



Sustainability
report
2022

Message from the CEO

(GRI 102-14)

Vicente Ferreira

Director of the UFRJ Science Park



The Pandemic left deep marks on all of us. We will not forget those who left. We move forward stronger and eager to resume our lives, reconnect with our friends and distance ourselves from the feeling of “years not lived”. The year 2022 was generous with the UFRJ Science Park and brought us many joys, which we would like to share with everyone in this report.

Two thousand and twenty-two offered the PTEC-UFRJ the joy of restoration. It was a year in which the joys far outweighed the sadness and allowed us to resume growth. Yes, in 2022 – and

you will see this in the numbers of this report – the PTEC-UFRJ was bigger than in 2019. Higher in number of resident companies, higher in revenues, higher in population and with even better prospects for the coming years.

The review of the Strategic Planning, carried out during the pandemic period, began to bear the fruits that were expected of it.

The Team's engagement enabled an unprecedented rate of occupancy of spaces available to resident companies to be achieved.

In its first year of operation, Inovateca has already become a reference for the entire UFRJ Social Body , as a meeting point to talk about innovation and entrepreneurship.

The PTEC-UFRJ began to house the Rectory, providing a vital space for the Units with which it shared the Jorge Machado Moreira Building (JMM).

We had the long-awaited reopening of the restaurant, bringing back to PTEC-UFRJ one of its main services available to its customers.

Our proposal was approved in first place in the FINEP Notice for Science Parks, with resources that will have an impact not only on the growth of PTEC-UFRJ, but on the consolidation of the Innovation Mat.



**2022 WAS A YEAR IN WHICH
JOYS MUCH OVERCOME
SORROWS AND ALLOWED US
TO RETURN THE GROWTH**



The UFRJ Innovation Agency completed its transformation by adopting the name INOVA UFRJ and acted even closer with us, in strengthening UFRJ's innovation ecosystem. INOVA achieved unprecedented results throughout 2022, but this can be read in another report.

All the achievements narrated in this report only existed due to the invaluable collaboration of a huge number of people and institutions that selflessly collaborate with us.

I begin by registering our thanks to the companies that, believing in the competences of our University, chose to install their research centers here. I also thank those who, through their research, generate the knowledge that resident and associated companies seek to solve their technological challenges. Facilitating the connection between these two groups is the reason for the existence of this PTEC-UFRJ.

There are many volunteers who support the management of the Park. These people work with great dedication, participating in the Board of Directors, in the Technical Committees (Evaluation of Candidates of New Companies, Committee of Architecture and Urbanism and Special Projects Permanent Monitoring Committee) and the Advisory Committees (Joint Steering Committee and Performance Monitoring Manager). Counting on the contribution of these people makes the governance of PTEC-UFRJ something that the entire UFRJ Social Body can be proud of. Thank you



INOVATECA HAS ALREADY BECAME A REFERENCE FOR THE WHOLE UFRJ SOCIAL BODY, AS A MEETING POINT TO TALK ABOUT INNOVATION AND ENTREPRENEURSHIP

all. Our gratitude to the Social Body of the Support Foundations COPPETEC and FUJB who work with us in a spirit of pure partnership. Without their dedication and commitment, our history would not be as beautiful and, therefore, we share with them the bonuses of our achievements.

The direction and support of the University's Senior Management also boosted our performance over the past year. Partnerships with the University Technical Office (ETU) and the University City Hall (PU) were fundamental for the results that were achieved. Likewise, the support we found in the Deans of Planning, Development and Finance (PR3) and Management and Governance (PR6) allowed us to act with greater confidence about the demands of the University.

The partnership with the Pro-Rectorie of Graduate Studies and Research (PR2) continues to bear fruit in the maturation of CONECTA, in supporting the Management of Performance Indicators - GID and in consolidating the concept of the Innovation Mat. The second edition of the Call for Special Projects was only possible thanks to this partnership and the support of the Undergraduate (PR1) and Extension (PR5) Pro-Rectories.



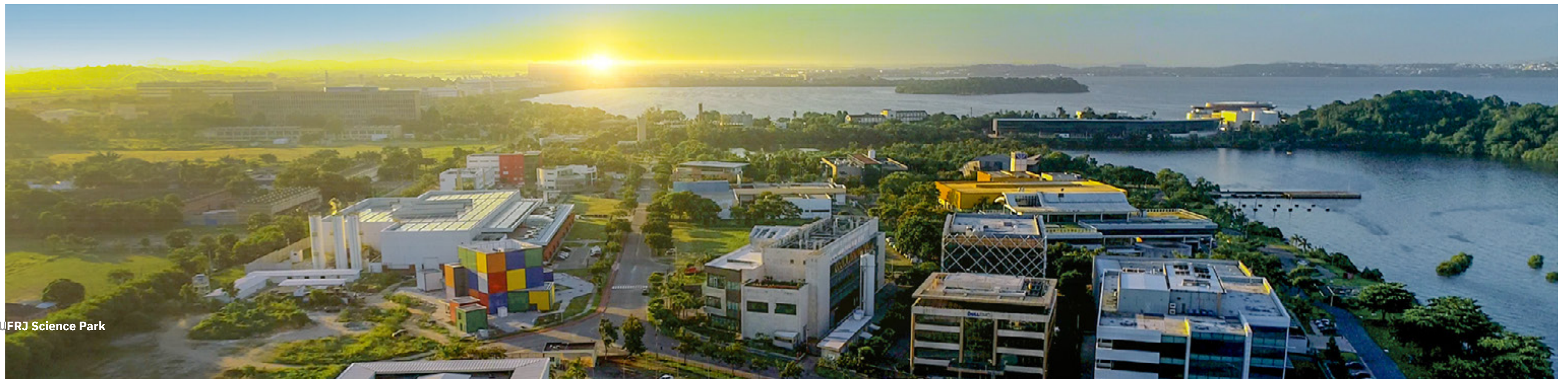
THE PARTNERSHIP WITH PRO-RECTORIE OF GRADUATE AND RESEARCH (PR2) CONTINUES TO BEAR FRUITS IN CONECTA'S MATURITY, IN SUPPORTING THE MANAGEMENT OF INDICATORS OF PERFORMANCE - GID AND IN CONSOLIDATION OF THE INNOVATION MAT CONCEPT.

FIRJAN, SEBRAE, FAPERJ and FINEP were important partners in everything we did and we hope that these partnerships will be even more intense in the coming years.

I couldn't close this message without talking about the hopes for 2023. There will be many news. We have many ongoing projects that should reveal their results throughout the year. It is the year in which we will celebrate, in great style, the first 20 years of PTEC-UFRJ and I leave an invitation here. Come celebrate with us!

Vicente Ferreira

Diretor do Parque Tecnológico da UFRJ



How to read the UFRJ Sustainability report

This publication follows the principles of transparency and good practices of the UFRJ Science Park **(GRI 102-1)** in terms of refers to sustainability. In it, we present the main highlights and economic-financial, social and environmental performance indicators of the organization in the period from January 1, 2022 to December 31, 2022, in accordance with the GRI Standards: Essential Option **(GRI 102-54)**.

THE COVERAGE PERIOD OF THIS REPORT, BASED ON THE GRI STANDARDS, IS FROM JANUARY 1, 2022 TO DECEMBER 31, 2022. (GRI 102-50)

It is worth mentioning that the coverage period of this report is exactly from January 1, 2022 to December 31, 2022 **(GRI 102-50)**. Since 2015, the sustainability report has been published annually **(GRI 102-52)**, reinforcing our commitment to transparency and socio-environmental responsibility

THIS REPORT HAS BEEN PREPARED IN ACCORDANCE WITH THE GRI STANDARDS: ESSENTIAL OPTION. (GRI 102-54)

RANGE

The information presented essentially refers to the management of the UFRJ Science Park. Whenever possible, the results of resident organizations and laboratories, which make up the Park, will be included.

MAPING OF THE STEAKHOLDERS

For the preparation of this report¹, the mapping of stakeholders was carried out in 2016, when the Park was carrying out its Strategic Planning 2016-2045. The process used for prioritization followed the GRI guidelines. Once the stakeholders were mapped, their impact on the Park's economic, social and environmental development was analyzed and how this group is influenced by our economic, social and environmental performance was identified.

The highlighted publics were engaged and consulted for the construction of the Park's material topics **(GRI 102-42)**, reflecting the significant economic, environmental and social impacts inside and outside the organization.

¹ In 2022, we went through a consultancy that, in addition to a critical reading of the report, reviewed the materiality of the Park. Both updates will be in the 2023 sustainability report

(GRI 102-40, 102-42)

Residents Companies
UFRJ Special Laboratories in the Park
Border of Director
Coppe/UFRJ Business Incubator
Park functional management
Service providers
Fundação COPPETEC
Residents Association of the UFRJ Residential Village (AMAVILA)
Rectory
Pro-Rectory
Academics Units
Undergraduate
Postgraduate
Civil Society
Embassies
ONGs and Foundations
Affiliations
Others ICTs
P&D Centers
Development and promotion agencies
Class Representations
Investors
Municipal governmen
State government
Federal government

ENGAGEMENT AND CONSULTATION

(GRI 102-43, 102-44)

The Park's stakeholders were involved according to the following scheme:

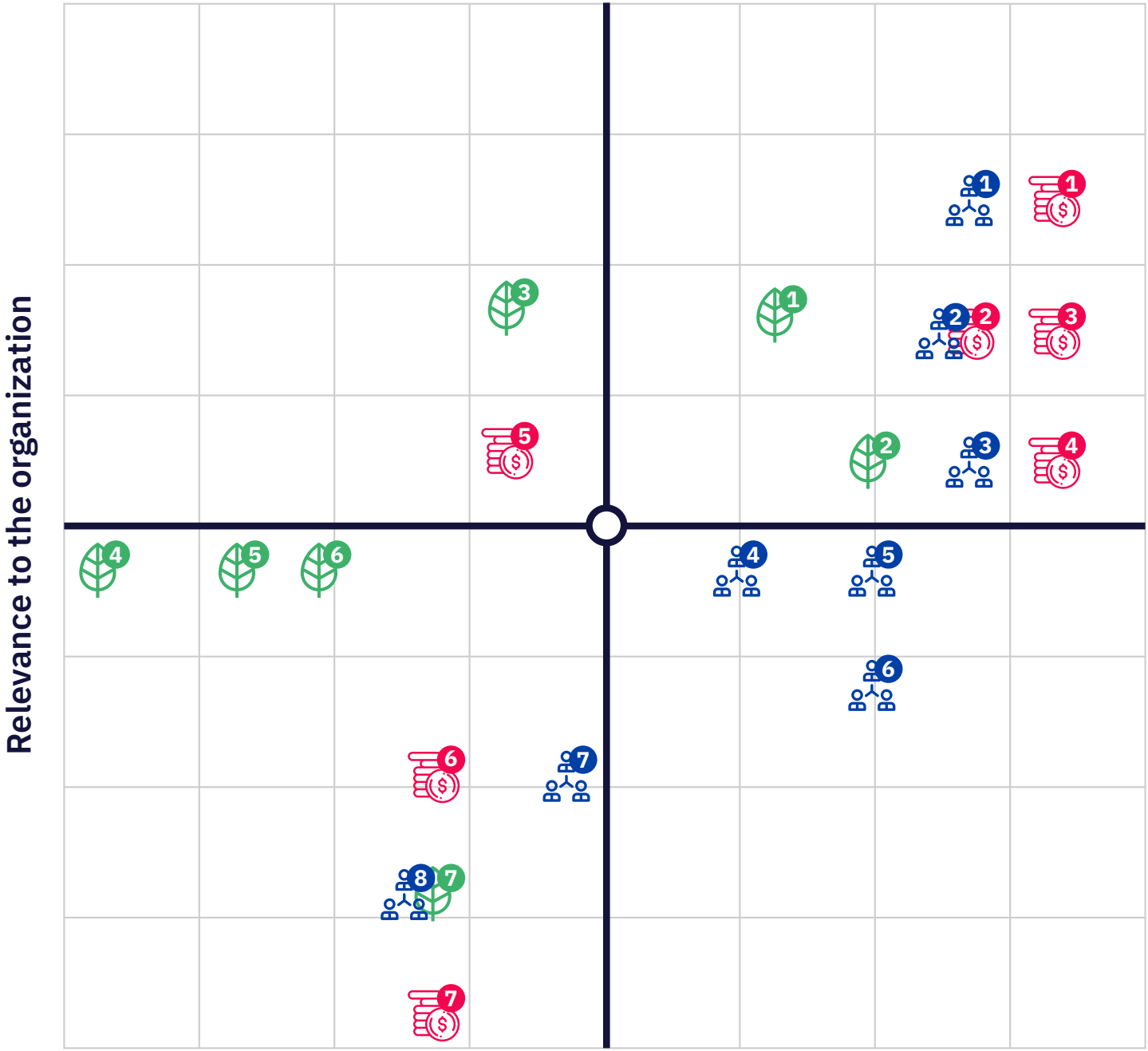


In 2017 and 2018, the resident companies and the functional management of the Park administration were the engaged stakeholders. Both received feedback on the Park's material sustainability topics and considered that their concerns about impacts environmental, social and economic are still compatible with the prioritized material topics.

For the definition of the material topics, the “Principles for Defining the Content of the Report”, that is, context of sustainability, materiality, completeness and inclusion of stakeholders.

MATERIALITY MATRIX
(GRI 102-47)

The results obtained in the engagement process and consultation with the Park's stakeholders, reflecting the significant of the economic, environmental and social impacts inside and outside the organization are shown in the materiality matrix below.



Relevance to the stakeholders

Park Materiality Matrix

- SOCIAL**
 - 1 Jobs (hiring turnover, benefits)
 - 2 Park community quality of life
 - 3 People engagement
 - 4 Relationship with surroundings
 - 5 Training and career
 - 6 Park Community Integration Events
 - 7 Cultural Diversity
 - 8 Grievance mechanism regarding the operation of the Park
- ECONOMIC**
 - 1 Business-university integration
 - 2 Diversity of economic sectors and size of companies
 - 3 Transparency and integrity
 - 4 Interaction between companies of various sizes
 - 5 Investment in local infrastructure
 - 6 Park Logistics
 - 7 Purchasing Practices
- ENVIRONMENTAL**
 - 1 Disposal of effluents and waste
 - 2 Mobility
 - 3 Energy use
 - 4 Emissions of greenhouse gases
 - 5 Biodiversity
 - 6 Environmental impacts of Park services
 - 7 Water use

All nine prioritized topics were presented and validated by the Park's management in 2018 and guided this report. The materiality review will be carried out throughout 2022 with the support of a consultancy.

The nine material topics that will guide this edition are:



Business-University Integration



Jobs



Transparency and Integrity



Quality of Life in the Park



Diversity of economic sectors and size of companies



Interaction between companies of various



people engagement



Disposal of Effluents and Waste



Mobility

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.

OBJECTIVES OF SUSTAINABLE DEVELOPMENT (OSD)

In 2017, the UFRJ Science Park approved its Sustainability Policy at the Board of Directors. In it, it committed itself to sustainable development, to being aligned with the best international sustainability practices and to engaging its stakeholders, observing the guidelines contained in the 2030 agenda for Sustainable Development promoted by the UN, through the Sustainable Development Goals - SDGs. Therefore, in this report we will also see the icons of each SDG next to the report of each action, project and program that we develop and to which we intend to contribute.

FINALISTICS OBJECTIVES OF THE PARK

The Park has thirteen final objectives foreseen in article 2 of Resolution 10/2018. Are they:

- I**– *attract new research, development and production activities for innovative goods and services to the different UFRJ campuses;*
- II** – *encourage the creation and installation of technology-based companies in the different UFRJ campuses and in the places where the UFRJ campuses are established;*
- III** – *encourage technical and scientific cooperation between instances of the UFRJ and the entities and companies that are part of PTEC-UFRJ, as agreed in the respective legal instruments;*
- IV** – *encourage the transfer of technologies developed at UFRJ to entities and companies that are part of PTEC-UFRJ, as agreed in the respective legal instruments;*
- V** – *encourage the entrepreneurial vision of undergraduate students and postgraduate students at UFRJ;*
- VI** – *provide internship opportunities for UFRJ students, as well as facilitate the insertion of students in the job market;*
- VII** – *bringing the academic community closer to high quality technology-based*

companies creating opportunities for new cutting-edge research projects;

VIII – *encourage the emergence and development of technology-based enterprises and collaborate for their expansion in national and international markets;*

IX – *support initiatives that encourage an entrepreneurial vision in the academic, social and business environments;*

X – *attract technology-based companies, in cooperation, to develop Research, Development and Innovation projects - RD&I in products and processes;*

XI – *identify the scientific and technological demands of the regional community, which allow interaction with UFRJ courses and programs and the creation of enterprises at PTEC-UFRJ;*

XII – *support partnerships between UFRJ and public and private organizations involved in research, technological innovation and initiatives aimed at social technology; and*

XIII – *encourage the production of scientific and technological knowledge that values sustainable development in all its dimensions.*

These objectives will be flagged in all actions, activities, projects and/or programs that contribute to them. However, it is.

It is possible to directly access our performance in each of these objectives by clicking [here](#) or by the tab from this report's menu. Likewise, it is possible to check what each area of the Park's management did throughout 2022, by clicking [here](#).

Below, we invite you to learn about the main numbers of the UFRJ Science Park for the period of 2022. In the chapter "UFRJ Science Park", we will present "who we are", our physical infrastructure, services provided and governance system. In addition, we will discuss our management in relation to people, finances, eco-efficiency, transparency and integrity.

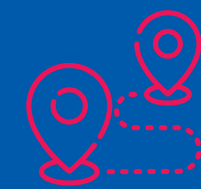
In the following chapter, the resident organizations, their respective sectors of activity and research areas within the Park will be presented.

In the chapter "Park and local development", we will highlight our main results in relation to this topic.

Finally, in the last chapter, we will discuss our projects and visions for the future. If you would like to obtain more information, send criticisms, suggestions, comments or clarify doubts about the content of this report, please contact us by e-mail: sustentabilidade@parque.ufrj.br **(GRI 102-53)**.

GOOD READING!

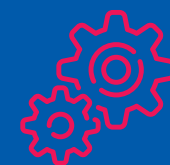
High Numbers



350.000 m²
Of area, being



76.609,27 m²
Of green area



46 RESIDENTS AND ASSOCIATED ORGANIZATION



28 Residentes Companies

6 Labs

12 Associated Organizations

11 Research centers of large organizations

17 Medium and small companies

■ Cooperation



R\$ 6,9 millions

In investment made in cooperation between the resident organizations and the university

4

Centers

14

Departments

Involved in cooperation projects between companies in the Park and UFRJ



19

Events for company integration



113

Intellectual property deposits
Projects carried out in cooperation with UFRJ



164

Cooperation projects started with UFRJ

■ Jobs



1400

Professionals employed in the Park

Interns: **120**

PHDs: **151**

Masters: **152**

Graduateds: **529**

■ Accumulated 2003-2022



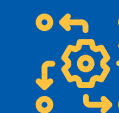
R\$ 246 millions

invested in cooperation between companies and university in contracted amounts



482

Intellectual Property Deposits



R\$ 67 millions

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



R\$ 900 millions

invested by companies in the creation, generation and operation of research centers installed in the Park (Accumulated value since the opening of the Park)

* We do not have up-to-date information on the value of the use concession paid directly to UFRJ by large companies. For updating purposes, we use the IGP-M index accumulated at the end of each year, as per the contractual provision.

An aerial photograph of the UFRJ Science Park at sunset. The sun is low on the horizon, casting a warm glow over the park's modern buildings, green spaces, and surrounding water. A large blue semi-transparent rectangle is overlaid on the left side of the image, containing the title and a large yellow number '1'.

UFRJ Science Park

1

WHO WE ARE



Mission

Generate connections that enhance the transformation of knowledge into innovation, strengthening UFRJ and contributing to the sustainable development of society.



Values

EXCELLENCE IN MANAGEMENT

We seek effectiveness in our actions, acting with integrity, transparency and sustainability.

DIVERSITY

We work to build a welcoming environment for people that does not tolerate discrimination of any kind.

COMMITMENT

We act proactively, collaboratively and with an entrepreneurial attitude in search of results.



Vision 2030

To be the most effective connection mechanism between UFRJ's innovation ecosystem and the external environment.

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**), whose mission is to generate **connections** between the innovative environment – university, government, companies –, that enhance the transformation of **knowledge into innovation, strengthening UFRJ** and contributing to the **sustainable development of society**.

Inaugurated in 2003, the Park houses research centers for large national and multinational organizations, as well as small and medium-sized ones, startups, spaces for the development of entrepreneurship and integration, and UFRJ laboratories.

**IN THIS ENVIRONMENT,
ORGANIZATIONS FIND
INFRASTRUCTURE AND
SPECIALIZED KNOWLEDGE
NECESSARY TO OVERCOME
BUSINESS CHALLENGES.**

The Park monitors the management of startups, small and medium-sized resident organizations and carries out activities that encourage relationships between resident organizations and other stakeholders. It also works to help expand the networking of the companies and to encourage entrepreneurship through business management and fundraising activities.

In the last years, the UFRJ Science Park has been investing heavily in two works fronts: attracting new organizations from the most varied sectors of the

economy and the overflow of its activities beyond physical borders, through partnerships with other parks and innovation environments. Regarding the attraction of new organizations, there are two active programs: the Residency Program and the Associates Program. In the Residency Program, organizations are physically installed in the Park's geographic area, whether in shared land or buildings, and benefit from physical infrastructure services and articulations. In the Associates Program, launched in 2021, the Park operates in the university-company connection beyond the need for physical installation.

The Park also has INOVATECA, a physical and virtual space to share content, connections and experimentation! A physical and virtual space with activities for the development and support of projects that inspire innovative initiatives and entrepreneurs at different levels of maturity. A place for exchanging knowledge, spreading knowledge, encouraging creativity and the exploring of new ideas, contributing to the scientific and social development of society.

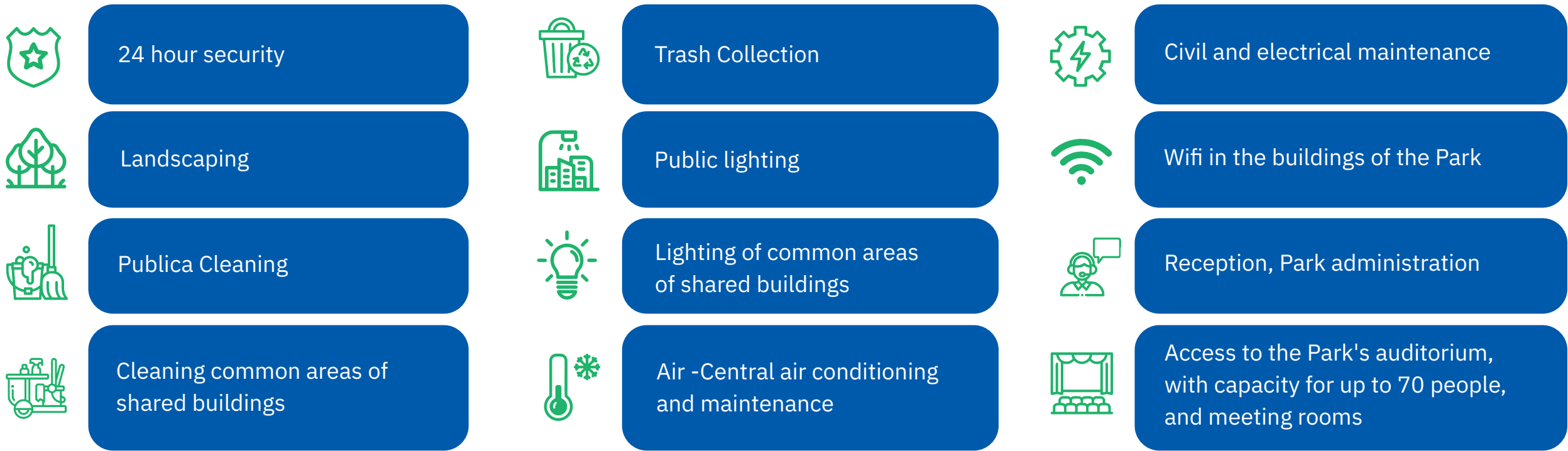
There are several activities and services for those interested in undertaking and developing innovative ideas. Classes, lectures, workshops, agendas for pitches, challenges, hackathons, demodays, assistance, events, training, qualification, experimentation and others.

PARK’S SERVICE

The services provided to resident and associated organizations are:

- Establishment of direct and continuous channels to promote open innovation through articulation with UFRJ research groups, student entrepreneurial initiatives and also with other member companies of the UFRJ ecosystem, in order to leverage solutions to business challenges;
- Modeling the company's connection strategy with the different players in the innovation ecosystem at UFRJ;
- Realization of events aimed at stimulating relationships between the organizations that make up the Technological Park and other stakeholders;
- Organization of Cycle of events in different contents and formats such as lectures and workshops, lives and webinars;
- Support in the organization of corporate events on topics related to innovation and technology;
- Construction of qualified networking: integration of companies in the innovation ecosystem, as well as other institutions of interest;

- Disclosure of information about events, notices, programs and other matters of interest to companies;
- Use of the Living Lab in Smart Cities, the Park's physical area for experimenting technologies for smart cities;
- Support in the management of small companies installed in the Park, offering access to the network of partners for hiring consultants and training for resident companies;
- Press office for small businesses;
- Participation in the Mentoring Program, a mentoring action in which entrepreneurs from the Park receive mentoring from executives and other experienced entrepreneurs;
- Connection with equity investors risk and guidance for effective relationship with this community;
- Mobility to other environments national and international innovation through the Soft Landing Program.



Infrastructure services for resident organizations

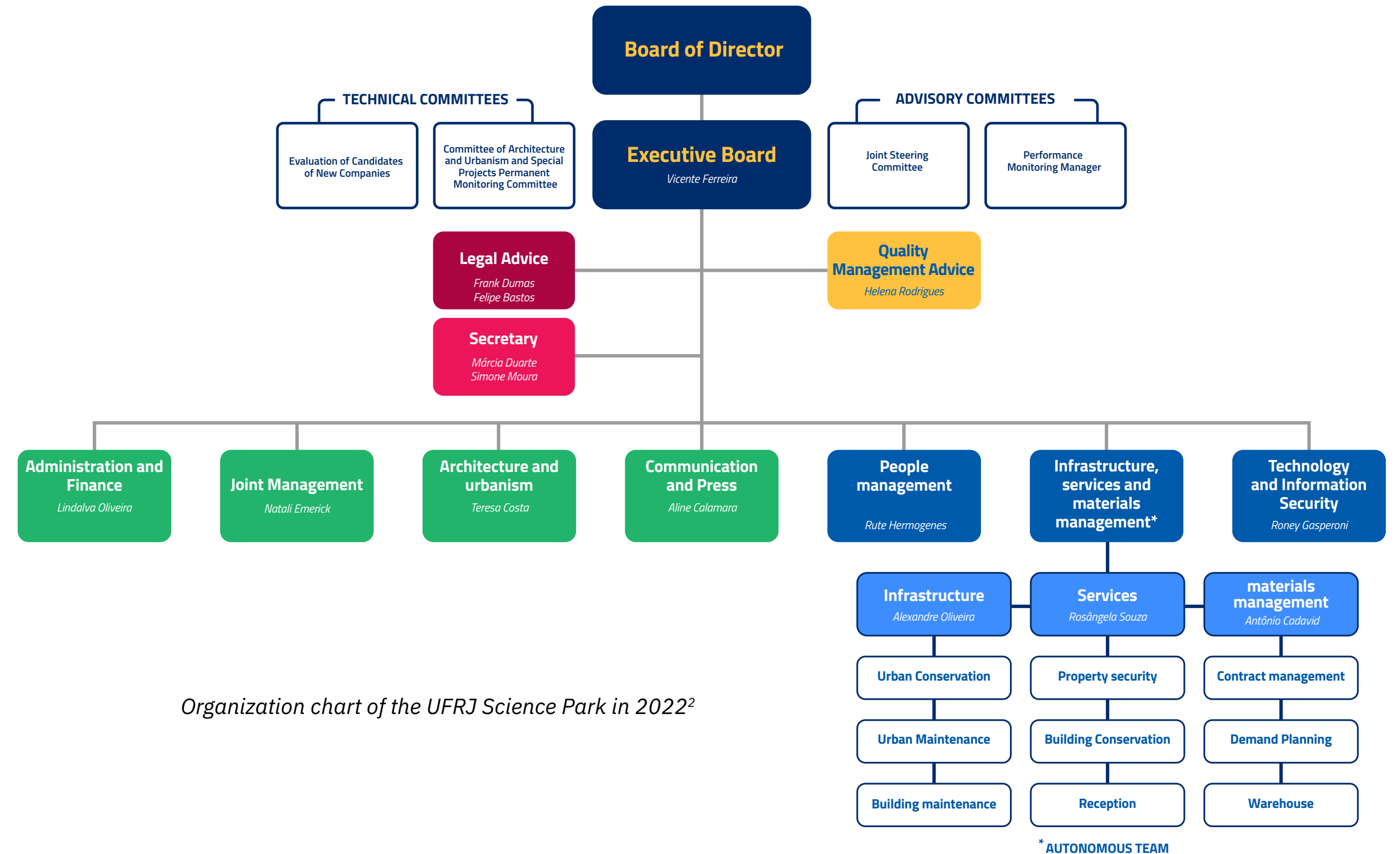
PARK'S GOVERNANCE

(GRI 102-18)

The governance system of the UFRJ Science Park is composed of: Board of Directors, Technical and Advisory Committees and Executive Board. To learn more about each one's role, access the website: www.parque.ufrj.br/governanca-e-parceiros/.

The Board of Directors is the Park's highest decision-making body. In addition to nominating and approving the Executive Director and his respective management plan, the Board judges the companies that are candidates for the Park and permanently evaluates the different impacts generated by our work. Its composition can be found at the end of this report and its members are appointed by decree of the UFRJ's Rector, for a period of two years, with the possibility of renewal for an additional period of two years.

The Executive Board is responsible for strategic decisions and performance in terms of economic, environmental and social sustainability of the Park. It's a four years mandate and the main prerequisite is that the elected Director is a servant of UFRJ. The Executive Board is supported by two advisory services, the secretariat, five managers, two coordinators and an autonomous team. All of them – with the exception of one employee from UFRJ – are formed by employees of the Park's support foundation: Fundação Coordenação de Projetos, Pesquisas e Estudos Tecnológico – COPPETEC. The organization chart of the Park can be seen in the figure below..



The periodicity of the technical and operational follow-up of the Park's results is carried out annually, while the financial aspects are supervised on a quarterly basis.

² The Park is restructuring some of its areas, including the former Institutional Development department, which is no longer part of this organization chart, whose activities were absorbed by other departments.

PEOPLE MANAGEMENT

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

In order to achieve the 2030 vision of being the most effective connection mechanism between UFRJ's innovation ecosystem and the external environment, we set ourselves the following challenges: (i) seek the effectiveness in our actions, acting with integrity, transparency and sustainability; (ii) work to build a welcoming environment for people that does not tolerate discrimination of any kind; and (iii) we act proactively, collaboratively and with an entrepreneurial attitude in search of results.

To this end, we are investing in the construction of a Continuous People Development Policy (CPDP)³ with the COPPETEC Foundation (under development) which aims at engaging, valuing, retaining talents and, consequently, the reduction of our employees turnover.

The Policy guides the following actions: Mapping and Assessment Competency, Position and Salary Policy, and the Park Employees Continuing Training Plan.

1. Mapping and Assessment Competency	2023 Target – to achieve
2. Park Employees Continuing Training Plan	2021 Target – under development
3. Position and Salary Policy	2023 Target – to achieve

Actions and goals of the Continuing People Development Policy (CPDP)

In addition to the CPDP, the Park concentrates its efforts on developing quality of life actions, which have specific actions for its employees.

