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Museu Nacional/UFRJ Annual Report 2022

Museu Nacional/UFRJ

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photo: Fábio Caffé - SGCOMS/UFRJ

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MISSION

To discover and interpret natural phenomena and human cultures, disseminating knowledge based on research, collection organization, training of human resources, and science education; as well as acting to preserve the scientific, historical, natural, and cultural heritage for the benefit of society.

DIRECTOR'S MESSAGE

It is always interesting to write a message about a year that has passed in a year that has already begun. There is no way not to be influenced by what has happened in recent months, especially with the critical change in the federal government after the October 2022 elections. Right at the beginning of 2023, representatives of the new government, including the President of the country, approached the Museum with excellent prospects for reconstruction efforts (more in next year's report).

During the year that ended (2022), the difficulties generally remained the same. Concerning the Paço de São Cristóvão, the challenges with the Instituto do Patrimônio Histórico e Artístico Nacional (IPHAN) continued, which did not prevent the reconstruction project from advancing, despite unavoidable delays.

The development of the Campus de Pesquisa e Ensino Museu Nacional/UFRJ (CPEMN) progressed slowly but for different reasons... It is with great sadness that I must report, also as a historical testimony, that we are still far from achieving academic normality. The delay results from the problematic management in the past post-fire years, involving the construction of the emergency modules (an emergency that has yet to be resolved after almost five years). The combination of misguided coordination and inadequate procedures on the part of the University Technical Office, the ETU, meant that in March, we were informed that these modules (which decreased from six to three) were being built with no provision for the electrical and hydraulic parts. That is, a particular innovation on the part of those responsible: instead of concrete skeletons, which sprouted in Fundão, we were now facing the possibility of container skeletons! With a fundamental change in management, achieved at a significant cost (as we already mentioned in the 2021 report, published in 2022), we are moving forward, even though we do not have a clear estimate of when these modules can be occupied definitively.

The other infrastructure projects, although slow, have advanced. The forecast for completing the basic structure is the end of 2023. The funds to achieve this goal were secured by action from the Museum.

Another unhappy point was the conclusion that the resources of R\$ 20 million promised by the Legislative Assembly of the State of Rio de Janeiro (ALERJ) were not deposited as promised and are in danger of not materializing. In addition to the disappointment, if this situation is confirmed, we will have to find a new sponsor, and at least R\$ 200 million will be missing to complete the reconstruction of the Museum.

Despite the far-from-ideal conditions, the institution's academic activities have been fine. The Museum has six graduate programs, which received 113 new students (master's and doctorate levels). 46 master's dissertations and 30 doctoral theses were defended, in addition to specialization papers and other undergraduate accomplishments.

Research was again a highlight of the Museum this past year. Several new projects could be started,

emphasizing the approval of the National Institute of Science and Technology (INCT) program focused on paleontology (INCT PALEOVERT), which researchers from the Museum coordinate. The funding for this project was not made available in 2022, but this project that brings together



researchers from all over the country will be a fundamental advance for this scientific field and, above all, will help in the recovery of the institution's scientific collection.

Speaking about collections, the RECOMPOE campaign has been updated, and several new pieces were donated. Among the most important ones is the Tapirapé indigenous mask that came from Mato Grosso, two groupers (fish) from the Mero Institute (Curitiba), and two mineral specimens (Uvarovite and Charoite) from Russia, in addition to fossils and various archaeological artifacts.

The Museu organized or participated in several events for the public. One of the main ones was the Berthasaura (a recently described dinosaur) and Luzia exhibit, which was based on an original dinosaur fossil and the replica of the oldest skull that records human occupation in Brazil, organized at the Madureira Park in northern Rio de Janeiro. This project was a partnership between the Secretary of Culture of the Municipality of Rio de Janeiro and the Museu Nacional Lives Project, which worked well.

Another highlight was the inauguration of the exhibit "What Whale Is This?" during the Museum's 204th anniversary celebrations, held at Cidade das Artes. This partnership was very productive, and we are all happy with the result. In the future, the proposal is to mount this sperm whale model at the entrance of the Paço de São Cristóvão as part of the institution's new exhibits.

The most prominent feature of the year was the project that built the first Time Capsule of the Museu Nacional/UFRJ. The close partnership with the National Institute of Technology (INT) made it possible at the end of the year, still during the celebrations of the bicentennial of the country's independence, to deposit a time capsule with various objects in front of the Museum's facade. Children's participation was the highlight, and we hope some of them will be present when this capsule is opened 50 years from now (in 2072).

I want to conclude this report with the hope that the new situation in the country will help the Museum in its reconstruction. The general feeling is that we are on the right path.

Alexander W. A. Kellner Director

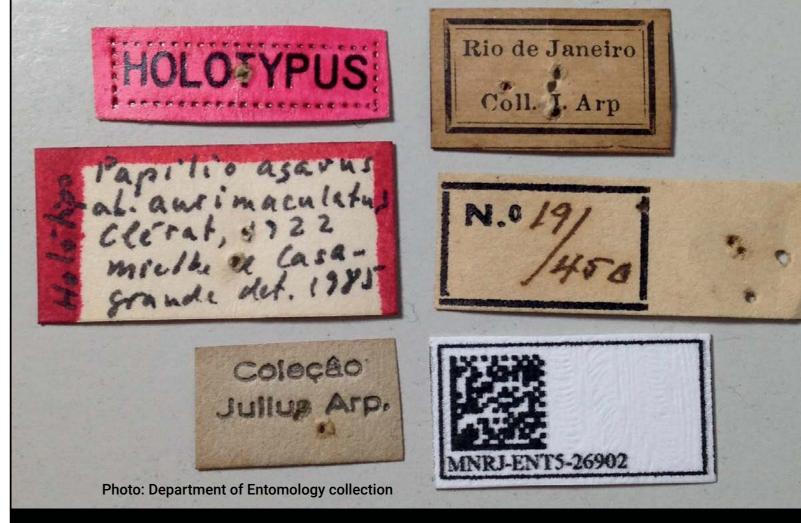


Photo caption: Holotype and corresponding labels from the Entomology collection of the Museu Nacional/UFRJ, MCTI/SiB-Br, coordinated by Professor Cátia Patiu

SCIENCE IN FOCUS

ANTHROPOLOGY

The Department of Anthropology (DA) also distinguished by being a program of combines three graduate programs: PP- national scope, with several lines of re-GAS, PPGArg, and PROFLLIND. The Gra-search involving archaeobotany, Amazoduate Program in Social Anthropology nian archaeology, historical archaeology, (PPGAS) was founded in 1968. It is the archaeology of the ancient world, bioarfirst program in social anthropology cre- cheology, study of populations of hunterated in Brazil and of national scope, both -gathers and fishermen, and iconography from the point of view of its research of the Amerindian world. Today, it brings as well as the origin of its students. To- together 11 permanent professors and day, PPGAS has 15 active teachers and two volunteer collaborators. There are 26 four volunteer collaborators. There are master's and 35 doctoral students. It has 41 master's and 147 doctoral students. ten partnerships with national and two In 2022, it had four partnerships with with foreign institutions. In 2022, it had foreign institutions and 47 government- 14 projects financed by funding agencies -funded projects. Its intellectual produc- and three extension projects. The protion was ten articles published in natio- gram has published 15 articles in national nal and four in international scientific scientific journals and 40 in international journals. The program received an hono- journals. Finally, the Graduate Program rable mention from Capes for the docto- in Linguistics and Indigenous Languages ral thesis "Palm Oil, Person and House of (PROFLLIND), founded in 2016, has indi-Mayombe" by Rosa Cavalcanti Ribas Vieira, supervised by Prof. Federico Neiburg. The Graduate Program in Archaeology (PPGArg) was founded in 2006, and it is and reflect on cultural and linguistic heri-

genous and non-indigenous students. Its purpose is to enable them to develop specific skills in using indigenous languages

tage. Currently, 69 students are in the coutations have been defended by students in rse, including 55 indigenous and 14 non- the program. Its production in 2022 was -indigenous students. To date, 40 disser- 13 articles published in journals.



The Department of Botany (DB) has 13 pro- Water Quality (Phycology Laboratory), and the Graduate Program in Botany (PPGBot),

fessors, of whom 12 are active. One is on Taxonomy and Phylogeny of Angiosperms unpaid leave, four CNPq researchers, four (Taxonomy Laboratories), belonging to biologists, 11 mid-level technicians, one four research lines of the PPGBot (Embryotechnologist (Collections/herbarium Man- phyte Morphology; Ethnobotany; Taxonoager), one in educational matters, an ad- my and Ecology of Cryptogams; Diversity ministrative technician working in the Grad- and Evolution of Angiosperms). The staff uate Program, a gardener, 39 students from members maintained partnerships with ten national and eight foreign institutions 20 scientific initiation students, and three in nine research projects financed by four junior scientific initiation students. Pro- development agencies. The research staff fessors and students are divided into four published 22 articles, 21 in internationstudy groups: Plant Morphology and Re- al journals and one in national journals, a production (Laboratories of Reproductive book organized and published by two pro-Biology, Anatomy and Palynology); Plants fessors with co-authorship by most of the for Use by Traditional Communities (Ethnoprofessors of the department and external botany Laboratory); Algae Biodiversity and collaborators. The staff members acted in

ticipated significantly in symposiums, coning on dating and photographing botanical gresses, conferences, and round tables. material, and on exchanges, donations, Four students also obtained Honorable and loans. The DB started to formalize the Mentions in the Scientific, Technological, online palynological collection (RCPOL) Artistic, and Cultural Initiation Journey (JIC-housed in the Palynology laboratory.

four projects, extension activities, and par- TAC). The Herbarium (R) continued work-

The Department of Entomology (DE) had more than 50 students and collaborators a staff of nine professors in early 2022. of different training levels, from essential However, Professor Maria Cleide de Menscientific initiation to postdoctoral fellows. donça, who works with springtails (Col- The professors contributed significantly lembola), retired in May. These professors to the graduate school of zoology of the carried out various activities, including tea- MN; they were responsible for 15 graduaching, scientific research, collections curate courses, worked as advisers for M.Sc. tion, extension, and administration. Five and D.Sc. students, and supervised postof them were CNPg research productivity doctoral fellows. Various insect research fellows in 2022. The professors also ser- lines are developed in the DE, focusing on ved as editors or ad hoc reviewers for in-systematics, phylogeny, morphology, moleternational and national scientific journals. cular biology, biogeography, conservation, Six technicians worked in the DE in 2022: they carried out curatorial and management activities related to collections, rese- has been working hard to rebuild the scien-

natural history, and cultural entomology. Since the Museum fire in 2018, the team arch, and insect collecting. The DE housed tific collections and laboratories. In 2022, papers, including the description of 19 exciting book on the "Chronicles of a Biospecies new to science and communications in congresses and book chapters. For instance, Professor Márcia Couri published a chapter in a book on the diver- lestone of 500 official meetings of its adsity of flies (Diptera) from Madagascar. ministrative board.

the staff published about 30 scientific Professor Valéria Cid Maia published an logist during fieldwork." Staff members attended symposia, lectures, and round tables. The DE celebrated 2022, the mi-



GEOLOGY AND PALEONTOLOGY

The Department of Geology and Paleonto- nal and international universities and mu-23 students of the Postgraduate Program in Geosciences, ten students from the Specialization Course in Quaternary Geology, and 26 scientific initiation students, distri-

logy (DGP) has 12 active professors, incluseums through cooperation agreements ding seven National Research Council re- in Geology, Paleontology, Meteoritics, 3D searchers, four higher-level technicians, 13 Technology, Reference Collections, and mid-level reference collection technicians, Global Changes and Environment. Many of these partnerships resulted in joint publications with researchers from Argentina, South Africa, Mozambique, the United States, Canada, England, the European Union, Iran, buted in the sectors of Sedimentary and China, and Brazilian institutions. Before the Environmental Geology, Meteoritics, Mine-fire, the reference collections had approralogy, Paleopalynology and Paleobotany, ximately 35,000 cataloged specimens, Paleovertebrates, Paleoinvertebrates, and of which about 15,000 were recovered or Petrography. It partners with several natio- are being restored. Traditionally, through

exhibits and lectures in the areas of Me- research centers, museums, and bienteoritics, Paleontology, Paleopalynology, Mineralogy, Petrography, Sedimentary / Environmental Geology, and Marine - Coastal Geology in partnership with univer- journals.

