Policy of the Foundation for the Coordination of Projects, Research and Technological Studies - COPPETEC, bearing in mind that the financial and operational management of the Park receives support from the Foundation. |



| GRI Standards | Item | Page | Omission | |
|--------------------------------------|--|------------------------|----------|--|
| Temas materiais | | | | |
| GRI 201 Economic performance | 201-1 Direct economic value generated and distributed | 40, 42, 43, 44, 45, 46 | | |
| | Waste | | | |
| GRI 103 Management approach | 103-1 Explanation of materiality and its limit | 48, 84, 85 | | |
| | 103-2 Management approach and its components | 48, 51 | | |
| | 103-3 Evaluation of the management approach | 48, 51 | | |
| GRI 306 Effluents and waste | 306-2 Total weight of waste, broken down by type and disposal method | 48 -51 | | |
| | Job | | | |
| GRI 103 Management approach | 103-1 Explanation of materiality and its limit | 27,71 | | |
| | 103-2 Management approach and its components | 27 | | |
| | 103-3 Evaluation of the management approach | 27 | | |
| GRI 401 Job | 401-1 New employee hires and employee turnover | 29, 30 | | |
| GRI 404 Training and Education | 404-1 Average hours of training per year, per employee | 32, 33 | | |
| | Quality of Life in the Park | | | |
| GRI 103 Management approach | 103-1 Explanation of materiality and its limit | 31, 32 | | |
| | 103-2 Management approach and its components | 31, 32 | | |
| | 103-3 Evaluation of the management approach | 31, 32 | | |
| GRI 304 Biodiversity | 304-3 Protected or restored habitats | 46, 47 | | |



| GRI Standards | ltem | Page | Omission | | |
|--------------------------------|--|--------|----------|--|--|
| Material Themes | | | | | |
| | People engagement | | | | |
| GRI 103 Management approach | 103-1 Explanation of materiality and its limit | 31, 32 | | | |
| | 103-2 Management approach and its components | 31, 32 | | | |
| | 103-3 Evaluation of the management approach | 31, 32 | | | |



THE PARK'S TEAM

CEO

Vicente Antônio de Castro Ferreira José Carlos Pinto *(until september 2019)*

Secretaries

Marcia Regina de Mattos Duarte Simone Gomes Moura

Administrative and Financial Management

Maria Lindalva O. Lima Filha Rute Hermógenes dos Santos Gabriela Moura Carias França

Janaina de Fátima Antunes Mosqueira (until august 2019)

Cristiano dos Santos Lima

Rennan Antonio da Silva *(until october 2019)*

Isabella Diniz Pedrosa

João José Alves

Architecture and Urbanism Management

Teresa Cristina da Silva Costa Isabelle Santos Soares Karina Comissanha de Carvalho

Corporate Articulation Management

Lucimar Dantas Kelyane da Silva

Natali da Costa Emerick

Carolina Medeiros Tourinho Rodrigues *(until july 2019)*Daniela Beatriz Fernandes Borges Tavares de Souza

Communication Management

Aline Calamara Camara Chaves

Daniele Faria Lua Pinheiro (until august 2019)

Beatriz da Cruz Nascimento Corrêa

Fábio Léda da Silva

Lenes Alves de Carvalho

Institutional Development Management

Leonardo de Jesus Melo Danielle Páscoa Barbosa Maria Clara Silva Ferreira Ferro

Legal Management

Carolina Leite Amaral Fontoura Rodolpho Oliveira Lima

Operational Management

Helena da Silva Rodrigues Antônio Moreno Cadavid Antonia Rosangela Souza da Silva

Aloísio Guilherme de Oliveira

Liz Boaretto Teixeira Leite

Fabiane Amaral Moitinho

Alexandre Ferreira de Oliveira

Evandro Espirito Santo

Gelson Correia da Silva

Francisco Mendes Batista Junior

Francisco Rodrigues Sousa Filho

Paulo Ricardo Pereira dos Santos

Edgar Gomes Delphino

Maria da Penha Alves da Silva

Solange Maria Fonseca

Elaine Cristina Constantino

Eliete de Souza Caetano Lima

Lilia Henrique Salles Paiva de Lima *(until august 2019)*

Anderson de Oliveira

Rodrigo Barros de Souza

Ariana de Sousa Santos

Amanda Ventura Martins

Cristina Pereira da Silva

Socorro Gomes Cavalcante

Roney Gasperoni Barros

Mauro Luiz Figueiredo Teixeira

Bruno Mendes Drumond (until may 2019)

Benedito Francisco da Silva Franklin de Sousa Holand

UFRJ SCIENCE PARK SUSTAINABILITY REPORT







TECHINICAL RECORDS

UFRJ Science Park Sustainability Report - 2019

1st edition

Produced and originated by

UFRJ Science Park Aloisio Teixeira Street, 278, Building 2 University Campus Zip Code: 21941-850

General Coordination

Vicente Antônio de castro Ferreira

Publishing and Project Coordination

Leonardo Melo Danielle Pascoa **Graphic and Editing Project**

Fábio Léda

Texts

Danielle Páscoa Leonardo Melo Aline Calamara

Revision and English Version

Simone Gomes Moura

Photos

Communication Advisory

^{*} This report was elaborated based on non-confidential information provided by all functional managers and UFRJ Science Park companies.