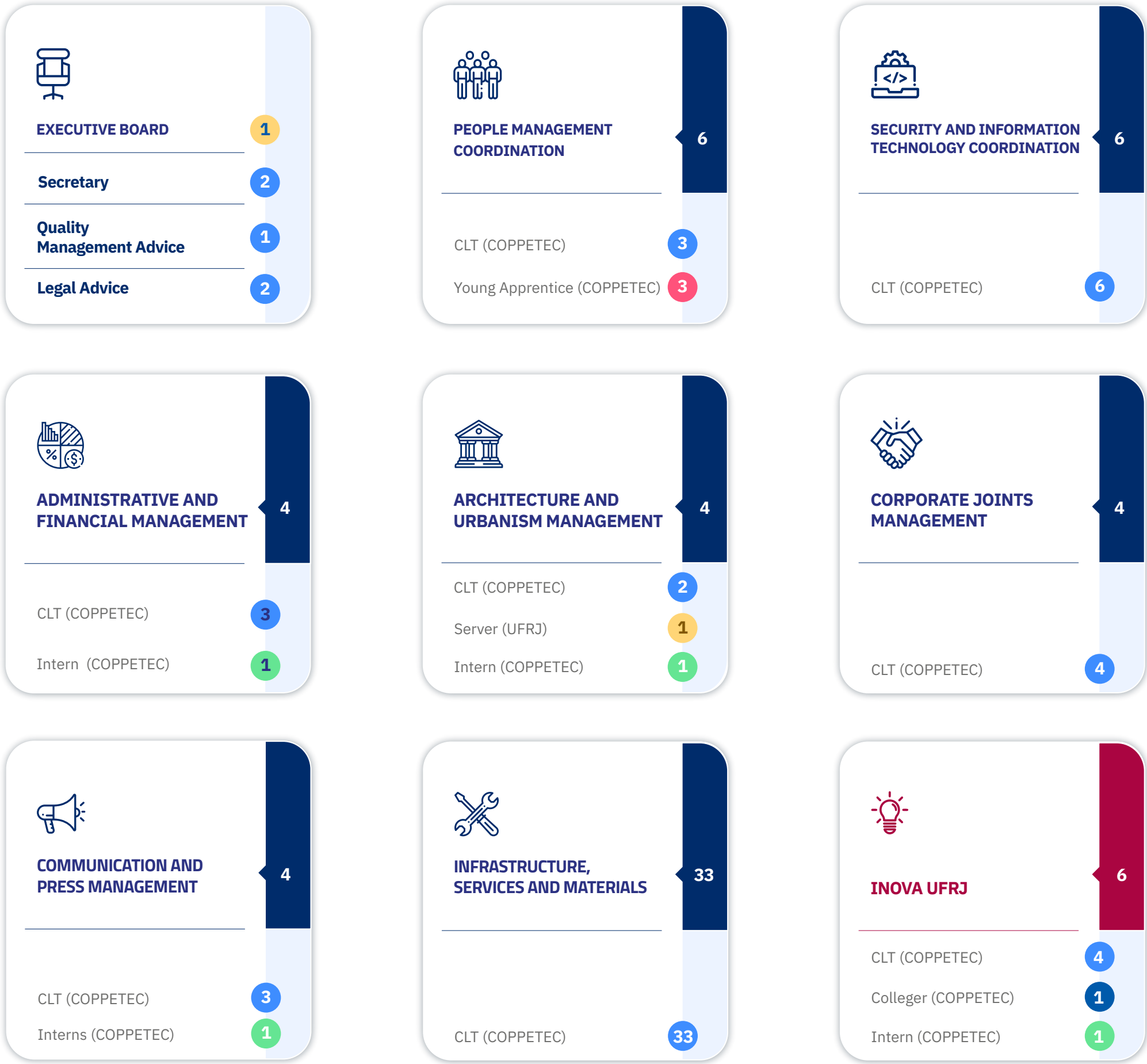
Below, we will present our team, people engagement actions and quality of life developed throughout 2022.

OUR TEAM

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

At the end of 2022, the UFRJ Science Park team had 73 employees – 67 allocated at the Park’s headquarters and six allocated at the UFRJ Innovation Agency⁴ –, distributed by management area, as shown in the figure below.

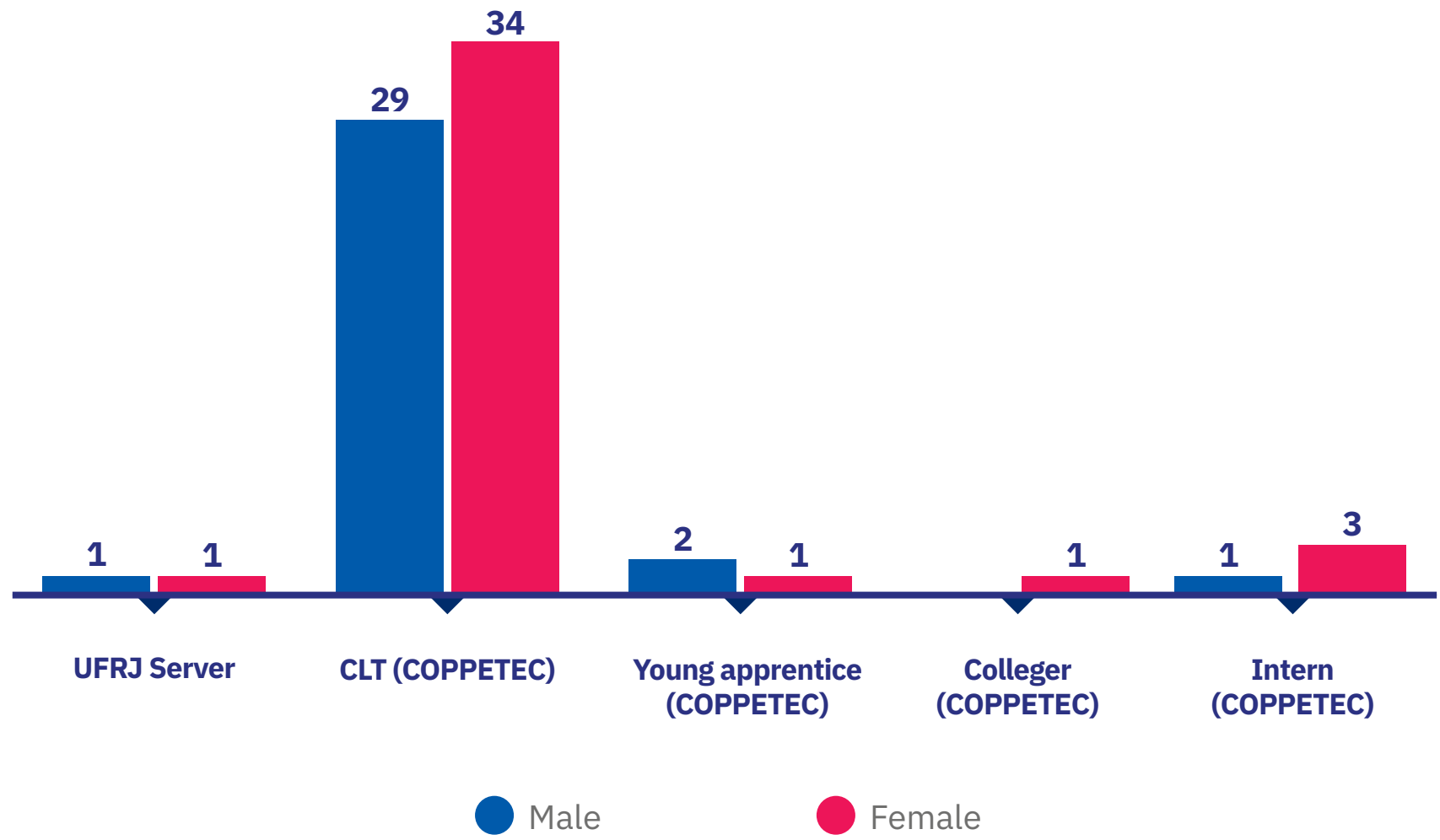
4 As of August 2021, the Park started to support the UFRJ Innovation Agency. For this purpose, six employees of the Park (four CLT, one intern and one fellow) were assigned to the coordination of the Innovation Agency.



● CLT (COPPETEC) ● Colleger (COPPETEC) ● Young Apprentice (COPPETEC) ● Server (UFRJ) ● Intern (COPPETEC)

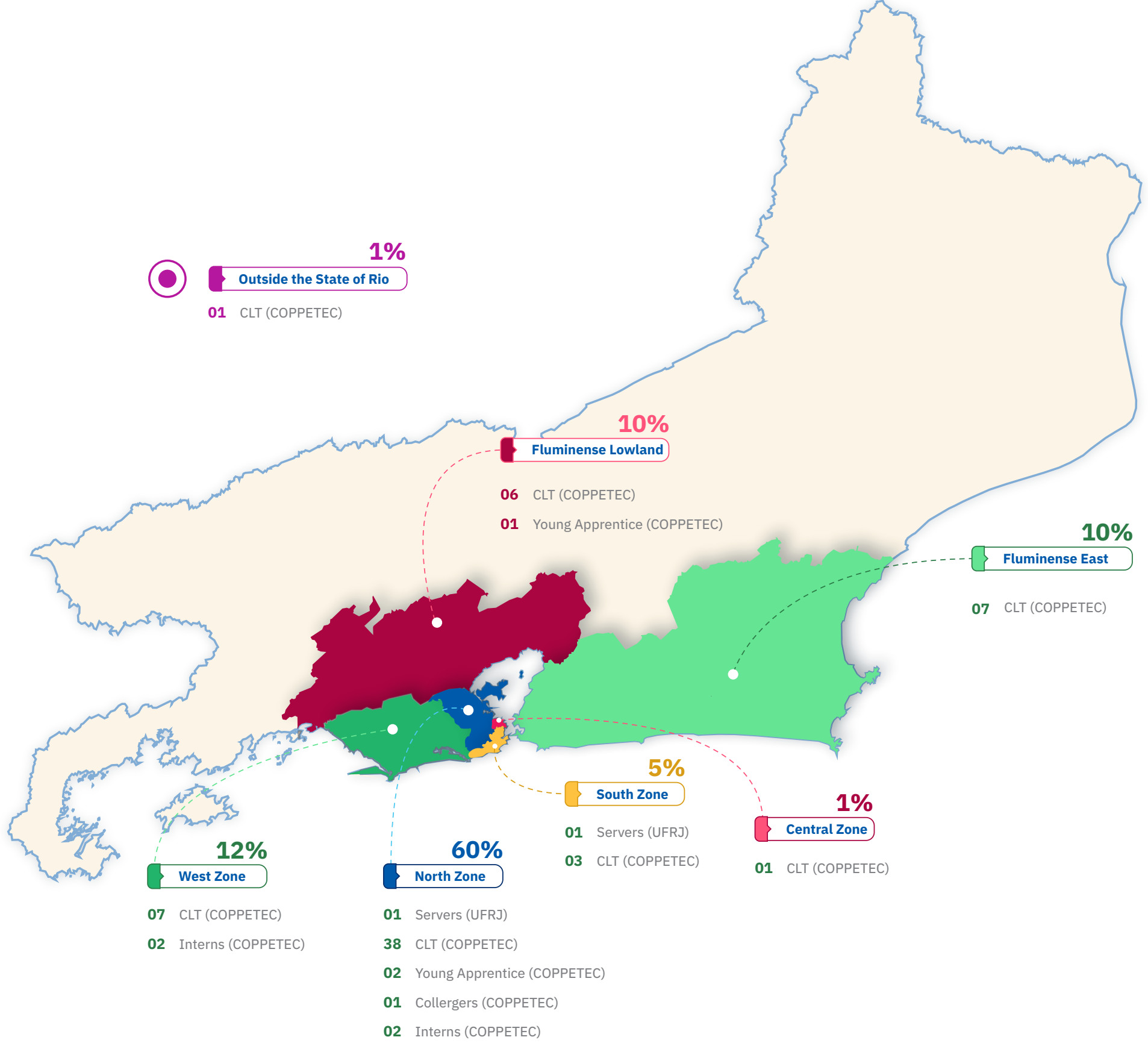
Total number of Park’s employees by management area and by employment contract in 2022

Of the total number of employees, 54.8% are female and 45.2% are male
(GRI 102-7 a.i, 102-8 a, 401-1).



Total number of employees per employment contract by gender in 2022 (GRI 102-8 a)

86% of our employees are governed by the Consolidation of Labor Laws (C.L.T.) via COPPETEC Foundation – 63 Employees and three Young Apprentices –, 3% are UFRJ employees and 5% are governed by contract.



Total number of employees per employment contract by region in 2022 (GRI 102-8 b)

Our employees are geographically distributed throughout the state of Rio de Janeiro (with the exception of two who live in the state of São Paulo and one in the state of Goiás) **(GRI 102-8)**, with 61% of the Park’s staff living in the surrounding area – North and Central Zone – and 19% living in surrounding communities⁵ **(GRI 102-8 b)**.

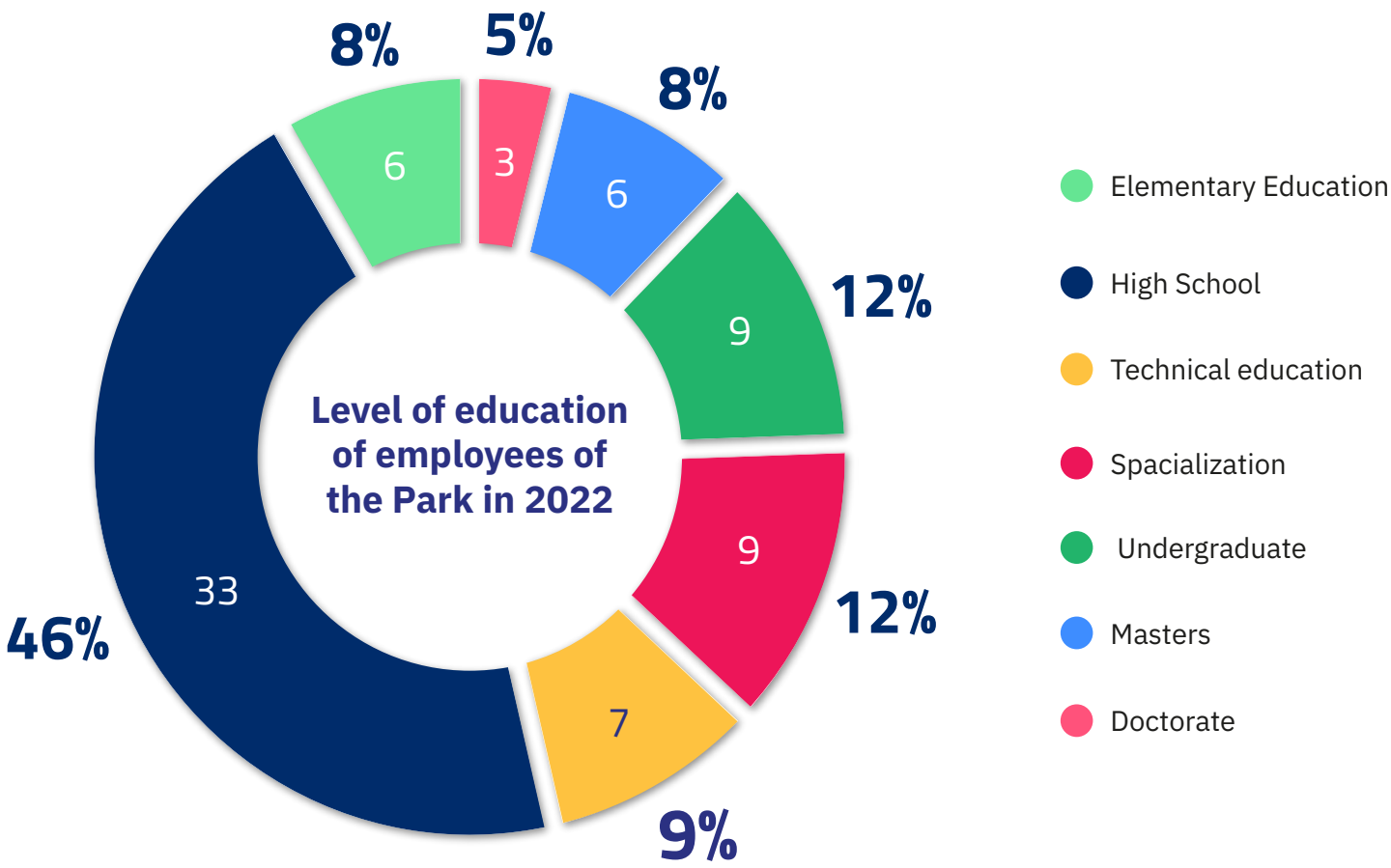
Compared to 2021, the number of employees working in the Park increased by 46%. This is due to the fact that the Park has taken over the management of the Rectory and Pro-Rectory building (now located within the Park) and its support for Inova UFRJ.

	Hired	Admission Turnover Rate (%)	Dismissed	Dismissed Turnover Rate (%)	Admission and Dismissed Turnover Rate (%)
Gender					
Male	12	36,36	3	9,09	22,73
Female	21	63,64	7	21,21	35,00
Age Group					
Under 29 years old	14	42,42	6	18,18	13,70
From 30 to 49 years old	16	48,48	4	12,12	13,70
Over 50 years	3	9,09	0	0,00	2,05
Region					
North zone	19	57,58	3	9,09	15,07
South zone	1	3,03	1	3,03	1,37
West zone	3	9,09	1	3,03	2,74
Central zone	1	3,03	1	3,03	1,37
East Fluminense	4	12,12	1	3,03	3,42
Fluminense Lowland	3	9,09	1	3,03	2,74
Outside RJ	2	6,06	2	6,06	2,74

Employee turnover rate by age group, gender and region in 2022 **(GRI 401-1 b)**

5 Maré, Manguinhos, Vila do João AND Residential Village

As a result, the turnover rate **(GRI 401-1 a)** of Park employees in 2021 was 13.7%, with 21 women and 12 men joining and seven women and three men leaving. The hired are mostly located in the North Zone of the city of Rio de Janeiro **(GRI 401- b)**. Of the people who joined, 87.9% were hired for new positions and 12.1% destined to replace pre-existing functions



Level of education of employees of the Park in 2022

Our team is made up of 46.58% of employees with technical training, undergraduate or postgraduate degrees and 45.2% with high school education. It should be noted that 19.2% of the total number of people who make up the technical staff do Parque (undergraduates and postgraduates) come from the University.

PEOPLE ENGAGEMENT ACTIONS
(GRI 102-43)

Aiming to create a more welcoming environment for our employees, as well as for the Park’s community, with activities that **generate engagement, dynamism, diversity and protagonism**, we maintained the Training Program carried out by employees and continued the implementation of the Continuing Training Plan for Employees of the Constant Personnel Development Policy by hiring training courses for the team.

In 2022, we continued with the quarterly feedback policy with the aim of creating an environment where comments and opinions on the performance of employees and their acting are constructive and frequent, thus contributing to the improvement of internal processes and the professional development of all.

We also carried out the Organizational Climate search carried out by the Administration Institute Foundation-FIA and the Great Place to Work Certification Journey, where the importance of a policy of frequent feedbacks was verified, proportional to happiness at work and trust in the institution.

TRAINING AND SKILLS
(GRI 404-1)

Employee Training Program

The Park's Employee Training Program began in November 2019. Weekly, on Thursdays, one of our employees, for an hour, is willing to share his knowledge in an event that integrates the team.

Throughout 2022, 37 Internal Trainings were performed.

DATE	THEM
13/01/2022	Residential Automation
27/01/2022	Task Automation with Power Automate
03/02/2022	The traps of Social Media

10/02/2022	Process Improvements
17/04/2022	2022-2022 Perspectives
24/02/2022	Contracts: some considerations
10/03/2022	Purchases
17/03/2022	Purchase system
24/03/2022	Feedbacks
31/03/2022	Budget Planning and Financial Report
07/04/2022	MVP company entries
05/05/2022	The Park and Coppetec: legal aspects
12/05/2022	Storytelling
19/05/2022	Generating connections: understanding the University-Company interaction
26/05/2022	Internal communication
02/06/2022	UFRJ’s Innovation Ecosystem: strategy and the role of the Innovation Agency
09/06/2022	Resolution of service provision and partnerships
23/06/2022	UFRJ’s Laboratory Sharing

30/06/2022	Intellectual Property (demonstrate what the IP sector realizes about actions)
07/07/2022	Park's strategic planning
14/07/2022	Learning about Park's Regulations
28/07/2022	Chat with GAFIN
11/08/2022	Cognitive bias: how it affects our decisions
18/08/2022	Chat with Operations
25/08/2022	Performance/Performance Evaluation
01/09/2022	Cognitive bias: part 2
08/09/2022	Uncomplicating Work Plan in Innovation projects
15/09/2022	Digital Bay Project
22/09/2022	Apresentação do novo sistema de atendimento- DeskManager
06/10/2022	Concepts Applied to Park's Management
13/10/2022	Chat about publics policies
20/10/2022	Pink October
27/10/2022	The difficulties of young people in the world of work
03/11/2022	The Activities of the Secretaries
17/11/2022	Service Management
15/12/2022	Looking for 2022

All trainings had virtual transmission, since part of the team works in a hybrid regime. In all, 1,911 hours of employees were trained in 2022, for an average of 30 hours per employee.

Continuing Training Plan for Park Employees

In addition to the above program, since its formation, the Park has supported its employees to train themselves, either through scholarships or by releasing employees during periods of their workday.

In the years 2022, there were 1,192 hours of leave for postgraduate studies or contracting postgraduate courses and courses for our employees, with an average of 108 hours per person.

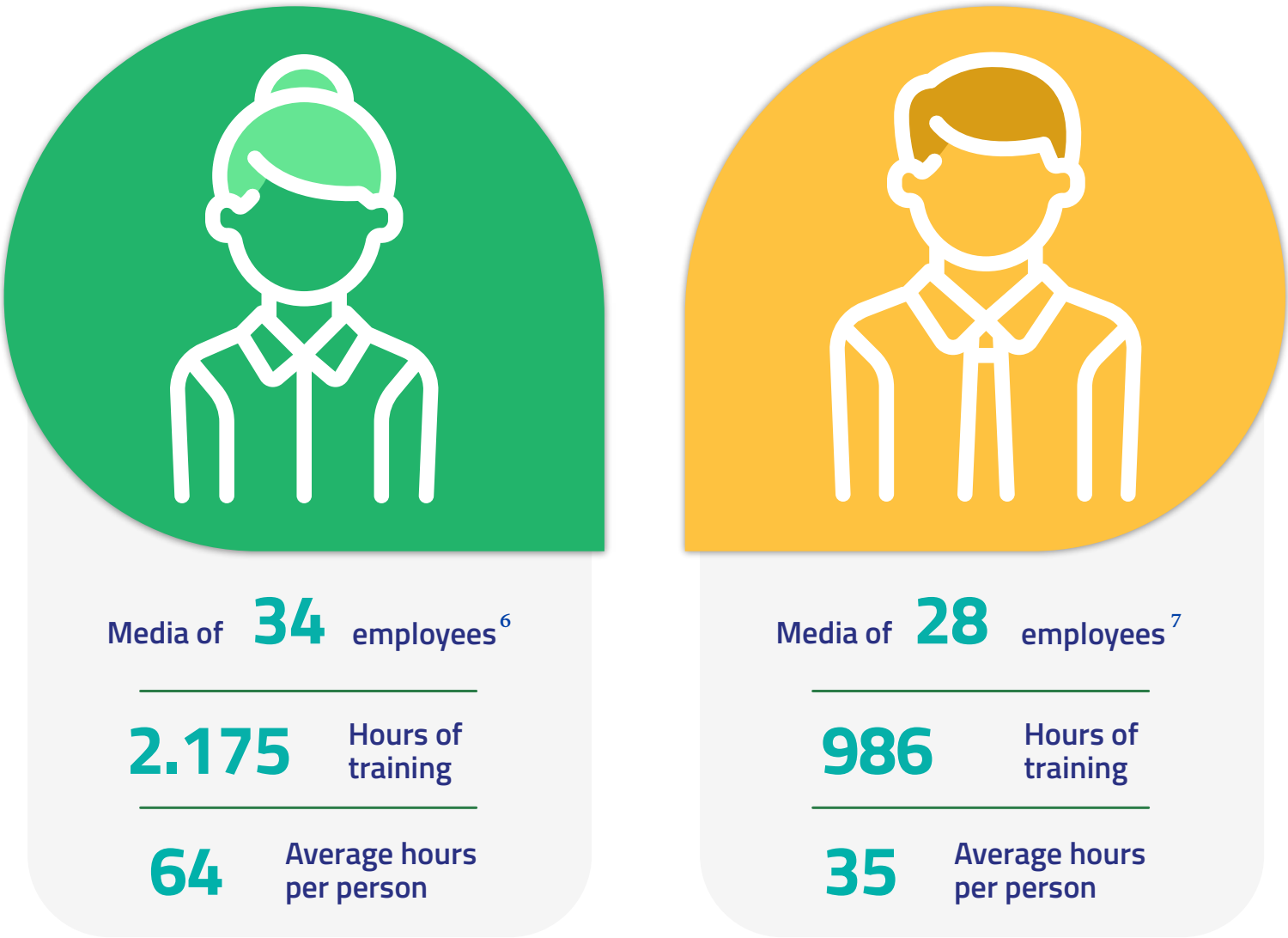
Continuing Training Plan for Park's Employees

	Employees	Hours	Average per employee per position
Storekeeper	1	37	37,0
Analyst	5	646	138,4

Architect	2	63	31,5
Advisor	3	497	165,7
Assistant	6	285	48,9
Auxiliary	14	516	37,8
Coordinator	3	87	29,0
Design	1	34	34,0
Director	1	28	28,0
Commissioner	1	34	34
Intern	2	41	17,0
Manager	4	126	29,6
Gardener	1	26	39,0
Young Apprentice	3	82	25,2
Receptionist	4	165	43,0
Secretary	2	168	84,0
Supervisor	4	126	34,4
Technician	6	200	33,8
TOTAL	62	3161	50,8

Hours and Average hours of training and qualification of Park's employees in 2022

Altogether (between internal training, capacity building, post-graduation and courses) there were 3,161 hours, with an average of 50.8 hours per person.



Quality of life action

Throughout 2022, some team integration events were realized: Birthdays of the Month, Women's Day, Easter, Mother's Day, Park's Arraial (June Party of the Park), Father's Day, Children's Day, in addition to our traditional New Year's Eve Party.

In March 2022, we received the GREAT PLACE TO WORK- “Best Companies to Work For” seal of participation that supports organizations to achieve better results through a culture of trust, high performance and innovation.

In July of the same year, we launched the program “Respira!”, which is composed of a series of activities specially designed for the well-being and health of park’ employees. The first edition included vaccination, measurement of vital signs, postural and ergonomic assessment, orienteering race, bicycle class, yoga, massage and meditation. Three editions were realized by the end of the year.

In November, we made the COPPETEC Foundation's “Fit” and “Conscious Psychology” programs available to our employees. The first aims at nutritional care and monitoring and the second was about psychological care.

FINANCIAL MANAGEMENT

The financial management of the UFRJ Science Park comprises a set of administrative actions and procedures aimed at maximizing the economic and financial results of the organizations. This management is fulfilled by a university support foundation – COPPETEC FOUNDATION – which acts as a management entity in accordance with Law No. 8,958/94, which governs the performance of such Institutions.

⁶ All employees trained during 2022 are accounted for, including those who left during this period.

⁷ All employees trained during 2022 are accounted for, including those who left during this period.

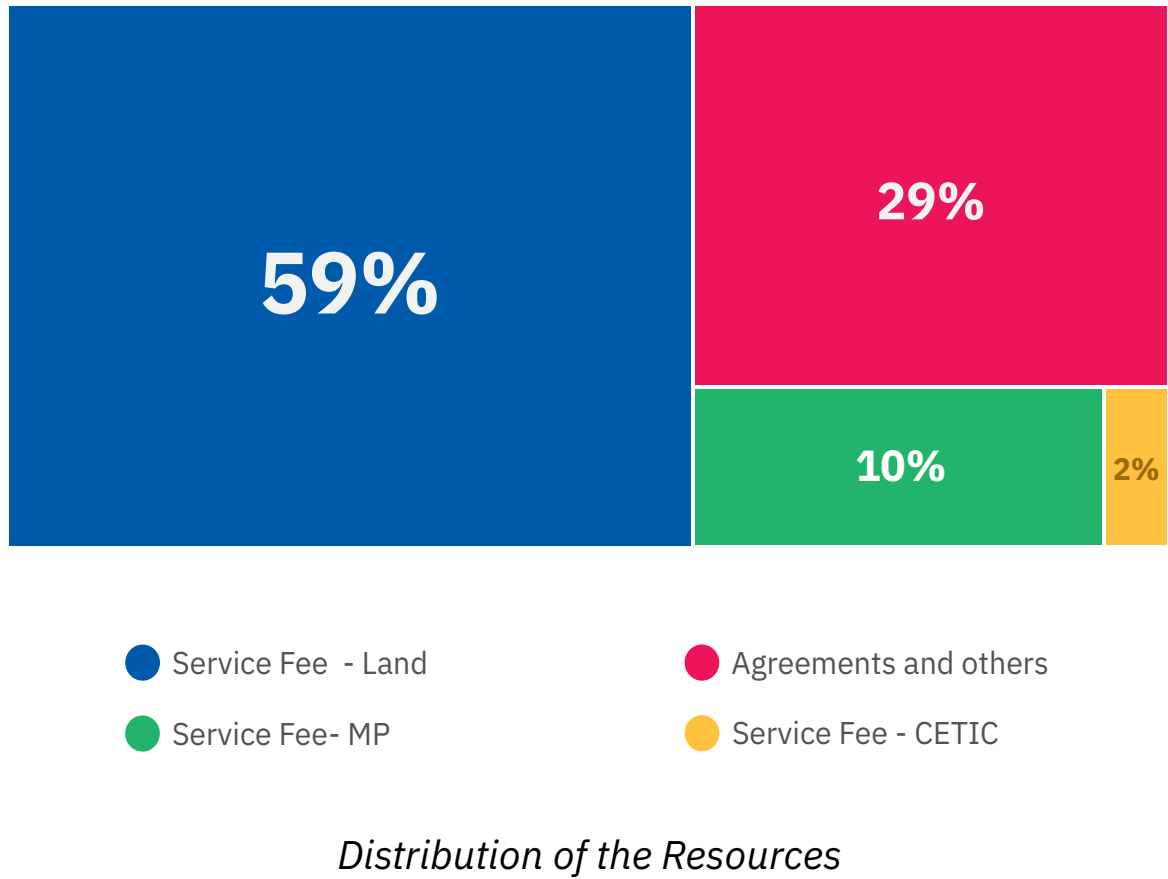
HEADQUARTER OF THE UFRJ SCIENCE PARK

Revenues
(GRI 201-1)

The revenue from the Park's headquarters comes from four types: service fee for companies installed on land, service fee for companies installed in shared buildings – CETIC and MP, use of Inovateca and agreements arising from the departure of companies.

Origin of Resource	Usoe of the resource
Land Service Fee	Reimbursement of costs arising from operation and administration activities of the Park, including expenses with cleaning, removal of waste, security, lighting, maintenance of public areas (located within the Science Park, outside areas that are subject to the assignment of use) and personnel.
Service Fee of the Shared Buildings - CETIC	
Service Fee ot the Shared Buildings - MP	
Use of Inovateca	Resources intended for the reimbursement of costs arising from the operation of the space.
Agreements	The resources are used in infrastructure investments and other projects considered strategic for the PTEC UFRJ, in addition to covering emergency expenses that are indispensable or that were not addressed by the annual budget forecast.

Resources from the aforementioned modalities reached R\$ 18 million in 2022 and were distributed as follows (GRI 102-7):



It is important to highlight that, despite these receipts, at the end of 2022, three organizations at the Park’s headquarters were in default⁸.

8 The default values of the three organizations are: R\$ 400,630.35 for As- signment of Use, R\$ 204,182.10 for Service Fees, and R\$ 9,938.43 for reimbursement of electricity consumption.

The Park also receives and manages revenues from the assignment of use of shared buildings and restaurant whose destination is exclusively for the fulfillment of the institutional objectives of Research, Development and Innovation (PD&I), as established in the regulations for innovation environments (Law 13,243/2016, Law 10,973/04 and Decree nº 9,283/18), which serve as a legal guideline for the application of such revenues. The criteria for applying these revenues were established in Resolution No. 48/2022 of the Board of Directors of PTEC-UFRJ.

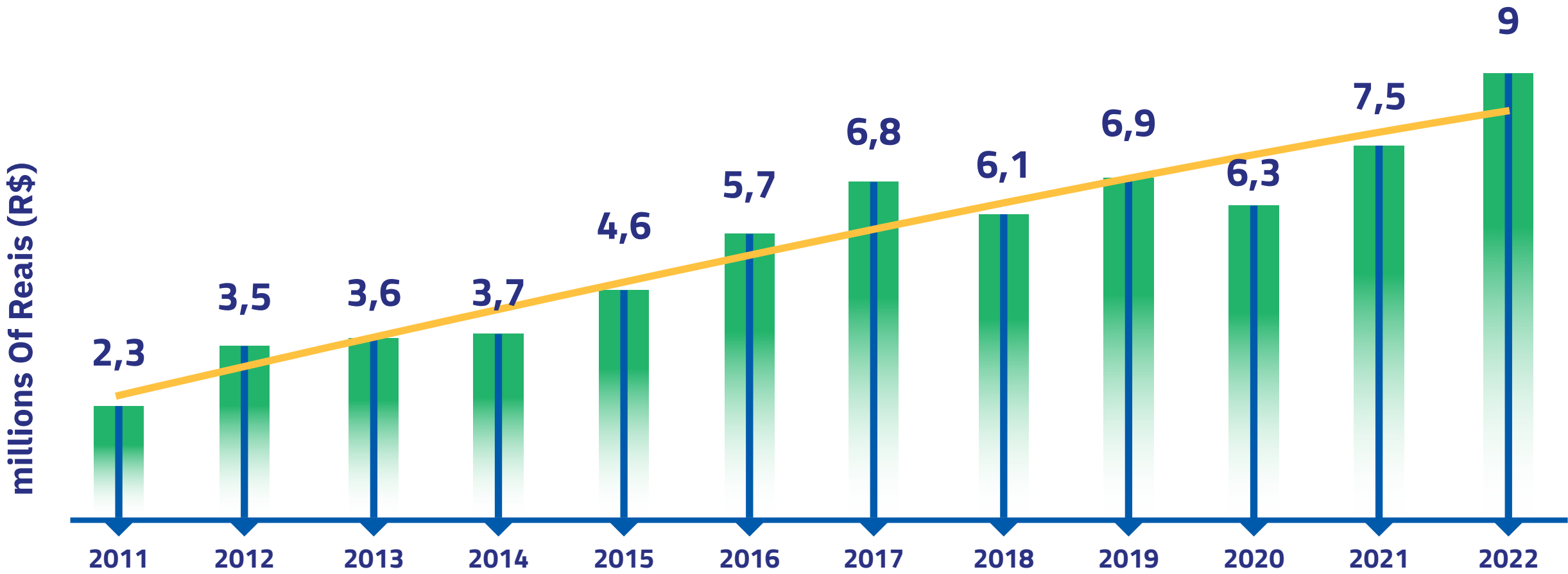
These institutional objectives of Research, Development and Innovation (RD&I) are implemented in the form of programs and projects able to promote interdisciplinary interactions between different academic areas of UFRJ and are defined as special projects of UFRJ.