its technical-scientific staff, it promotes sities, high schools, class associations, nials throughout Brazil. The members of the department published 59 articles, 41 in international and 18 in national scientific



INVERTEBRATES

three FAPERJ State Scientists and Young Scientist), five collection technicians, a bioa volunteer collaborator, four post-docto-

The Department of Invertebrates (DI) is faculty, which included four undergraduaa center for research, training, and qua- te students, four with master's, and one lification of researchers and technicians with the doctorate degree, contributed to in systematics, biology, and ecology of the undergraduate course at the Instituinvertebrates and for disseminating the te of Biology at UFRJ and seven national knowledge generated to the scientific and one international graduate programs. community and society. It has nine pro- Participated in outreach activities, particufessors (two CNPq productivity fellows, larly the workshop "Animals in Museums: What are they for?" for public school students and teacher training: "Museum and logist, a collections manager, a secretary, School: a conversation about collections." Published 19 scientific articles in 14 interral researchers, 21 graduate students, two national journals, one Brazilian journal, and higher-level technical support scholarship two books, describing at least 30 species holders, and 11 scientific initiation un- and chemical compounds new to science. dergraduate students. The departmental Obtained funding for 12 research projects zed an international symposium. Also no- passed since the interruption of the speteworthy is the ongoing rebuilding of the cialized curatorship of the Cnidaria col-Arachnology and Malacology collections, lection (corals, jellyfish, and anemones) severely affected by the 2018 fire, with the and the 30 years of research and personaddition of, respectively, 708 lots (4,177 nel training in this subject, due to the two specimens) and 2,146 lots (about 20,000 vacancies generated by retirements, which specimens), and the continuous growth of remain unfilled.

through four funding agencies and organi- other collections. Finally, three years have



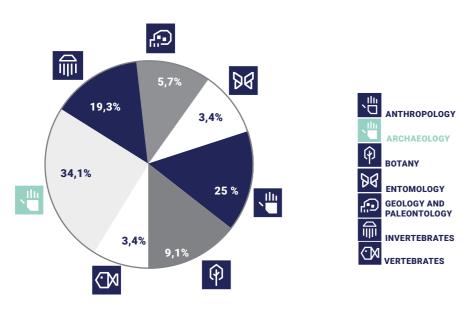
The Department of Vertebrates (DV) has meetings and symposia. They conducted 14 professors (five of them are CNPg scientific expeditions to various locaproductivity scholarship holders), a collection manager, three biologists, four taxidermists, five technicians associated with the department's collections, and Department of Vertebrates at the Museu four postdoctoral researchers. Its sta- Nacional and the Museum für Naturkunff supervised 56 students, including 19 de in Berlin. The department has also deundergraduate and 37 graduate studen- veloped a new exhibit at the Museu Nats. The department also has more than cional. A new climate-control system for 15 associated researchers. Researchers the department's collections was instalfrom the department published 25 arti- led in 2022, and electrical installations are cles in indexed journals and a book and currently under review in the Department of gave approximately ten presentations at Vertebrates building.

tions in Southeast and Central Brazil. In 2022, a workshop on artistic taxidermy was held, featuring taxidermists from the

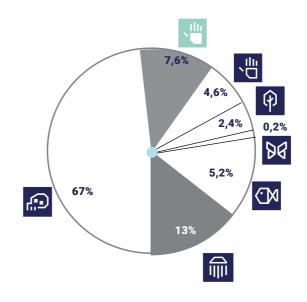
KNOWLEDGE AREAS	PROJECTS	GRANTS (R\$)
Anthropology	22	542,321.82
Archaeology	30	898,184.24
Botany	8	278,405.00
Entomology	3	25, 200.00
Geology and Paleontology	5	7,906,041.64
Invertebrates	17	1,527,970.00
Vertebrates	3	615,627.08
Total	88	11,793,749.78

Source: Departments of the Museu Nacional.

PROJECTS



GRANTS





EVENTS

Symposium on Diversity and evolution in deep-sea Crustaceans

Date: 07/06/2022

Location: XI Congresso Brasileiro sobre Crustáceos e The Crustacean Society (TCS) Summer Meeting, Santos, SP

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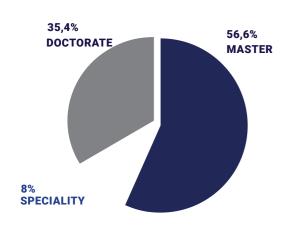


Archaelogical monitoring project at the São Cristovão

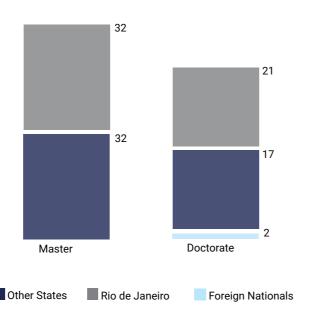
GRADUATE EDUCATION

Postgraduate training at the Museu Nacional began in 1968 with the implementation of the Graduate Program in Social Anthropology (PPGAS). Over the years, other programs were established, diversifying their areas of knowledge. Since then, these programs have played a fundamental role in training human resources and producing knowledge in Natural and Anthropological Sciences. The Museu Nacional offers four stricto sensu graduate programs, with master's and doctoral degrees: Social Anthropology (PPGAS), Botany (PPGBot), Zoology (PPGZoo), and Archeology (PPGArg), and one with a master's degree: Geosciences (PPGeo), in addition to the Professional Master's Course in Linguistics and Indigenous Languages (PROFLLIND), a pioneering initiative in the country. In addition to these programs, the institution also offers three lato sensu graduate courses (specialization): Quaternary Geology and Geological Heritage (GeoQuater), Specialization Course in Brazilian Indigenous Languages (CELIB), and Specialization Course in Generative Grammar and Studies of Cognition (CEGEC). The programs have maintained an "Excellent" evaluation by the Coordination for the Improvement of Higher Education Personnel (CAPES). PPGAS and PPGZoo have concepts "seven" (the maximum) and "six", which means the performance of international excellence. The PPGBot and PPGArg programs had their concepts raised to "five" in the last evaluation. All courses have a highly qualified and experienced faculty, composed of renowned professors and researchers, with national and international recognition and committed to consolidating the nation's cultural, social, and economic development. They include the offer of up-to-date and relevant disciplines to train qualified professionals. In 2022, the courses received a total of 113 students: 64 for the master's (13 in PPGAS, five in PPGArg, nine in PP-GBot, 15 in PROFLLIND, four in PPGeo, and 18 in PPGZoo), 40 for the doctorate (20 in PPGAS, five in PPGArg, three in PPGBot, four in PPGZoo), plus nine in Geoquater. In the same year, 46 master's dissertations, 30 doctoral theses, and five specialization completion papers were defended. Postgraduate education at the Museu Nacional is widely recognized for the excellence of its academic training and the importance of the research conducted, significantly enhancing the advancement of knowledge in its various areas of activity. Its courses play a crucial role in strengthening the academic and scientific community, contributing considerably to the development of teaching and research.

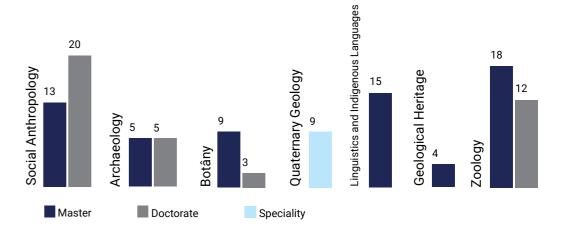
ADMISSION TO GRADUATE EDUCATION



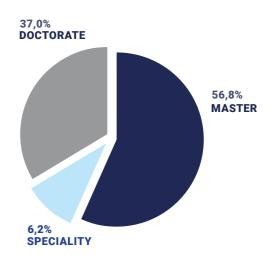
NEW STUDENTS FROM RIO DE JANEIRO, OTHER STATES, AND FOREIGN NATIONALS



NEW STUDENTS PER PROGRAM



THESIS OR DISSERTATION DEFENSES



SCIENTIFIC PRODUCTION

Social Anthropology 181 Archaeology 75 Botany Quaternary Geology Linguistics and Indigenous Languages Geological Heritage Zoology

EVENTS

Brazil LAB Colloquium Seminar, Spring 2022

Art effects: image, agency, and ritual in

Amazonia

Date: 25/02/2022 Location: Online

I Brazilian Symposium on Archaeology

Date: 24 to 26/05/2022 Location: Online

Symposium on Diversity and evolution in deep-sea Crustaceans

Date: 07/06/2022

Location: XI Congresso Brasileiro sobre Crustáceos and The Crustacean Society (TCS) Summer Meeting, Santos, SP

Amerindian Innovations Seminar

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Date: 20 and 21/10/2022 Location: IFCS/UFRJ

Museu Nacional Historical Archaeology Week

Date: 18 to 21/10/2022

Location: Central Library, Museu Nacional

Botanical Garden

PPGZoo 50th Anniversary Jubilee

Date: 29 and 30/11/2022

Location: Central Library, Museu Nacional

Botanical Garden

PPGBot 50th Anniversary Jubilee

Date: 12/12/2022

Location: Central Library, Museu Nacional

Botanical Garden

Diogo Vasconcellos - MN/UFRJ









SCIENTIFIC COLLECTIONS

Currently, the Museu Nacional (MN) has 35 collections or formal collections with different types and scopes of metadata (photos, sounds, fabrics) associated with each cataloged item. Of this total, 30 are scientific collections linked to the unit's six departments: Anthropology (DA) - five collections; Botany (DB) - one collection; Entomology (DE) - one collection; Geology and Paleontology (DGP) - ten collections; Invertebrates (DI) - eight collections, and Vertebrates (DV) - five collections. There are also collections of another kind, such as the didactic collection of the Teaching Assistance Section (SAE), the archive collection of the Memory and Archive Section (SEMEAR), and the historical-artistic collection of the Museum Section (SEMU). As an academic unit of UFRJ, it has two libraries with highly important bibliographic collections: the Central Library, with more than 150 years of existence and about 450,000 indexed volumes in the areas of Natural History and Anthropology, and the Francisca Keller Library, linked to the Graduate Program in Social Anthropology of the DA, focusing on the area of Social Anthropology. In addition to these collections, it formerly had two safes containing 236 historical objects of different origins that were lost entirely in the 2018 fire. These safes were inventoried and included in historical records, but they will no longer be part of the annual reports. Four years after the disaster, the museum has been working directly to rebuild its collections. At the end of 2021, the "Campaign Recompose" was launched, calling on museums, research institutions, and private collectors around the world to donate original material: minerals, taxidermied animals, fossils, archaeological specimens, and artifacts from African and indigenous cultures. In 2022, 32 donations were registered, including Natural History items such as fossils; large animals such as mammals and fish for taxidermy; mollusks (shells); insects; minerals; and historical, ethnological, and archaeological artifacts. Donations of pre-Columbian Nazca ceramics, vases and urns from ancient Greece and the Roman period, indigenous utensils, and ornaments were also donated. The acquisition of this material follows a qualification and registration protocol, with an entry number by the Central Laboratory for Conservation and Restoration (LCCR) team. After that, the material is appropriately listed by the curatorial teams responsible for the collections. The evolution of scientific collections, the result of research by professors and students, was marked by the return of face-to-face activities, which increased collections and motivation in curatorial activities. Highlights in adding items for the collections of different departments: Linguistics at the Documentation Center for Indigenous Languages (CELIN) - 3,742; Archaeological - 1,950; Ethnographic - 886; Francisca Keller Library - 2,747; Entomological - 11,219; Herbarium - 4,213; Malacological - 2,146; Arachnological - 708; Mineralogy - 209; Mammals - 1,100 + 280 tissue specimens; Ichthyological - 762 + 529 tissue specimens (Table). As a result of the FAPERJ project "Restructuring of the Museu Nacional/UFRJ through its biological collections: digitization, curation and management of the metadata flow and its availability on platforms open to society," in progress, most databases of the zoological collections were customized to the Darwin-core standard. This standard is the first step in transferring data from zoological collections to the Specify Collections management program (https://www.specifysoftware.org/). Another objective is the organization of an image database and digitizing (photographs) of the standard material of zoological collections (Figure 1). The Museu Nacional is estimated to have around 19,000 records of type material in its zoological collections. For this purpose, image capture protocols were developed for different equipment existing in the MN. And, as a more comprehensive stage, projects and planning are being carried out for modernization of the information technology (IT) structure: connectivity, processing, and storage of collection data, which supported strategic actions in subsequent years. After rescuing the collections affected by the fire, it was possible to gather pieces from seven collections: Archaeological, Bioanthropological, Ethnological, Geological, Historical, Paleontological, and Zoological, totaling thousands of specimens. The next step in this process is the development of an inventory of these collections, which is being carried out by teams from the Anthropology, Geology and Paleontology departments, with support from the LCCR, and monitored by coordination of the curators of each collection. The inventory is both quantitative and qualitative. In this process, the pieces undergo a diagnosis of the state of conservation when the degree of alteration

and weaknesses are evaluated, which aids in planning of future treatments and interventions. Throughout 2022, most archaeological pieces of ceramic material from the Balbino de Freitas Collection, listed by the National Historical and Artistic Heritage Institute (IPHAN), were inventoried. The IPHAN team, through technical visits to the Archeology