University Rectory

Denise Pires de Carvalho Carlos Frederico Leão Rocha

CEO

Vicente Antônio de Castro Ferreira

Board of Directors

Denise Pires de Carvalho - Rector of UFRJ

Carlos Frederico Leão Rocha - Vice-Rector of UFRJ

Denise Maria Guimarães Freire - *Pro-Rector of Graduate and Research of UFRJ - PR2* Julio Cesar Urdangarin - *IPLAN RIO Vice President*

Adriano Cereja - Municipal Secretariat For Development, Employment And Innovation, Mayor

Maria Isabel de Castro de Souza - Subsecretary For Higher Education, Research And

Innovation SUBESPI / SECTI Government RI

Vivian Vicentini Kuss - Superintendent Articulation Of SUBESPI / SECTI Government RJ Research Networks

Angela Maria M. da Costa - FIRJAN Holder Representative

Carla Santos de S. Giordano - FIRJAN Alternate Representative

Marcos Benilson Gonçalves Maldonado - *University Campus Mayor*

Cristina Tranjan - Dean of the Center for Letters and Arts of UFRJ (CLA)

Cássia Curan Turci - Dean of the Center for Mathematics and Nature Sciences of UFRJ (CCMN)

Marcelo Macedo Corrêa e Castro - *Dean of the Center of Philosophy and Humanities of UFRJ (CFCH)*

Luis Eurico Nassiuld - Dean of the Center for Health Sciences of UFRJ (CCS)

Flávio Alves Martins - Decano CCJE

Walter Issamu Suemitsu - Decano CT

Angela Uller - Superintendent Director of COPPETEC Foundation

Nisia Trindade Lima - President of FIOCRUZ

Jorge Costa - Alternative Representative of FIOCRUZ

Marcio Spínola - Representative of the companies of the UFRJ Science Park

José Carlos Costa da Silva Pinto - CEO of the UFRJ Science Park

Management Committee of Articulations at the UFRJ Science Park

Ângela Maria Cohen Uller - President

Professor Fernando Alves Rochinha - Executive Secretary

Teacher Alane Beatriz Vermelho - Executive Secretary

Professor Carlos Terra - Executive Secretary

Professor José Carlos Costa da Silva Pinto - Executive Secretary

Consulting Committee of Architecture and Urban Planning at the UFRJ Science Park

Teresa Cristina Costa - Representative of the Science Park Coordination

Flavio Ferreira Fernandes - *Representative of the Pro-Rectory for Development and Extension*

Professor Eduardo Horta - Representative of the School of Architecture and Urban Planning

Miguel Fontes Pinheiro - Representative of the University Mayor

Evaluation Committee for Applications of New Companies at the UFRJ Science Park

Teacher Maria Isabel de Castro Souza - *Representative of Rio de Janeiro City Hall on Board of Directors*



Professor Fernando Alves Rochinha - Representative of Coppetec Foundation

Professor Walter Issamu Suemitsu - Dean Of The UFRJ Technology Center

Teacher Cássia Curan Turci - Dean of the Center for Mathematical and Natural Sciences

Carla Santos de Souza Giordano - Representative of FIRJAN on Board of Directors

UFRJ Science Park Performance Monitoring Committee

Professor José Carlos da Costa Silva Pinto - *CEO of the UFRJ Science Park*Professor Fernando Alves Rochinha - *Representative of Coppetec Foundation on Board of Directors*

Júlio Cesar Urgandarin - Representative of Rio de Janeiro City Hall

Partners

MCTIC - Ministry Of Science, Technology, Innovation And Communication State Government Of Rio De Janeiro City Government Of Rio De Janeiro

FINEP - Studies And Projects Financial Supporter

SEBRAE - Brazilian Support Service For Micro And Small Companies

FAPERJ - Carlos Chagas Filho Foundation For Research Support In Rio De Janeiro

ANPROTEC - Brazilian Association Of Science Parks And Business Incubators

ANPEI - National Association For Research And Development Of Innovative

Companies

IASP - International Association Of Science Parks And Areas Of Innovation

TecnoPUC – Pucrs Science And Technology Park

Porto Digital – Science Park

TusPark - Tsinghua University Science Park

FIRJAN - Federation Of The Industries Of The State Of Rio De Janeiro