The table below shows the amounts collected in 2022 and the balance available on 12/31/2022 of the Project PTEC-UFRJ 21531 - Assignment of Use of Shared Buildings and Restaurant (for use in RD&I):

Source of resource	Use of the resource	Collected in 2022	Accumulated balance Saldo acumulado
Assignment of Use of CETIC Space	Programs and Projects, developed by members of the UFRJ social body in research, development and innovation activities	R\$ 363.801,00	R\$ 1.874.742,00
Assignment of use of MP space		R\$ 645.346,00	
Assignment of use of Restaurant space		R\$ 0,00	
Total		R\$ 1.009.147,00	R\$ 1.874.742,00

To learn more about the Special Projects program, [click here](#)

The Park also generates financial resources with the assignment of land from established organizations. As foreseen in the process of creating the Park, these resources are transferred in full and directly to the Central Administration of UFRJ, configuring an extra source of revenue for the university. And, in fiscal year 2022, the amounts collected from these companies were R\$ 9 million. From 2011 to 2022, the following resources were transferred to UFRJ:



Comparison of land use assignment revenues between 2011 and 2022

Disbursements
(GRI 201-1)

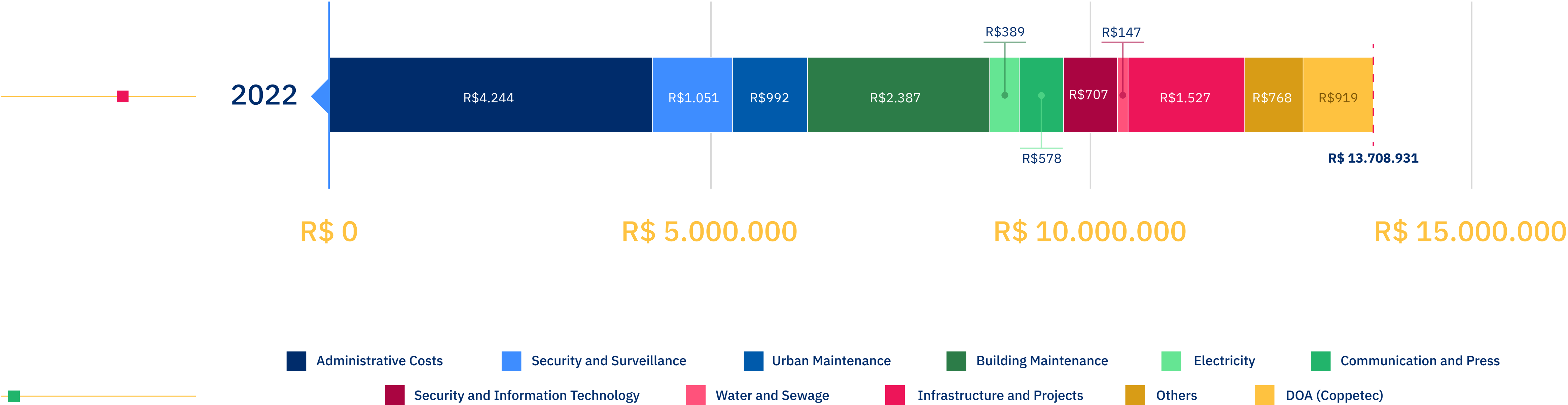
Given its mission, the Park demands services, materials and a multidisciplinary team capable of operating an environment of innovation⁹. Therefore, the investments made by the Park are distributed in the following headings¹⁰ :

Administrative Costs	Investment in personnel, services and materials inherent to the proper functioning of the administrative, legal and operational part, tickets and per daily rates. These activities are recurring, being carried out uninterruptedly.
Transport	Investment in staff (drivers), leasing contracts for electric vehicles for the transport of cargo and passengers, expenses with the institutional vehicle and employee transport.
Security and Surveillance	Investment in a team (property security supervisor), contracts for the provision of security and surveillance services, necessary to offer a fast and reliable service in terms of property security (facilities, equipment) and the safety of people who circulate and work in the Park, communication radios and vehicle access control.
Urban Maintenance	Investment in staff, services and materials needed to maintain roads and gardens. Of the activities carried out by this team in 2022, painting of crosswalks on overpasses, maintenance of public lighting, recovery of the asphalt on the streets and internal sidewalks of the Park, painting of fire hydrants and fireboxes were carried out. Of the contracted services, the most relevant is the maintenance of green areas.

Building Maintenance	Investment in staff, services and materials necessary for the maintenance of buildings for Administration, CETIC, MP, Access Building, Inovateca, Operations Center and Restaurant. Among the contracted services are the fumigation of buildings, cleaning of reservoirs, maintenance of protection systems against atmospheric discharges, maintenance of elevators, maintenance of hoses and recharging of fire extinguishers, operating system license for opening maintenance calls, fire alarm system fire, waste collection and others.
Electricity, Water and Sewage	Expenses with supply concessionaires (Águas do Rio and Light).
Telephony and Communication	Investment in staff, telephone services, internet and other tools to support communication, such as newsletter, mailing, clipping, subscription to newspapers and magazines and website maintenance.
Infrastructure and Projects	Team investment, elaboration of urban occupation plans, architecture and interior projects, layout projects for gastronomic events, readjustment works, reforms, constructions, acquisition of equipment.
Others	Expenses with items not foreseen in the budget, but which proved to be essential for the proper functioning of the Park in a certain moment.
Administrative and Operating Expenses (AOE)	Resources retained by the COPPETEC Foundation to reimburse administrative expenses for the support provided to the project.

⁹ To know more, [click here](#).
¹⁰ With regard to contracting services and purchasing materials, goods and equipment, the PTEC-UFRJ, through its support foundation, obeys 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 contracting and acquisition, bidding procedures and, still, PTEC-UFRJ values the partnership with the Academic Units of the University. In addition, whenever it is necessary to hire interns, PTEC-UFRJ gives priority to University students.

In 2022, the disbursements of the Park were approximately 14 million, distributed as follows:



Distribution of expenses for 2022 (GRI 201-1)

To learn more about the income statement for the 2022 fiscal year, [click here](#).

Biotechnology Pole of the Park Unit

In view of the need to vacate the space, a reflection of a legal impossibility, the companies were notified to demobilize and terminated their activities on the space. Of the 24 remaining companies, nine have demobilized and delivered the keys. By the end of December 2021, another ten companies have demobilized and delivered the keys until the agreed date, February 28, 2022. Finally, four companies failed to comply with the vacancy deadline, and some of them still remain in the space.

In 2021, the management of properties called Shared Buildings of the Biotechnology Pole was transferred to the Rectory of UFRJ. In 2022, the Science and Health Center – CCS approved the transfer to its management of the other areas of the Biotechnology Pole that were still under the management of the UFRJ Science Park. In a session on June 28, 2022, the CSCE approved the incorporation of the Biotechnology Pole area of the Science Park to the CCS. In September 2022, all keys were delivered to the Rectory's Office.

Revenues

(GRI 201-1)

Revenues from the Biothechnology Pole Unit come from service fees, charged from companies while residing at PTEC-UFRJ.

source of resource	Use rresource
Fee service	Reimbursement of costs arising from the operation and administration activities of the Park, including expenses with cleaning, waste removal, security, lighting, maintenance of public areas (located inside the unit, but outside the areas that are the subject of the assignment of use) and staff.

The revenue for the year 2022 was in the order of R\$ 1 million.

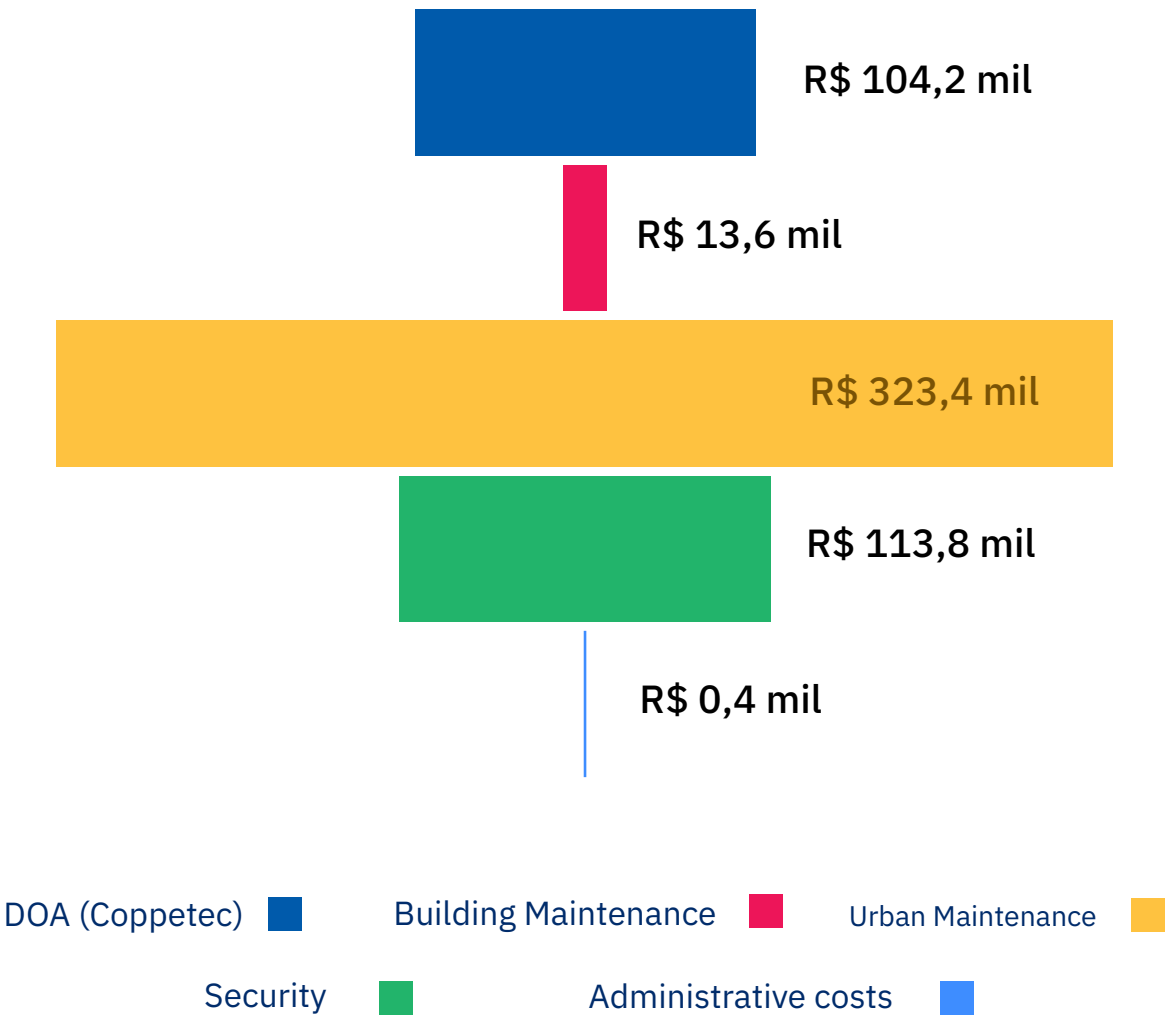
There is also generation of financial resources with precarious permissions for the use of land/sheds/rooms. These resources are managed directly by the central administration of UFRJ, through the Pro-Rectory of Management and Governance (PR6), and are therefore not described in this report. However, the amount collected by the university added R\$ 894 thousand, in 2022.

Disbursements
(GRI 201-1)

Disbursements made in the area of the Biotechnology Unit are distributed in the following headings:

Administrative costs	Investment in staff, services and materials inherent to the proper functioning of the administrative and operational part.
Transport	Covers expenses with the institutional vehicle.
Security and Surveillance	Investment in a reliable team with regard to property security (facilities, equipment) and the safety of people who circulate and work at 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, reforms, construction, equipment acquisition and project elaboration.
Administrative and Operating Expenses (AOD)	Costs retained by COPPETEC Foundation to reimburse administrative expenses for the support provided to the project.

In 2022, disbursements by the Biotechnology Pole unit were around 555 thousand, distributed as follows:



Distribution of expenses 2022 (GRI 201-1)

To know more about the 2022 income statement, [click here](#).

In the second half of 2022, the services provided by the Sciencel Park, through the COPPETEC Support Foundation, to the companies occupying the space, ceased. This was due to the end of the agreements signed in court, since the services were carried out by the consideration paid by the companies and signed in court.

Contingency Reserve
(GRI 201-1)

The Park has a contingency reserve system. In addition to the Operating and Administrative Expenses (OAE) fee that the COPPETEC Foundation collects from the PTEC-UFRJ as of reimbursement for the support provided to the project, a collection is also carried out monthly, in proportion to the revenues received, for formation of contingency reserve to be used in investments in the Park. Its balance on December 31, 2022 is approximately R\$ 5 million, of which the amount of R\$ 802 thousand was collected by the Park’s headquarter and by the Polo unit over the last year.

The available balance will be used in infrastructure investments and other projects considered strategic for the PTEC-UFRJ, in addition to paying for essential emergency expenses or those that were not addressed by the annual budget forecast.

ECO-EFFICIENCY MANAGEMENT

(GRI 102-11)

The Ecoefficient Park program is carried out with a view to reducing the impacts of our operations on the environment. The objectives of the program are: rebuilding biodiversity, reducing the consumption of energy and water resources, and correct destination and reuse of solid resources. Below, we present our results.

PARK'S BIODIVERSITY

(GRI 304-3)

THE LANDSCAPE PROJECT OF THE PARK WAS DEVELOPED WITH AIM AT PRESERVATION OF PRE-EXISTING MANGROVE AREAS AND THE RECOMPOSITION OF DEGRADED VEGETATION OVER THE YEARS.

The Park's biodiversity is made up of sandbank and Atlantic Forest species. Its management is made out through the implementation of the Landscape Project from the Park. Our environment has around 450,000 m², of which 350,000 m² are the headquarters of the Park, where 76,609.27 m² are made up of green areas, 3,411.37 m² of mangroves. These areas are environmental preservation, protected by law.

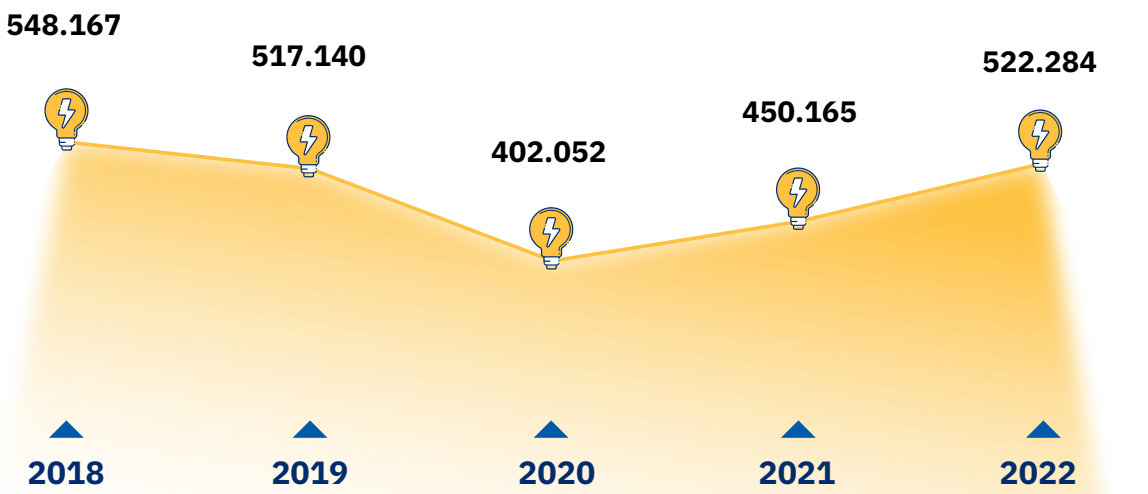
In the last years, we revisited the landscaping project and around 83% of what was designed is in place. As a consequence, there is a return of birds and mammals of the Brazilian fauna.

ENERGY

(GRI 302-1)

The energy consumed by the Science Park UFRJ is from an electrical source, whose supply is carried out by the Light concessionaire. The methodology for measuring the consumed energy is done through a monthly control tool of performance curves.

Under the management of the Park are the buildings - Access, CETIC, CEOP, Garden, Inovateca, MP and public lighting.



Energy consumption in KW/h at the headquarters of the UFRJ Technology Park between the years 2018 and 2022

The energy consumption of the Park headquarters in 2021 was 450,165 Kw/h, with an increase of 11.9%, according to the suspension of some measures adopted in 2020 due to the pandemic. One of these measures was the disconnection of 50% of the park's poles. The poles were fully connected from April 2022. In addition to public lighting, CETIC's air conditioning

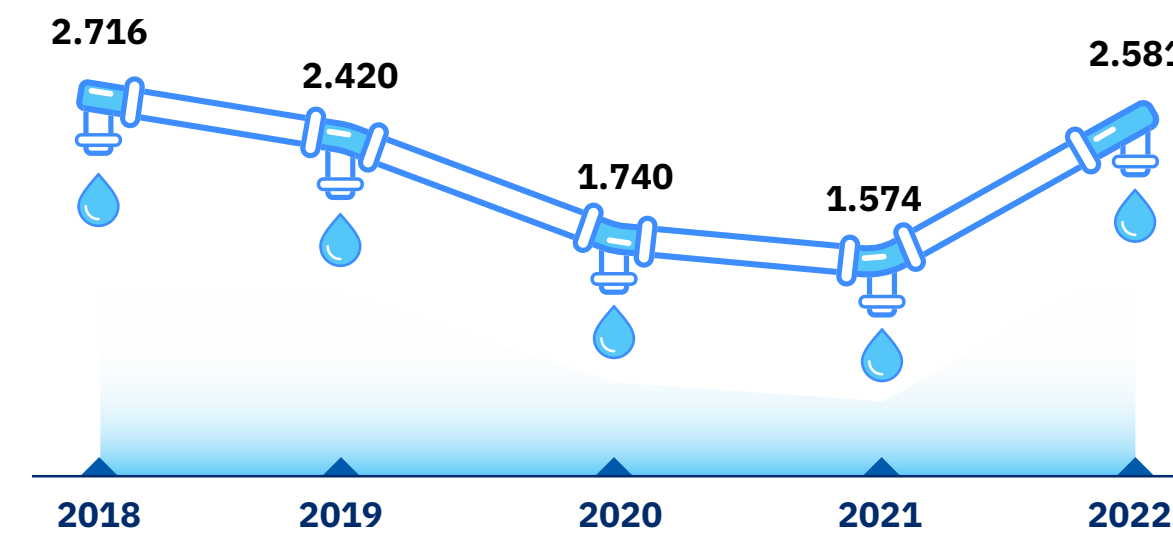
system was operated again for 12 hours (7 am to 7 pm), the external lighting of the buildings was also reactivated at 100%. And with the return of face-to-face activities, there was an increase in the use of air conditioning, lighting, computers and other equipment.

In 2022, consumption was 522,284 Kw/h, with an increase of 13.81% compared to 2021. This is justified by the return of 100% of face-to-face activities. Even so, energy consumption in 2022 compared to 2018 (before the pandemic) shows lower consumption. The factors that contributed to the reduction in consumption were the implementation of actions aimed at increasing energy efficiency, such as the installation of occupancy sensors in bathrooms and emergency stairs and the replacement of metallic vapor lamps in the MP with LED lamps.

WATER

(GRI 303-5)

The park's water supply is carried out by the company Águas do Rio. The methodology used by the Park administration to measure the consumption of buildings - Access, CETIC, CEOP, Garden, Inovateca and MP – is the monitoring of daily consumption by light meter.



Water consumption in m³ at the headquarters of the UFRJ Science Park between the years 2018 and 2022

In areas related to the headquarters of the Park, water consumption was 1,574 m³ in 2021, registering a reduction of 9.5% compared to the previous year. In 2022, there was an increase of 39.02%, with a consumption of 2,581 m³. This increase compared to 2021 is justified by the return of 100% of face-to-face activities.

WASTE

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

Collecting common waste, composting landscaping maintenance waste and collecting and disposing of recyclable waste – Recicla Parque – 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) – A (non-inert) waste – according to NBR 10,004/2004. The system is supported by an outsourced company, duly licensed by INEA, which collects common waste on a daily basis and transports it to a waste transshipment station (ETR), which is also licensed. For common waste, the evaluation is done by volume, since the number of containers of 1.2 m³ is counted, according to the table below.

MONTH	Biotechnology Pole								Headquarters of the Park							
	2019		2020		2021		2022		2019		2020		2021		2022	
	Containers/ Month	Volume m³/Month	Containers/ Month	Volume m³/Month	Containers/ Month	Volume m³/Month	Containers/ Month	Volume m³/Month	Containers/ Month	Volume m³/Month	Containers/ Month	Volume m³/Month	Containers/ Month	Volume m³/Month	Containers/ Month	Volume m³/Month
January	0	0	101	121,2	47	56,4	34	40,8	107	128,4	110	132	93	111,6	93	111,60
February	78	93,6	77	92,4	46	55,2	28	33,6	124	148,8	102	122,4	72	86,4	72	86,40
March	95	114	73	87,6	44	52,8	23	27,6	119	142,8	105	126	93	111,6	93	111,60
April	94	112,8	21	25,2	44	52,8	15	18	97	116,4	41	49,2	81	97,2	81	97,20
May	110	132	55	66	35	42	8	9,6	133	159,6	66	79,2	82	98,4	82	98,40
June	100	120	58	69,6	48	57,6	9	10,8	109	130,8	71	85,2	86	103,2	86	103,20
July	119	142,8	63	75,6	49	58,8	5	6	139	166,8	82	98,4	91	109,2	91	109,20
August	108	129,6	47	56,4	49	58,5			118	141,6	80	96	91	109,2	91	109,20
September	104	124,8	53	63,6	42	50,4			107	128,4	89	106,8	88	105,6	88	105,60
October	110	132	53	63,6	41	49,2			121	145,2	97	116,4	82	98,4	82	98,40
November	98	117,6	41	49,2	3	3,6			100	120	69	82,8	74	88,8	74	88,80
December	81	97,2	53	63,6	4	4,8			98	117,6	94	112,8	13	15,6	67	80,40
TOTAL	109,7	1.316,40	695	834	452	542,1	122	146,4	1.372	1.646,40	1.006	1.207,2	946	1.135,2	1.000	1.200

Common waste per containers and m³ at the Biotechnology Pole and at the Headquarter of the Park from 2020 to 2022

The common waste collected by the Headquarter of the UFRJ Science Park in 2021 was 1,135.2 m³, suffering a reduction of 5.96% compared to the previous year. In 2022, the increase was 5.71%, with a collected volume of 1,200 m³. This is due to the fact that with the return of face-to-face activities, there was an increase in the flow of both the Park’s organizations, as well as the administration.

The waste collected at the Park's Biotechnology Pole was 542.1 m³ in 2021, suffering a reduction of 35.00% compared to 2020. In 2022, the volume collected until July was 146.4 m³, with a reduction compared to 2021 of 61.2%, in the same period. The justification for the reduction of waste produced has to do

with the repossession by UFRJ of spaces occupied by companies¹¹.

The sustainable destination of waste from landscaping maintenance is carried out by

11 To know more about this, [click here](#).

composting process. Daily, maintenance of the Park's green areas generates a quantity of organic matter from pruning, mowing and leaf fall of the trees and shrubs. Seven years ago, they implemented composting piles, avoiding the monthly hiring of waste disposal companies, which provided the use of this material as an excellent quality raw material for the recovery of degraded soils during planting and maintenance of tree species and 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.

TRANSPARENCY AND INTEGRITY MANAGEMENT IN THE PARK

(GRI 103-1, 102-16)

The Science Park adheres to the Integrity and Transparency Policy of the Coordination of Projects, Research and Technological Studies Foundation – COPPETEC¹², given that the financial and operational management of the Park receives support from the Foundation.

Complementarily, we developed the Transparent Park program, which consists of in a series of actions that make public the

relevant information of common interest about the Park and its management. On our website, there is a page called Transparent Park, which enables knowledge of management activities of the UFRJ Science Park and the functioning of our institutional governance, and is updated continuously as actions occur.

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

With regard to ethics and integrity, the Park's values were revised during the pandemic period¹³. Complementarily, in addition to the General Regulation, the Park also has an Operational Regulation, Land Use Regulation, Support and Sponsorship Policy and Sustainability Policy, instruments that help in the exercise of effective and transparent management.

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

13 In 2020, the Park team began reviewing the core strategy, reflecting on new values, mission and vision. The complete planning review took place throughout 2021. To know more about the core of the Park's strategy, access the link: www.parque.ufrj.br/missao-valor-e-visao-2030/.

2

Park's Organizations

On 12/31/2022, the Park had 28 resident organizations (11 research centers of large companies, seven medium and ten small), six UFRJ's laboratories and 14 associated organizations.

Below, we list the resident organizations on 12/31/2022:

Large Organizations:

Small and medium organizations:

Associates:

Laboratories and Institutions:

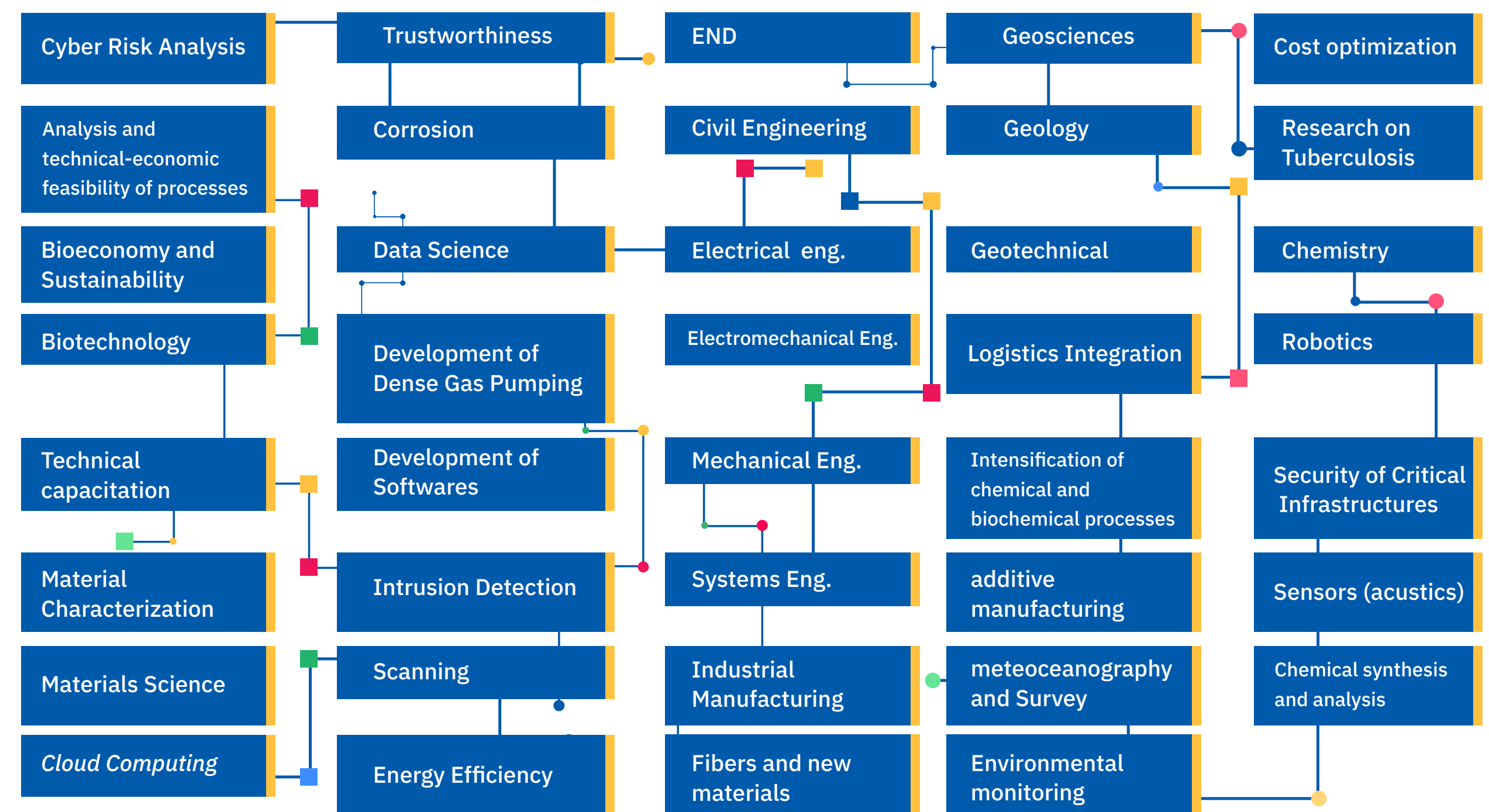
We verified that, in 2021 and 2022, the percentage of the coverage of technologies produced by the organizations of the Park had a considerable change, taking into account that the total universe is different. Around 46% of the technologies produced are global in scope, while 54% are national in scope. Comparing to the year 2021, most technologies were global in scope and today we can see a considerable increase at the national level.

Year	Global (%)	National (%)
2021	55%	45%
2022	46%	54%

Legend: Global (Blue), National (Pink)

*Scope of technologies oh the residents organizations
in the Park in 2021 and 2022*

14 In 2022, these data refer to the organizations: Ambev, Benthic, Rede-TB, Green Hat, Clavis, OceanPact, Bio Bureau, Halliburton, Manserv, Senai Cetiq, Superpesa, Pro-Oceano and TecnipFMC.



3

Park and the local development

inovateca

Technological parks have the prerogative of boosting regional and national economies, adding to them content of knowledge and technological innovation. The UFRJ Science Park strives daily to fulfill its role and boost the development of innovative companies, the interaction of these companies with UFRJ and other research centers, technological development, 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 we are located.

COMPANY-UNIVERSITY INTEGRATION

The Park's reason for being, the business-university integration aims to respond to the final objective: "to promote the continuous increase of the ecosystem's innovation capacity" of the Park's 2020-2030 strategic planning, in addition to the final objectives 3, 4, 5, 6 and 7 of [Resolution 10/2018](#).

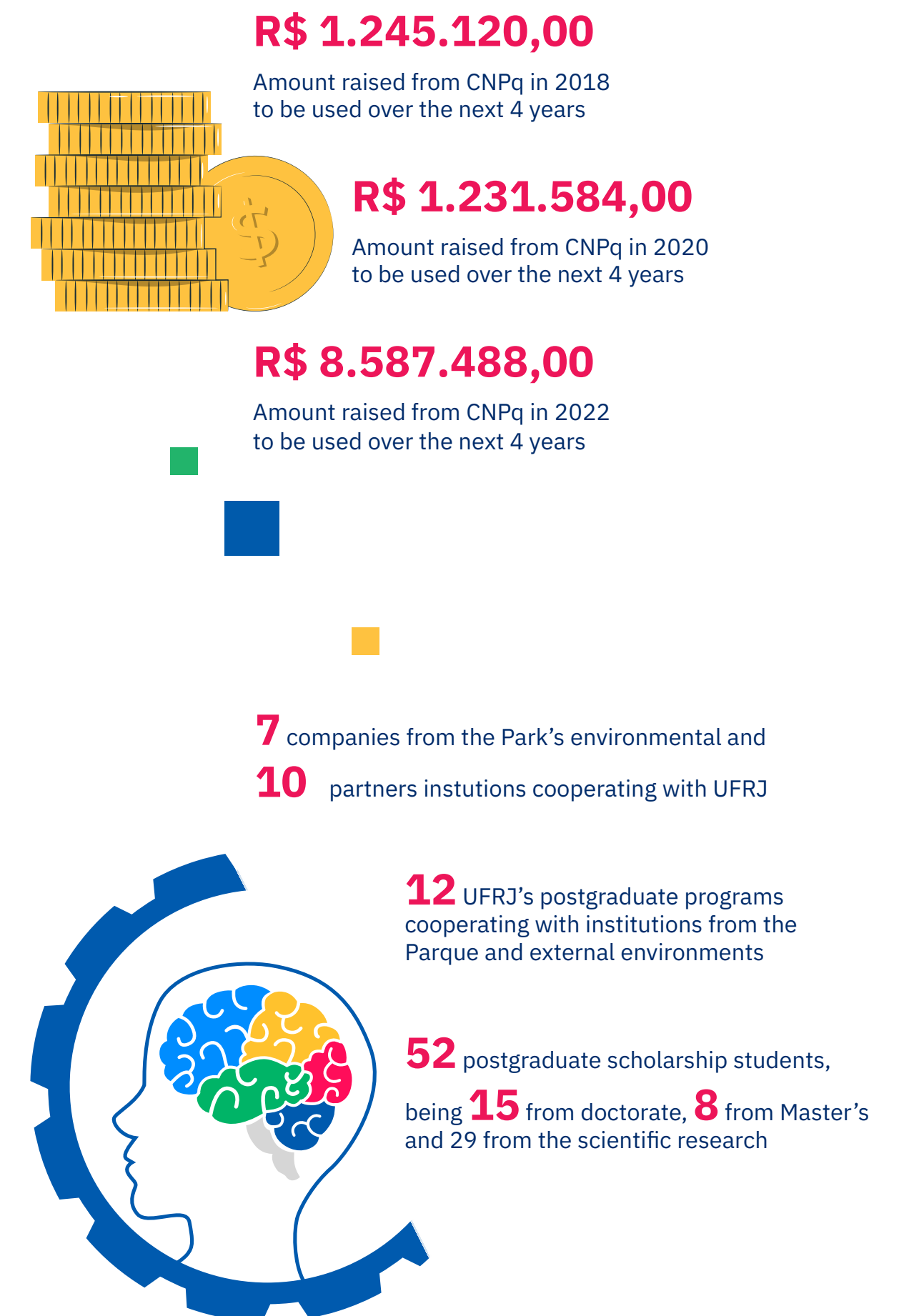
We believe that an ecosystem's capacity for innovation depends on the connections and interactions that can be made between the actors that make up this network, and therefore, the Park acts as a connecting agent between resident organizations, centers of research, university, students, investors, among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

to enhance the capacity for innovation with high added value and impact on the socioeconomic development of society.