Rescue Reserve, has been monitoring these activities. There is no forecast for the completion of the inventory of rescued collections due to the large amount of material to be analyzed/treated and the low number of servers available. Still, it is estimated that the collections will be partially or completely inventoried within the next ten years.

ANTHROPOLOGY

COLLECTION	REGISTATIONS (units or batches)	ENTRIES (repeat item number or estimate for registering in batches) *	BACKLOG **	TYPE MATERIAL REGISTRATIONS	ACCUMULATED TYPE MATERIAL	OBSERVATION
ARCHAEOBOTANY	0	0	40	0	0	
ARCHAEOLOGY	1,950	11,207	451,071	Na	Na	To calculate the backlog: 399,199 from 2021, decreasing the items listed in 2022 (1,950) and adding the backlog added in 2022 (53,822) = 451,071 items. If an average of 2,000 listed items per year is maintained, the current backlog can be cleared in 225 years.
BIOLOGICAL ANTHROPOLOGY	0	0	4 boxes	0	0	It is still not possible to identify registered material among the recovered remnants.
ETHNOGRAPHY	886	886	0	0	0	In 2022, SEE managed to clear its backlog to zero while preparing to receive 1,200 items, nearly doubling the collection in 2023.
FRANCISCA KELLER LIBRARY	2,747	2,747	0	0	0	
INDIGENOUS LANGUAGE DOCUMENTATION CENTER (CELIN)	3,742	3,742	80	0	0	



COLLECTION	REGISTATIONS (units or batches)	ENTRIES (repeat item number or estimate for registering in batches) *	BACKLOG **	TYPE MATERIAL REGISTRATIONS	ACCUMULATED TYPE MATERIAL	OBSERVATION
HERBARIUM	4,213	4,213	0	0	6,689	The backlog (non-listed material) is stored together with the general collection, in their respective families, even without registration, to be listed on demand.



COLLECTION	REGISTATIONS (units or batches)	ENTRIES (repeat item number or estimate for registering in batches) *	BACKLOG **	TYPE MATERIAL REGISTRATIONS	ACCUMULATED TYPE MATERIAL	OBSERVATION
ENTOMOLOGY	11,219	22,622	2 racks and 8 shelves	244	1,470	Although most of the type materials in the entomological collection were lost in the fire, the department still has images of 2,661 primary types.

INVERTEBRATES

COLLECTION	REGISTATIONS (units or batches)	ENTRIES (repeat item number or estimate for registering in batches) *	BACKLOG **	TYPE MATERIAL REGISTRATIONS	ACCUMULATED TYPE MATERIAL	OBSERVATION
ARACHNOLOGY	708	708	0	0	1,025 batches (3,834 units), largely burned in 2018	
COELENTERATES	337	1.000	20 batches	62 fragments	206 batches	
CRUSTACEA	92	296	20 batches		206 batches	
ECHINODERMS	0	0	400 batches	0	3	
SMALLER INVERTEBRATE GROUPS	0	0	0	0	161	
MALACOLOGY	2.146	20.000	Thousands of unit		206	
POLYCHAETA	317	317	0	41	918	There was a loan of five batches. The MNRJP inventory was carried out.
PORIFERA (MNRJ + UFRJPOR)*	221	459	More than 900 batches and 5,000 units	50 batches	244 batches	

GEOLOGY AND PALEONTOLOGY

COLLECTION	REGISTATIONS (units or batches)	ENTRIES (repeat item number or estimate for registering in batches) *	BACKLOG **	TYPE MATERIAL REGISTRATIONS	ACCUMULATED TYPE MATERIAL	OBSERVATION
ECONOMIC GEOLOGY	0	0	0	0	0	
METEORITES	0	0	0	0	0	
MINERALOGY	209	248	0	0	0	
PALEOBOTANY	0	0	0	0	0	
PALEOINVERTEBRATES						
PALEOVERTEBRATES	0	0	0	0	104	60 replicas of type specimens
PALYNOLOGY	0	0	0	0		
PETROGRAPHY	109	109	8	0	0	
SEDIMENTOLOGY	13	13	0	0	0	
SEDIMENTARY ROCK TEACHING SPECIMENS	3	3	0	0	0	

VERTEBRATES

COLLECTION	REGISTATIONS (units or batches)	ENTRIES (repeat item number or estimate for registering in batches) *	BACKLOG **	TYPE MATERIAL REGISTRATIONS	ACCUMULATED TYPE MATERIAL	OBSERVATION
AMPHIBIANS (SPECIMENS+ TISSUES+SONG RECORDINGS+IMAGES)	291	291	4,790	24 units (13 species)/ Described in 2022: 18 units (one species)	3,367	
ICHTHYOLOGY (GROUPS)	762	762	50,000	19	1,550	
ICHTHYOLOGY (TISSUES)	529	529	0	0	0	
MAMMALS (UNITS)	1,100	1,100	20,000	0	464	
MAMMALS (TISSUES)	280	280	6,000	0	0	
ORNITHOLOGY					314	
REPTILES	316	316	3,327	Registered in 2022: one unit (one species); Described in 2022: 10 units (three species)	448	

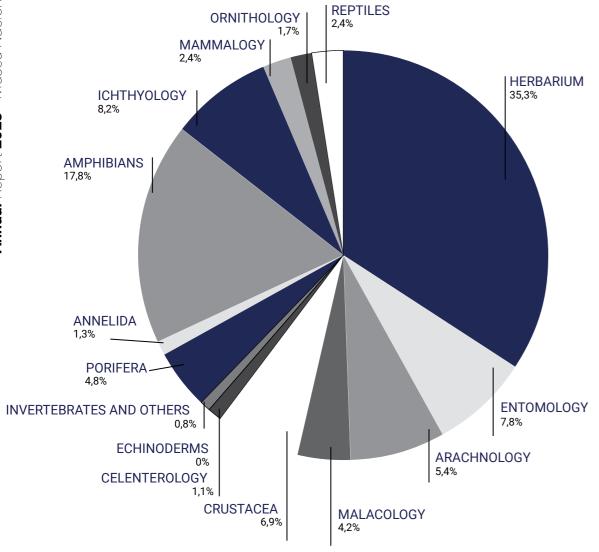
MN BOARD

COLLECTION	REGISTATIONS (units or batches)	ENTRIES (repeat item number or estimate for registering in batches) *	BACKLOG **	TYPE MATERIAL REGISTRATIONS	ACCUMULATED TYPE MATERIAL	OBSERVATION
CENTRAL LIBRARY	0	0	16,778	Na	Na	
SAE						
SEMEAR (ARCHIVAL COLLECTION)	40,000 identified items		Textual documents in 330 boxes and 5.2 linear meters of steel files, approximately equivalent to 365,000 sheets			
SEMU (EXHIBIT PIECES)						

**ITEM ESTIMATE: Some collections register their holdings in batches (lots) that often comprise thousands of items. Estimation of these items is necessary for a more comprehensive approach to the total holdings of the MN collection, which can be used for future collections-management policies.

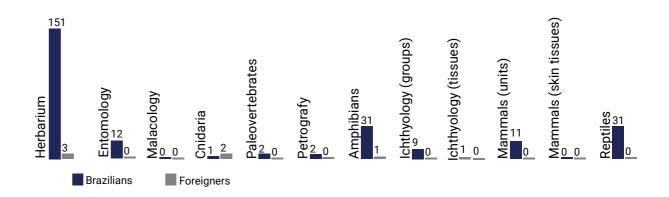
**BACKLOG: material acquired by MN in different areas of activity that has not been formally registered in the database. The idea is to estimate the total amount of this backlog, explaining how this value was calculated (per shelf, number of bottles, field boxes, etc.).

PRIMARY AND SECONDARY TYPE MATERIAL IN THE ZOOLOGICAL COLLECTIONS



Number of registrations, representing individuals or groups of specimens.

VISITORS





Carrying out a preliminary inventory of new collections.

CONSERVATION AND RESTORATION

In the year 2022, the Central Laboratory of Conservation and Restoration (LCCR) had the additional support from eight more professionals hired through the Museu Nacional Lives Project: five conservators, a photographer-conservator of cultural heritage, a database technician, and a museologist. They assisted in the laboratory activities, such as preliminary inventory of new collections, diagnosis and analysis of parts, conservation and restoration interventions, and packaging of the elements of the several collections of the Museum.

Continuing the previous year's activities, the laboratory team followed up with the help of the new collections of the Campanha Recompõe, performing the reception, preliminary inventory, packaging, and diagnosis of pieces donated to the Museum. Also, the team participated in GT Management and Safety, supporting the movement of the rescued parts and the implementation of temporary laboratories for the inventory of the rescued collections. An essential point in 2022 was the planning for the construction of the new LCCR Building, which will be located at the MN Research and Teaching Campus. Another necessary activity was the support for opening the time capsule of the Museu Nacional, in November.

At the end of the year, the staff were able to collaborate with the Mobile Laboratory of the Federal Institute of Rio de Janeiro (IFRJ), led by Prof. Dr. Renato

Technical treatment						
PACKAGING	508					
DIAGNOSIS/PHOTOGRAPHIC REGISTRATION	1.864					
PHYSICAL-CHEMICAL EXAMS	14					
FUMIGATION AND/OR OTHER TECHNIQUE FOR ELIMINATING BIOLOGICAL AGENTS	10					
CLEANING	41					

Pereira de Freitas, to perform X-ray fluorescence analysis (XRF) of the pieces rescued from the Egyptian collection, to develop an appropriate methodology for conservation and elucidation of the chemical changes caused by the fire.

EVENT

Course: The preservation and conservation of Museu Nacional collections

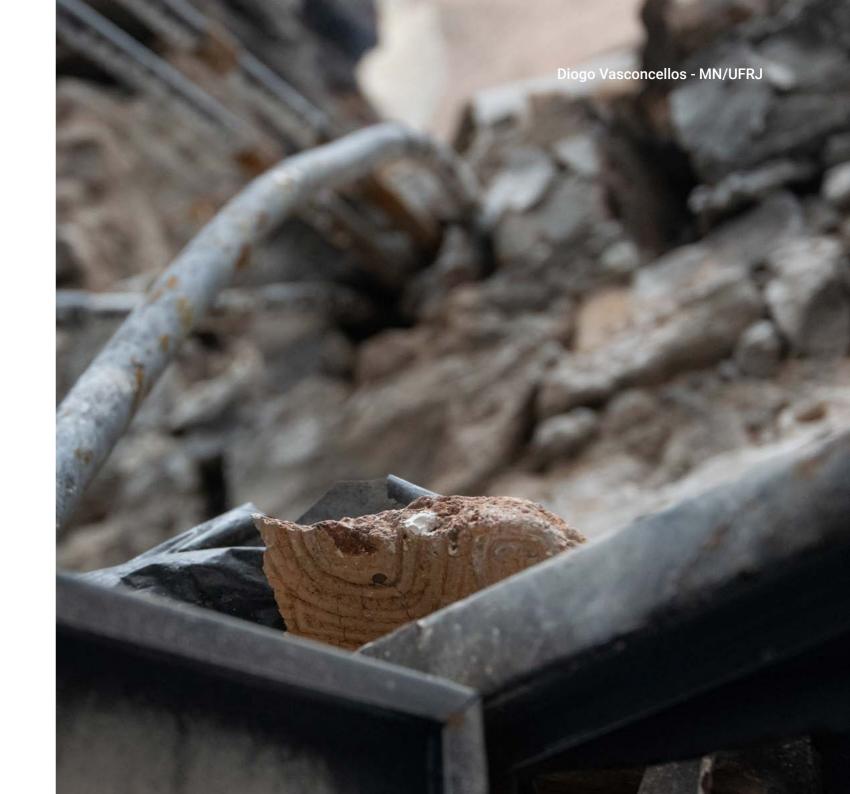
Date: 18/10/2022 Location: Online



COLLECTION RESCUE

For many rescued collections, identification of specimens began as an attempt to recover their primary data and registration numbers. Some already identified specimens could be accessed by researchers, continuing scientific research on the collections. Due to a lack of physical space, part of the rescued collection remains in the upper part of the Annex Alípio de Miranda Ribeiro, inside the palace, and in the old garage of the Museu Nacional. Periodic inspections are carried out on-site by team members. The return to face-to-face activities allowed the resumption of rescue excavations in the latest rooms inside the palace. A systematic review of collected data was initiated to check registrations for inconsistencies and prepare the procedures for returning the rescued pieces to their original collections and curatorships.

In 2022, a website (https://resgate.mn.ufrj.br/) and the book "After the Ashes. Preventive Conservation of Collections Recovered by the Museu Nacional Collections Rescue Center" were also produced. The book has a technical nature, presenting reflections about the planning and execution of the Rescue of Collections, the main activities of preventive conservation, and a photographic essay that allows glimpses of the operation of transferring the recovered collection from the area around the fire to the new spaces of the Museu Nacional. The book, part of the Museum Books Series, as well as the website, were financed by PRONAC n° 160400 – Museu Nacional Project – Collection Restoration, based on the project Preventive Conservation and Stabilization of Recovered Collections by the Núcleo de Resgate de Acervos of the Museu Nacional.



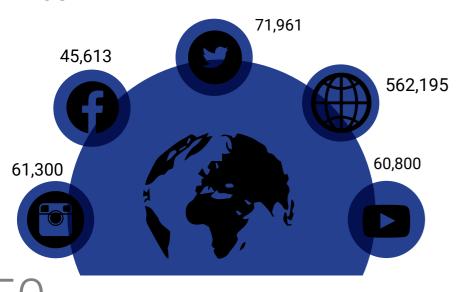


COMMUNICATION AND EVENTS

The Communication and Events Center (NuCE), submitted to the Board of Directors, includes the Events, Press, Social Networks, and Website teams, which work in concert to meet the demands of the entire institution. In 2022, with the return to face-to-face work, NuCE partnered with the Museum's staff and institutional partners, continuing the remote activities, which took place uninterruptedly. Concerning events, the Center promoted four exhibits in particular: "What Do You Dream for the Museu Nacional/UFRJ?", "What Whale is That?", "When Not Everything Was Ice," and "Museu Nacional Lives in the Bicentennial," and participation in two others: "Luzia e Berthasaura in Madureira" and "Tra Pompei y Marajó. L'Imperatrice Teresa Cristina e Gli Oggetti di Desiderio Tra Italia e Brasile." The NuCE also organized the commemorations of the centennial of the Department of Entomology and the 50 years of graduate programs in Zoology and Botany. Other important milestones were the inauguration of the main facade of Paço de São Cristóvão on September 2nd, attracting an audience of around 450 people: the creation of the First Time Capsule of the Museu Nacional/UFRJ in November, with the participation of the Museum staff, guests and institutional partners, in addition to the popular press. Furthermore, the International Conference of Museums was held in partnership with the Goethe-Institut, bringing together specialists from different continents to discuss issues related to museums of Natural History and Ethnology. The Social Networks team, with the help of an external group, restructured its posts, adopting a new visual identity and improving engagement, in addition to activities with digital influencers that extended the Museum's reach to a diverse audience and increased the number of followers. The "Site" team continues to develop the project for the new institutional website that will use a complete content-management system, making it more attractive and increasing navigability. With its external assistance, the "Press" team sought the best channels to publicize the Museum's research, teaching, extension, and reconstruction activities, achieving participation in necessary means of communication, nationally and internationally. Through the efforts of this team, Paço de São Cristóvão served as the setting for the recording of the program "Retrospective 2022" on Rede Globo, and the recomposition of the Ethnology collection was featured in the New York Times.

NuCE published ten editions of "Harpia" in 2022, a bulletin that aims to strengthen internal communication by valuing people, research, and other activities carried out by the staff. The members of the staff evaluate each edition. The publication is available on the website and shared on the Museum's social networks for everyone who desires more information about the institution. For internal communication, notices, invitations, messages from management, and the publication of Informes do Museu Nacional/UFRJ are sent by email every two weeks. NuCE created guidelines for the activities it develops to guide the staff members. Additionally, a satisfaction survey is sent annually so that the staff can evaluate the Museum's internal and external communication to promote improvements following these evaluations.

OUR MEDIA



Media return						
INSERTS OBTAINED	6,117 notes/ interviews/articles					
VALUATION OF MEDIA*	R\$180,498.72					

* Estimated value based on advertising tables of media outlets, if monetary value was assigned at the end of the 365-day period.

EVENTS

Lecture: Diagnosis of technological maturity of Museu Nacional/UFRJ

Presentation of the diagnosis of technological maturity of the Museu Nacional, by the museologist Luciana Conrado Martins, based on interviews with the different curators of the institution. The project was funded by the British Council.

== 18/02/2022

Online

Opening of exhibit "What Do You Dream for the Museu Nacional/UFRJ?"

The exhibit presented artistic expressions from the public about their dreams for the future of the Museu Nacional. This was the result of a cultural activity carried out through a partnership with the Goethe-Institut Rio, in which members of the public submitted their artistic productions. The panels were divided into three subjects: "The importance of science in our lives", "What unites us and what differentiates us socially" and "Our geodiversity and biodiversity", which were related to future exhibits at the National Museum. The exhibit also featured a virtual display.

= 17/03/2022

São Cristóvão's Palace

Visit by members of the Brazilian Development Bank (BNDES)

The visit by BNDES members was part of the follow-up to the Museu Nacional's reconstruction activities by the Museu Nacional Lives Project.



== 14/04/2022

São Cristovão's Palace, Museu Nacional Botanical Garden, Museu Nacional/UFRJ Research and Teaching Campus

Museu Nacional/UFRJ Board and Associação Amigos do Museu Nacional (SAMN) Presidency Festive inauguration

The festive inauguration was held to celebrate with the staff members and guests, the inauguration of the new Museum Board and the SAMN Presidency.

= 06/05/2022

Ocentral Library, Museu Nacional Botanical Garden

Opening of Berthasaura and Luzia exhibit

The exhibit was the result of a partnership between the Secretariat of Culture of the Municipality of Rio de Janeiro and the Museu Nacional Lives Project - technical cooperation between UFRJ, UNES-CO and Instituto Cultural Vale -, which featured two iconic pieces from the Museu Nacional collection: the fossil of Berthasaura leopoldinae, found in Paraná in 2021, and the replica of Luzia's skull, the oldest example of human remains in the Americas. The exhibit was open until September 7, 2022 in Madureira, receiving school visits and a spontaneous audience.

24/05/2022

Carioca Arena Fernando Torres, in Parque Madureira Mestre Monarco

I Brazilian Symposium on Archaeobotany The symposium brought together professionals and students working on or interested in the different branches of Archaeobotany in the Brazilian context.

24 to 26/05/2022

Online

Museu Nacional/UFRJ

2023

International Museum Conference

The Conference provided a space for the exchange of knowledge between specialists from museums in South America and Europe, with a focus on developing concepts that prepare museums of Natural History and Ethnology for the future in difficult times. The central themes of the conference were: "Museums in the tension field of society", "Collections and Archives" and "Sustainability". The conference was the result of a partnership with the Goethe-Institut.

- **and** 04/06/2022
- Museu de Arte do Rio (MAR)

204th Anniversary of the National Museum/UFRJ

The celebration of the 204th anniversary of the Museu Nacional included activities from the Teaching Assistance Section (SAE) for spontaneous participation by different age groups of the public.

- **==** 05/06/2022
- Quinta da Boa Vista Park

Opening of exhibit "What Whale is That?"

The exhibit presented a large skeleton (15.7 m long) of a Sperm Whale belonging to the species Physeter macrocephalus. This whale was stranded on Praia de Curimãs, municipality of

Barroquinha, Ceará, on January 1, 2014, and was donated to the Museu Nacional for future

- **==** 06/06/2022
- City of Arts Bibi Ferreira, Barra da Tijuca

Museu Nacional at the Museu do Amanhã

The Museu Nacional/UFRJ participated in the Museu do Amanhã's Vacation Program: "Playing is Science", with activities coordinated by the SAE and with the participation of professors, students, technicians, and collaborators from different areas of our museum.

- **= 10/07 to 07/08/2022**
- Museu do Amanhã

Lecture by writer Paulo Rezzutti at the Horto

Lecture "Before Ipiranga, Quinta da Boa Vista: Leopoldina and the Independence of Brazil" with the author, followed by autographs of his books.

- **==** 16/07/2022
- Central Library, Museu Nacional Botanical Garden

Exhibit "When Not Everything Was Ice"

The exhibit traveled to Brasília, as part of the activities of the 74th Annual Meeting of the Brazilian Society of Science History

- **==** 24 to 30/07/2022
- Universidade de Brasília (UnB)

de São Cristóvão

Museu Nacional/UFRJ.

- **==** 02/09/2022
- São Cristóvão's Palace

Opening of exhibit "Museu Nacional Lives in the Bicentennial of the Independence of Brazil"

The Museu Nacional/UFRJ and the Museu Nacional Lives Project held a press conference to present the advances in reconstruction exhibit "Museu Nacional Lives in the Bicenten- students. nial of the Independence of Brazil".

- **a** 02/09/2022
- São Cristóvão's Palace

Press conference

The Museu Nacional/UFRJ and the Museu Nacional Lives Project held a press conference to present the advances in reconstruction completion of the facade and roof of the historic block – and to publicize the opening of the exhibit "Museu Nacional Lives in the Bicentennial of the Independence of Brazil".

- **=** 02/09/2022
- São Cristóvão's Palace

Opening of exhibit "Tra Pompei v Marajó. L'Imperatrice Teresa Cristina e gli oggetti di Desiderio tra Italia e Brasile"

Inauguration of the main facade of the Paco The Pompeian fresco "Dragon and Two Dolphins", from the Teresa Cristina Collection, whi-The inauguration of the facade of the histori- ch was restored in Italy through a partnership cal block of Paco de São Cristóvão was one established by the Central Laboratory for Conof the milestones in the reconstruction of the servation and Restoration of the Museu Nacional (LCCR), was part of the exhibit that celebrated the Bicentennial of the Birth of Empress Teresa Cristina and the Bicentennial of Independence of Brazil.