Next, we present the actions, projects and programs carried out in 2022 to encourage business-university integration.

MAI DAI UFRJ PROGRAM – ACADEMIC MASTER AND DOCTORATE FOR INNOVATION

The MAI DAI Program offers doctoral, master's and scientific initiation scholarships so that the UFRJ student body, through their research, increases their innovative and competitive capacity of companies and scientific and technological development in the country, while strengthening regional innovation systems. MAI DAI is a program managed by the Dean of Graduate Studies and Research - PR2 in partnership with the Park and will be developed by the year 2027.



INTEGRATION EVENTS
(GRI 103-1)

One of the Park's final objectives is to bring the UFRJ academic community closer to high-quality technology-based companies, creating opportunities for new cutting-edge research projects. It is also the objective of the Park to develop the relationship between the organizations, institutions and resident laboratories, since in this way we increase the innovation capacity of the ecosystem.

Aiming to achieve these two objectives, throughout 2022, we realized 19 integration events, 14 of which were hybrid and 5 were face-to-face.

Name of the event	Place	Description /Goals
Eureka Air Center	Inovateca	Inauguration of the project whose objective is the development of research on climate change and issues related to the Atlantic Ocean
Welcome back: how to build a career	Inovateca	The Event seeks to discuss 'How to build a career', from different perspectives, which is important so that an undergraduate student can consolidate himself as a good professional and what are the different paths to success.
IP DAY	Inovateca	Celebration of the World Intellectual Property Day
TechDay	Inovateca	The event seeks to celebrate the world day of the information society focusing on the work of women and girls in the area of technology. In this sense, it had the participation of the company Open Labs, the Minervas Digitais group and the extension Tem Menina no Circuito.
Ecologies of data, knowledge and innovation in times of uncertainty - Reflections about CT&I in Portugal and Brazil	Inovateca	Lecture with Manuel Heitor, former Minister of Higher Education and ST&I of Portugal to discuss Data Ecologies, Knowledge and Innovation in Times of Uncertainty

Presentation of public notice Petrobras Connections for Innovation	Inovateca	Presentation of the public notice of the Petrobras: Connections for Innovation
Presentation of Faperj Public Notices - Dr. Entrepreneur and Researcher at Company	Inovateca	Presentation of Faperj Public Notices - Dr. Entrepreneur and Researcher at Company
Good Law Event	Inovateca	Morning event of 'Innovation Day', which had lectures and seminars on Good Law Event and opportunities for companies.
Innovation Day	Inovateca	Evening event, part of the 'Innovation Day' with presentation of the projects developed in the MAI/DAI program, within the scope of UFRJ.
National Event of Intellectual Property carried out by INPI in partnership with UFRJ	Inovateca	National Event of Intellectual Property carried out by INPI in partnership with UFRJ
Problem Solving Methodologies	Inovateca	Lecture about the course Problem Solving Methodologies Offered by Visagio
Science and Technology Day	Inovateca	Event that seeks to celebrate Science and Technology Day, with a lecture on CT&I in Brazil with Paulo Tigre and Student Entrepreneurship with Claudio Miceli
Innovation and entrepreneurship in writing	Inovateca	Celebration event of the Portuguese Language National Day, November 5th. It featured an exposition of the storytelling students' cases, a lecture on Copyright by Professor Kone Cesário and the inauguration of the Inovateca book exchange point.
Final event Doctor Entrepreneur program	Inovateca	Event that seeks to celebrate the closing of the first classes of Doctor Entrepreneur program of FAPERJ and the Innovation ecosystem of UFRJ.

Integration Events held in 2022

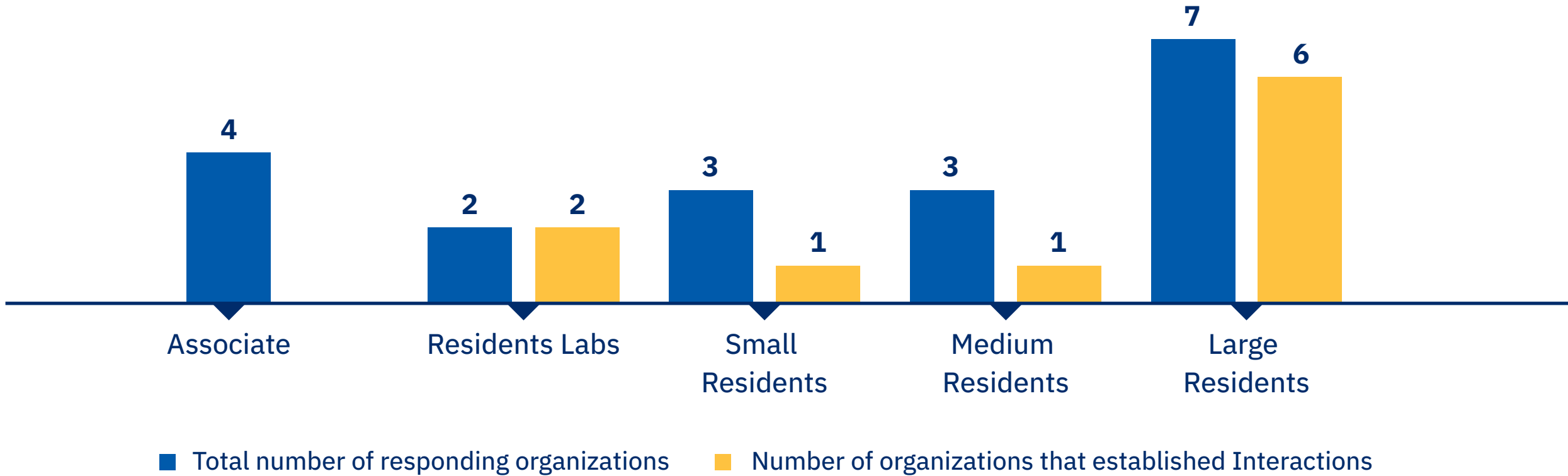
PERCEPTION OF RESIDENTS
ABOUT THE INTERACTIONS ESTABLISHED
BETWEEN THEMSELVES

Order to assess the perception of residents and associates about the interactions (established among themselves, with the startups of the Doutor Empreendedor Program, with the startups of the Crios Macaé incubators, with the startups of the COPPE/UFRJ Business Incubator and with the laboratories installed in the Parque , a survey was carried out, the results of which are presented below:

2021		2022
44	Residents and associated organizations	46
11	Responding Organizations	19
8	Made Interactions	10
3	No interactions	9
53	Total of Interactions	61
62%	Strong Interactions	59%
38%	Weak Interactions	41%

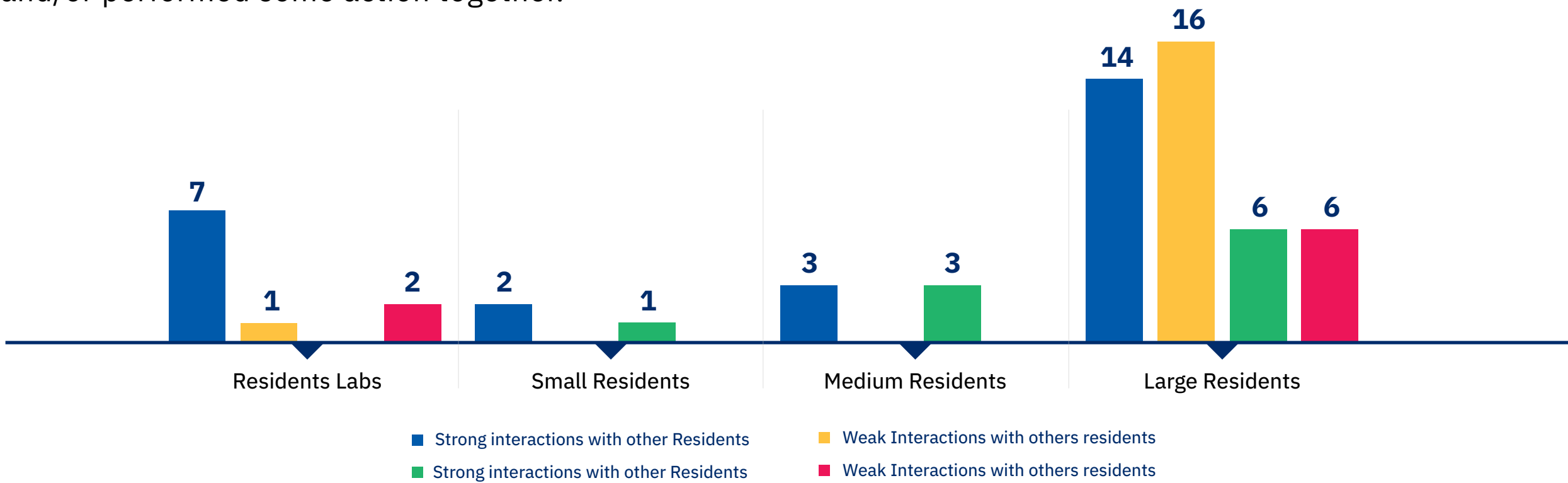
Summary Table of Interactions 2022

Out of the total respondents, 19 resident and associate organizations, institutions, and laboratories, 53% established some type of interaction among themselves.



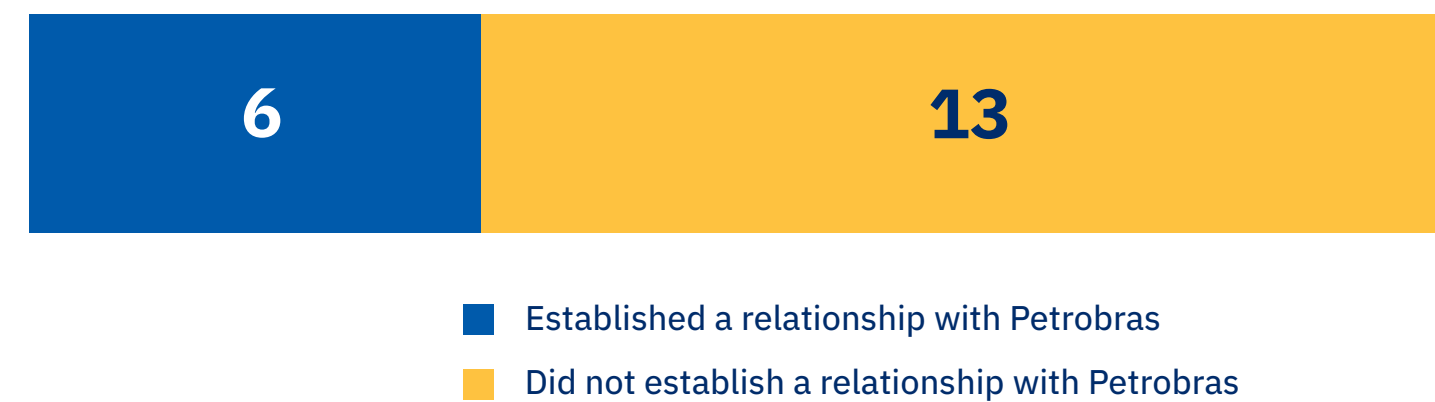
Total number of residents and associates who responded to the survey and who interacted with other organizations in the Park's ecosystem in 2022

Of these interactions, the majority were of a strong nature (59%), meaning that they closed some agreement and/or performed some action together.



Total number of strong and weak interactions between residents and other organizations in the Park's ecosystem in 2022

Another important point to evaluate the innovation ecosystem is to understand the relationship between the residents of the Park and the companies in the respective production chains. To assess this issue, residents were asked if they had provided any product, service or established any technical cooperation with Petrobras in 2022.



Number of respondents who established some type of relationship with Petrobras (Strong or Weak)

In 2022, 17% of the companies that responded to this survey had provided some product, service or established some technical cooperation with Petrobras. All of them participated in the oil and gas production chain in some way. Comparing with the previous year, it can be seen that the percentage of companies interacting remained almost the same.

COOPERATIONS OF THE UFRJ'S ORGANIZATIONS

(GRI 103-1)

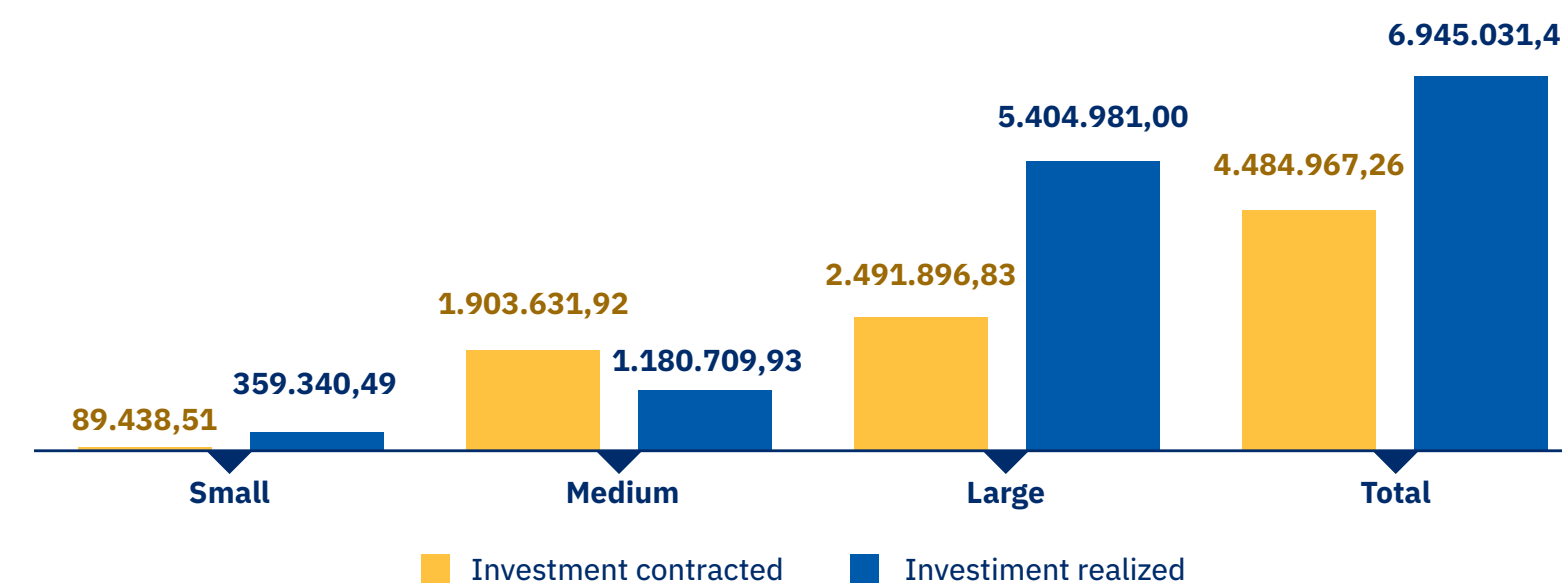
Resident companies are encouraged to get to know, interact and access UFRJ's capabilities, given that the connection between academics and companies is not always a spontaneous action. For this partnership to happen, eventually, it is necessary an initial articulation, with the Park being an important channel in this process, seeking to connect these capacities with the resident companies.

In 2022, we operate in the telework standard, developing actions, aiming to establish direct and

continuous channels for the promotion of cooperation university-organizations. The remote modality made it possible to connect employees who work outside of the Park's environment, a relevant fact because previously physical presence was an important requirement, in order to identify demands from companies and possible laboratories, research groups or professors who could interact.

As a result of these interactions, around R\$ 6.9 million were invested¹⁵ in 164 cooperation projects with UFRJ in 2022. Compared to 2021, in 2022 there was 152% more investment in cooperation. The amount invested in R&D was 1.5 million, 114% more than in the previous year.

The number of projects contracted in 2022 was 29, with the value of these investments being around 4.4 million (62% more than in 2021).



Investment contracted and realized by the Park organizations in 2022

¹⁵ Investments made in 2022 include projects contracted in 2022 and in previous years. Not every project contracted in the year has the disbursement made in the same year.

Almost 70% of the investments contracted in cooperation, in 2022, were made by large organizations. In investments made (Disbursed Projects), this percentage increased to almost 80%. The small ones, both in terms of contracted and realized investments, were around 5% of contracted and invested amounts.

In terms of investments made in academic centers, we found, as shown in the table below, the four centers that received investments, namely the Technological Center (CT), the Mathematical and Natural Sciences Center (CCMN), the Science and Health Center (CCS) and the Center of Letters and Arts (CLA).

Academics Centers	Sum of Amount Disbursed		%
Science and Health Center	R\$	R\$ 976.737,00	14,06%
Mathematical and Natural Sciences Center	R\$	R\$ 30.000,00	0,43%
Center of Letters and Arts	R\$	R\$ 10.932,00	0,16%
Technological Center	R\$	R\$ 5.927.362,42	85,35%
Total Geral	R\$	R\$ 6.945.031,42	100%

Below is a summary table of the cooperation between the Park's organizations.

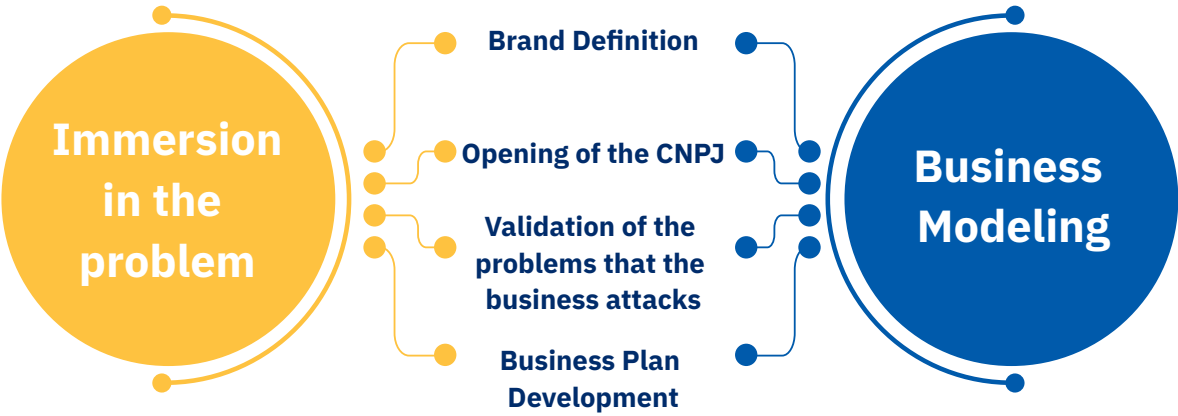
2021		2022
R\$ 2,77 millions	Total value of Contracted Projects	R\$ 4,48 millions
28	Number of Contracted Projects	29
R\$ 721 thousand	Total value of Projects Contracted in R&D	R\$ 1,50 millions
4	Number of Contracted Projects in R&D	6
R\$ 2,75 millions	Total value of Disbursed Projects	R\$ 6,94 millions
79	Number of Disbursed Projects	164
R\$ 4,2 thousand	Total Value of Projects Disbursed in R&D	R\$ 5,16 millions
1	Number of Projects Disbursed in R&D	21

Comparative table of cooperation o rganizations-UFRJ in 2021 and 2022

ENTREPRENEUR DOCTOR

The Doctor Entrepreneur Program of the UFRJ Technological Park is an action to support FAPERJ public notice nº 17/2019 – program “Doctor Entrepreneur: transforming knowledge in innovation

– 2019” which aims to promote the transformation of Research projects, Development and Innovation led by doctors residing in the State of Rio de Janeiro, in undertakings based on scientific/ technological knowledge. The Support Program Park offers support for the development of these new science-based businesses/ technology in two areas:



In 2021, the Park opened the second call to support candidates who were going to compete for Edict Faperj Nº 10/2021. In this edition, 15 letters of intent were granted to interested doctors to settle in the Park. Three candidates were approved in the Faperj selection process and to settled in 2022. Throughout the year, the two candidates had more than 30 hours of activities, both having opened their CNPJs. The first class of the program, which participated in the 2019,

had more than 48 hours of activities in 2022, with one of the participants starting her sales process.

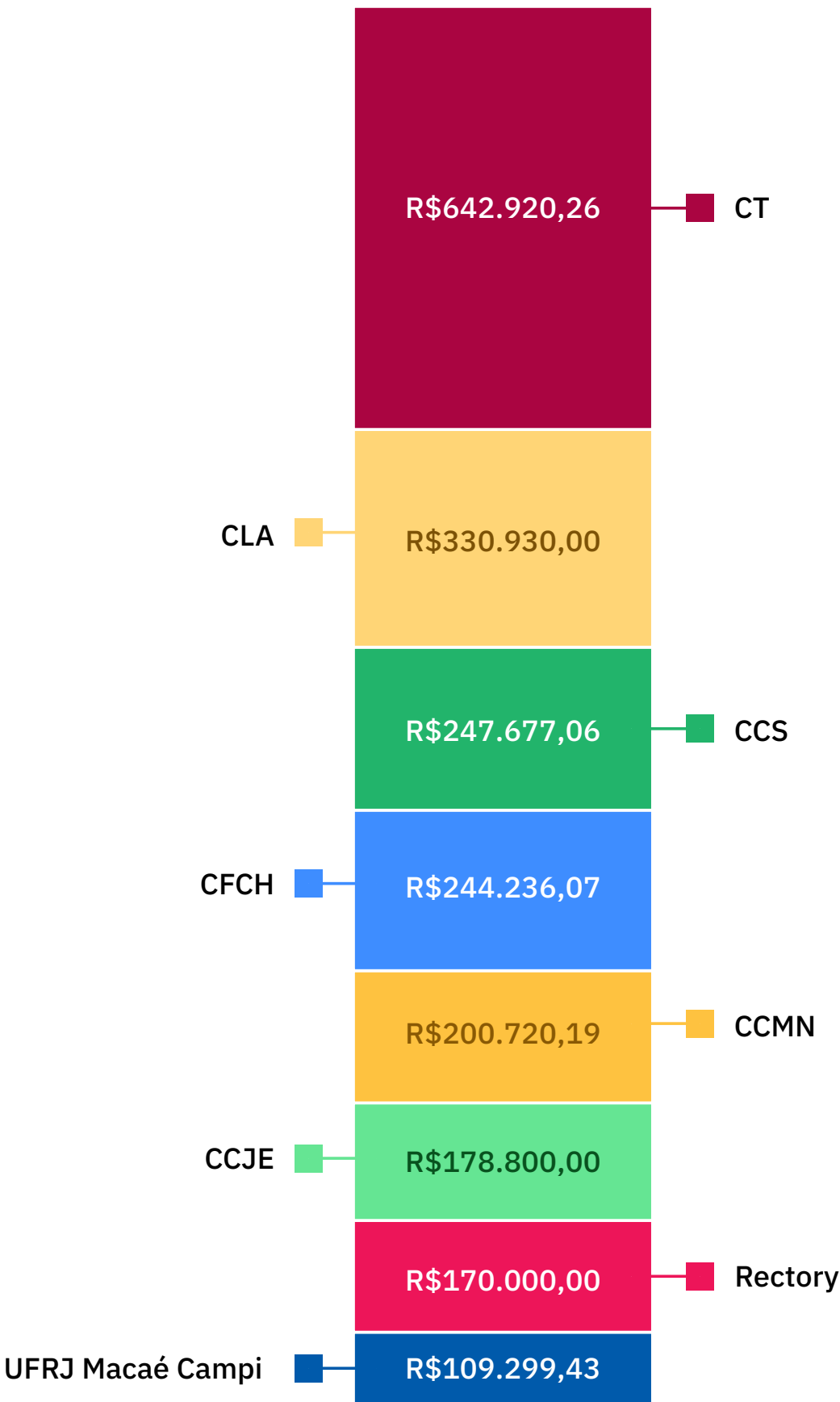
In 2023, the doctors from the Faperj public notice N° 10/2021 will continue to have the support of the UFRJ Science Park.

UFRJ SPECIAL PROJECTS PROGRAM

The program consists of supporting institutional initiatives at UFRJ, whose motto favors interdisciplinary approaches multidisciplinary teams and network actions, in favor of the advancement of knowledge in the most varied fields of action of the university in accordance with the [Resolution nº 48/2022](#).

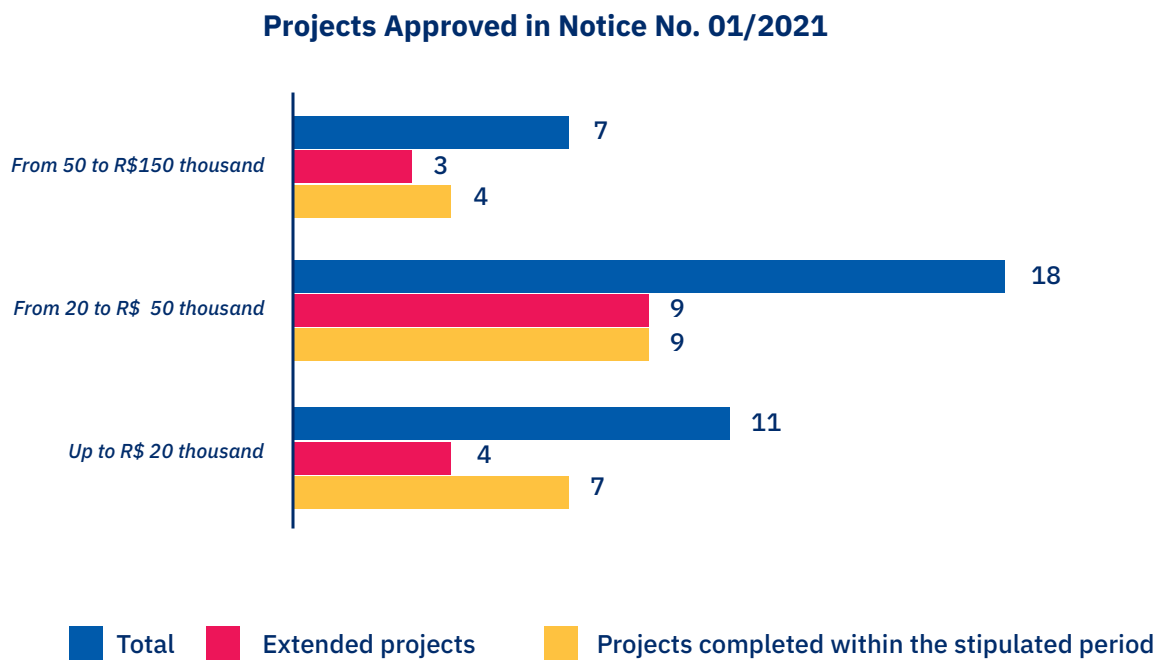
The resources that finance the program derive from the assignment of use of shared buildings and restaurant ¹⁶.

The first cycle of the program ran throughout 2021, with the application of resources in four of the Objectives of Sustainable Development – ODS, from the UN¹⁷. One hundred and ninety-one projects from various UFRJ units applied, 37 of which were selected: eleven projects up to R\$ 20 Millions, 19 with values between R\$ 20 Millions and R\$ 50 Millions and seven projects above R\$ 50 thousand. The amount destined for the first edition of the UFRJ Special Projects was R\$ 2.200,000.00, being used R\$ 2.124,583.01.



Value of projects approved by UFRJ Center in BIDDING No. 001 UFRJ Special Projects Program in 2021.

Throughout 2022, the Special Projects Permanent Monitoring Committee supervised the 37 selected projects and in one of them the total amount offered was reversed due to the death of the proposing student. Twenty projects were completed within the stipulated period and 16 were extended until December 2022, leaving only two of them to be completed in 2023.



16 To know more about, [click here](#).
17 They are: SDG 6: Drinking Water and Sanitation: Ensure the availability and sustainable management of water and sanitation for all; SDG 8: Decent Work and Economic Growth: Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all; SDG 10: Reducing Inequalities: Reduce inequality within and between countries; and SDG 11: Sustainable Cities and Communities - Make cities and human settlements inclusive, safe, resilient and sustainable.

The second cycle of the Program, Announcement No. 001 of the UFRJ Special Projects Program, was launched in the second half of 2022, in accordance with the resolution.

The financial resources available for this call, pursuant to paragraph 2 of art. 4 of Resolution No. 48/2022 of the Board of Directors of the UFRJ Science Park, add up to R\$ 1,350,000.00 and will be distributed in a single amount of up to R\$ 80,000.00 per selected project.

The application period closes on January 27, 2023 and our goal is to launch a new edition of the notice in the second half of 2023.

To know more about the current notice, [click here](#).

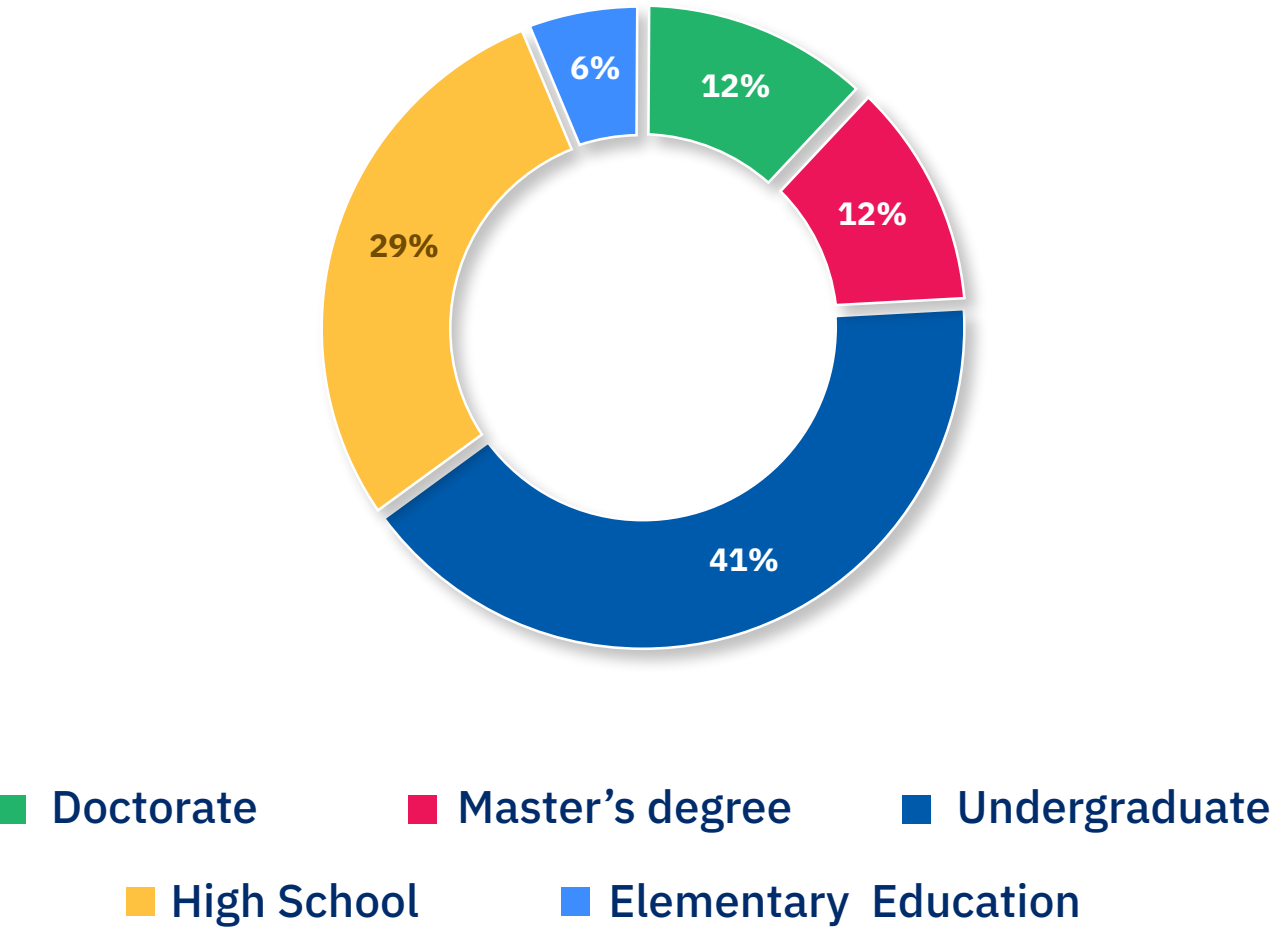
GENERATION OF JOBS IN THE PARK

In 2022, we had a total of 1,400¹⁸ professionals employed in the management of the Park¹⁹, in the resident organizations and in the installed laboratories.