- **==** 02/09/2022
- O Cândido Portinari Gallery, Embassy of Brazil in Rome

500th Meeting of the Department of Entomology

The Department of Entomology celebrated its completion of the facade and roof of the histo- 100th anniversary with the department's 500th ric block — and to publicize the opening of the meeting. The event was attended by DE staff and

- **==** 03/09/2022
- Central Library, Botanical Garden

ANDIFES Meeting of University Museums

The Museu Nacional was visited by representatives of university museums and institutions of higher education from across the country.

- **==** 05/10/2022
- São Cristóvão's Palace

Meeting with Wendell Lima from Quilombo **Buriti of Meio (MG)**

Celebration of the first acquisition of the Afro--Brazilian collection of the Museu Nacional/ UFRJ, after September 2018.

- **== 11/10/2022**
- Museu Nacional/UFRJ Research and Teaching Campus

ual Report 2023 - Museu Nacional/UFRJ

1st Week of Historical Archeology at the Museu Nacional/UFRJ

This event was organized by the Historical Archaeology Lab (LAH) of the Museu Nacional.

18 to 21/10/2022

Council of Architecture and Urbanism (CAU)

95th anniversary of the Teaching Assistance Section (SAE)

The celebration included activities with Basic Education teachers, educators, and general audiences, launching of two educational games "Discovering the Insects with the Young Scientists Club of the Museu Nacional", and "(Dis)Memories of Independence". In addition, the educational seminar "Museum and School: conversation about collections" was promoted.

22/10/2022

Museu Nacional Botanical Garden

Heritage Education: Theory and practice

Two round-table discussions were held on: Heritage Education as a Teaching-Learning Form and Heritage Education in its Fields of Action.

=== 22/11/2022

Pedro II Scholl, Center Campus

First Time Capsule of Museu Nacional

The Museu Nacional deposited its first time capsule, with its opening planned for 2072. The capsule contained items suggested by the staff and partners.

== 25/11/2022

Garden Terrace, São Cristóvão's Palace

50 years of the Graduate Program in Biological Sciences (Zoology)

This event celebrated the 50th Anniversary Jubilee of the PPGZoo with lectures and presentations of student work.

== 29 and 30/11/2022

Central Library, Museu Nacional Botanic Garden

Photographic Essay - Women of the Museu Nacional/UFRJ

Women belonging to all categories of the Museum's staff were invited to participate in a photo shoot with Renata Xavier, for the Avant Garde Saravá Project. The images could be viewed in two exhibits in the cities of Rio de Janeiro and Niterói, in the first half of 2023.

== 12/12/2022

São Cristóvão's Palace

50 anos do Programa de Pós-graduação em Botânica

O evento celebrou o jubileu do PPGBot com palestras.

== 15/12/2022

Central Library, Museu Nacional Botanical Garden

Holiday Festivities

The Museu Nacional held its holiday party in person for the first time in three years.

== 16/12/2022

Central Library, Museu Nacional Botanical Garden

Virtual Exhibit Recompose. Mineralogy

This virtual exhibit presented collections recovered from the fire and new collections donated, through the "Campaign Recompose".

== 19/12/2022

Online

New Site for Campaign Recompose

The "Recompose" campaign, launched in September 2021, has a new website that features a gallery of wishes, with pieces that the Museu Nacional hopes to obtain for future exhibits.

== 19/12/2022

https://recompoe.mn.ufrj.br/



MUSEUM EDUCATION

The Teaching Assistance Section (SAE) has been part of the Museum's structure since 1927. Its purpose is to promote Museum Education in an interface with the Popularization of Science and Cultural Accessibility, through research and educational projects and activities aimed at different segments of the population. Here, we present data related to the activities carried out by 12 employees, 2 collaborating teachers and 24 high school, college and graduate students (extension workers, scholarship holders and interns) of SAE, some of them in partnership with other institutions. There were face-to-face activities and activities carried out through digital social networks and different online platforms. Courses, internships, workshops, live podcasts, educational visits, podcasts, and summer camps were promoted, expanding the reach of the sector's activities inside and outside the state of Rio de Janeiro, benefiting students, teachers, children, and adults.

PROJECTS

Young Scientists Club of the Museu Nacional: Science in Quinta

In 2022, the Young Scientists Club of the National Museum sought to strengthen ties with 4 municipal schools in the neighborhood, conducting monthly activities in the classroom with a class from each school, totaling around 130 students. The schools were selected in partnership with SME-Rio, and of the 19 activities, 14 were carried out in conjunction with other sectors and departments of the MN. In addition to classroom activities, all classes visited the MN.

Literary Club meetings

This is a reading club that seeks to disseminate the scientific knowledge produced by the MN in dialogue with literary works. In 2022 there were 9 online meetings, using the Google Meet platform. The registration was electronic, and 85 people signed up, 50 of

whom were called. The meetings were attended by people from different locations, including outside Rio de Janeiro. The Club also posted 45 publications on the social network Instagram.

SAE's scientific teaching collections

The project has as one of its main activities the free loan of copies of SAE's teaching and scientific collections to different sectors of the public, besides involving collections conservation, maintenance, and preservation activities. In 2022, 81 loans were made, totaling 1,480 specimens.

The Museu Nacional Lives in Schools

The project visited 25 schools in 2022, traveling 490.9 km in Rio de Janeiro and the metropolitan region, reaching 6,012 students from all segments and members of the school communities. Through the display of approximately 40 items from the Teaching and Scientific Collection from SAE/MN, interactive dialogues and direct contact with the collection were sought, encouraging curiosity, affection, and the popularization of science.

From the Quinta's Museum to the Quinta as a Museum

This educational program aims to stimulate the active and collaborative participation of the public in the production of new knowledge and the memory of Quinta da Boa Vista and the National Museum of Natural History. The educational visits included 12 elementary schools, including the 11 Regional Education Coordinators, totaling 420 students and 40 teachers, in addition to visits with other publics in special events. It is supported by the SIMAP 2022-2023 Scholarship Program, the Extra-Curricular Educational Projects Management of the Municipal Secretariat of Education, and BioParque do Rio.

The Museu Nacional Occupies the Quinta: Encounters with the Community
This program aims to promote museum education and science popularization activities,

especially outdoor educational visits, together with local residents and spontaneous visitors. The creation and implementation of the game (dis)memories of Independence, which, through illustrations of characters and elements related to the Independence of Brazil, brings up narratives that are not part of the official history, based on connections with the Quinta's park and its former inhabitants.

Jr. Scientific Initiation Program

In 2022, the Jr. Scientific Initiation Program - PIC JR - certified seven students from Colégio Pedro II for having concluded their internship with the MN. Besides, this program promoted a new selection process for the 2023 edition, which will have more than fifty high school students divided into several projects.

EVENTS

Date O Location

Anniversary of the Museu Nacional

Educational, literary and play activities carried out by SAE in partnership with the Museum's Library and the participation of the Kindergarten in celebration of MN's anniversary.

== 05/06/2022

Quinta da Boa Vista

Science with the Museu Nacional

Program with four different activities carried out by scientists from the Museu Nacional in the areas of Marine Biology, Paleontology, Geology and Ancient Egypt. Activities aimed at the whole family used games, old models, and interactions with fossils and other items from the collection.

iii 12,13,19 e 20/02/2022

Rio de Janeiro Planetarium

Playing is Science: Museu do Amanhã

Vacation programming aimed at children in partnership with the Museu do Amanhã, brought together activities on Meteorites, Ancient Egypt, Paleontology, Marine Biology and Fish

== 10, 17, 24, 31/07 and 07/08/2022

Museu do Amanhã

"Before Ipiranga, Quinta da Boa Vista: Leopoldina and Independence of Brazil" Lecturer by writer and researcher Paulo Rezzutti, aimed at young and adult audiences.

== 16/07/2022

Museu Nacional Botanical Garden

2022 UFRJ's Knowledge Festival: From ancestral to digital

Participation of the Young Scientists Club of the Museu Nacional in the festival with the workshop "Discovering Insects with the Young Scientists Club of the Museu Nacional", based on an educational game created by the project team.

a 01/09/2022

Online

Double side of Independence: History in 360° and (Dis)Memories of Independence game

Educational activities included in the program for the 16th Spring of Museums: "Independence and museums: another 200, other stories".

== 24 e 25/09/2022

Quinta da Boa Vista

SAE: 95 years

Celebration of the 95th anniversary of the Teaching Assistance Section, with training for

educators: "Museum and School: conversation about collections" and the launch of two educational games.

== 22/10/2022

Museu Nacional Botanical Garden

Museu Nacional Time Capsule

Educational activity carried out in partnership with the Museu de Astronomia e Ciências Afins and Colégio Pedro II, where the children composed drawings and letters to put in the MN time capsule.

== 25/11/2022

Quinta da Boa Vista





MUSEOLOGY

The Museology Section has been working on different fronts at the National Museum, the main ones being planning, executing, and maintaining the institution's exhibits and activities related to management. The team members have been dedicated to making possible the opening, in 2023, of the Estação Museu Nacional, the new Visitor's Center, located on the Research and Teaching Campus of the National Museum; they are responsible for coordinating the project development, curatorship and production of the exhibit that will open in this space, working together with other museum teams. They contributed to the realization of "On the Wings of Science - a Flight over the Cagarras Islands" in the arrival hall of Santos Dumont Airport in Rio de Janeiro, which presented research and collections from the Natural Monument of the Cagarras Islands, which can be seen from Ipanema Beach, regarding documentation. As part of the Museu Nacional Lives Project, specialists from the Museology Section have been working with the project management team, accompanying its activities. These professionals are part of the Coordination of New Long-Term Exhibits, responsible for coordinating the Curatorial Committee of the New Exhibits, the curatorship, the narrative development, and the collection selection. In the second semester, the Master Plan was developed, a document to make the first study of the organization of the contents in the architectural plan of the São Cristóvão Palace. The Master Plan, together with the Thematic Guide, a document that presents the conceptual principles, communication strategies, narratives, conceptual bases, and details of the content of each of the exhibit circuits, will be the basis for the Museography, Visual Communication, and Universal Accessibility Project, which will start in 2023. In addition, a photographic/scientific inventory of the collection is being made for the new exhibits. In September, the Bicentennial of Brazil's Independence was celebrated, with a series of activities, among them the delivery of part of the facade of the Palace and the opening of temporary exhibit, such as "Recompõe - Mineralogia, held in the entrance hall of the Palace and "Open Sky Exhibit" with photographs and stories that record remarkable moments in the history of the institution, the relationship of the public with the collections, the strength of its scientific activities, and the process of reconstruction of the National

Museum, located in the avenue next to the Terrace Garden. The professionals of the Museology Section contributed to activities related to the management and planning of the institution and participated in several committees: Committee for developing the Museological Plan of the National Museum/UFRJ, chaired by a museologist. Committee for the Development of the New Internal Regulations of the National Museum/UFRJ, responsible for the internal regulations' evaluation, adequacy, and restructuring. Working Group for planning and developing the activities to be carried out at the National Museum Station. The Exhibits Committee is responsible for evaluating proposals for new exhibits for the National Museum. Collections Committee, responsible for organizing the collections of the National Museum, contributing to the construction of a Collections Policy and developing construction projects for collection storage. System of Museums, Collections, and Cultural Heritage of the UFRJ. The team also works in working groups combining professionals from different sectors of the Museu Nacional: the Accessibility Working Group and the Audience Study Working Group.