19 Outsourced janitorial services are included in the bill.
18 We obtained the number of employees of the organizations: Ambev; Benthic; Bio Bureau; Clavis; Green Hat; Halliburton; LAMCE; Manserv; OceanPact; Pro-Ocean; NETWORK-TB; Senai Cetiqt; Tecnip-FMC; Superweighs; and park administration.

Name of the organization	Own Employees	Interns	Outsourceds	Total
Park Administration	69	4	21	94
Residents	971	122	218	1306
Total	1040	126	239	1400

67% of the Park's professional body – organizations, residents laboratories and Park administration²⁰ – are male and 33% are female.



Percentage of employees at the Park by academic education in 2022

The qualification of Park employees – organizations, laboratories residents and management of the Park²¹ – are mostly graduates of a percentage that revolves around 41%. 0 percentage of workers with master's and doctoral degrees is 24%.

INTERNSHIPS IN PARK ADMINISTRATION AND RESIDENTSS

The Park encourages the inclusion of UFRJ students in administration activities. Because it is an environment of innovation, we are a living laboratory of experimentation and rich learning for the training of students.

Furthermore, we also support the residents companies to insert interns in their activities. This pillar is also recognized in university-

20 Outsourced janitorial services are included in the bill.
21 The percentage of outsourced employees of the Park is not included in this account, since we do not have this data systematized.

enterprise cooperation. Practically all resident companies offer internship opportunities for UFRJ students.

The total number of jobs in the internship modality in the UFRJ Science Park in 2022, was 129²². 26% more than in 2021 (102²³).

	UFRJ	Other	Total
Administration of the Park	4	0	4
Residents	46	74	120
Laboratories	5	0	5
Total	55	74	129

Number of interns at the Park in 2022

22 We obtained the number of interns from the Administration of the Park and organizations: Ambev; Benthic; Bio Bureau; Clavis; Green Hat; Halliburton; LAMCE; Manserv; OceanPact; Pro-Oceano; RE- DE-TB; Senai Cetiqt; TecnipFMC; Superpesa.

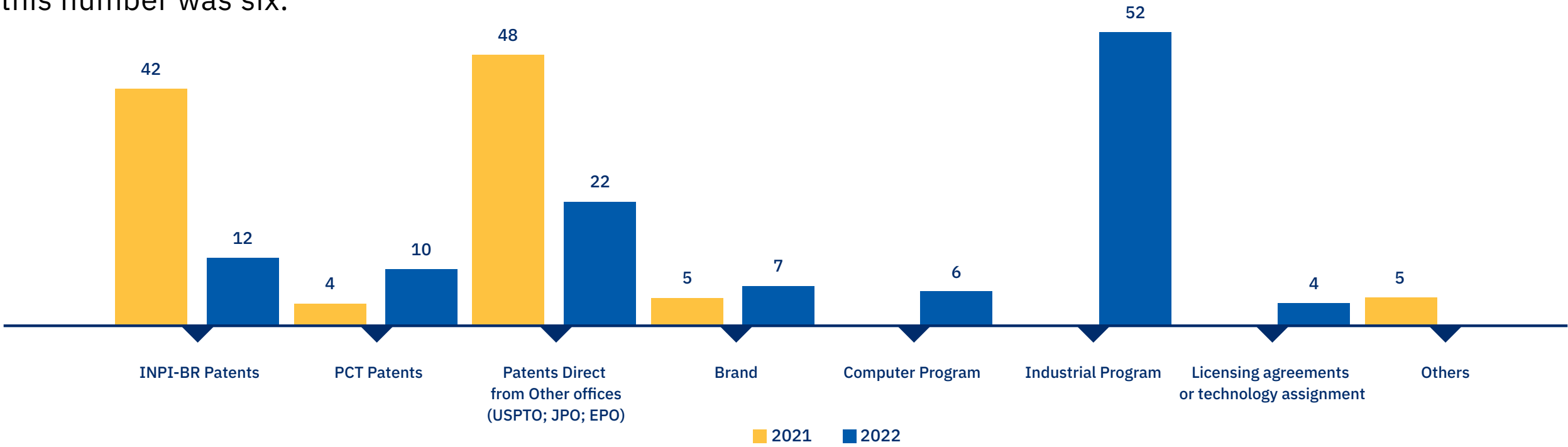
23 This number refers to the organizations: Ambev; Benthic; Clavis; Dell EMC; Halliburton; OceanPact; Petrec; Senai Cetiqt; TecnipFMC; Vallourec; WIKKI; and the the Administration of the Park

24 These datas refer to the following residents and associates: Ambev; Benthic; Bio Bureau; Clavis; Correios; Green Hat; Halliburton; IIPMO; Instituto Rugby para Todos; LAMCE; Manserv; Oce-anPact; Opens Labs SA; Pro-Oceano; REDE-TB; Senai Cetiqt; TecnipFMC; Superpesa.

25 This number refers to the organizations: Ambev; Benthic; Clavis; Dell EMC; Halliburton; OceanPact; Petrec; Senai Cetiqt; TecnipFMC; Vallourec; WIKKI.

INTELLECTUAL PROPERTY

In 2022²⁴, seven organizations requested forsome intellectual property title, while in 2021²⁵, this number was six.



Number of intellectual property title requests in 2021 and 2022

In 2022, 113 intellectual property titles were deposited, 9% more than in 2021.



Number of intellectual property titles requested by residents from 2017 to 2022

In accumulated terms, 482 titles of intellectual property have already been deposited due to research carried out at the UFRJ Sceince Park.

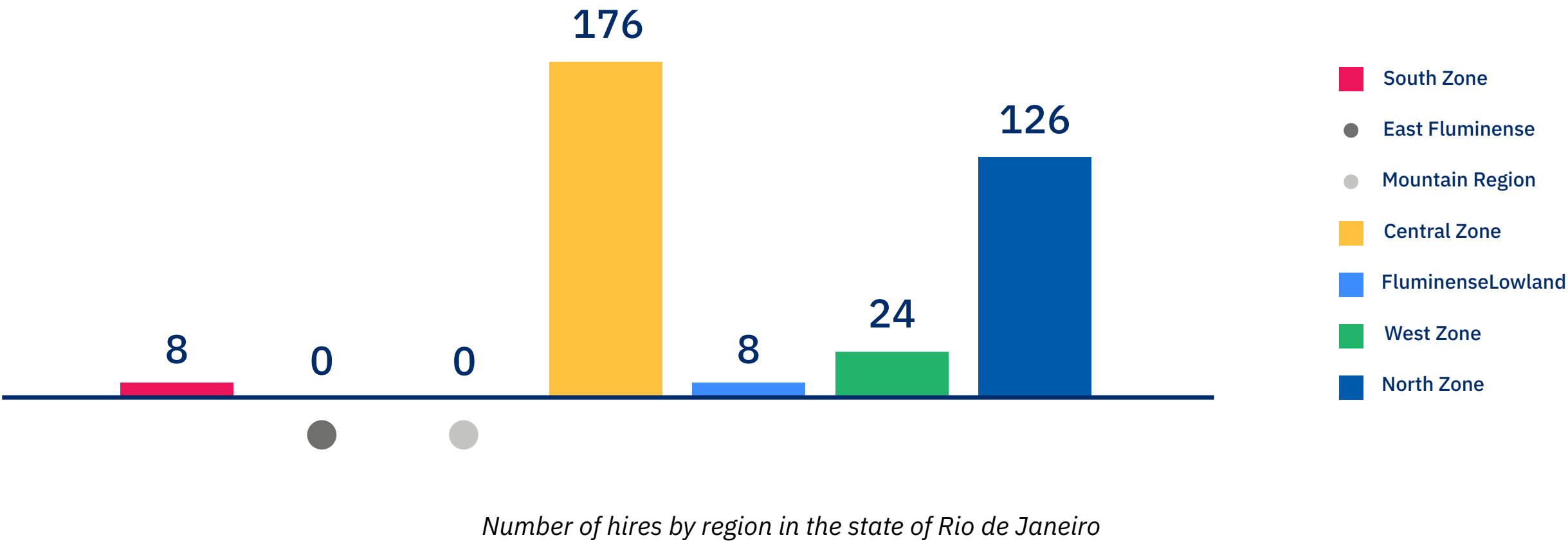
SUPPLIERSS

(GRI 102-9;102-10)

Our suppliers are selected observing the best public purchases practices, including Law 14,133 (Bids). All procedures (registration and verification) are carried out by the Coppetec Foundation, which manages the park's finances. With regard 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 quotation of at least three prices for each contracting and procurement and bidding procedures. In order to encourage local development, the Park seeks to disclose your purchase demands to local suppliers, so that they can participate in public bidding processes (GRI102-9).

Throughout 2022, 900 contracts were signed with suppliers and service providers for events, material for building maintenance, conversion of spaces and landscaping, office supplies, graphics services, consulting, licenses and software, waste collection service, communication, telephony, among others (GRI 102-9).

With regard to geographic aspects, it appears that 38% of suppliers reside in Rio de Janeiro:



And 6,7% of these suppliers are located in the neighborhoods: Cidade Universitária, Maré e Ilha do Governador. (GRI 102-10; 204-1).

CORPORATE SOCIAL RESPONSIBILITY

Another strategy we have adopted to diversify the contacts of the companies in the Park with the laboratories of UFRJ is the realization of the projects related to corporate social responsibility. In addition to this action, the Park and its resident and associated companies supported, in 2022, actions that benefited various audiences located in the state of Rio de Janeiro and Brazil. Are they:

Name of the action	Description of the action	Organizations and institutions involved	When it happened	Where it happened	impacted public
Maré’s Trans	Organization of lectures, sale of sweets for our employees and donations of clothes and Christmas products.	Ambev	Second Semester/2022	CIT	Trans Public - 50 people
Solidary Christmas	Christmas campaign directed for children in the communities where we operate.	FMC Technologies	November and december/2022	AMAVILA Residents Association	278 children from the AMAVILA Institution.
Young Apprentice Program - STEM	Program that enables the first job for young people directed to administrative and STEM areas	FMC Technologies	April and August/2022	FMC Technologies	5 young people (2 Logistic assistante e 3 Mechanical Technician)
Entrepreneurial Trail	The entrepreneurial trail is a Junior Achivement Global program, in partnership with IBP, whose objective is to awaken the entrepreneurial spirit of young people still of school age.	FMC Technologies	April, june and sptember/2022	Simultaneously remote	257 young people from different schools in Rio de Janeiro
Moving Images	Awaken students' encounter with art, developing their critical and creative capacities	Pro Oceano	2022	Movies of the Rio de Janeiro	Children and teenagers
Yellow September - suicide prevention month	Lecture about awareness of valuing and preventing life	SENAI - CETIQT	September/2022	Virtual and presential at the Barra Unit	Employees, scholar and interns
Your life has value - Yellow September	Conversation circle: awareness of the appreciation of life	SENAI - CETIQT	September/2022	Barra Unit and Park	Employees, scholar and interns
D-Day - Pink October	Medical care with guidance and care for women's health	SENAI - CETIQT	October/2022	Barra Unit and Park	Employees, scholar and interns
Blue November	Medical care with guidance and care for men's health	SENAI - CETIQT	November/2022	Barra Unit and Park	Employees, scholar and interns
Diversity and inclusion in companies	Lecture with the theme diversity and inclusion in companies	SENAI - CETIQT	Setembro/2022	Barra Unit and Park	Employees, scholar and interns
Project Rotating with caps	Collecting of bottle caps for the purchase of wheelchairs	SUPERPESA	Started in 2020	In all Superpesa's units	Employees
Rugby Paraisópolis	Sports, educational, psychosocial, social service, health and nutritional services	Instituto Rugby para todos	January to december	Paraisópolis, São Paulo	300 people - 07 to 35 years old
Rugby Rio de Janeiro	Sports, educational, psychosocial, social service, health and nutritional services	Instituto Rugby para todos	January to december	Santa Marta Slum - Botafogo, Rio de Janeiro	40 people – 07 to 16 years old
Digital Basic Basket	Distribution of 314 digital basic baskets, food card with R\$ 150.00, partnership with FIOCRUZ	Instituto Rugby para todos	June to december	Santa Marta Slum - Botafogo, Rio de Janeiro	1.200 residents
Instituto Rugby para Todos	Execution of its social, sports, educational and cultural activities	Instituto Rugby para todos	It has been happening for 18 years in SP and 10 in RJ	Rio de Janeiro e São Paulo	3 thousand people per year

INSTITUTIONAL REPRESENTATION

(GRI 102-13)

The UFRJ Science Park plays an important role in activities aimed at the scientific and socioeconomic development of the Rio de Janeiro and Brazil. Currently, we have a seat on the Competitiveness Business Council and on the Technology Council of the Federation of Industries of the State of Rio de Janeiro (FIRJAN). We also participate in the following networks: ICT-Company Interaction Committee of the National Association for Research and Development of Innovative Companies – ANPEI and Atlantic International Research Center – Air Centre. The UFRJ SciencePark is affiliated with the International Association of Science Parks and Areas of Innovation (IASP), National Association of Entities Promoting Innovative Enterprises (ANPROTEC) and National Association for Research and Development of Innovative Companies (ANPEI).

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

VISIBILITY

The UFRJ Technological Park is part of one of the largest ecosystems in the country. Recognized internally and externally, the PTEC-UFRJ was present in several events held throughout

the year, in addition to activities inside and outside the University. PTEC-UFRJ also expanded its activities in the digital world, achieving significant growth in social media platforms.

The innovations developed by the residents and the connection with the university strengthen the social and economic development of the country, generating interest not only in the UFRJ community and in the business environment, but also in the press, in opinion-forming groups and governments. The UFRJ Science Park uses several tools and communication strategies so that all informations reach the society.

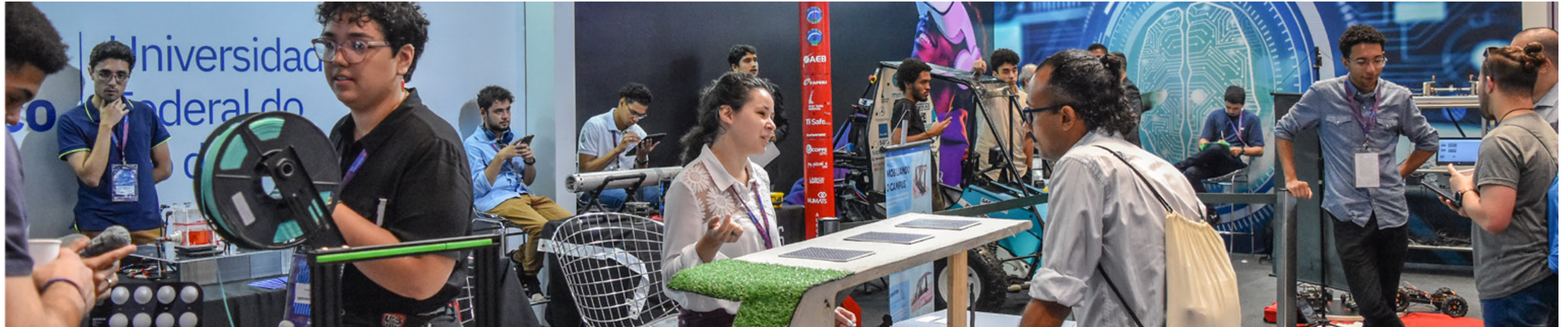
INSTITUTIONAL EVENTS AND ACTIVITIES

Throughout 2022, the Park participated in various events and institutional activities with themes aligned with its area of activity, in order to reinforcing its image both for the internal public and for the external public.

The highlights were: Anprotec 2022 Conference, Knowledge Festival UFRJ, Global Innovation Summit in Lisboa, Green Rio and Rio Innovation Week.

Neste último, o Parque contou com um estande expondo tecnologias oriundas da UFRJ e promoveu palestras. In the latter, the Park had a stand displaying technologies from UFRJ and promoted lectures. The event had the presence of Brazilian and international investors and buyers, with capacity to generate R\$ 1 billion in new business. The total public of the event during the 4 days was 125 thousand people.





Rio Innovation Week

The PTEC-UFRJ also carried out more than 18 activities, including lectures and workshops at Inovateca. Many of the activities had also broadcast live on our YouTube channel, reaching an even greater number of people.

SOCIALS MEDIAS

The UFRJ Science Park has a website and profiles on Facebook, LinkedIn, YouTube and Instagram. All these channels, via digital platforms, have the mission of expanding the internal and external communication network, bringing its own content, from its partners, residents and topics of interest to society. On all social media platforms, the Parque achieved growth in relevance and engagement.



Instagram e Facebook

Created in May 2019, PTEC_UFRJ's Instagram has grown significantly compared to previous years. Throughout the year there were several posts using all the formats available on the platform, investing mainly in videos. It was more than 440,000 people reached throughout the entire year. On Facebook, PTEC-UFRJ reached more than 170,000 people.



LinkedIn

The PTEC-UFRJ profile on LinkedIn has the objective to establish a relationship with the public of corporate profile. On the platform, the content worked focused on activities carried out at Inovateca, our programs and opportunities, actions and news from resident and associated companies. It was the platform with the highest growth rate compared to the previous year, reaching over 255,000 people.



YouTube

Main platform for broadcasting videos, the YouTube is also a source of communication with the Science Park's internal and external public. Resident interviews and dissemination of events and programs developed by the team were the main content produced and worked on. During 2020, there were 1,082 likes and a reach of 43,900 people. In 2021, the number of likes was 1159, reaching 36,900 people, with a significant increase in the number of followers on the channel.



Range 2020 34.503
Range 2021 54.134
Range 2022 441.666



Range 2020 145.279
Range 2021 119.680
Range 2022 178.998



Range 2020 7.865
Range 2021 38.290
Range 2022 255.665



Likes 2020 1.082
Likes 2021 1.159
Likes 2022 8.359



→ OBS:
The channel of the UFRJ Inova Parque reached 36,900 people in 2021

INSTITUTIONAL VISITS

Carrying out institutional visits to the external public and the academic community is also an activity realized by the team. The Program visits includes project presentation and visitation to the UFRJ laboratories installed at the PTEC-UFRJ. The action aims to bring the PTEC-UFRJ closer to the interested external public and the UFRJ community. In 2022 visits resumed after a break due to the worldwide Covid-19 Pandemic. The PTEC-UFRJ received groups of university students, government representatives, delegations of embassies and society in general.

UFRJ SCIENCE PARK PORTAL

The UFRJ Science Park is regularly updated with all information regarding our programs, opportunities, notices, events and news. In 2022, we had over 30,000 hits and over 79,000 page views.

In 2021 we had 26,831 hits and 58,559 page views.





Somos um ambiente de conexões



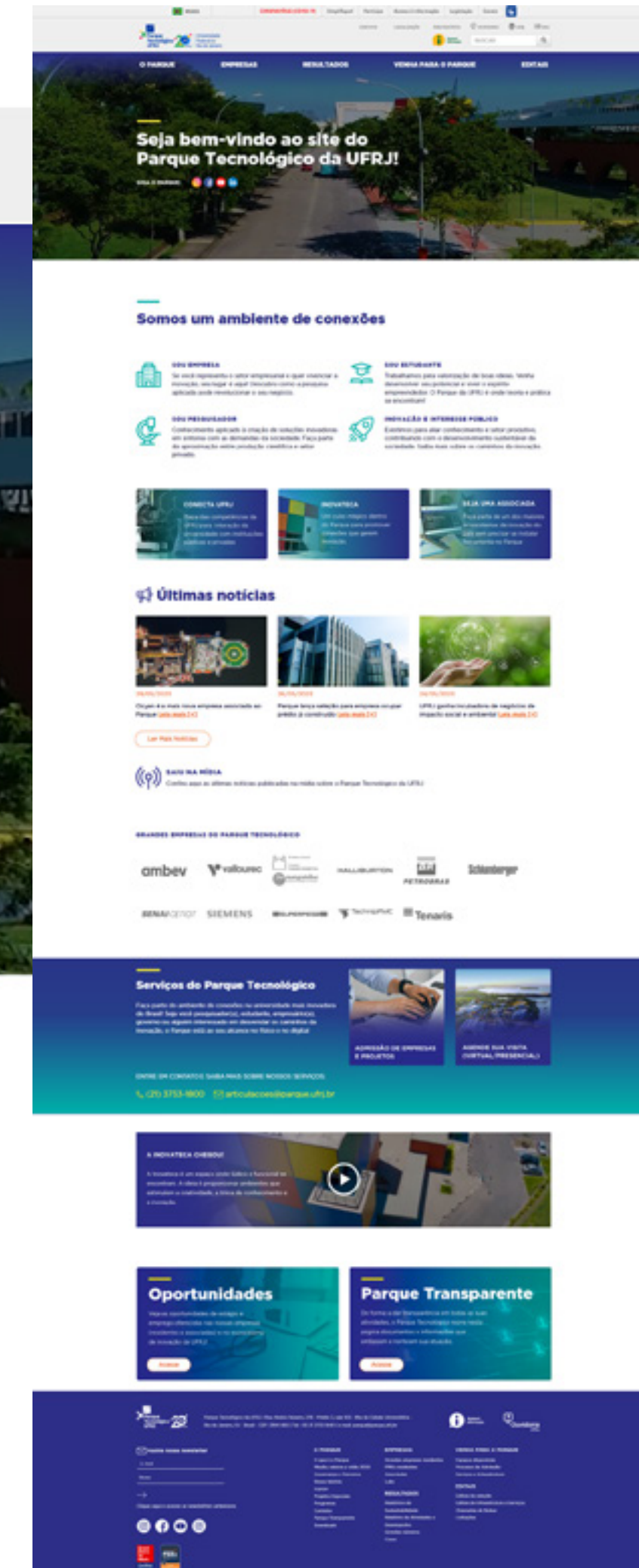
SOU EMPRESA

Se você representa o setor empresarial e quer vivenciar a inovação, seu lugar é aqui! Descubra como a pesquisa aplicada pode revolucionar o seu negócio.



SOU ESTUDANTE

Trabalhamos pela valorização de boas ideias. Venha desenvolver seu potencial e viver o espírito empreendedor. O Parque da UFRJ é onde teoria e prática se encontram!



4

Park and the future

When talking about the future, we always run a great risk, after all, history shows that it is prodigal in contradicting any predictions. Therefore, we will try to contain our optimism and report what, today, we consider with a high possibility of being implemented over the next few months.

NEW FACILITIES

We have been working to attract new institutions to PTEC-UFRJ and we hope to be able to announce in the coming months the implementation of new research facilities.



Center of Excellence in Fertilizers and Plant Nutrition, which will aim to expand the investments in RD&I and promoting the development of the fertilizer and plant nutrition chain in Brazil;



Agribusiness Innovation Pole of the State of Rio de Janeiro;



Pilot plant for the development of the biotechnology products. In Brazil, scaling is one of the biggest challenges for the application of bioprocesses in the industry. However, the Bioinovar Laboratory, coordinated by Prof. Alane Beatriz Vermelho, through a Shell Brazil project, is making possible to build

a pilot plant for scaling and chemical characterization of biomolecules. This plant will be built inside the UFRJ Science Park to allow a greater interaction with the lines of innovation, entrepreneurship and academy-business interaction. The platform will be interactive and will offer escalation services, characterization of molecules and development of bioprocess projects for companies and startups in the biotechnology sector. This one pioneering and highly innovative project is a response to the growing demand for sustainable processes around the world, motivated by the impact of climate change and the accumulation of toxic waste on the planet.



Center for Technological Innovation in Health, in partnership with FIOCRUZ, will bring to the Park a pilot plant for organic synthesis, pharmaceutical formulations using nanotechnology and other possibilities for technological advances relevant in the area. This project also includes the development of therapeutic proteins, drug-conjugated proteins, third-generation vaccines and advanced therapies, which aim to contribute significantly to the advancement of medical science. The main objective of this initiative

will be the innovative promotion in health to generate solutions therapies that can be used to combat serious and complex diseases; and

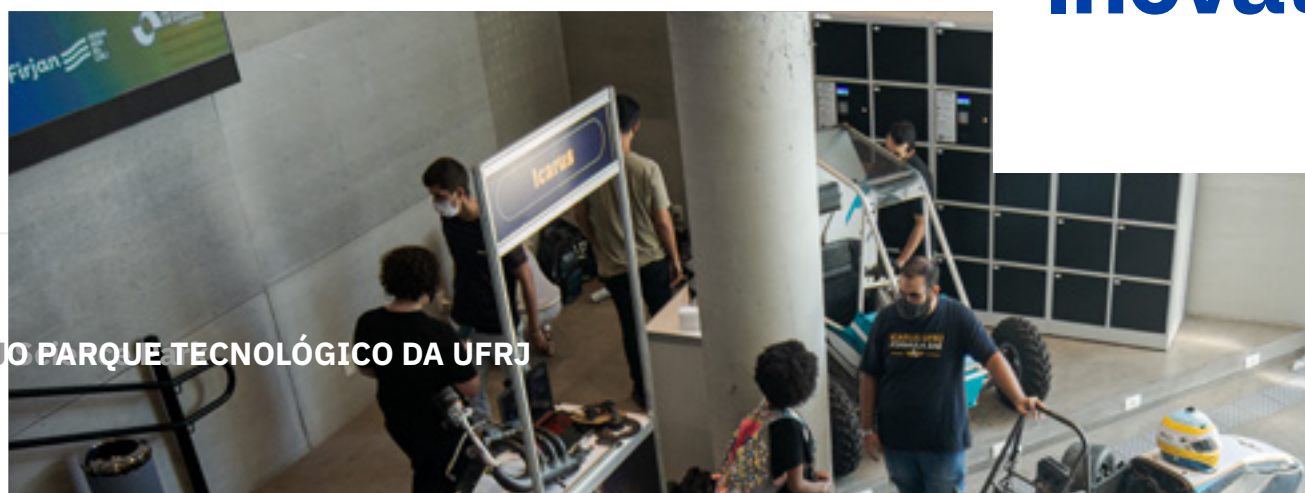


GALP Laboratory.

INOVATECA

During the Inovateca's first year of operation, several valuable lessons were learned, which will serve as a basis for future adjustments in the space use regulation. These adjustments will allow greater flexibility in the occupation of space, especially for UFRJ's institutional initiatives. With these changes, it is expected to create an even more favorable environment for innovation and entrepreneurship, strengthening the presence of the university in the technological scene.





events

OUTHERS NEWS



Wi-Fi in common areas:

We hope to make a dream come true next year that we've been cherishing for a long time: offering internet connection in all public areas of PTEC-UFRJ. We believe that this will mark a new phase in the appropriation of the open spaces of the Park by the Social Body of UFRJ.



Business Incubator of Social and Environmental Impact:

In a partnership with the Faculty of Administration and Accounting Sciences (FACC), PTEC-UFRJ will support the implementation of a new incubator that will join UFRJ's innovation ecosystem. Being involved in this project is a reason for great satisfaction, as we believe it will help UFRJ to fulfill its social role and will work as a milestone for reinforcing social innovation in the ecosystem represented by the innovation mat model.

Activities performed by the Park Management



ACTIVITIES PERFORMED BY THE LEGAL ADVICE (ASJUR)

The Legal Advice (ASJUR) is responsible for legal actions, which makes the operation of the Park project as a whole possible, in accordance with the final objectives of the PTEC-UFRJ and within the scope of the UFRJ/COPPETEC Technical Cooperation Agreement.

It is composed of two lawyers who advise the Executive Board and the various managements, within the scope of the Project Science Park, in the fields of Administrative Law, Civil, Procedural and Business. The Advisory works in the area advisory, contentious (demands of interest to COPPETEC) and advocacy, carrying out:

a) legal modeling to attract companies to the innovation environment;

b) legal representation in legal proceedings related to the PTEC-UFRJ, in which COPPETEC is a part or an interested part;

c) legal sponsorship and legal support in COPPETEC matters related to PTEC-UFRJ;

d) legal advice, relevant to the project, to the Executive Director of PTEC-UFRJ;

e) normative and legal instruments (ordinances, regulations, contracts, etc.) that regulate the relationships of the projects;

f) advising management on matters of legal content and on legal risk, when preparing public notices and other legal instruments of the respective programs;

g) instruction of administrative processes related to the Project;

h) support in the execution of contracts, agreements and their consecrations;

i) interface with contractual demands installed companies, meeting the various requests from the internal public of the Project;

j) preparation of contracts, additives, agreements and selection notices;

k) legal feasibility analysis of research and development projects;

l) studies and updates of legal matters of interest to the PTEC-UFRJ's project;

m) support in the instruction of administrative processes related to the Executive Board's decision-making acts;

n) advising management in the interpretation of normative acts, acts edited by the public authorities, contracts and instruments entered into by the Public Administration;

o) support in deciding on appropriate measures in relation to contracts, covenants, agreements, partnerships, regulations and the issuing of legal norms; and

p) compliance of management acts with UFRJ's technical-legal guidelines.

Legal assistance indirectly contributed to the final objectives of the Science Park, namely: I, II, III and XII. The activities that contributed to this were:

a) support to managers in legal matters, related to attracting organizations to UFRJ's innovation environment;

b) legal support within the scope of the Associated Project;

c) legal support for the selection of companies interested in exploring commercial activity at the Center for Entrepreneurship and Innovation and, jointly, technically cooperating with UFRJ;

d) elaboration of a legal model that attracts companies for temporary occupation of land by the containers at PTEC-UFRJ;

e) legal support for activities related to the Doctor-Entrepreneur Program;

f) legal support for activities related to the project, called Special Projects;

g) elaboration and updating of notices and contracts referring to the installation of companies in the PTEC-UFRJ;

h) judicial or arbitration representation, related to COPPETEC's performance within the scope of the UFRJ/COPPETEC Technical Cooperation Agreement;

i) participation in the Innovation Committee, contributing to the elaboration of norms that regulate matters of interest to UFRJ and third parties; and

j) participation in a working group regarding the implementation of the Center of Excellence in Fertilizers at PTEC-UFRJ.

I – Attract organizations that are focused on research and development activities and innovation (RD&I) in all areas of knowledge that are of interest to UFRJ;

II – Encourage the creation and installation of technology-based companies in the different UFRJ's Campuses and in the places where the UFRJ's Campuses are established;

III – Stimulate technical and scientific cooperation between instances of UFRJ and entities and companies that are part of PTEC-UFRJ, as agreed in the respective legal instruments; and

XII – Support partnerships between UFRJ and public and private organizations involved in research, technological innovation and initiatives aimed at social technology.

Below is the table of performance indicators for the Legal Department in 2022, as well as the targets for 2023²⁶:

PERFORMANCE INDICATORS - ASJUR							
ITEM	DESCRIPTION OF THE INDICATOR	2019	2020	2021	2022		2023
					Planned	Realized	GOAL
1	Response time						
1.1	Legal opinion on the interpretation of a normative actnew	new	new	new	5 days	new	5 days
1.2	Preparation of parliamentary amendments	new	new	new	15 days	4	15 days
1.3	Elaboration of notices to attract companies	new	4	8	45 days	34	45 days
1.4	Preparation of contracts and related (amendments, etc.)	new	25	19	5 days	5	5 days
1.5	Legal advice to managers	new	4	88	2 days	4	2 days
1.6	Advice on management acts	new	new	new	5 days	8	5 days
1.7	Support for UFRJ in Legal Proceedings				5 days	4	5 days

The services offered by the Quality Management Advisory are:

- *Survey and modeling of AS-IS processes (current situation);*
- *Analysis of the problems (using quality management techniques);*
- *Proposal for improvements and redesign of TO BE processes (future situation);*
- *Implementation of proposals and monitoring of improvements;*
- *Standardization of routines;*
- *Monitoring of process performance.*

It should be noted that the services are offered to the Park's internal customers - that is, the others support sectors.



QUALITY MANAGEMENT ADVISORY

The main objective of the Quality Management Advice is to make the Technological Park's internal processes more efficient and effective, allowing the Park to reach its final objectives.

This objective can be broken down into three specific objectives: (1) identify and promote improvements to internal processes; (2) standardize the new work procedures; (3) monitor the performance of internal processes.

To execute these objectives, the Quality Management Advice applies practices based on BPM (Business Process Management) methodology, including the implementation of process management and the creation of a Process Office.

²⁶ In items 1.5 and 1.6 of the table, we observed that the average was higher than the goal, due to the greater time devoted to more complex matters, without causing damage to the respective activities.

Activities developed during 2022:

The Quality Advisory directed its efforts towards making improvements in strategic macro processes for the Science Park. Its focus was based on transversal processes that had contact with resident and associated companies, seeking to speed up procedures, while still guaranteeing the quality of the services offered.

To this end, the main projects carried out in 2022 were related to the Entry of Companies in Shared Buildings, Exit of Land Companies and Entry of Associated Companies.

For the Entry of Companies in Shared Buildings, during the first semester of 2022, activities were carried out to survey, model, analyze, improve, redesign and testing the new process. The project relied on interdepartmental contributions, going since the Joint Management (GAC) to the Administration and Finance Management (GAFIN). In the end, the tests showed excellent results in reducing the entry time of a new company.

The Company Exit process was also on the agenda of Quality Advisory projects for the second half of 2022.

The main objectives were to identify points of improvement and reduce the execution time of the process, making it faster. The project, today, is in the test phase to validate the solutions found and lessons learned.

The Associated Companies Entry process helped in the implementation of the Definitive Association modality. For this, the process passed by an extensive collaborative review, aiming to make it more compatible with the needs of the new companies. The process is successfully implemented.

In addition, the Quality Advisory also carried out several parallel projects aimed at the restructuring of internal processes and support for automation. Among examples, improvements in Purchasing, Project Planning and Contract Management processes. The results brought a greater level of maturity to the Park, with periodic reviews to ensure its effectiveness and efficiency.

To execute these objectives, the Quality Management Advice applies practices based on BPM (Business Process Management) methodology, including the implementation of process management and the creation of a Process Office.

In relation to the performance indicators of the quality advisory, in the diagnosis carried out in 2021, based on the design of the Value Chain, the goal for 2022 of improvement was established in the final process Entry of Companies in shared buildings.

Below is the table of Performance Indicators of the Quality Advisory in 2022, as well as the targets for 2023:

Indicator: Quantity of Processes Improved 2022					
Type of process	Description	Weight	Quantities Realized	Weight x realized	redesigned processes
Large	Complex and transversal processes that interact with different managements	5	4	20	Entry of companies, Exit of companies, Associates, Purchases
Medium	Processes with a responsible management, which communicate with another management OR with up to 20 activities	3	1	3	Management of projects
Small	Processes with less than ten activities and centered on a single management	2	2	4	Management of weekly meetings, Management of the Board of Directors
Total Scores			Goal	Finalizeds	percentage achieved
			27	27	100,00%

Indicator: Goals 2023				
Type of process	Description	Weight	Goal	Processes to be improved
Large	Complex and transversal processes that interact with different managements	5	8	Budget Management, Strategic Performance Indicators, Operational Performance Indicators, Review of Reports, Entry of companies in Land - Transitory Spaces, Exit of companies from Land, Warehouse, Portfolio of Projects
Medium	Processes with a responsible management, which communicate with another management OR with up to 20 activities	3	2	Emergency purchases, Contracts
Small	Processes with less than ten activities and centered on a single management	2	2	Directory (GAC), Asset Management
		Goal		Percentage achieved
		Total Scores	50	0,00%



COORDINATION OF PEOPLE MANAGEMENT (RH)

The Coordination of People Management of the UFRJ Science Park has a team composed of two people: a coordinator and an analyst. Eight macrofields compose it. Are they:

- (i) Recruitment and selection: receipt and evaluation of resumes for recruitment;
- (ii) Personnel department: hiring, management and control of time attendance, vacation control, control of

overtime, follow-up on licenses, reporting accidents at work, granting benefits, dismissal, monitoring the entire hiring process with the Coppetec Foundation;

- (iii) Training and Development: mapping the needs and skills to be worked on, putting together a plan of employee development, managing weekly training (including elaboration together with collaborators of their training);
- (iv) Positions and Salaries: create the salary position policy, analyze and adapt the position

to the functions and salary, compare our policy with that practiced in the market, create the employee performance evaluation, execute the performance evaluation;

- (v) Benefits: managing the benefits package (bonuses and gratifications, transportation vouchers, meal/food vouchers, health plan, etc.), increasing the benefits package for the Park;
- (vi) Event and Confraternization: organize the integration fraternizations of the team;
- (vii) Internal Communication: improve and expand transparency and internal communication;
- (viii) Organizational climate: map and control the organizational climate.

Some of these fields are more mature than others in terms of action.

Throughout 2022, the activities developed were:

- *Personnel Department, Recruitment and Selection: 41 vacancies were opened throughout 2022. We received 715 CVs with an average of 17 job resumes. Of the vacancies opened in 2022, only*

six were hired for the year 2023 (all vacancies were opened in December 2022). The average, in 2022, of all hiring procedures was 29 days;

- *Training and Development:* throughout 2022, 37 Internal trainings were carried out, one Excel course, two paid postgraduate courses and three licenses graduates. A total of 3,103 hours were distributed between internal training, postgraduate leave and courses paid by the Park;
- *Jobs and Salaries:* we started the study for the creation of the Park Jobs and Salaries Plan;
- *Benefits:* in addition to managing the Park's benefits portfolio (Health, Dental, VT, VR or VA), in July 2022 we launched *Respira!* The program consists of a series of activities designed especially for well-being and health park employees. The first edition included vaccination, measurement of vital signs, postural and ergonomic assessment, orienteering race, bicycle class, yoga, massage and meditation. Three editions were held by the end of the year. In November 2022, we also made the COPPETEC Foundation's "Fit" and "Conscious Psychology" programs available to our employees. The first aims at the service and nutritional follow-up and the second psychological care. At the end of 2022, we reward our employees with a Gift Card;
- *Event and Confraternizations:* throughout 2022, some team integration events were realized: birthdays of the month,

Women's Day, Easter, Mother's Day, Arraiá do Parque, Father's Day, Children's Day, in addition to our traditional end of year party;

- *Internal Communication:* we created, with the Communication and Press Management, the WhatsApp group "Park's Team", to improve and expand transparency and internal;
- *Organizational climate:* we carried out the Organizational Climate survey carried out by Administration Institute Foundation-FIA and the Great Place to Work Certification Journey, where the importance of a frequent feedback policy was verified, proportional to happiness at work and confidence in relation to the institution. In December 2022, we also carried out an internal survey to map and control the Park's organizational climate, which gave us many inputs to work on throughout 2023.

Below is the table of Performance Indicators for the Coordination of People Management²⁷ in 2022, as well as the targets for 2023:

²⁷ **(GRI 102-48)** In 2022, we changed the accounting methodology for the data that respond to the indicators of the Park's Coordination of People Management. It is therefore not possible to compare the data available here with that of the 2020/2021 report. As a result, we carried out a retroactive exercise to 2019 for comparison.

ITEM	Description of the performance indicator			2019		2020		2021		2022		Goals 2022	Goals 2022
1	Gender	In any position	Male	22	43%	21	44%	23	46%	33	45%	No gender should represent +60%	No gender should represent +60%
			Female	29	57%	27	56%	27	54%	40	55%		
			Total	51		48		50		73			
	Growth of the team	In any position	Male	-1	-5%	2	10%	10	43%	There is no team growth target	There is no team growth target
			Female	...	...	-2	-7%	0	0%	13	48%
			Total	...	...	-3	-6%	2	4%	23	46%
2	Yearly Turnover		Male	2,27%		11,90%		0,00%		15,15%		43%	43%
			Female	10,34%		3,70%		12,96%		23,75%			
			Total	6,86%		7,29%		7,00%		19,86%			
	Dismissal turnover rate	consensual resignation	Male	0,00%		4,76%		0,00%		0,00%		10%	10%
			Female	10,34%		0,00%		11,11%		11,11%			
			Total	5,88%		2,08%		6,00%		6,00%			
		Resignations without just cause	Male	4,55%		2,38%		0,00%		0,00%		10%	10%
			Female	3,45%		5,56%		7,41%		7,41%			
			Total	1,96%		4,17%		4,00%		4,00%			

3	Absenteeism (unplanned absence)		...	3,99%	4,65%	2,06%	5%	5%
4	Recruitment and selection	Utilization rate (% of people who entered and stayed for more than 90 days)	100%	71%	100%	66%	70%	70%
		Average time for recruitment and selection (in days)	...	45	19	22	30	30
		% average time taken to hire versus target average time	...	55%	23%	27%	50%	50%
		Rate of vacancies filled within the deadline (% of vacancies filled within the deadline)	...	100%	100%	86%	70%	70%
5	Trainings	Hours	Total	1,363	2.959	7.724	2.161	3.802
			Study paid license	970	210	512		
			Qualification/ Contracted training	136	1.005	6.156		
			Internal training	257	1.744	1.056		
		The average number of hours per employee	Total	27	57	136	42	68
			Study paid license	323	210	256		
			Qualification/ Contracted training	68	50	108		
			Internal training	5	34	22		



COORDINATION OF INFORMATION TECHNOLOGY AND SECURITY (TSI)

The Coordination of information, technology and security participates in the day-to-day providing efficient and secure management of information, supporting the decisions of the Science Park.

The services offered by the Information Technology and Security area can be divided into three areas with the following activities:



Development of systems

- Viability study;
- Analysis;
- Project;
- Implementation;
- Simulacio;
- Implantation;
- Maintenance;
- Training;
- Support.



Infrastructure

- Installation and repair of network points and structured cabling;
- Installation, configuration and repair of IP telephony points;
- Installation and repair of CCTV system;
- Network system operation and maintenance WiFi;
- Server configuration and maintenance.



Support

- Local and remote management support;
- Preventive maintenance;
- Trainings;
- Specification and purchase of equipment;
- Operation of audiovisual equipment;
- Realization of streamings.

Activities developed throughout 2022

Throughout the year, there was a consolidation of the changes made in the previous year, where we sought to improve the teams through training, bringing new software and hardware solutions and systems development.

Among the most outstanding works, we can mention:

- *Updates of equipments*

Throughout the year, we concluded the upgrades of equipment for remote and on-site employees, allowing for greater work efficiency.

- *Migration of servers to the cloud*

To provide greater reliability in the web services provided by the park, we transferred our servers to the cloud. This change allowed a reduction in the costs of local maintenance of the equipment and in the consumption of electric energy.

- *Optical Fiber Infrastructure*

In preparation for the services of updating the CCTV infrastructure and installing WiFi in the urban environment, we repaired the ducts, installed new optical fibers and new external boxes on the poles that will allow, after the installation of the new equipment, greater reliability in the network.

- *Development of the Integrated Management System (SIG)*

Working with the Quality Management Advice, using agile methods in the development, we created a unified environment where the purchase request, quotation and purchase order modules are located. This environment aims to centralize access to the Science Park's management tools by improving access to management tools and information.

- *Installation of internet and CCTV in the rectory building*

With the occupation, by the rectory, of the building that was used by Dell, we were responsible for installing and configuring the CCTV systems, network points in the workstations, a Wi-Fi and internet system in the building.

- *Implementation of the Help Desk System*

With the increase in demand for services provided by support team, we migrated our platform of Help Desk system in order to gain agility and increase our service channels, seeking a decrease in the waiting time for the solution requests.

- *Training for qualification of warehouse and purchasing systems*

Throughout 2022, the T.S.I was responsible for training employees in the various corporate software for use by PTEC-UFRJ. Remote and in-person training was realized, allowing employees to carry out their activities more agility and efficiency. We highlight the Purchasing / Warehouse integration training, after implementation of changes suggested by users and a training presentation and operation of the our new Help Desk.

- *Hybrid Meeting Rooms*

The diversification of the work environment, moving from purely physical to one with the need for both remote and partially remote meetings. To help our companies and internal collaborators, we create meeting rooms prepared for hybrid meetings, with appropriate equipment.

- *Operation of Inovateca*

The team operates the audiovisual equipment, being responsible for the actions during the presentations with the communication team and performs live streaming to the Facebook and Youtube platforms.

- *Development of the Associated Companies system*

With companies becoming less and less dependent on physical spaces, we have developed a solution that democratizes and allows any company located in Brazil to join the Park, without the need to establish itself physically.

Below, the table of Performance Indicators for the Coordination of information, technology and security for 2022, as well as the targets for 2023:

ITEM	DESCRIPTION OF THE INDICATOR	2019	2020	2021	2022	2023
1	Support		Planned	Realized	Goal	
1.1	Attendances performeds	933	422	538	650	841
1.2	Initial response time (average)	00:32:00	00:08:00	00:08:37	00:09:00	00:08:28
1.3	Resolution Rate of New Tickets	New	New	97%	99%	98%
2	Development					Discontinued
2.1	Average of Burnup	New	New	8	8	81
2.2	Average of Burndown	New	New	7	8	74
2.3	Backlogs not completed at the end of the sprint	New	New	4	6	6
2.4	Bugs found	New	New	1	2	2



ACTIVITIES PERFORMED BY THE
MANAGEMENT OF ADMINISTRATION
AND FINANCE (GAFIN)

The Management of Administration and Finance - GAFIN is responsible for preparing management reports, financial and budget planning prepared with scheduled planning, monitoring of monthly budget execution, cash flow (accounts payable and receivable), procedures and internal controls, among other administration and finance actions. It is also responsible for managing purchases and assets, managing contracts with resident companies and suppliers, managing agreements signed with promotion and management of UFRJ’s special projects.

The team is structured as follows: a manager, an administrative and financial assistant, a bidding and contract assistant and two purchasing assistants.

Budget planning:

The budget planning and finance area, in addition to preparing and monitoring the Project's annual budget, is responsible for monitoring finances - financial updates and projections, control of receipts and payments, control of defaulters, charge of service fees and apportionment of consumption of energy and telephony of the resident companies, and cash flow. In the last years, a new cash flow and

budget control model was implemented, as well as the following activities were realized:

48	bank reconciliations;
84	analysis of Project Monitoring Reports - RAP;
444	issuance and sending of Service Fee and Assignment of Use slips to resident companies;
168	Electricity and telephone charges;
44	per diem requests to employees who traveled to represent PTEC-UFRJ;
11	supply requests to Coppetec Foundation;
11	rendering of accounts for supplies to the Coppetec Foundation;

983	payment requests;
196	employee reimbursement requests;
7	transfers between projects;

In addition to the activities described above, GAFIN participated in the preparation of the 2020/2021 Sustainability Report and gave support to the Dean of Graduate Studies and Research - PR2 in the development of the MAI DAI UFRJ Program.

Management of UFRJ's special projects:

In 2022, the management of the UFRJ's Special Projects Program started to be performed by GAFIN, which is responsible for act as secretary to the Permanent Monitoring Committee, together with the direction of PTEC-UFRJ. Altogether were 136 monitoring reports of ongoing projects were analyzed, in addition to support in the preparation of the public notice for the second edition of the program.

Purchasing and contracting:

In the purchasing and contracting sector, the following activities were carried out to serve the PTEC-UFRJ Project and Biotechnology Pole:

235	purchase orders/services;
3	public selections (bids);
30	service contracts and acquisitions;
10	additive terms;
2	contract terminations.

In addition, it monitored the execution of specialized consulting services for the reformulation of the PTEC-UFRJ's Sustainability Report, whose scope includes a critical reading of the current version, materiality process and information architecture for adapting the report to the website. Services are ongoing and expected to end on January 20, 2023.

Below is the table of GAFIN Performance Indicators in 2022, as well as the targets for 2023:

PERFORMANCE INDICATORS: GAFIN									
ITEM	DESCRIPTION OF THE PERFORMANCE INDICATOR	2019	2020	2021	2022	Targets 2022	% Executed Target 2022/Preview Target 2022		Preview Target 2023
1	FINANCIAL								
1.1	Default Rate (residents)	14%	18%	0%	11%	Keep default rate at 10%	110%	↓	Reduce the default rate to 2%, including all ticket types
1.2	Time and quality of reports								
1.2.1	Cash flow	Report available in the 1st week after the closure of Rap	Report available in the 1st week after the closure of Rap	Report available in the 2nd week after the closure of Rap	Report available in the 2nd week after the closure of Rap	Make the report available in the 1st week after the closing of the RAPS	200%	↓	Make the report available in the 1st week after the closing of the RAPS
1.2.2	Budget control	Report available monthly	Report available monthly	Report available every six months	Report available quarterly	Make the report available quarterly to management	100%	↑	Make the report available quarterly to management
1.2.3	Performance/ Sustainability Report	Report published on 04/2019	Report published on 03/2020	Report published on 04/2021	Report published on 05/2022	Publish the performance report on the website in March/2022	167%	↓	Publish the performance report on the website in april/2023
2	Purchases								
2.1	Total number of requests	110	92	129	235	Reduce spot purchases by 80% and increase, in the same proportion, short- and long-term hiring	228%	↓	Reduce by at least 30% the number of spot purchases
2.2	Number of canceled requests	9	11	10	15	Keep the number of canceled requests at 10	150%	↓	Limit or reduce errors in requests (materials and services) in up to 5% of the total requests received
2.3	Average time of general service (days)	16	23	20	10	Reduce overall lead time to 2 weeks (10 working days)	100%	↑	Reduce by at least 20% the overall service time.

2.4	Delivery time (supplier) (days)	1	2	3	1	Keep supplier delivery time within 2 working days	50%	↑	Keep supplier delivery time within 2 working days
3	SHORT TERM/LONG TERM CONTRACTS								
3.1	number of requests (short and long term)	32	15	39	33	Increase short- and long-term hiring by 80%	47%	↓	Achieve 40% of contracts categorized as short term and 60% as long term
3.2	Number of canceled requests (short and long term)	5	4	5	2	Reduce the number of canceled requests by 20%	50%	↑	Limit or reduce errors in requests (materials and services) in up to 5% of the total requests received.
3.3	Direct Hiring (short term)								
3.3.1	Number of requests (short term)	23	13	32	30	Increase short-term hires by 80%	53%	↓	Achieve 40% of total contracts in the short-term category.
3.3.2	Number of canceled requests	5	3	2	1	Keep the number of canceled requests at 2	50%	↑	Limit or reduce errors in requests (materials and services) in up to 5% of the total requests received.
3.3.3	Overall average service time (days)	27	24	29	18	Reduce response time to 4 weeks (20 working days)	90%	↑	Keep the lead time to 4 weeks (20 business days)
3.4	Bidding Processes (long term)								
3.4.1	Number of requests (long term)	9	2	7	3	Increase long-term hires by 80%	23%	↑	Achieve 60% of total contracts in the long-term category.
3.4.2	Number of canceled requests	0	1	3	1	Reduce the number of canceled requests by 2	50%	↑	Limit or reduce errors in requests (materials and services) in up to 5% of the total requests received.
3.4.3	Overall average service time (days)	70	0	106	68	Keep lead time at 18 weeks (90 business days)	76%	↑	Keep lead time at 18 weeks (90 business days)



ACTIVITIES PERFORMED BY THE MANEAGEMENT OF ARCHITECTURE AND URBANISM (GAU)

The Management of Architecture and Urbanism carries out activities in the built and unbuilt areas of the Science Park environment, such as urban planning, regulation of land use and occupation, technical feasibility studies of new projects, management of projects related to infrastructure, development and coordination of projects architectural, landscaping and urban planning; technical surveys, guidance and monitoring of construction works and renovations, monitoring of licensing together with the supervisory bodies of buildings and urban areas managed by the PTEC-UFRJ Administration, technical assistance to the Park Administration and its clients; updating and availability of the register of building and urban works carried out and concluded, approval of layout of companies located in shared buildings. The Management of Architecture and Urbanism is composed of a public servant, two CLT employees and an intern.

Together with the PTEC-UFRJ Architecture Committee, the Management is also responsible for analyzing and approving new building projects.

Atividades desenvolvidas ao longo de 2022:

The Manegement of Architecture and Urbanism carried out actions that involved the areas of PTEC-UFRJ and the Biotechnology Pole, with emphasis on the following activities:

1. URBAN AND ARCHITECTURAL PLANNING AND DESIGN

Urban Requalification Project of the Park

The Park invests efforts in its spaces, both virtual and physical, to encourage the exchange of experiences and knowledge for innovation. Part of the Park's strategy is to ensure sustainable environmental and infrastructure management, making it adequate to current regulations and attractive for investments in research, development and innovation.

In 2022, the Management of Architecture and Urbanism finalized the follow-up of the executive projects of Urban Requalification of the Park and, continuing with the implementation of part

of the measures proposed in this project. The management started the contracting processes for the works of sanitary sewage and distribution of water, even as the acquisition and installation of new bus shelters and bicycle racks.

MP2 Project

The Science Park has been developing actions with the objective of expanding the ability to attract new technology-based companies for innovation, diversify the economic sectors of resident companies and expand connections with UFRJ and University-Company cooperation projects, strengthening its competitive advantage . In this sense, the Management of Architecture developed, throughout the year, the basic project for the construction of the building called MP2.

The project was created to meet the growing demand in the UFRJ Science Park for suitable spaces for scalable laboratories of experimentation and prototyping and clean rooms, the unavailability of which has made it unfeasible for companies seeking to be close to the centers of research at UFRJ.

GTEC Project and UFRJ's Rectory

UFRJ has administrative units located in the UFRJ Science Park, which require services from the Park's team. The Management of Architecture acted in the organization of spaces, developing layout studies for works.

With the aim of bringing an adequate environment and improving the disposition of the physical spaces of administrative activities, layout studies were developed, creating areas for adapting the functioning of the administrative structure of these units.

Project for the Structural Recovery of the Future Training Module Building (MCF)

After an investigation into the stability of the structure of the building due to the constant appearance of cracks on the front and internal walls and the inclination of the floor slab on the second floor of the MCF building, structural reinforcement was recommended in the conclusive report of this investigation.

To complement the necessary data for the development of the structural recovery project for the building, a specialized consultancy was contracted to implement a benchmark and a behavior monitoring system for pillars driven by metallic pins to the reading of differential settlements. In 2023, settlements will be monitored over six months and, at the end of the period, the material produced will be attached to the term of reference for the project preparation.

2. LICENSES

The Management of Architecture and Urbanism coordinated the licensing process with CBMERJ in order to obtain certificates for the buildings of the Reception, the Prototyping Module, the Innovation Agency and the Inovateca.

3. TECHNICAL ADVISORY

In 2022, this management provided technical support, subsidizing the Administration of the Park and its clients with information on documentation of use and occupation of the built spaces and land of the PTEC-UFRJ and the Biotechnology Pole; building technical surveys, for which reports and technical reports were drawn up in response to resident companies and the administration of the Park; updating and revision of plans of buildings and urban areas for opening public notices and real estate appraisal; monitoring the implementation of projects and technical support in events held within and outside the Park environment. Among the aforementioned activities, some actions are highlighted below.

Within the scope of the Special Projects Program, Management supported and assisted in the planning and technical definitions of the 2022 cycle of Short Circuit Gallery in its 5th edition of an exhibition of works of art in the urban areas of the Park, held in partnership with the School of Fine Arts.

Supporting yet another action to publicize the Science Park and Inovateca, the Management of Architecture evaluated and approved the executive project of the Instagramable Space, developed by the School of Fine Arts and prepared the layout of the Park's stand at the Rio Innovation Week. Aiming to complement the interior environment of Inovateca, management supported the development of the signage project prepared by the Park's Communication Management.

With regard to regulation and land use, the Management of Architecture developed the technical design for reviewing the lots in Block III, in order to enable the installation of the plan of the new research center in the Park.

In the process of vacating the properties by companies, the management carried out, with the PTEC-UFRJ's Architecture Advisory Committee and the Management of Operations, technical inspections, where the conservation status, operability and occupation of the site for issuing reports that subsidized the property

delivery processes by the companies. In the process of entry of new companies, the management provided technical assistance, evaluating and approving, with the Committee, the project proposals, layout and installations.

A seguir, a tabela dos Indicadores de desempenho da Gerência de Arquitetura e Urbanismo em 2022, bem como as metas para 2023:

PERFORMANCE INDICATORS - GAU							
ITEM	DESCRIPTION OF THE INDICATOR	2019	2020	2021	Reduction of Diversion		
					2022	2023	2023
					Planned	Realized	Goals
1	Average of Deviations from Project Deadlines (Days)	novo	20,61%	13,78%	Reduce 5%	36,39%	Reduce 20%
2	Average of Deviations in the Deployment Deadline (Days)	30,39%	30,32%	21,89%	Reduce 15%	40,19%	Reduce 20%



ACTIVITIES PERFORMED BY THE MANAGEMENT OF CORPORATE JOINTS (GAC)

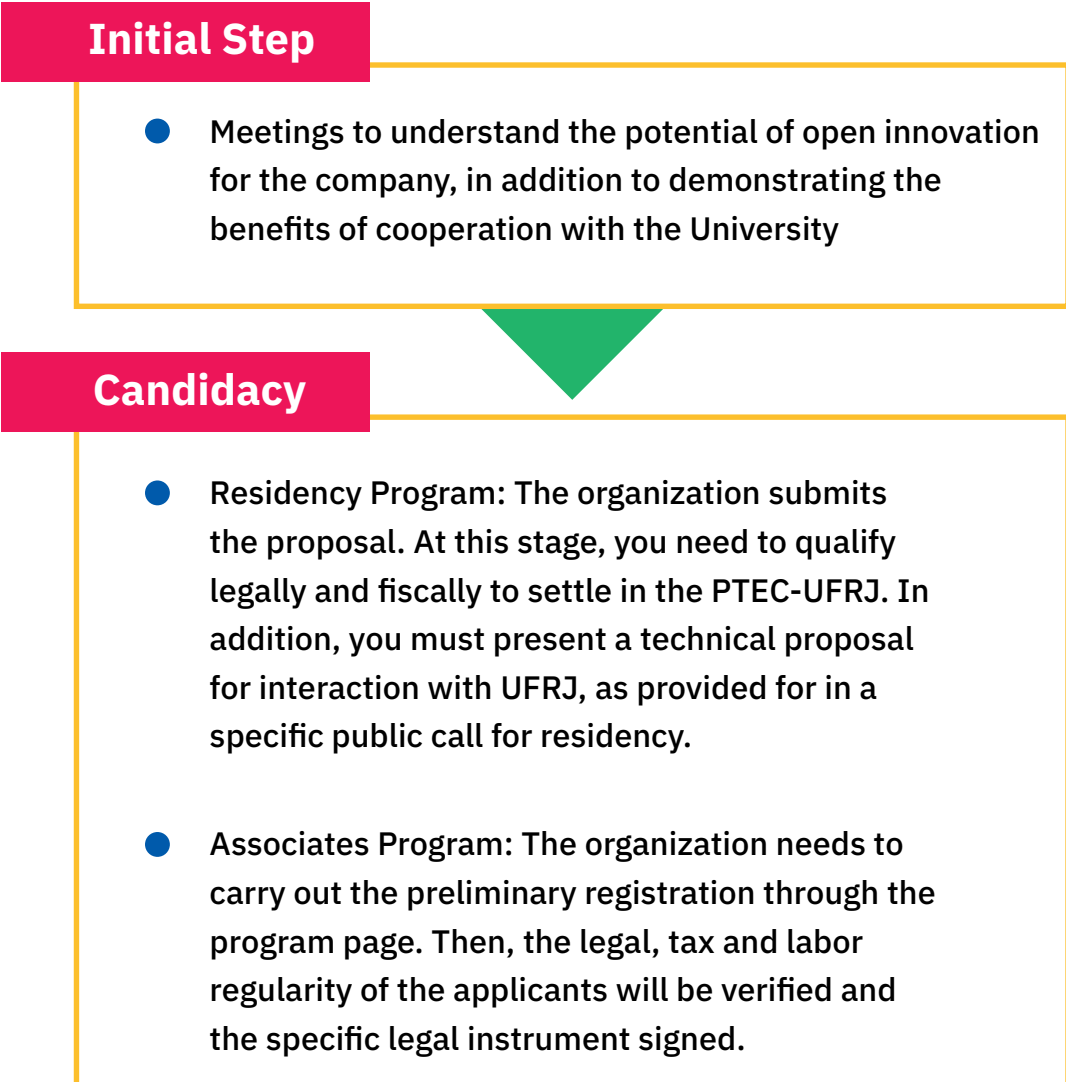
The Management of Corporate Joints encourages the connection between the Federal University of Rio de Janeiro, other organizations and the government. The team acts in the prospection of new companies for inclusion in the innovative environment of PTEC-UFRJ, as a resident or associate, and in the continuous promotion of the cooperation of these organizations

with the University, leveraging the transformation of knowledge into innovation. In December 2022, the Management of Corporate Joints was composed of four CLT specialists distributed in the following positions: a manager, an analyst and two assistants.

Activities developed by the GAC Management:

Prospecting for New Residents and Associates

For an organization to become a resident or associate, during the initial stage, the focus is on understanding the potential of the open innovation to the company and present the benefits of cooperation with the University. At this stage, meetings and presentations are realized by the PTEC-UFRJ to the different areas of the interested company and, also, connections with the capabilities of UFRJ that have potential affinity with the technological challenges presented by the company. After this first stage, the interested organization advances to the application process for one of the PTEC-UFRJ’s programs.



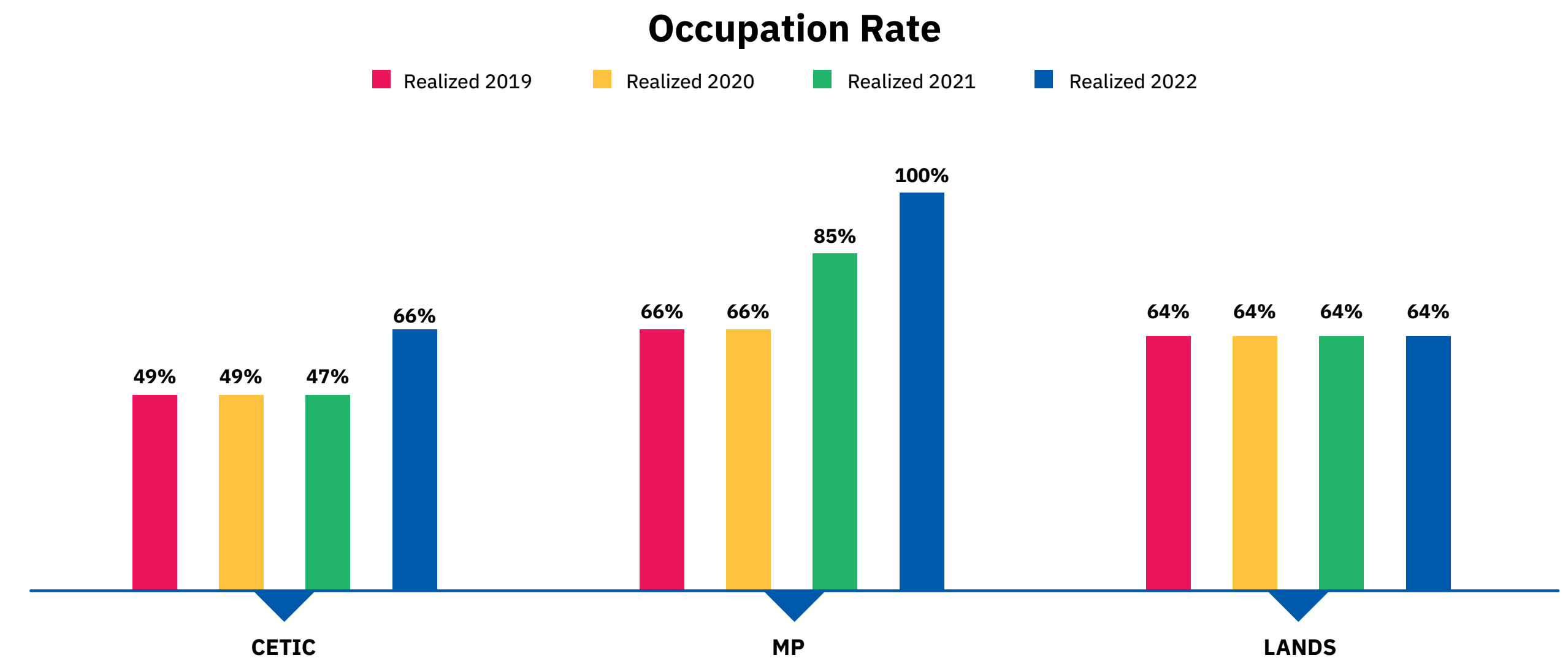
The Management of Corporate Joints acts as secretary to the Candidates Evaluation Committee, organizing the agenda and supporting documentation for evaluation, and subsequently referral of the collegiate decision to the legal area in order to proceed with the formal procedures.

From August/2021 to August/2022, the UFRJ Science Park acted in the Associate Program with the preliminary association modality. From August 2022 onwards, the environment started to operationalize the effective association.

During the year 2022, more than 40 companies connected with the Management of Corporate Joints in search of interaction with UFRJ's innovation ecosystem, some of them with potential for physical occupation, others with potential for association and technical and scientific cooperation. The Corporate Joints' team also participated in events such as "Rio Oil and Gas", "Rio Innovation Week" and Meeting of the Leaders Committee of Business Mobilization for Innovation.

In 2022, twelve institutions were part of the Associates Program and 28 institutions were part of the Residency Program. For the Residency Program, the occupancy rate of the UFRJ Technological Park, which corresponds to the ratio between the spaces occupied in the Park and the spaces available for lease in buildings and land, was 66% in the CE-TIC building, 100% in the MP building and 64% in land.

To calculate the indicator, below, in addition to the resident companies, we consider the occupation of the rectory and the occupation of the Dr. Entrepreneur.