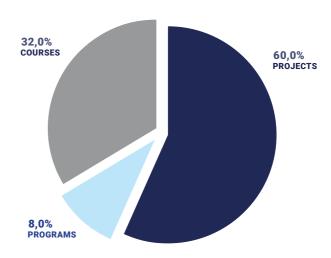


Undergraduate students from UFRJ, extension workers of the Museu Nacional Vive Extension Program, during an extension activity

UNIVERSITY EXTENSION

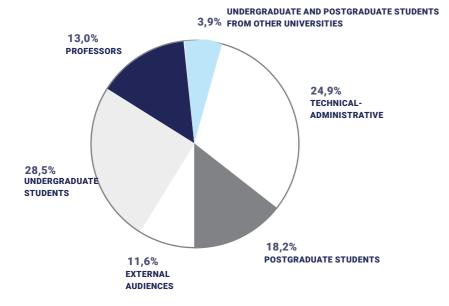
As a final activity of the public university, university extension is as an academic activity through an interdisciplinary educational, cultural, scientific, and political process, in an inseparable relationship with teaching and research. The university extension service directly contributes to fulfilling the social function of the Museu Nacional, serving mainly the general public, since in principle, its activities are based on respect for cultural diversity and community participation, in line with the Statute of Museums. The activities developed and carried out free of charge facilitate the exchange of knowledge and the collective development of knowledge in a direct relationship between the staff of the MN and different sectors of society. In addition, the extension activities contribute to the training of undergraduate and graduate students, expanding the understanding of the "classroom" to a teaching-learning process based on concrete and dynamic social practices. In 2022, 25 extension activities were developed among programs, projects, and courses, using face-to-face (nine), hybrid (13), distance (two), and remote (one) formats. This year,

EXTENSION ACTIVITIES



again, the Museu Nacional staff chose to prioritize extension projects, which are longer-duration activities with a more organic type of integration with the public. In addition, 11 of these activities were aimed at schools, the priority public of UFRJ extension activities, and carried out by different sectors and departments, not limited to the performance of specific teams from the institution.

TEAM INVOLVED



Of these activities, 56% were coordinated by technical-administrative staff. In comparison, 44% were coordinated by teaching staff, demonstrating once again that technical-administrative staff play an essential role in academic activities of university

extension. This is also expressed in the participation of team members. At the Museu Nacional, extension activities involve teaching staff and technicians, high school, undergraduate, and graduate students, as well as members from outside the university. In 2022, we had more than 280 people participating in extension activities, members of all departments and different sectors of the institution, as shown below.

Each year, we seek to expand the reach of our extension activities, making it possible to establish spaces for dialogue with people from all states of Brazil, except Acre, including people from countries such as Colombia, the USA, Argentina, and Mexico. In the State of Rio de Janeiro, we reach 20 different municipalities. In the city of Rio de Janeiro, we interact more directly with people from 71 neighborhoods. The UFRJ published, at the end of the same year, an update of its regulations regarding the University Extension, showing that the activities of the Museu Nacional were appropriate, reaching an audience of more than 50 thousand people of all ages.

The oldest of these activities started in 2017, the same year that the management of the MN Extension Coordination assumed this role. Their teams coordinate each of the extension activities. However, the institutional management of extension is the responsibility of the Extension Coordination of the Museu Nacional, which encourages, guides, monitors, and evaluates the activities under development in the institution, seeking to ensure compliance with the UFRJ University Extension Policy. Among its responsibilities are the issuance of opinions, participation in consultative and deliberative instances of the institution, when necessary, and carrying out extension activities, such as the "Museu Nacional Lives Extension Program," the extension project "A Museum Made of People" and the extension course "Getting to know the Museu Nacional/UFRJ." In addition, it operates on different fronts, with committees and working groups seeking to represent themes related to university extension.

EXTENSION PROGRAMS EXTENSION PROJECTS

- 1. Living Archeology: Past, present and future at the 1. Knowing our past: Training and practice in Museu Nacional
- 2. Museu Nacional Lives

Archeology and Archaeobotany

- 2. The SAE Scientific Teaching Collections
- 3. The Museu Nacional Lives in Schools
- 4. Young scientists club at the Museu Nacional -Science on the Quinta
- 5. Literary Club meetings

EXTENSION COURSES

- 6. Dialogues on Ethnographic Collections of the Museu Nacional: New narratives and knowledge
- 1. Brazilian Archeology for Teachers: Science, transdisciplinarity and teaching practices
- 7. Readings on the History of Linguistic Thought in Brazil
- 2. Archive, memory policies and actuality
- 8. Moths and Butterflies in the Nets

3. Botany at the Museum

- 9. Girls with Science
- 4. Getting to know the Museu Nacional: Stories, collections and experiences
- 10. Museu Nacional Lives: a museum made of people
- 5. Heritage Education Course/PEP: Teaching and practice in preservation
- 11. The National Museum occupies the Quinta: Meeting with the community
- 6. Initiation to Anthracology and Wood Anatomy
- 12. The Museu Nacional Lives in Schools

7. Young Naturalist

- 13. Carnival Observatory and the Episteme Ziriguidum
- 8. Girls with Science: Geology, Paleontology and gender at the Museu Nacional
- 14. Plurilingualism, language policy: Perspectives on language teaching in Brazil
- 15. Vertebrates Biodiversity and evolution

List of the 25 extension actions that were active at some point in 2022.



ASSOCIAÇÃO AMIGOS DO MUSEU NACIONAL

The Associação Amigos do Museu Nacional (SAMN), founded in 1937, is a non-profit public utility entity in the State of Rio de Janeiro, whose main initiative is to support the activities and projects of the Museu Nacional. It constitutes the first association of friends of a Brazilian museum. The Friends of the Museum Association has always maintained its fundamental purpose of supporting the Museu Nacional, helping it to overcome many technical and administrative challenges, consequently achieving its strengthening and growth. The SAMN is recognized by UFRJ as a legitimate organization, able to produce the effects arising from the activities outlined in its bylaws, according to the technical cooperation agreement signed between the university and the association in October 2020, for a five-year period.

The SAMN is a member of the Federation of Friends of Museums in Brazil (FEAM-BRA). It is part of the Ministry of the Environment's National Register of Environmental Entities (CNEA). It is one of the among the supporters of an environmental protection area in the Atlantic Forest, with 440 ha in the State of Espírito Santo, the Biological Station of Santa Lúcia (EBSL). The SAMN, UFRJ, and the National Institute of the Atlantic Forest (INMA) compose the Management Council for the area.

In 2022, the SAMN managed 34 projects and activities, including seven National Cultural Support Programs (PRONAC), with nine new projects started this year. Worthy of note in 2022 was the completion of the restoration work on the facades and roofs of the historical block of Paço (block I), partial completion of the renovation work on the library, preparation of the Draft and Work Plan for co-management of the area of the Biological Station of Santa Lúcia between UFRJ, SAMN, and INMA, beginning of the studies to develop of the Patrimony Fund of the Museu Nacional, and participation in the Safety and Sustainability Committee of the MN and the Executive Committee (invited), within the scope of the Museu Nacional Lives Project.

ACTIVITIES AND PROJECTS

Contract between Instituto Coral Vivo (ICV) and SAMN

Coordinator: Flavia Maria Guebert Financing source: Petrobras Socio-environmental Program and Arraial d'Ajuda Ecopark, GNA and Boticário Foundation Status: In progress

Contract between Instituto Meros do Brasil (IMB) and SAMN

Coordinator: Maíra Borgoni and Fernando Coreixas de Moraes
Financing source: Petrobras Socio-environmental Program
Status: In progress

Academic cooperation between the Wenner--Gren Foundation and the Graduate Program in Social Anthropology, MN (PPGAS) 2021

Coordinator: Federico Neiburg Funding source: Wenner-Gren Foundation, NY, USA Status: In progress

Acquisition of furniture, equipment, and services for the packaging, storage, and conservation of the various collections of the Museu Nacional, Anthropological, Zoological, and Botanical, prioritizing their proper packaging, space optimization, and environmental control

Coordinator: Andrea Costa Financing source: Parliamentary Amendment Chico Alencar Status: In progress

Actions related to infrastructure, communication, constitution and collection recovery, human resources, and administrative activities related to the National Museum Lives Project (PMNV)

Coordinator: Alexander W. Kellner Financing source: Vale S.A. Status: In progress

Activities of the Museu Nacional and the school community of Rio de Janeiro

Financing source: British Gas E&P Brasil Ltda Status: In progress

Activities of the Museu Nacional and the schools of Rio de Janeiro

Coordinator: Andréa Fernandes Costa Financing source: British Gas E&P Brasil Ltda Status: In progress

Amazonia Laboratory of the Future

Coordinator: Carlos Fausto Financing source: SPK - Stiftung Preußischer Kulturbesitz Status: in progress

Building and Endowment fund for the Museu Nacional.

Coordinator: Mariângela Menezes Financing source: BNDES Status: In progress

Cooperation for the implementation of research support through a partnership between Brazil LAB – Princeton University and PPGAS, Museu Nacional

Coordinator: Carlos Fausto

Funding source: Brazil LAB - Princeton Univer-

sity

Museu Nacional/UFRJ

2023

Status: In progress

Demography, awareness and fisheries monitoring of sharks and rays: subsidies for conservation

Coordinator: Marcelo Viana and Marcelo Britto Financing source: Carrying out the Support Project for Marine and Fishing Research is a compensatory measure established by the Conduct Adjustment Term under the responsibility of the company PetroRio, conducted by the Federal Public Ministry in Rio de Janeiro (MPF/RJ) - FUNBIO

Status: In progress

DOE/SOS Campaign Museu Nacional

Financing source: National and international donations for the reconstruction of the Museu Nacional

Coordinator: Alexander W. Kellner

Status: In progress

Emergency aid for the Museu Nacional – Rescue, first aid and renovation of electrical infrastructure

Coordinator: Ronaldo Fernandes Financing source: Donation from the Federal Republic of Germany, 3rd and 4th stage Status: Closed

5th Edition Girls with Science - female scientists, technicians, and students of the Department of Geology and Paleontology (DGP / MN)

Coordinator: Luciana Witovisk

Financing source: Shell Brasil Petróleo Ltda and Crowdfunding, Plataforma Benfeitoria Status: In progress

Ichthyofauna survey of the Rio das Pedras Basin, aiming at monitoring and evolution of its composition as an indicator of the quality of the aquatic environment

Coordinator: Paulo Andreas Buckup Funding source: The Nature Conservancy of Brazil

Status: In progress

Living Libraries - Documenting endangered Munduruku materiality, Brazilian Amazonia

Coordinator: Bruna Rocha and João Pacheco Funding source: EMKP-Endangered Material Knowledge Program and Gerda Henkel Foundation Status: in progress

Modernization of the Central Library of the Museu Nacional

Coordinator: Alexandre W. Kellner Financing source: Banco Bradesco S/A, under the National Culture Support Program (PRO-NAC/SEFIC) Status: in progress

Museu Nacional in action: Exhibits and museum education

Coordinator: Alexander W. Kellner Financing source: Vale S. A and Rede D'or under the National Cultural Support Program (PRO-NAC/SEFIC) Status: In progress

Museu Nacional Lives in schools

Coordinator: Sheila Nicolas Villas-Boas Financing source: Crowdfunding, Benfeitoria Platform

Status: In progress

Non-refundable financial collaboration concession agreement between BNDES-SAMN-U-FRJ – 2.17.0704-1

Coordinator: Alexander W. Kellner
Financing source: BNDES, under the National
Culture Support Program (PRONAC/SEFIC)
Status: In progress

Non-refundable financial collaboration concession contract between BNDES-SAMN-U-FRJ – 2.20.0475-1

Coordinator: Alexander W. Kellner Financing source: BNDES, under the National Culture Support Program (PRONAC/SEFIC) Status: In progress

Performance assessment of fisheries management in Brazil

Coordinator: Marcelo Viana Financing source: Oceana Brazil Status: In progress

Physically and materially rebuild the Dialogue, Image, and Sound Studies Laboratory so that the various projects under development related to the sustainability and safeguarding of the Intangible Heritage associated with Indigenous Peoples can move forward.

Coordinator: Tania Clemente Financing source: Marcelo Calero 2021 Parliamentary Amendment Status: In progress

Preservation and Safeguarding of the Material and Intangible Cultural Heritage of Traditional Peoples of Brazil - Record of the archaeological and ethnolinguistic collection recovered from the Pretos Novos Cemetery (CPN)

Coordinators: Cláudia Carvalho and Luciana Carvalho

Financing source: Several donations within the scope of the National Cultural Support Program (PRONAC/SEFIC)

Status: Closed

Properly reorganize the collection not affected by the fire, store the collection recovered after the accident, and house possible new collections, preventing further casualties.

Coordinator: Marcos André Torres de Souza Financing source: Parliamentary Amendment Jandira Feghali 2019 Status: In progress

Reconstruction of the Francisca Keller Library (BFK) +50

Coordinator: Carlos Fausto Financing source: Crowdfunding, Benfeitoria Platform Status: In progress

Restructuring of the Ethnology Sector of the Museu Nacional

Coordinator: João Pacheco Financing source: Vale S.A. Status: In progress

Subproject of the Project "Phylogeography of fish from coastal streams in southeastern Brazil," aiming to establish the phylogeographic relationships between fish populations of the family Poeciliidae, emphasizing species of the genus Phalloceros; B. Test hypotheses about

biogeographic events.

Coordinator: Paulo Andreas Buckup Funding source: Texas A&M University

Status: In progress

Support for marine and fisheries research in Rio de Janeiro - Conservation and sustainable use of mangroves

Coordinator: Marcelo Viana and Eduardo Car- Status: in progress los Meduna Haidu

Financing source: Carrying out the Marine and Fisheries Research Support Project is a compensatory measure established by the Term of Adjustment of Conduct under the responsibility of the company PetroRio, controlled by the Federal Public Ministry in Rio de Janeiro (MPF/ RJ)

Status: In progress

Support to the Museum: Marine Biology Exhibits

Coordinator: Wagner Martins

Financing source: Carrying out the Marine and Fishing Research Support Project is a compensatory measure established by the Conduct Adjustment Term under the responsibility of the company PetroRio, controlled by the Federal Public Ministry in Rio de Janeiro (MPF/RJ) - FUNBIO

Status: In progress

Survey of needs and diagnoses, considering the need to reorganize the spaces and occupations of the Museu Nacional; support for activities to rescue pieces from the fire and design and implement security projects for collections and their facilities, generating security for personnel, collections, and activities

Coordinator: Mariah Martins Source of funding Parliamentary Amendment Romário Faria Status: In progress

The material culture of the Upper Xingu in the past, present, and future

Coordinator: Carlos Fausto

Financing source: UEA - University of East

Anglia

The platinum sponsorship agreement between Banco Bradesco S/A and SAMN

Coordinator: Alexander W. Kellner

Financing source: Banco Bradesco S/A, under the National Culture Support Program (PRO-NAC/SEFIC)

Status: In progress

Virtual exhibit presenting the new mineralogy collection, as well as a presentation of the new museography and collections in planning for the reopening of the Museu Nacional

Coordinator: Alexander W. Kellner Financing source: Vale S.A., within the scope of the National Cultural Support Program (PRO-NAC/SEFIC)

Status: In progress

Young Scientists Club of the Museu Nacional (UFRJ) - Science on the Farm

Coordinator: Andréa Fernandes Costa Financing source: Ibermuseums Award Status: In progress

HONORS AND AWARDS

Honor

Honored: Joana Zanol

Marine annelid species: Marphysa zanolae Lavesque, Daffe, Glasby, Hourdez & Hutchings, 2022

Publication: Lavesque, Nicolas: Daffe, Guillemine; Glasby, Christopher; Hourdez, Stéphane; Hutchings, Pat. (2022). Three new deep-sea species of Marphysa (Annelida, Eunicida, Eunicidae) from Papua New Guinea (Bismarck and Solomon seas). ZooKeys 1122: 81-105.

Honor - 50 years of PPGBot

Grantor: Graduate Program in Biological Sciences (Botany)

Honored: Arline Souza de Oliveira, Doroty Sue--Dunn de Araújo, Elza Fromm Trinta, Heloisa Alves de Lima Carvalho, Jorge Fontella Pereira, Luci de Senna Valle, Lygia Dolores Ribeiro de Santiago Fernandes, Maria Celia Bezerra Pinheiro, Maria da Graça Loureiro Sophia, Mariângela Menezes. Vânia Goncalves Lourenço Esteves, Vera Lúcia de Moraes Huszar and Yocie Yoneshigue-Valentin

Honorable Mention - Presentation Session of the Science and Culture Forum (FCC)

Grantor: 11th UFRJ Academic Integration Week

Honored: Fabio Castanheda. Vera Huszar (advisor)

Presentation: Efeito da aplicação da técnica para remoção de cianobactérias (Floc & Lock)

Honorable Mention - Presentation Session of the Science and Culture Forum (FCC)

Grantor: 11th UFRJ Academic Integration

Honored: Victoria Nascimento da Silva, Cristiana Koschnitzke (advisor)

Presentation: As abelhas têm preferência por algum tipo de flor?

Honorable Mention - Presentation Session of the Science and Culture Forum (FCC)

Grantor: 11th UFRJ Academic Integration Week

Honored: V. Andrade, N. F. M. Medeiros, V. L. C.Barbosa, B. Lopes, M. A. D. Vicente, N. M. Tutunii, L. W. Azevedo, R. Patzlaff, T. C. J. P. Capucho, R. Scheel-Ybert

Presentation: Produção científica nas redes sociais do Laboratório de Arqueobotânica e Paisagem do Museu Nacional

Honorable Mention - Presentation Session of the Science and Culture Forum (FCC)

Grantor: 11th UFRJ Academic Integration Week

Honored: T. B. Santos, G. C. S. Santana, T. S. Ribeiro, M. Aguiar, L. Costa, T. A. Spolidoro, P. R. M., C. P. S. Alves, A. B. S. Sacramento, T. P. Wang, J. C. Medeiros, V. P. Silva Presentation: Museu Nacional Lives: um museu feito de gente

Honorable Mention – Presentation Session of the Science and Culture Forum (FCC)

Grantor: 11th UFRJ Academic Integration Week Honored: C. V. M. Costa, K. M. Santos, G. F.

Petrungaro, M. O. Sousa, L. Alves, F. S. Oliveira, L. E. P. Carmo, F. V. C. Leal, E. R. S. Araújo, S. N. Villas Boas, F. M. O. Nascimento Presentation: Projeto O Museu Nacional Lives nas Escolas

Honorable Mention – Presentation Session of the Science and Culture Forum (FCC)

Grantor: 11th UFRJ Academic Integration Week

Honored: B. G. C. Pereira, Y. N. X. Freire, V. P. Silva, K. S. Oliveira, A. F. G. Amaral Presentation: História Oral e Memória: uma análise das narrativas sobre o Museu Nacional

Honorable Mention – Presentation Session of the Science and Culture Forum (FCC)

Grantor: 11th UFRJ Academic Integration Week

Honored: L. P. Silva, M. V. Souza

Presentation: As famílias real/imperial do Brasil: vida privada, cultura, coleções e ciência

Honorable Mention – Doctoral Thesis

Grantor: CAPES

Honored: Rosa Cavalcanti Ribas Vieira; Frederico Neiburg (advisor)

Thesis: Óleo de Palma, Pessoa e Casa na Flo-

resta do Mayombe

Honorable Mention - Doctoral Thesis

Grantor: SBHC

Honored: Crenivaldo Veloso; Heloisa Maria

Bertol Domingues (advisor)

Thesis: O Artesanato da Produção Acadêmica: histórias, coleções e saberes na trajetória de Heloisa Fénelon

Award: Gold Medal in Creative Nonfiction

Grantor: Independent Publisher Book Awards Honored: Aparecida Vilaça Book: Paletó and Me: Memories of my indigenous father





SYNTHETIC STATEMENT OF REVENUES AND **EXPENSES IN 2022**

1. UFRJ General Budget - Expenses (R\$)











SUBTOTAL 6,881,006.42

Others

Vehicles maintenance 114,304.51

Vehicles fuel 60,770.81

Special waste insurance 9,289.00 8,223.01

Allowances

and tickets

14,867.94

Grant 7XE1 MN Restoration 6,240,288.00

Postal service / Dicom 3,475.90

SUBTOTAL 6,451,219.17

GENERAL TOTAL 13,332,225.59

2. 2. PARTICIPATORY BUDGET AND OTHER SOURCES OF UFRJ



BUDGET REVENUES (R\$)

Supplies	100,546.53
PJ Services	78,306.00
Permanent	53,380.00
total	232,232.53

CREDITS OF PROAP/PNPD

PROAP/ PNPD	67,702.00	PROFLLIND	-
Supplies and tickets	-	PQI	-
Entomology	-		

MUSEU IN NUMBERS

OTHER CREDITS (R\$)

Grant 7XE1 MN Restoration	85,494.40
Building maintenance	300,000.00
Individual amendment	95,187.76

SUBTOTAL 480,682.16

BUDGET EXPENSES (R\$)

Supplies	58,789.85
PJ Services	95,886.00
Permanent	62,804.30
	217,480.15

EXPENSES OF PROAP/PNPD/PQI/OTHERS (R\$)

PROAP/PNPD	67.048,02	PROFLLIND	-
Supplies and tickets	-	PQI	-
Entomology	-		

EXPENSES OF OTHERS CREDITS VALUE RETURNED FOR NON-USE

Grant 7XE1 MN Restoration	85.494,40
Individual amendment	299,289,26
Building maintenance	95.187,76
	479.971,42

Museu Nacional	14,752.38
PROAP/PNPD	653.80
Other credits	710.74
	16,116.92

REVENUES 780.616,69

EXPENSES 764.499,59

TOTAL RETURNED 16.116,92

3. EXPENSES WITH PERSONNEL (PERMANENT STAFF)

REMUNERATION 42.872.792,31 GROSS VALUE

4. 4. SAMN - ASSOCIAÇÃO AMIGOS DO MUSEU NACIONAL BALANCE IN DEZ/21 - 36.823.898,31

Revenues	
Consulate General of Germany	3.720,74
SOS Museu Nacional Campaign	164.045,99
Live Books at the Museum	31.812,27
VALE/Etnologia Sponsorship	36.422,85
Funbio - Contract 067/2021	577.846,23
Funbio - Contract 126/2021	961.115,70
Funbio - Contract 185/2021	393.396,61
VALE/PMNV Sponsorship	1.492.297,34
Museu Nacional	822.469,64
Wenner Gren 2021	104.800,00
Wenner Gren 2022	103.020,00
Pronac 160400 - PF/PJ	6,01
Pronac 160172 - BNDES	15.135.217,48
Pronac 170378 - BNDES/ Bradesco	600.919,29
Pronac 202773 BNDES/Bradesco	12.779.985,74
Pronac - 180577 Vale/Mineralogy	313.119,89
Pronac 205167 Museum in Action	53.472,25
Pronac 212919 Library modernization. Horto	6.627.571,61
Group amendment (Congressmen RJ)	1.025.466,41
Total	41.226.706,05

Expenses	
Girls with Science	13.860,00
Consulate General of Germany	499.866,25
SOS Museu Nacional Campaign	262.702,48
Live Books at the Museum	24.637,99
VALE/Etnologia Sponsorship	412.970,38
Support to the Board/SAMN	19.790,37
Funbio - Contr 067/2021	707.600,01
Funbio - Contr 126/2021	657.351,84
Funbio - Contr 185/2021	502.832,45
VALE/PMNV Sponsorship	1.022.050,49
Princeton University	48.000,00
Museu Nacional	315.855,41
Wenner Gren 2021	104.800,00
Wenner Gren 2022	100.942,48
Pronac 160400 - PF/PJ	1.260,87
Pronac 160172 - BNDES	18.067.134,74
Pronac 170378 - BNDES/ Bradesco	4.304.332,28
Pronac 202773 BNDES/Bradesco	20.163.645,53
Pronac - 180577 Vale/Mineralogy	1.473.638,27
Pronac 205167 Museum in Action	32.232,65
Library	635.719,99
Group amendment (Congressmen RJ)	1.203.472,63
Others	6.441,77
Total	50.581.138,88

5. CAPES - Coordination for the Improvement of Higher Education Personnel

Emergency Support to the Museu Nacional Posgraduate Programs in 2018	COSTING	CAPITAL
Balance in Dez/2021	94.853,43	28.224,56
Expenses of the period	94.853,43	28.224,56
Balance in Dez/2022	-	