Occupation Rate of the UFRJ Science Park over the years

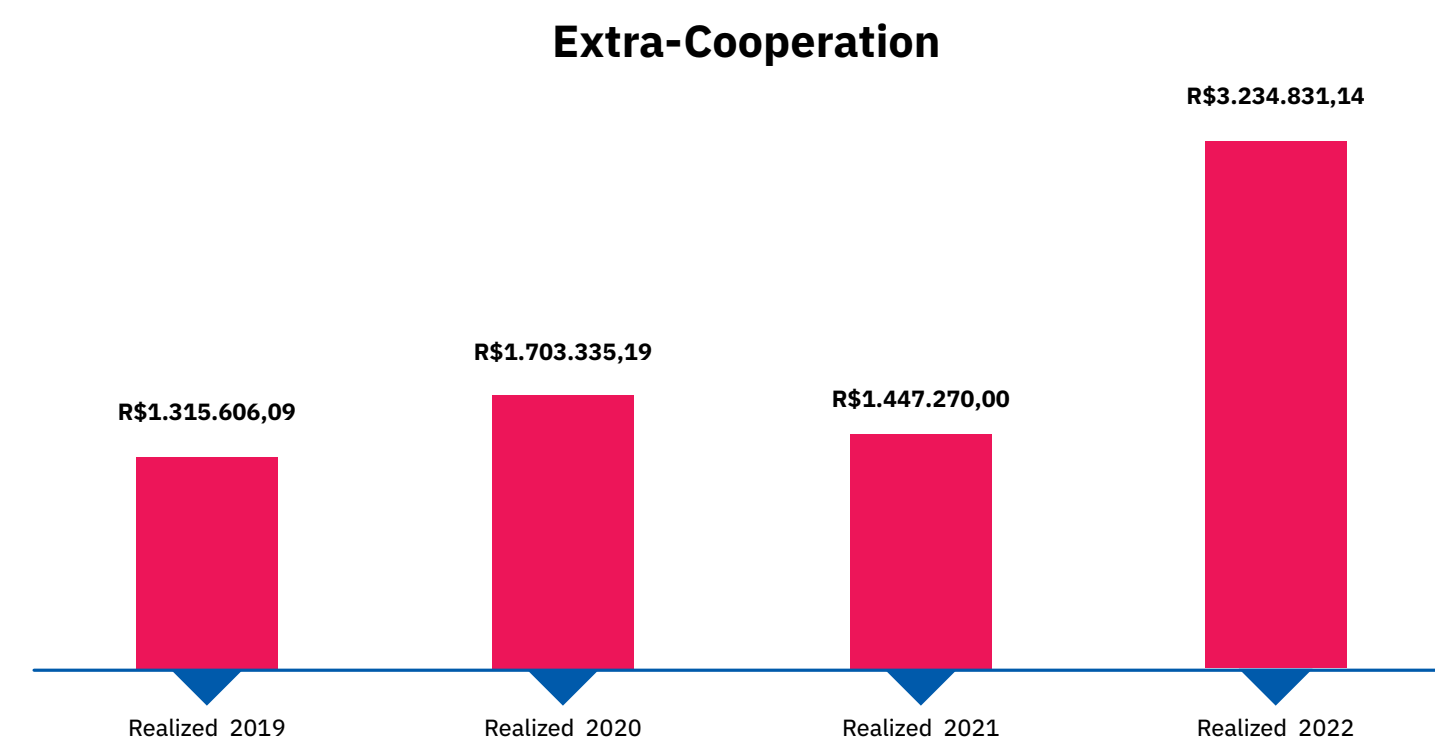
University-Company Cooperation

Aware of the existing challenges for establishing a university-company relationship, the PTEC-UFRJ's Management of Corporate Joints acts to facilitate and catalyze this process, establishing direct and continuous channels for the promotion of university-company cooperation.

Management has a direct relationship with each of the 28 resident organizations and 12 associates, either to identify their needs and connect to UFRJ's capabilities, or to support the formal issues of this relationship, such as contracts and intellectual property. Support in this type of issue implies interaction with the support foundations and UFRJ Inova.

The team maintains a daily relationship with the companies through meetings, technical visits, phone calls and e-mails. As a result of these interactions, more than R\$ 6.9 million were invested in projects with UFRJ, in 2022. The reach of 3.2 million in extra cooperation stands out, that is, a amount disbursed by resident and associated organizations in non-mandatory cooperation projects with UFRJ, which therefore exceed the contractual obligation for the year under review.

The Management of Corporate Joints provides support in the committee's secretariat, receiving projects and initiatives, guiding interested in the submission process and their doubts regarding the form and content, organizing the meetings and giving feedback. It is also the responsibility of the team to disclose the approved initiatives to residents and associates.



Organization and participation in events

The Management of Corporate Joints organized a series of events in 2022 with the aim of fostering a culture of innovation and entrepreneurship among stakeholders from PTEC-UFRJ – companies, government and university. In this sense, there were more than 18 self-organized events, most of which were hybrids, realized at Inovateca with online transmission, 70% open to the general public, including companies, professors and UFRJ's students.

In addition to holding events, the Management of Corporate Joints co-organized the Park's participation in the Rio Innovation Week with the exhibition of dozens of UFRJ's technologies, as well as participating in events such as Rio Oil And Gas, Meeting of the Committee of Leaders of Business Mobilization by Innovation (organized by CNI), Anprotec Conference, Movimento Rio Mais em Frente (Rio further ahead - organized by Jornal O Dia and Fecomércio), Tech Summit (promoted by SerraTech), XIV ENAPID (promoted by INPI), Opportunities Rounds with Intellectual Property (Casa Firjan), among others.

Conducting of Entrepreneurship and Innovation Programs

The Management of Corporate Joints promoted an entrepreneurship program in 2022: Park's Support Program for the public notice of the Doctor Entrepreneur. In 2022, four entrepreneurs were impacted by this action.

Inovateca

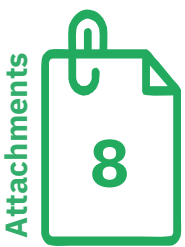
The Management of Corporate Joints leads the organization of Inovateca's activities schedule and, since April 2022, the building has already accumulated 74 events fulfilled this year, considering activities promoted by the Park's team, by companies, external tenants and by UFRJ.

Institutional

The Articulations area is also responsible for some institutional representation activities with the Network of Promoters of Innovative Enterprises – REINC, entities promoting development such as FINEP and FAPERJ and APEX (Export Qualification Program (PEIEX)).

Below is the table of Performance Indicators for the Management of Corporate Joins in 2022, as well as the targets for 2023:

PERFORMANCE INDICATORS - GAC							
ITEM	DESCRIPTION OF THE INDICATOR	2019	2020	2021	2022		2023
1	Park's occupation rate				Planned	Realized	Goals
1.1	CETIC	49%	49%	56%	70%	66%	80%
1.2	MP	75%	75%	99%	100%	100%	100%
1.3	Lands	64%	64%	54%	68%	64%	62%
1.4	non-obligatory cooperation	R\$ 1.315.606,09	R\$ 1.703.335,19	R\$ 1.447.270,00	R\$ 2.000.000,00	R\$ 3.234.831,14	R\$ 2.500.000,00



ACTIVITIES PERFORMED BY THE MANAGEMENT OF COMMUNICATION AND PRESS (GCI)

The Management of Communication and Press is responsible for the press activities of the office, internal and external communication, public relations, management of social media platforms and the PTEC-UFRJ’s website, production of content and digital marketing strategies, communication planning, organization and coverage of events, development of tools in communication,

consultancy for small residents companies, development of campaigns and publicity material for the Park, reports, video recording and editing, graphic design, support for other managements and UFRJ’s activities in partnership with the Park.

All activities carried out are focused on achieving the final objectives of PTEC-UFRJ and promoting them as an institution, in addition to recognizing the importance of the project in society and attracting partners, supporters, residents and the public for events and programs carried out. The team is made up of three CLT employeeer and

an intern, being two journalists, a designer and a social communication intern from UFRJ.

Activities developed by the Management of Communication and Press:

Press Advisory

The press advisory’s mission is to disseminate to society the actions realized by the project and its residents through the press, in addition to following interviews and articles that mention the PTEC-

UFRJ even without direct participation. For this, promotional materials were included (notes, releases, story suggestions) and frequent contacts with journalists. In 2022, there were more than 50 publications in the press.

PTEC- UFRJ's Website

The Management of Communication is responsible for the content and updating of the PTEC-UFRJ's website. The website contains information about the project and the resident companies, news channel, announcements, events, job and internship opportunities, announcements, releases, email contact, channel for requesting visits, newsletters and other activities of the PTEC-UFRJ . In 2022, there were around 30,000 visits to our website.

Social media

The team is responsible for the management and content of four social medias profiles. PTEC-UFRJ has profiles on Facebook, Linkedin, YouTube and Instagram. All these channels, by digital platforms, have the mission of expanding the internal and external communication network, bringing its own content from partners, residents and topics of interest to society. On all social media platforms, PTEC-UFRJ has grown in relevance and engagement.

Communication Consulting

The Communication consulting is a PTEC-UFRJ's service for small residents companies. The objective of the activity is to provide support in publicizing, preparing communication plans, recording and editing videos, in addition to clear communication training for pitches.

Internal and external events

The Management of Communication and Press is responsible for publicizing, covering and support for events held at PTEC-UFRJ. A Disclosure includes actions in the press, social media and the UFRJ's community. The coverage of events have image capture (photos or videos) and note writing for internal media. The communication team also publicizes events supported by PTEC-UFRJ, organized by external partners and the social body of the UFRJ. It also acts in the insertion of the PTEC-UFRJ in external events of great relevance for the society. In 2022, the management was responsible for the participation of PTEC-UFRJ in Rio Innovation Week, with a stand and lectures.

Design

The Management of Communication is responsible for all the graphic material, as well as the visual identity of PTEC-UFRJ. Among the pieces are virtual invitations, event disclosure sheets, report layout, website layout, internal and external signage, institurional presentations and others. In 2022, we highlight the creation of new promotional materials for the Park and the development of the 20 years Park commemorative stamp in commemoration of the Park's 20th anniversary, in 2023.

Content production

The Management of Communication is responsible for all contents of the PTEC-UFRJ, production for internal and external dissemination and social media platforms. Among the production of content, we can highlight videos, interviews, articles, etc..

Public relations

The communication team is also responsible for promoting the Science Park through public actions

relations such as institutional visits, partnerships with external institutions for dissemination actions and lectures, participation in events, actions with UFRJ and others institurions.

Institutional Visits

The realization of institutional visits to the external public and the academic community is also an activity realized by the team. The Visits Program includes a presentation of the project and a visit to the UFRJ’s laboratories, located at the PTEC-UFRJ. In 2022, visits returned bringing students, government representatives and interested parties in general.

Interaction with the Federal University of Rio de Janeiro

In 2022, the Mnagement of Communication became part of the committee for the construction of UFRJ's Communication Policy. The Management of Communication was also responsible for inserting the PTEC-UFRJ in the Festival of Knowledge, realized by PR5 - Pro-Rectory of Extension and for establishing partnerships to support the PTEC-UFRJ in University events.

Inserts of internal communication with UFRJ

The Management of Communication makes constant contact with the communication teams of the Federal University of Rio de Janeiro to publicize activities, events and notices in the UFRJ’s media.

Below is the table of performance indicators for the Management of Communication and Press in 2022, as well as the targets for 2023:

PERFORMANCE INDICATORS - GCI							
ITEM	DESCRIPTION OF THE INDICATOR	2019	2020	2021	2022		2023
					Planned	Realized	GOALS
1	Reach	96.399	242.010	251.846	10%	96,47%	30%
2	Interections	7.379	19.539	26.669	20%	134,46%	30%



ACTIVITIES PERFORMED BY THE MANAGEMENT OF OPERATIONS (GOP)

The Management of Operations is an autonomous team, responsible for planning and executing the activities aimed at the proper functioning of the PTEC-UFRJ, performed by third parties and by its own team, making sure that the management of the team and the activities of the Management are realized by three leaders/supervisors who report directly to the Director, from three areas: Infrastructure, Services and Manegement of Materials.

The main activities of GOP are:

- Operation, maintenance and urban and building conservation of the buildings managed by the Park;
- Conducting inspection of deliveries and Devolution of Rooms and Modules to resident companies;
- Monitoring and inspection of external changes and the use of common spaces by companies;
- Control and supervision of services contractors for gardening, landscaping and cleaning of urban areas, asset security with physical and

electronic surveillance of the urban perimeter and buildings managed by the Park, fire fighting system, fumigation, cleaning of reservoirs, elevators, generator sets, air-conditioning system, recovery and cleaning of facades, control of water and electricity consumption, inspection and monitoring of constructions, operation of the wharves, helipad and parking lots for visitors;

Activities developed by the Management of Operations:

	Activities	2022
Security and Surveillance	Property surveillance in the common areas of the PTEC-UFRJ is realized by an outsourced team of security guards and janitors, controlled and supervised by the management. There are more than ninety cameras installed in common areas of shared buildings and roads, controlled 24 hours a day. There is also a team of janitors who are responsible for security, access controls, supervision of all actions that require security.	<p>At the end of 2021, a bidding process was realized, whose company Magna was the winner. The contract began in January 2022. This contract includes a team of two CCTV operators and four daytime and four nighttime security guards. We added two guard posts due to the entry of new residents.</p> <p>To increase the effectiveness of security, four gates with proximity sensors were purchased (to avoid the risk of contagion of the Coronavirus), coupled to the our cameras, which record images of all drivers and license plates of vehicles entering and leaving the PTEC-UFRJ.</p>
Maintenance of green areas Building Conservation	The management of green areas includes landscaping in general, garden maintenance, pruning, removal and transplanting of trees and palm trees, implantation and maintenance of lawns, as well as cleaning and gardening activities. The cleaning and sweeping of streets, parking lots, sidewalks, piers and helipad, gutters and storm drains, as well as the removal, packaging and disposal of inorganic waste at the places are services performed by a third-party company. Removal, packaging and disposal are realized in composting beds in the garden of organic waste. Services are divided into fixed activities and variable activities, contracted in according to the level of the service.	<p>In 2022, continuity was given to the contract for the provision of gardening, landscaping, cleaning and street sweeping services with the company Villa Tomiazzi, winner of the bidding process realized in 2021, aimed at the conservation and maintenance of green areas, roads and channels of the PTEC- UFRJ, preserving the existing landscape.</p> <p>At the same time, the PTEC-UFRJ started the study of the insourcing of maintenance services in the areas, understanding that there would be an efficiency gain, in addition to financial.</p> <p>For this purpose, a technical consultancy was contracted to adjust the Work proposed by the autonomous team, whose objective is to structure the maintenance service of the PTEC-UFRJ green area, aiming at training the team, acquiring inputs/materials, infrastructure of machines and tools, establishing income from activities/hours, among others.</p>

<div>Building Conservation</div>	<p>The purpose of building conservation is to provide for the conservation of the infrastructure building of the Rectory and PRs of the buildings, maintaining the valuation of the heritage and guaranteeing the use spaces, mainly for common use. The building conservation team is composed of CLT specialists who take care of the buildings called CETIC, MP, Inova, Inovateca, Access Building, CEOP, Rectory Building and PR's. Conservation is carried out by the Park's own team.</p>	<p>In 2022, with the return of 100% face-to-face activities, the team increased the frequency of cleaning in the common areas of the buildings of CETIC, MP, Inova, Inovateca and the Rectory building.</p> <p>Some actions that were implemented during the pandemic were maintained, such as: faucets with sensors, ecological urinal, lighting with presence sensor and alcohol dispenser installations in buildings.</p> <p>The team responsible for the activity is composed by 12 CLT specialists, including a supervisor, a foreman and ten general service assistants.</p>
<div>Preventive Maintenance, Electric Energy, Water and Sewage</div>	<p>The maintenance area serves both the urban areas of the PTEC-UFRJ and the shared buildings, Rectory Building and PRs. the services of routine include the control of water and electricity consumption, as well as the cleaning of water reservoirs, analysis of water potability, fumigation, verification of the lightning protection system (SPDA), maintenance of elevators, among others.</p> <p>At PTEC-UFRJ, all preventive and corrective maintenance services are managed using Leankeep software. Thus, the tasks are analyzed, scheduled and planned for corrections and activities to be carried out as soon as possible.</p> <p>The software also generates report templates and indicators, which help in decision-making and in our short, medium and long-term planning deadlines. In this way, it is possible to establish a more efficient and effective in managing the items involved, generating comfort and safety for their residents, users and visitors.</p>	<p>To meet the demand for the buildings, Management adopted an alternate work schedule to continue realizing the necessary maintenance on a daily basis, in order not to compromise the proper functioning of our facilities, both at PTEC-UFRJ.</p> <p>In 2022, the team returned to normal hours and scheduled activities were realized more frequently.</p> <p>With the help of the software, it is possible to supervise preventive maintenance (activities scheduled) to reduce the probability of equipment failures and stoppages, mainly in air conditioners, following the guidelines of NBR 5462. With the registration of preventive maintenance it was possible to identify the service segment that is most demanded at PTEC-UFRJ. The biggest records of preventive maintenance are related to the system refrigeration units, most of which are installed in the building called CETIC.</p>
<div>Reception</div>	<p>The reception is responsible for serving the public, scheduling appointments meetings, answering and filtering calls, taking messages, receiving and guiding visitors and, provide support to the administrative team. At the reception of the building called CETIC, the reception is responsible for receiving mail, separating and file in accordance with the PTEC-UFRJ companies.</p>	<p>In 2022, there was an increase in the number of receptionists, due to the entry of new residents and building management, under the responsibility of PTEC-UFRJ. The team today is composed of four receptionists and the supervision of the employees is realized by the same employee who supervises building cleaning.</p>

Below is the table of the performance indicators for the Management of Operations in 2022, as well as the targets for 2023:

PERFORMANCE INDICATORS - GOP							
ITEM	DESCRIPTION OF THE INDICATOR	2019	2020	2021	2022		2023
1					Planned	Realized	Target
2	Corrective maintenance	531	1.155	901	811	1094	985
3	Preventive maintenance	24	297	1.283	1.604	3143	4715



SECRETARIAT

The Secretariat is responsible for providing support to the management, the Park’s team and Inova UFRJ. The area is composed of two CLT employee and their activities are:

- Organization and control of physical and digital files;
- Service to external customers (UFRJ, government institutions, companies, external public) and internal customers (PTEC and INOVA UFRJ team);
- Dispatch and conference of documents;
- Control of documents received and sent;

- Organization of meetings;
- Support in organizing events;
- Organization and control of the agenda of the directors, managers and members of the PTEC’s and INOVA UFRJ’s team;
- Elaboration of minutes of PTEC’s and INOVA UFRJ’s meetings;
- Process of validating in the Associated Companies Program;
- Arrangement for signature of contracts in the process of Qualification of companies;
- Arrangement for signing documents in general;
- Control and organization of the Park's Committees and Board of Directors (meetings, ordinances, preparation of minutes, etc.);
- Control and update of all PTEC’s contacts;
- Translation and revision of documents (reports, letters, letters, etc.);
- Preparation of letters, spreadsheets, graphics, letters, organization charts, flowcharts;
- Insertion of process and documents in the SEI system, as well as follow-up and movement of processes;

- *Purchase of tickets, stays and hotel rate for the entire PTEC’s team;*
- *Registration of the PTEC’s team in courses, lectures, events and conferences;*
- *Support to the entire team oh the PTEC and INOVA UFRJ ;*
- *Construction of PTEC’s performance indicators.*

In 2022, the activities realized by the area were:

Contribution to the development and use of the Associadas Program/Project, as well as operating it;
Support in opening processes, filling out contract forms with Finep, InovaSerra and FAPERJ;
Development of Planners for monitoring SEI processes and associated companies;
Support in the process of Entry of companies in PTEC;
Collaboration for filling out, supporting the coordination and signing of Amendments by the companies in the Park in relation to the IPCA;
Support in the search for information with the PTEC’s companies in relation to the renovation of the Piers in the PTEC;
Collaboration in the optimization of processes for the organization of the Board of Directors and PTEC’s Committees and support in the renewal of procedures for the execution of the Weekly Meetings of managers with the Quality Management Office;
Execution of registration, purchase of tickets, accommodation and requests hotel rate for the team to participate in ANPROTEC/2022;
Review and translation of the 2020/2021 Sustainability Report;
Participation and collaboration in events: Rio Innovation Week, Anprotec 2022, Breath Parque;
Participation in meetings of the CD and PTEC’s Committees and preparation of minutes, coordination of management’s performance indicators, participation in the preparation of PTEC’s strategic planning; and
Scheduling interviews for hiring new interns and employees.



STATEMENT OF INCOME FOR THE YEAR’S PTEC - UFRJ

		2019		2020		2021		2022	
BALANCE AVAILABLE IN 01/01:		R\$ 5.555.532		R\$ 7.502.625		R\$ 7.324.490		R\$ 7.499.714	
RECEIPTS	1. Service Fee - Land	R\$ 8.712.924	86,48%	R\$ 6.334.264	86,22%	R\$ 9.035.693	87,91%	R\$ 10.687.734	58,63%
	2. Service Fee - CETIC	R\$ 494.782	4,91%	R\$ 318.885	68,88%	R\$ 406.194	3,95%	R\$ 300.691	1,65%
	3. Service Fee - MP	R\$ 782.537	7,77%	R\$ 674.697	9,80%	R\$ 806.010	7,84%	R\$ 1.896.496	10,40%
	4. Income from Financial Application	R\$ 45.406	0,45%	R\$ 0	0,00%	R\$ 0	0,00%	R\$ 0	0,00%
	5. Transfers between Projects, Settlements and Others	R\$ 38.959	0,39%	R\$ 18.697	0,81%	R\$ 30.225	0,29%	R\$ 5.344.932	29,32%
Total:		R\$ 10.074.608		R\$ 7.346.543		R\$ 10.278.122		R\$ 18.229.854	
Operating and Administrative Expenses (DOA):		R\$ 646.724		R\$ 462.963		R\$ 616.398		R\$ 918.564	
NET RECEIPT:		R\$ 9.427.885		R\$ 6.883.581		R\$ 9.661.724		R\$ 17.311.289	
EXPENSE ELEMENTS	1. ADMINISTRATIVE COSTS	R\$ 2.386.743	31,90%	R\$ 2.538.289	35,94%	R\$ 3.010.328	31,73%	R\$ 4.244.475	33,18%
	Staff	R\$ 2.187.444	29,24%	R\$ 2.298.378	32,55%	R\$ 2.614.219	27,56%	R\$ 3.750.090	29,32%
	Services	R\$ 154.799	2,07%	R\$ 122.805	1,74%	R\$ 246.425	2,60%	R\$ 270.980	2,12%
	Materials	R\$ 44.500	0,59%	R\$ 117.106	1,66%	R\$ 149.684	1,58%	R\$ 223.404	1,75%
	3. SAFETY AND SURVEILLANCE	R\$ 850.904	11,37%	R\$ 796.578	11,28%	R\$ 743.414	7,84%	R\$ 1.051.152	8,22%
	Staff	R\$ 144.930	1,94%	R\$ 123.795	1,75%	R\$ 0	0,00%		0,00%
	Services and materials	R\$ 705.974	9,44%	R\$ 672.783	9,53%	R\$ 743.414	7,84%	R\$ 1.051.152	8,22%
	4. URBAN MAINTENANCE	R\$ 998.510	13,35%	R\$ 851.572	12,06%	R\$ 828.697	8,74%	R\$ 991.721	7,75%
	Staff	R\$ 301.535	4,03%	R\$ 256.277	3,63%	R\$ 212.488	2,24%	R\$ 260.696	2,04%
	Services and materials	R\$ 696.975	9,32%	R\$ 595.295	8,43%	R\$ 616.209	6,50%	R\$ 731.025	5,72%
	5. BUILDING MAINTENANCE	R\$ 952.894	12,74%	R\$ 797.782	11,30%	R\$ 1.274.900	13,44%	R\$ 2.386.999	18,66%
	Staff	R\$ 645.118	8,62%	R\$ 491.075	6,95%	R\$ 739.702	7,80%	R\$ 1.295.162	10,13%
	Services and materials	R\$ 307.776	4,11%	R\$ 306.707	4,34%	R\$ 535.198	5,64%	R\$ 1.091.837	8,54%
	6. ELECTRICITY	R\$ 169.205	2,26%	R\$ 393.628	5,57%	R\$ 489.897	5,16%	R\$ 389.387	3,04%
	Center of Operations	R\$ 0	0,00%	R\$ 0	0,00%	R\$ 0	0,00%	R\$ 0	0,00%
	Inovateca	R\$ 0	0,00%	R\$ 60.202	0,85%	R\$ 111.242	1,17%	R\$ 115.236	0,90%
	Street lighting	R\$ 29.871	0,40%	R\$ 62.406	0,88%	R\$ 78.187	0,82%	R\$ 103.825	0,81%
	Access Building	R\$ 66.062	0,88%	R\$ 57.324	0,81%	R\$ 54.713	0,58%	R\$ 1.291	0,01%
	Administration Building	R\$ 62.184	0,83%	R\$ 22.029	0,31%	R\$ 825	0,01%	R\$ 0	0,00%
	Building of the Restaurant	R\$ 1.801	0,02%	R\$ 1.916	0,03%	R\$ 461	0,00%	R\$ 0	0,00%
	CETIC's Building	R\$ 9.287	0,12%	R\$ 84.549	1,20%	R\$ 135.318	1,43%	R\$ 123.063	0,96%
	MP's Building	R\$ 0	0,00%	R\$ 105.202	1,49%	R\$ 109.151	1,15%	R\$ 45.972	0,36%

	COMMUNICATION AND PRESS	R\$ 415.577	5,56%	R\$ 312.279	4,42%	R\$ 360.589	3,80%	R\$ 577.636	4,52%
	Staff	R\$ 379.350	5,07%	R\$ 295.943	4,19%	R\$ 344.434	3,63%	R\$ 514.983	4,03%
	Services and Materials	R\$ 36.227	0,48%	R\$ 16.337	0,23%	R\$ 16.155	0,17%	R\$ 62.653	0,49%
	SECURITY AND INFORMATION TECHNOLOGY	R\$ 449.462	6,01%	R\$ 396.173	5,61%	R\$ 364.009	3,84%	R\$ 707.286	5,53%
	Staff	R\$ 351.620	4,70%	R\$ 337.408	4,78%	R\$ 326.091	3,44%	R\$ 577.430	4,51%
	Services and Materials	R\$ 97.842	1,31%	R\$ 58.765	0,83%	R\$ 37.918	0,40%	R\$ 129.856	1,02%
	8. WATER AND SEWAGE	R\$ 126.563	1,69%	R\$ 110.601	1,57%	R\$ 104.772	1,10%	R\$ 146.983	1,15%
	Administration, Access Building and Restaurant	R\$ 26.181	0,35%	R\$ 26.975	0,38%	R\$ 19.312	0,20%	R\$ 8.000	0,06%
	Inovateca	R\$ 0	0,00%		0,00%	R\$ 19.413	0,20%	R\$ 40.379	0,32%
	Garden (Irrigation)	R\$ 7.083	0,09%	R\$ 8.018	0,11%	R\$ 6.180	0,07%	R\$ 10.398	0,08%
	Center of Operations	R\$ 17.721	0,24%	R\$ 16.362	0,23%	R\$ 14.125	0,15%	R\$ 18.585	0,15%
	CETIC's Building	R\$ 35.700	0,48%	R\$ 24.431	0,35%	R\$ 24.358	0,26%	R\$ 14.673	0,11%
	MP's Building	R\$ 39.878	0,53%	R\$ 34.815	0,49%	R\$ 21.384	0,23%	R\$ 54.948	0,43%
	9. INFRASTRUCTURE AND PROJECTS	R\$ 1.065.309	14,24%	R\$ 718.294	10,17%	R\$ 2.061.625	21,73%	R\$ 1.527.124	11,94%
	Staff	R\$ 367.610	4,91%	R\$ 387.597	5,49%	R\$ 360.893	3,80%	R\$ 443.865	3,47%
	Services and Materials	R\$ 697.699	9,33%	R\$ 330.697	4,68%	R\$ 1.700.732	17,93%	R\$ 1.083.259	8,47%
	10. OUTHERS	R\$ 65.688	0,88%	R\$ 146.518	2,07%	R\$ 248.269	2,62%	R\$ 767.605	6,00%
	TOTAL OF EXPENSES:	R\$ 7.480.855	100%	R\$ 7.061.714	100%	R\$ 9.486.499,64	100%	R\$ 12.790.367	100%
	OPERATIONAL RESULT:		R\$ 1.947.030		-R\$ 178.133		R\$ 175.224		R\$ 4.520.922
	BALANCE AVAILABLE ON 12/31:		R\$ 7.502.562		R\$ 7.324.492		R\$ 7.499.714		R\$ 12.020.637

"ASSIGNMENT OF USE - SHARED BUILDINGS (Initial Balance // Collected // Debits // Available Balance)"	R\$ 1.570.473	R\$ 2.130.102	R\$ 2.578.328	R\$ 919.949
	R\$ 608.913	R\$ 489.922	R\$ 511.162	R\$ 1.062.061
	R\$ 49.284	R\$ 41.695	R\$ 2.169.541	R\$ 107.269
	R\$ 2.130.102	R\$ 2.578.328	R\$ 919.949	R\$ 1.874.740

"CONTINGENCY RESERVE FUND (Initial Balance // Collected // Debits // Available Balance)"	R\$ 2.222.096	R\$ 3.990.617	R\$ 4.030.690	R\$ 4.177.224
	R\$ 1.768.521	R\$ 183.908	R\$ 322.123	R\$ 801.582
	R\$ -	R\$ 143.836	R\$ 175.588	R\$ 19.291
	R\$ 3.990.617	R\$ 4.030.690	R\$ 4.177.224	R\$ 4.959.516



STATEMENT OF INCOME FOR THE YEAR’S – UFRJ BIOTECHNOLOGY POLE

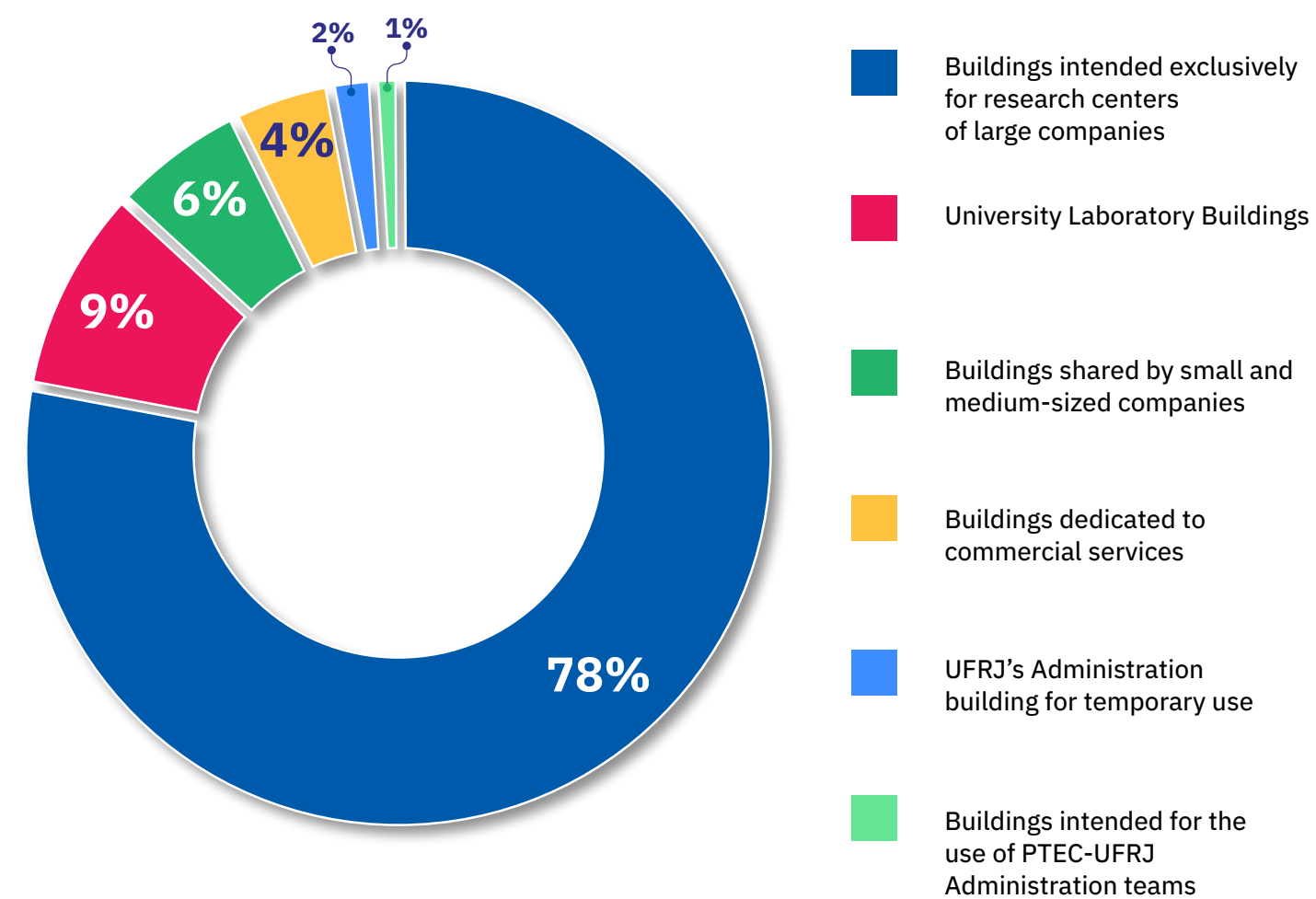
	2019		2020		2021		2022	
BALANCE AVAILABLE IN 01/01:	R\$ -		R\$ 604.578,67		R\$ 138.377,80		R\$ 560.147,36	
REVENUES	REALIZED		REALIZED		REALIZED		REALIZED	
1. Service Fee - (Lots, Sheds and Incubator)	R\$ 1.698.505	189,67%	R\$ 895.497	100,00%	R\$ 1.234.801	137,89%	R\$ 1.042.425	116,41%
2. Distribution of Income	R\$ 752	0,08%	R\$ 0	0,00%	R\$ 0	0,00%	R\$ 0	0,00%
Total	R\$ 1.699.257	100%	R\$ 895.497	100%	R\$ 1.234.801	138%	R\$ 1.042.425	116%
DOA	R\$ 183.324		R\$ 74.779		R\$ 105.085		R\$ 104.243	
Net Revenue:	R\$ 1.515.933	100%	R\$ 820.718	100%	R\$ 1.129.716	138%	R\$ 938.182	116%
EXPENSES	REALIZADO		REALIZADO		REALIZADO		REALIZADO	
1. Administratives Expenses	R\$ 191.607	21,02%	R\$ 298.768	23,22%	R\$ 24.649	1,92%	R\$ 368	0,03%
1.1. Staff	R\$ 177.067	19,43%	R\$ 287.286	22,32%	R\$ 31	0,00%	R\$ 368	0,03%
1.2. Services	R\$ 13.019	1,43%	R\$ 920	0,07%	R\$ 904	0,07%		0,00%
1.3. Materials	R\$ 1.521	0,17%	R\$ 10.562	0,82%	R\$ 23.714	1,84%		0,00%
2. Property security	R\$ 225.445	24,74%	R\$ 305.542	23,74%	R\$ 360.326	28,00%	R\$ 113.830	8,85%
3. Urban Maintenance	R\$ 165.473	18,16%	R\$ 292.146	22,70%	R\$ 293.891	22,84%	R\$ 323.357	25,13%
3.1. Staff	R\$ 13.320	1,46%	R\$ 35.025	2,72%	R\$ 51.619	4,01%	R\$ 71.515	5,56%
3.2. Services and Materials	R\$ 152.154	16,70%	R\$ 257.121	19,98%	R\$ 242.272	18,83%	R\$ 251.842	19,57%
4. Building Maintenance	R\$ 221.212	24,27%	R\$ 379.185	29,46%	R\$ 29.081	2,26%	R\$ 13.585	1,06%
4.1. Staff	R\$ 152.290	16,71%	R\$ 309.011	24,01%	R\$ 5.135	0,40%	R\$ 5.978	0,46%
4.2. Services and Materials	R\$ 68.922	7,56%	R\$ 70.173	5,45%	R\$ 23.946	1,86%	R\$ 7.607	0,59%
5. Telephony and Communication	R\$ 29.403	3,23%	R\$ 7.644	0,59%	R\$ 0	0,00%	R\$ 0	0,00%
5.1. Internet	R\$ 22.000	2,41%	R\$ 4.400	0,34%	R\$ 0	0,00%	R\$ 0	0,00%
5.2. Telephony	R\$ 7.403	0,81%	R\$ 3.244	0,25%	R\$ 0	0,00%	R\$ 0	0,00%
6. Infrastructure and Projects	R\$ 78.214	8,58%	R\$ 3.635	0,28%	R\$ 0	0,00%	R\$ 0	0,00%
Total of Expenses:	R\$ 911.354	100%	R\$ 1.286.919	100%	R\$ 707.947	55%	R\$ 451.139	35%
OPERATIONAL RESULTS:	R\$ 604.579		-R\$ 466.201		R\$ 421.770		R\$ 487.043	
BALANCE AVAILABLE IN 31/12:	R\$ 604.579		R\$ 138.378		R\$ 560.147		R\$ 1.047.190	



5 Infrastructure of the Park

The Park seeks to have adequate infrastructure, access to the university's research and collaboration capacity.