6. PROEX - CAPES EXCELLENCE PROGRAM

	ANTHROPOLOGY	ZOOLOGY
Inicial balance	-	-
Revenues of the period	137.256,00	125.628,00
Expenses of the period	57.816,40	73.521,97
Balance in Dez/22	79.439,60	52.106,03

Staff Civil Servants

	PROFESSORS	TAES
Working	81	211
Retired	5	7
Hired	0	0
Dismissed	1	0
Deceased	0	4
Moved to Museu Nacional	1	0
Moved to UFRJ-PR4	0	0
Appointed	3	3

SUMMARY OF REVENUES	Revenues		Expenses	
	2021	2022	2021	2022
Personnel	43.469.739,28	42.872.792,31	43.469.739,28	42.872.792,31
UFRJ General Budget	7.624.923,86	13.332.225,59	7.624.923,86	13.332.225,59
Participatory Budget/UFRJ	138.119,72	232.232,53	137.892,63	217.480,15
Parliamentary Amendments	-	385.494,40	-	385.494,40
Building Maintenance	-	95.187.76	-	95.187,76
Postgraduation	67.702,00	67.702,00	67.701,03	67.048,02
FUJB*	30.984,65	30.984,65	30.984,65	30.984,65
SAMN	13.526.117,81	41.226.706,05	16.876.414,36	50.581.138,88
Capes Emergency Support	-	-	117.862,43	123.077,99
PROEX	428.855,09	262.884,00	283.046,88	131.338,37
TOTAL	65.286.442,41	98.506.209,29	68.608.565,12	107.836.768,10

Balance	DEZ/2021	DEZ/2022
SAMN	27.469.465,48	27.469.465,48
Capes Emergency Support	123.077,99	-
PROEX	300.219,03	131.545,63
TOTAL	27.892.762,50	27.601,011.11

^{*} Committed value in 2022, to be implemented in 2023. ** Estimated value.

ANNUAL BUDGET COMPARED TO OTHER MUSEUMS

American Museum of Natural History - New York, USA

(2021-2022)



Field Museum of Natural History - Chicago, USA

(2020-21)



R\$8,805,961,344.63 U\$ 1.687.903.499.00

Royal Ontario Museum, Toronto, Canada

(2021-22)



R\$1.604.572.835,60 C\$416.318.000.00 (Canadian dollars)

Museum für Naturkunde, Berlin, Germany

(2022)



R\$151.411.520,00 €27.200.000,00

Natural History Museum Vienna, Vienna, Austria



R\$114.254.465,00 € 20.525.000,00

Museu Nacional/UFRJ, Rio de Janeiro, RJ

(2022)



R\$ 98.506.209,29

Australian Museum, Sydney, Austrália





(2021/2022) **R\$ 8,532,912.33** (Australian dollars)

Sources:

American Museum of **Natural History**

Field Museum of Natural History

Royal Ontario Museum

Museum für Naturkunde

Australian Museum

U\$1 = R\$5.2171 C\$1 = R\$3.8542 A\$1 = R\$3.5445

€1 = R\$5.5666

Brazilian Central Bank, December 31,2022

SOLIDARITY CAMPAIGN

This campaign was conceived in April 2020 by Luciana Witovisk Gussella from the Department of Botany due to the coronavirus pandemic, and its objective is to mobilize the public servants of our institution to collaborate with workers associated with our community. Between January and April 2022, the campaign raised R\$11,490, benefiting Carlos Luciano Paulino Machado, José Gonçalves dos Santos and Miguel Camilo de Oliveira. This was made possible by the contributions of 42 public servers, below related in alphabetical order. In two years, the campaign collected R\$98,530.

We thank everyone involved

-Adriana da Silva Ornellas

-Adriana de Resende Barreto Vianna

-Alexandre Dias Pimenta

-Amanda Thomaz Cavalcanti

-Andersen Liryo

-Andrea Ferreira da Costa

-Angela Maria Camardella Rabello

-Bárbara de Sá Haiad

-Claudine Borges Leite

-Dante Teixeira

-Dulce Maranha Paes de Carvalho

-Eliane Ezagui Frenkel

-Eliane Guedes

-Fernanda de Lima Souza

-Fernanda Guedes

-Gabriel Mejdalani

-Gabriela Abrantes Jardim -Edmundo Pereira

-Joana Zanol

-John Cunha Comerford

-Luciana Barbosa de Carvalho

-Luciana Witovisk Gussella -Luiz Fernando Dias Duarte

-Manoela Woitovicz Cardoso

-Marcela L. Monné Freire

-Marcelo Ribeiro de Britto

-Marcelo Weksler -Marcia Souto Couri

-Maria da Graça Sophia

-Mariângela Menezes

-Mauricio Monteiro

-Murilo Quintans Ribeiro Bastos

-Pedro Henrique M. de Sousa

Pinna

-Rachel Correa Lima

-Regina M. Macedo Costa

Dantas

-Renata de Castro Menezes

-Rita Scheel-Ybert

-Sergio Alex Kugland de Azevedo

-Sonia Regina Camargo

-Taís C. Jacinto Pinheiro Capucho

-Ulisses Caramaschi

-Valéria Cid Maia

LIST OF ABBREVIATIONS AND ACRONYMS

BNDES: Banco Nacional de Desenvolvimento Econômico e Social/ Brazilian Development Bank

BFK: Biblioteca Francisca Keller/Francisca Keller Library

CAPES: Coordenação de Aperfeiçoamento de Pessoal de Nível Superior/Coordination for the Improvement of Higher Education Personnel

CAU: Conselho de Arquitetura e Urbanismo/Council of Architecture and Urbanism

CE: Ceará

CELIN: Centro de Documentação em Línguas Indígenas/Indigenous Language Documentation Center

CNEA: Cadastro Nacional de Entidades Ambientalistas/National Registry of Environmental Entities

CNPq: Conselho Nacional de Desenvolvimento Científico e Tecnológico/ Brazilian Council for Scientific and Technological Development

CPEMN: Campus Pesquisa e Ensino Museu Nacional/Museu Nacional/UFRJ Research and Teaching Campus

CPN: Cemitério dos Pretos Novos/Pretos Novos Cemetery

DA: Departamento de Antropologia/ Department of Anthropology

DB: Departamento de Botânica/ Department of Botany DE: Departamento de Entomologia/ Department of Entomology

DGP: Departamento de Geologia e Paleontologia/Department of Geology and Paleontology

DI: Departamento de Invertebrados/ Department of Invertebrates

D.Sc.: Doutor das Ciências/Doctor of Science

DV: Departamento de Vertebrados/ Department of Vertebrates

EBSL: Estação Biológica de Santa Lúcia/ Santa Lúcia Biological Station

EMKP: Endangered Material Knowledge Program

ETU: Escritório Técnico Universitário/ University Technical Office

EUA: Estados Unidos/United States

FAPERJ: Fundação de Amparo à Pesquisa do Estado do Rio de Janeiro/State Research Foundation of the State of Rio de Janeiro

FCC: Fórum de Ciência e Cultura/Forum of Science and Culture

FEAMBRA: Federação de Amigos de Museus do Brasil/Federation of Friends of Brazilian Museums

FUNBIO: Fundo Brasileiro para a Biodiversidade/Brazilian Fund for Biodiversity GeoQuater: Curso de Especialização em Geologia do Quaternário/Specialization Course in Quaternary Geology and Geological Heritage

GNA: Natural Gas Working Group

Ha: Hectares

ICV: Instituto Coral Vivo/Living Coral Institute

IFCS: Instituto de Filosofia e Ciências Sociais/Philosophy and Social Sciences Institute

IFRJ: Instituto Federal do Rio de Janeiro/ Federal Institute of Rio de Janeiro

IMB: Instituto Meros do Brasil/Institute Meros of the Brazil

Infraero: Empresa Brasileira de Infraestrutura Aeroportuária/Brazilian Airport Infrastructure Company

INMA: Instituto Nacional da Mata Atlântica/National Institute of the Mata Atlântica

IPHAN: Instituto do Patrimônio Histórico e Artístico Nacional/National Historical and Artistic Heritage Institute

Núcleo de Resgate de Acervos: Collections Rescue Center

JICTAC: Jornada Giulio Massarani de Iniciação Científica, Tecnológica, Artística e Cultural/Giulio Massarani Journey of Scientific, Technological, Artistic and Cultural Initiation LAH: Laboratório de Arqueologia Histórica do Museu Nacional/Museu Nacional Laboratory of Historical Archaeology

LCCR: Laboratório Central de Conservação e Restauração/Central Laboratory for Conservation and Restoration

MAR: Museu de Arte do Rio/Rio Art Museum MCTI: Ministério da Ciência, Tecnologia e Inovação/Science, Technology and Innovation Ministry

MG: Minas Gerais

MN: Museu Nacional

MPF/RJ: Ministério Público Federal no Rio de Janeiro/Federal Public Ministry in Rio de Janeiro

M.Sc.: Mestre das Ciências/Master of Science

Na: Não se aplica/Not applicable

NuCE: Núcleo de Comunicação e Eventos/ Communication and Events Center

PIC JR: Programa de Iniciação Científica Júnior/Junior Scientific Initiation Program

PMNV: Projeto Museu Nacional Lives// Museu Nacional Lives Project

PPGArq: Programa de Pós-graduação em Arqueologia/Graduate Program in Archaeology

PPGAS: Programa de Pós-graduação em Antropologia Social/Graduate Program in Social Anthropology

PPGBot: Programa de Pós-graduação em Ciências Biológicas (Botânica)/Graduate Program in Biological Sciences (Botany) PPGeo: Programa de Pós-graduação em Geociências (Patrimônio Geopaleontológico)/Graduate Program in Geosciences (Geopaleontological Heritage)

PPGZoo: Programa de Pós-graduação em Ciências Biológicas (Zoologia)/Graduate Program in Biological Sciences (Zoology)

PROFLLIND: Programa de Mestrado Profissional em Linguística e Línguas Indígenas/Professional Master's Program in Linguistic and Indigenous Languages

PRONAC: Programa Nacional de Apoio à Cultura/National Program for Cultural Support

PV: Paleovertebrados/Paleovertebrates

RCPoL: Rede Catálogos Polínicos Online/ Online Pollen Catalog Network

RJ: State of Rio de Janeiro

RPPN: Reserva Particular do Patrimônio Natural/Private Natural Heritage Reserve

S/A: Sociedade anônima/Joint-stock company

SAE: Seção de Assistência ao Ensino/ Teaching Assistance Section

SAMN: Associação dos Amigos do Musei Nacional/Association of Friends of the Museu Nacional

SAPPGAS: Seminário dos Alunos do Programa de Pós-Graduação em Antropologia Social/Student Seminar of the Graduate Program in Social Anthropology

SBHC: Sociedade Brasileira de História da Ciência/Brazilian Society of the History of Science SEFIC: Secretaria Nacional de Fomento e Incentivo à Cultura/National Secretariat for Cultural Promotion and Incentive

SEMEAR: Seção de Memória e Arquivo/ Memory and Archive Section

SEMU: Seção de Museologia/Museology Section

SiB-Br: Sistema de Informação sobre a Biodiversidade Brasileira/Brazilian Biodiversity Information System

SIMAP: Sistema de Museus, Acervos e Patrimônio Cultural/Museum, Collections and Cultural Heritage System

SME: Secretaria Municipal de Educação/ Municipal Secretary of Education

SPK: Stiftung Preußischer Kulturbesitz

TI: Tecnologia de Informação/Information technology

UEA: University of East Anglia

UFRJ: Universidade Federal do Rio de Janeiro/Federal University of Rio de Janeiro

UnB: Universidade de Brasília/University of Brasília

UNESCO: Organização das Nações Unidas para a Educação, a Ciência e a Cultura/ United Nations Educational, Scientific and Cultural Organization

XRF: Fluorescência de raios X/X-ray fluorescence spectrometry

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