The Park's area is approximately 35ha (350,000m²), with 93,210m² of built area, as shown in the graph below.



Percentage representation of the built area in the Park in 2022

Our environment is characterized by a landscape composed of architectures of diversified volumes and typologies, by the vegetation present and integrated into the built landscape and by the presence of Guanabara Bay, which surrounds the area.

Our infrastructure is composed by a Center of Excellence in Information Technology and Communication – CETIC, a Prototyping Module – MP, Inovateca, an Administration, a restaurant and land.

INOVA UFRJ

The building comprises a reception, two auditoriums with a capacity for 30 people each, a pantry and a storage room for cleaning material, on the first floor; administrative office, meeting rooms, coffee shop and restrooms on the second floor. This one The top floor has the capacity to house a population of 60 people.

In 2021, Inova UFRJ started to occupy this space. Inova is an initiative aimed at the application and dissemination of the multiple aspects of Innovation within UFRJ. Among its attributions are the dissemination of Innovation at the university, the management of knowledge protection processes arising from academic research the licensing of technologies and the promotion of partnerships

between companies and UFRJ, so that the knowledge produced in the institution can, in fact, reach society.



CETIC

The building consists of four floors, with a total area of 2,800 m², dedicated to activities that can be developed in an office environment. It has central air conditioning, raised floor, individual electrical switchboards (per room), a wide and mapped network of structured cabling and the possibility of using a wireless network, an IP telephony system, also featuring rooms with sizes that can be customized.

In 2020, the entire PTEC-UFRJ's team was allocated in this building. The objective of this relocation was part of

a strategy to integrate more the team more and make the activities realized by each department known and understood by any employee, regardless of its function. Also, in addition to being part of the team, the relocation allowed the release of space in the MP for new residents.

At the end of 2022, resided in this building 11 (eleven) companies and the entire 4th floor and a commercial room on the 3rd.



MP

This building is aimed at companies with a semi-industrial profile, which need adequate space and height for the installation of 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. In 2022, the building reached 100% occupancy, including the meeting rooms that were previously occupied by part of the Park's team.



INOVATECA

New space in the UFRJ Science Park of sharing content , connections and experimentation, Inovateca is a physical and virtual place with activities for the development and support of projects that inspire innovative and entrepreneurial initiatives at different levels of maturity

With 2,730 m² of built area, as a physical space, Inovateca is positioned in a central area of the Park Science Park, whose architectural project is inspired by the Magic Cube (a toy that



works like a three-dimensional puzzle, invented by the Hungarian Ernő Rubik), constituting a set of buildings composed of a building main (18x18x18m) and five5 smaller annexes (6x6x6m), all in cube format. The building has an auditorium, multipurpose arena, meetings, capsules for private conversations, socializing area, WiFi connectivity throughout the building. In addition, we have a platform digital for overflowing the programming offered in the physical environment to the virtual plane.

RESTAURANT

The PTEC-UFRJ's Restaurant building has 1,421.47m² distributed over three floors. Its needs program involves food halls and restrooms on the three floors, industrial kitchen, locker rooms, technical areas, office and a terrace/balcony on the top floor.

In the second half of 2022, after bidding process, the Savvy group started to use the 1st and 2nd floors. In November, he Notório Sabor restaurant was inaugurated, serving Brazilian cuisine recipes and international options in a buffet with more than 28 options. Customers can consume freshly prepared barbecue, pasta and sushi, in addition to having the Notório option Cafe, an indoor coffee shop.



LANDS

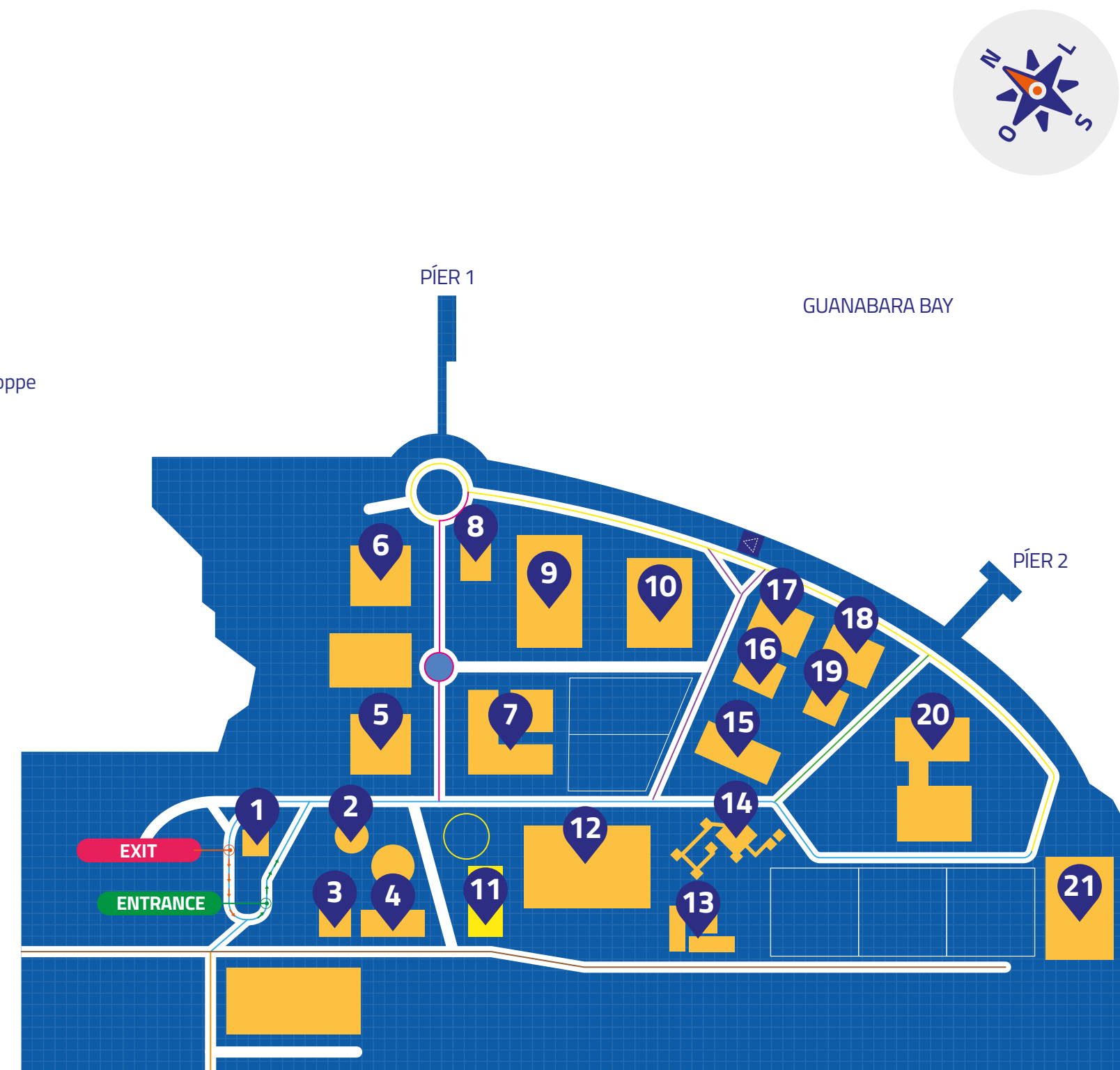
In its 350,000 m², in addition to the buildings mentioned above, there are also land areas on the Park's premises, which are granted through use concession notices to companies that show interest in setting up their research centers in this region, as well as University's laboratories.



LEGEND

1. Reception of the Park
2. Auditoriums
3. CeTIC / Administration of the Park
4. CEGN
5. Vallourec / UFRJ's Fundo Verde / EMBRAPAII Coppe
6. LAMCE
7. Prototyping Module (MP)
8. NEO
9. LabOceano
10. Schlumberger
11. GETEC
12. Ambev
13. Center of Operations
14. Inovateca
15. Halliburton
16. Senai Cetiqt
17. Tenaris
18. Siemens
19. Dell EMC²
20. TechnipFMC
21. Superpesa

- Aloísio Teixeira Street
- Sydney Martins Gomes dos Santos Street
- Fernando de Souza Barros Street
- Antônio Barros de Castro Street
- Leopoldo de Meis Street
- Paulo Emílio Barbosa Street
- Hélio de Almeida





FINALISTIC OBJECTIVES AND ACTIVITIES PERFORMED BY THE MANAGERMENTS

The actions realized in 2022 that contributed to the final objectives, provided for in article 2 of Resolution 10/2018, are:

Objective I: Attract new research, development and production activities for innovative goods and services to the different UFRJ's campuses.

The Park continued, throughout 2022, always aiming to connect with the most varied environments and opportunities that UFRJ has to offer when it carries out its actions in search of the university's competences to solve the challenges technologies and expands its search to all existing campuses. It is worth mentioning the use of the CONECTA search tool, the virtual platform that was developed by the University and that supports the Park in the search and connection with the university's knowledge in its different campuses.

Objective II: Encourage the creation and installation of technology-based companies in the different UFRJ's campuses and in the places where the UFRJ's campuses are established.

We did not contribute to this goal in 2022.

Objective III: Stimulate technical and scientific cooperation between instances of UFRJ and entities and companies that are part of PTEC/UFRJ, as agreed in the respective legal instruments

The Science Park exists to enhance the transformation of knowledge into innovation, connecting UFRJ to public, private and government organizations, contributing to the formation of a fair, democratic and egalitarian society.

This reason for existing is especially relevant for resident companies associated with the Park and, therefore, these companies are encouraged to know, interact and access the capabilities of the UFRJ. Therefore, aware of the existing challenges for establishing a university-company relationship, the Park works to facilitate and catalyze this process.

We maintain a daily channel of contact with companies, whether through physical or virtual means, always encouraging cooperation and, with that, we are always looking, internally, for opportunities, whether through research projects and/or services that UFRJ can offer for these organizations and/or contact with other environments, as necessary and requested. We talk to and encourage companies so that they can ask us for their needs and, with that, we can work both

ways and more actively in the search for technological solutions for companies.

In 2022, the companies invested in different cooperation actions with the university and disbursed R\$ 6.9 million in projects. In 2022, we also reached the amount of over R\$ 3 million in non-required cooperation between companies and UFRJ.

Objective IV: Stimulate the transfer of technologies developed at UFRJ to member entities and companies of the PTEC-UFRJ, as agreed in the respective legal instruments.

During the year 2022, the Science Park and Inova UFRJ interacted strongly in the maturation of new actions that stimulate technology transfer between universities and companies. We share interactions with companies and support Inova UFRJ in publicizing the Finep Public Notice for technology transfer between our partner organizations.

Objective V: Stimulate the entrepreneurial vision of undergraduate and postgraduate students at UFRJ.

The Entrepreneurship and Innovation Center was consolidated in 2022 as a large physical and virtual space that provided access to programs and activities offered for project development in a pleasant infrastructure adjusted for this function, which means high-standard connectivity, inspiring and comfortable environment.

During 2022, the Park led the organization of Inovateca's activities agenda. It should be noted that, in addition to university-related activities, we organize events at the Inovateca for companies and entities that support entrepreneurship and innovation, such as SEBRAE, FIRJAN, FINEP and FAPERJ. To realize an activity at Inovateca, the event needs to be linked to the theme of entrepreneurship and innovation.

- 74 events realized in 2022, considering activities promoted by the park team, by companies and external rental and by UFRJ;
- More than 120 hours of classes, with the UFRJ Integrated Entrepreneurship Disciplines that take place at Inovateca with the support of the Science Park, to stimulate the entrepreneurial vision of UFRJ undergraduate and postgraduate students.

The Park also organized an entrepreneurship program in 2022: Park Support Program for the Doutor Empreendedor Public Notice. In total, four entrepreneurs were impacted by this action. In 2022, the second group of the program had over 30 hours of activity and two new CNPJs were opened. The first group of the program had more than 48 hours of activities in 2022, with one of the participants already starting sales during the program.

Objective VI: Provide internship opportunities to UFRJ's students, as well as facilitate the insertion of students in the job market.

The UFRJ Science Park supports resident companies to include interns in their activities. This pillar is also recognized for university-enterprise cooperation. In this context, in 2022, 46 internship opportunities were generated for UFRJ's students in the Park environment.

Also in 2022, the junior company, Fluxo Consultancy, was hired to prepare the MOCP [Maintenance, Operation and Climate Control Plan] and to realize the building self-inspection in the PTEC's administration building.

Objective VII: To bring the UFRJ academic community closer to high-quality technology-based companies, creating opportunities for new cutting-edge research projects.

The Park's mission is to promote the connection of the academic community of the companies in search of new knowledge and innovation and, in this connection, the generation of research projects and technical-scientific cooperation is common. In 2022, more than R\$ 6.9 million were spent on university-company cooperation projects.

In 2022, we also started a new phase of Associate Program: the effective association. It is known that many companies interested in approaching the academic community of UFRJ do not consider the physical occupation in the University City and, understanding that the mission of the Park is much larger than the territorial dimension and real estate, an offer of university-business connection services was designed for non-resident organizations, the Associates. That new relationship modality allowed an expansion in the connection activity of the Park for a variety of companies looking for open innovation and academic partnerships in areas of excellence at UFRJ.

Throughout the year, the Park is continuously wanted by companies interested in learning about

the university's capabilities to solve their technological and even management challenges, as well as the researchers themselves. from UFRJ go to the Park in search of connections for the development of their projects. Of that In this way, we promote individual and collective interactions, organize events and guide researchers about the corporate approach.

Objective VIII: Encourage the emergence and development of technology-based enterprises and collaborate for their expansion in national and international markets.

In 2022, we worked in an integrated manner with other actors in the innovation ecosystem at UFRJ, such as the Coppe Business Incubator and Crios Macaé, some of the mechanisms responsible for offering support to the emergence and development of companies at an early stage of maturity at our university. We indicate entrepreneurs for incubation and share training and consulting in the areas of business management for our entrepreneurs.

In the mat of UFRJ's innovation, the Park's activities are more focused on companies that are already consolidated in the market, even if they are small and medium-sized. For smaller companies, in addition to connections with the university, the Park also provides business connections and opportunities for the development of these enterprises.

We can also highlight the Doctor Entrepreneur Program, an action to promote the innovative and technology-based entrepreneurship. The Park supported and developed, in 2022, this program, in its two editions, together with the UFRJ community.

Finally, it is worth remembering that the Park offers residents the opportunity to experience markets in China (TusPark), in the United States (Oklahoma County) and, within Brazil, in the ecosystems of Porto Digital-PE and Tecnopuc – RS through the soft landing program. In addition, the articulation area frequently receives internationalization actions offered by partners, such as: APEX, ANPROTEC, Sebrae, Firjan, Corpos Consulates and encourages its residents to participate.

Objective IX: Support initiatives that encourage an entrepreneurial vision in academic environments, social and business.

In addition to promoting more complex research projects developed at the UFRJ, in 2020 and 2021, the Park supported the different academic actions linked to the theme of entrepreneurship. Projects can be cited by the UFRJ community (students, professors and other members of UFRJ) for possible support from resident companies.

Beyond to formal support, it is also important to mention that the Park and its companies receive and support disciplines and events, which strengthens the exchange of knowledge and learning linked to innovation, allowing students to experience the reality of a corporate and innovative environment.

Objective X: Attract technology-based companies in cooperation to develop Research, Development and Innovation – RD&I projects in products and processes.

The UFRJ Science Park connects the Federal University of Rio de Janeiro to public, private and government organizations, enhancing the transformation of knowledge into innovation and contributing to the sustainable development of society.

During the year 2022, around 40 companies connected with the Park in search of interaction with UFRJ's innovation ecosystem, some of which have potential for occupation physics, others with potential for association and technical and scientific cooperation.

In the year of 2022, the UFRJ Science Park received seven new companies in its residency program - one medium-sized and six small-sized - totaling 28 residents. The new companies installed themselves

in shared buildings in the environment and, together with the other organizations, initiated interactions with the Federal University of Rio de Janeiro. In 2022, we achieved historic occupancy rates in our environment: we reached 66% in the CETIC building (in 2021 the occupancy was 47%) and 100% occupancy in the MP building (in 2021 it was 85%).

In August 2022, the Park started a new phase in the Associadas Program. This action allows the mechanism to act in the university-company connection beyond its residents and physical borders. The objective is to integrate organizations into the Park's innovation environment, without the need for installation, and to expand the construction of university-company relationship networks. In its first year, the program provided, at no cost to the parties, the articulation of the organizations with the capabilities of the UFRJ capable of solving the corporate technological challenges, the support of the PTEC - UFRJ in the organization of events and preferential participation in events organized by the PTEC - UFRJ and the inclusion in the UFRJ's innovation ecosystem. After twelve months of preliminary association, the institutions formalized their entry into the program, inaugurating a new phase of it, with expansion of the offering activities related to interactions and charging annuity. In December 2022, 12 institutions were approved and completed their membership registration, three of which large companies, three medium-sized institutions and seven small-sized.

Resident and associated companies of PTEC-UFRJ are encouraged to know, interact and access the capabilities of UFRJ. Aware of the existing challenges for establishing a university-company relationship, the Park acts to facilitate and catalyze this process, establishing direct and continuous channels for the promotion of university-company cooperation.

The Park also had a direct relationship with each of the 28 resident organizations and 12 associates to identify their needs and connect to UFRJ's capabilities. From these interactions, more than BRL 6.9 million were invested in projects with UFRJ in 2022.

Objetivo XI: Identify the scientific and technological demands of the regional community, which allow for interaction with UFRJ's courses and programs and the creation of projects at PTEC-UFRJ.

We did not contribute to this goal in 2022.

Objective XII: Support partnerships between UFRJ and public organizations and private institutions involved with research, technological innovation and initiatives focused on social technology; It is encourage the production of scientific and technological knowledge that values sustainable development in all its dimensions.

We did not contribute to this goal in 2022.

Objective XIII: Stimulate the production of scientific and technological knowledge that values sustainable development in all its dimensions.

We did not contribute to this goal in 2022.

MATERIAL THEME TABLE

Material theme list - GRI 102-47			Limits - GRI 102-46 e 103-1	
Material Theme	GRI Aspects	Reported indicators	Main audiences impacted and suggested audienc	Material aspect inside/ outside the organization
Business-university integration	***	Own indicators	Resident Companies, UFRJ's Special Laboratories in the Park, Board of Directors, COPPE Business Incubator, UFRJ's Laboratories and UFRJ as a whole.	Inside and outside the organization
Transparency and integrity	***	Own indicators	All stakeholders in the Park	Inside and outside the organization
Diversity of economic sectors and size of companies	***	Own indicators	Resident Companies, UFRJ's Special Laboratories in the Park, Board of Directors, UFRJ Laboratories and UFRJ as a whole.	Inside and outside the organization
Interaction between companies of various sizes	***	Own indicators	Resident Companies, UFRJ's Special Laboratories in the Park, Board of Directors, UFRJ Laboratories and UFRJ as a whole..	Inside and outside the organization
Jobs	Job, Training and Education	GRI 401-1, 404-1	Functional Management of the Park	Inside the organization
Quality of life in the Park	***	Own indicators	Resident Companies, UFRJ's Special Laboratories in the Park, Board of Directors, UFRJ Laboratories and UFRJ as a whole..	Inside and outside the organization
People engagement	***	Own indicators	Resident Companies, UFRJ's Special Laboratories in the Park, Board of Directors, UFRJ Laboratories and UFRJ as a whole..	Inside and outside the organization
Disposal of effluents and waste	Effluents and Waste	GRI 306-2	Resident Companies, UFRJ's Special Laboratories in the Park, Functional Management of the Park	Inside the organization
Mobility	***	Own indicators	Resident Companies, UFRJ's Special Laboratories in the Park, Board of Directors, UFRJ Laboratories and UFRJ as a whole.	Inside and outside the organization

6

Summary of GRI Content

SUMMARY OF GRI CONTENT

GRI Standard (Sustainability Report oh the UFRJ Science Park - 2019) (GRI 102-55)			
GRI Standards	Item	Page	Omission
GRI 102: General Disclosure	GRI 101: FUNDAMENTALS		
	Organization Profile		
	102-1 Name of the Organization	UFRJ Science Park	
	102-2 Main activities, brands, products and services		
	a. Activities of the Organization	P. 13	
	b. Main activities, brands, products and services	P. 14	
	102-3 Location of the organization's headquarters	The Park's headquarter is located at University City on Aloísio Teixeira Street, 278 - Building 3 - Rio de Janeiro, Ilha do Fundão RJ. Zip Code: 21941-850	
	102-4 Location of operations	The Park's operations take place in Brazil	
	102-5 Ownership control and legal form of the organization	The Park is a UFRJ project without legal personality, linked directly 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 located in University City	

<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	a.ii. Sectors covered	P. 35	
	a.iii. Types of customers and beneficiaries	Startups, small and medium-sized companies, research centers for large companies, UFRJ's laboratory and UFRJ as a whole	
	102-7 Size of the organizations		
	a.i. Total number of the employees	P. 17	
	a.ii. Total number of Operations	We do not monitor this information	
	a.iii. Net Revenue	P. 24	
	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 supplied or provided	We do not monitor this information	
	102-8 Information about employees and other workers		
	a. Total number of employees per employment contract, by gender	P. 18	
	b. Total number of employees per employment contract, by region	P. 18	
	c. Total number of employees by type of employment, by gender	P. 19	
	d. Inform whether a significant portion of the activities is realized by workers who are not employees (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 of the numbers presented in the above indicators	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 2021, the Management of Administration and Finance launched a questionnaire to be completed by the areas responsible for controlling and monitoring the above data.	
	102-9 Organization's supply chain	P. 46	
	102-10 Significant changes occurred in the organization or in its supply chain		
	a.i. Changes in operations or in location	In September 2019, the Park was managed by a new board.	
	a.ii. Changes in the structure of share capital and other capital formation, maintenance, alteration activities	Does not proceed	There were no changes in the structure of the share capital and other activities of formation, maintenance, alteration of capital
	a.iii. Changes in the location of suppliers, supply chain structure, or supplier relationships, including the selection and exclusion process.	P. 46	
	102-11 The precautionary approach or principle	The Parque Verde Program is realized to reduce the impacts of our operations on the environment. P. 29,30,31,32	
	102-12 Externally developed initiatives	Does not proceed	The Park does not adhere to any externally developed charter, principle or other initiatives, however (write about the Park's alignment on the SDGs)
	102-13 Participation in associations	P. 48	
	Strategy		
	102-14 Statement by the organization's most senior decision-maker	P. 2, 3, 4, 5	
	Ethics and integrity		
	102-16 Values, principles, standards and norms of behavior	P. 13	
	Governance		

	102-18 Governance Structure		
	a. Governance structure of the organization, including Committee under the highest governance bod	P. 15	
	b. Committees responsible for making decisions on economic, environmental and social topics	Does Not proceed	The Park still does not have committees responsible for making decisions on economic, environmental and social topics
	Engagement of the stakeholders		
	102-40 List of stakeholder groups	P. 7	
	102-41 Collective bargaining agreements	Does Not proceed	The labor relations of employees in the Park are not supported by collective bargaining.
	102-42 Identification and selection of stakeholders	P. 6, 7	
	102-43 Approach adopted by the organization to involve stakeholders	P. 7	
	102-44 Main topics and concerns raised - Reporting practice		
	a.i. How the organization has responded to these issues and concerns, including through reporting	P. 7	
	a.ii. Stakeholder groups that have raised each of the topics and concerns mentioned	P. 7	
	reporting practices		
	102-45 Entities included in the consolidated financial statements	P. 81, 82, 83	
	102-46 Definition of report content and boundaries of material topics		

	a. Explanation of the process for defining report content and the boundaries of topics	P. 93	
	b. Explanation of how the organization has applied the Principles for definition of Report Content	P. 6, 7, 8, 9, 10, 93	
	102-47 List of material topics	P. 9	
	102-48 Information reformulations	P. 60	
	102-49 Report changes	There was no significant change compared to the periods covered by previous reports with regard to the scope and boundaries of aspects	
	102-50 Reporting period	01/01/2022 to 31/12/2022	
	102-51 Most recent previous report date	2020/21 report was released in July 2022	
	102-52 Reporting Cycle	Yearly. Since 2014, the GRI-G4 guidelines have been observed for preparing the Sustainability Report.	
	102-53 Contact for questions about the report	sustentabilidade@parque.ufrj.br	
	102-54 Declaration of preparation of the report in accordance with GRI Standards	" This report was prepared in accordance with the GRI Standards: Essential option "	
	102-55 Sumary of GRI Content	P. 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107	
	102-56 External verification	Does not proceed	An external verification of this report was not carried out.
Material themes			
Business-University Integration			

GRI 103: Management approach	103-1 Explanation of materiality and its limit	P. 37, 38, 39, 40, 41, 42, 43	
	103-2 Management approach and its components		The park does not have a specific policy to manage the theme specifically, however, the Park's 2016-2045 strategic planning determines its vision for 2045 and the objectives to be achieved by 2020.
	103-3 Evaluation of the management approach		The Park is building instruments to evaluate the effectiveness and results of its management method.
	Amount contracted by companies in the Park in terms of cooperation with UFRJ	P. 41, 42	
	Amount disbursed by companies in the Park in terms of cooperation with UFRJ	P. 41, 42	
	Amount contracted by companies in the Park in terms of cooperation with UFRJ per decania	P. 42	
	Number of events promoted within the academy-company scope.	P. 38	
	Level of relationship established between companies and institutions in the UFRJ innovation ecosystem	P. 40	
	Diversity of economic sectors and size of companies		
GRI 103: Abordagem de gestão	103-1 Explanation of materiality and its limit	P. 34, 35	
	103-2 Management approach and its components		The park does not have a specific policy to manage the theme specifically, however, the Park's 2016-2045 strategic planning determines its vision for 2045 and the objectives to be achieved by 2023.
	103-3 Evaluation of the management approach		The park does not have a specific policy to manage the theme specifically, however, the Park's 2016-2045 strategic planning determines its vision for 2045 and the objectives to be achieved by 2020.

	Total number of companies by sector	P. 34	
	Total number of companies by size	P. 34	
	Interaction between companies of various sizes		
	103-1 Explanation of materiality and its limit	P. 40	
GRI 103: Management approach	103-2 Management approach and its components		The park does not have a specific policy to manage the theme specifically, however, the Park's 2016-2045 strategic planning determines its vision for 2045 and the objectives to be achieved by 2020.
	103-3 Evaluation of the management approach		The park does not have a specific policy to manage the theme specifically, however, the Park's 2016-2045 strategic planning determines its vision for 2045 and the objectives to be achieved by 2020.
	Number of intellectual protection mechanisms developed within the scope of partnerships between resident companies.		
	Number of strong interactions between companies in the Park.	P. 40	
	Number of weak interactions between companies in the Park.	P. 40	
	Number of projects developed between resident companies and Petrobras.	P. 40	
	Number of events promoted within the scope of resident companies.	P. 38, 39	
	Mobility		

	GRI 103: Management approach	103-1 Explanation of materiality and its limit	To facilitate the movement of people between the Park, University City and its connections with the city of Rio de Janeiro, generating more comfort for the community Park, there is free transportation for people to circulate in Cidade Universitária: bus lines for travel within Cidade Universitária and intercampi (departing from Cidade Universitária to the other UFRJ units and strategic points at the end of classes at night), provided by the City Hall of UFRJ’s University City.	
		103-2 Management approach and its components	The Park does not have a mobility policy, but it has actions that deal with the theme.	
		103-3 Evaluation of the management approach	The Park does not have a mobility policy, but it has actions that deal with the theme.	
	Transparency and Integrity			
		103-1 Explanation of materiality and its limit	P. 32	
	GRI 103: Abordagem de gestão	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 Project Coordination Foundation, 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 Project Coordination Foundation, research and Technological Studies – COPPETEC, bearing in mind that the financial and operational management of the Park receives support from the Foundation.	
	GRI 201: economic performance	201-1 Direct economic value generated and distributed	P. 22, 23, 24, 25, 26, 27, 28, 29	

	Waste	
GRI 103: Management approach	103-1 Explanation of materiality and its limit	P. 29, 30, 31, 32
	103-2 Management approach and its components	P. 29, 30, 31, 32
	103-3 Evaluation of the management approach	P. 29, 30, 31, 32
GRI 306: Effluents and waste	306-2 Total weight of waste, broken down by type and disposal method	P. 31
	Jobs	
GRI 103: Management approach	103-1 Explanation of materiality and its limit	P. 16, 17, 18, 19, 20, 21, 22
	103-2 Management approach and its components	P. 16, 17, 18, 19, 20, 21, 22
	103-3 Evaluation of the management approach	P. 16, 17, 18, 19, 20, 21, 22
GRI 401: Jobs	401-1 New employee hires and employee turnover	P. 19
GRI 404: Training and education	404-1 Average hours of training per year per employee	P. 20, 21, 22
	Quality of Life in the Park	
GRI 103: Management approach	103-1 Explanation of materiality and its limit	P. 20, 21, 22, 29
	103-2 Management approach and its components	P. 20, 21, 22, 29
	103-3 Evaluation of the management approach	P. 20, 21, 22, 29

GRI 304: Biodiversity	304-3 Habitats protected or restored	
	a. size and location of all areas of protected or restored habitats and whether the success of the restoration measures has been approved by independent external experts	P. 29
	b. If there are partnerships with third parties to protect or restore areas of different habitats	P. 29
	c. Status of each area based on its condition at the end of the reporting period	
	d. Standards, methodology and assumptions used	
	Number of actions developed by the Park administration in terms of quality of life or well-being.	P. 20, 21, 22, 29
	People engagement	
GRI 103: Management approach	103-1 Explanation of materiality and its limit	P. 20, 21, 22
	103-2 Management approach and its components	P. 20, 21, 22
	103-3 Evaluation of the management approach	P. 20, 21, 22
	Number of actions developed by the Park administration in terms of people engagement.	P. 20, 21, 22

Park's Team







TECHNICAL SHEET
2022 UFRJ Science Park Sustainability Report 2022
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FINEP - Studies And Projects Financial Supporter

SEBRAE - Brazilian Support Service For Micro And Small Companies

FAPERJ - Research Support Foundation of the State of Rio de Janeiro

ANPROTEC - National Association of Promoting Entities of ventures

Innovators

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



Sustainability
report
2022