

EXECUTIVE SUMMARY
STRATEGIC INTERNATIONALIZATION PROJECT
UFSCar



Pró-Reitoria de
Pós-Graduação
UFSCar



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1 SUMMARY

This executive summary englobes the proposal of the Federal University of São Carlos (UFSCar) to participate in CAPES Public Notice n. 41/2017 - CAPES - Institutional Program of Internationalization (CAPES-PRINT).

2 PRESENTATION

The Federal University of São Carlos (UFSCar) since April 2017 has been raising internationalization indicators for the elaboration of a strategic plan for internationalization based on the Institutional Project, based on its priority thematic areas. The Strategic Internationalization Project (SIP) of UFSCar, entitled "Developing global knowledge and cultivating intercultural competences", listed priority topics for research in the Graduate Programs (GP), based on indicators from the Scival platform, considering production as well as its innovative character and with a focus on the international projection of faculty team, research laboratories and funding of development over the years. Figure 1 below represents the performance of the research areas as well as the impact of UFSCar citations.

Overall research performance

Publications	Citations	Authors	Field-Weighted Citation Impact	Citations per Publication
7,434 ▲	31,497	5,539 ▲	0.87	4.2

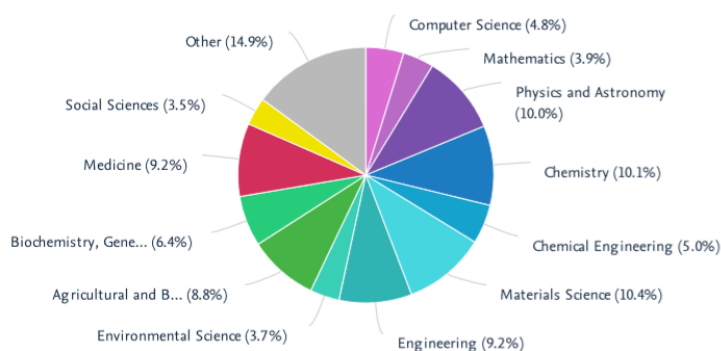


Figure 1: Overall research performance and percentage contribution of the areas. Survey of the Scival database, February 2018.

In addition, we consider appropriate to record that the research developed at UFSCar demonstrates high quality, ranking above the Brazilian average in some cases, according to Figure 2. However, we still need to improve the collaboration rate with the partner institutions abroad, according to Figure 3. We know that there is potential to

expand GP internationalization strategies at UFSCar, as will be demonstrated in this plan.

Performance indicators

Outputs in Top Citation Percentiles

Publications in top 10% most cited worldwide



Publications in Top Journal Percentiles

Publications in top 10% journals by CiteScore Percentile



Figure 1: Performance indicators, which show percentages of citation higher than the total percentage of Brazil. Scival, February 2018.

International Collaboration

Publications co-authored with Institutions in other countries



Academic-Corporate Collaboration

Publications with both academic and corporate affiliations



Figure 2: International collaboration indicators, which show percentages of international collaborations slightly below the total percentages of Brazil. Scival, February 2018.

In Figures 2 and 3, it is noted, therefore, that the expansion of international collaborations will certainly have a great impact on the internationalization of research in the Graduate Programs at UFSCar. With this, it will be concretely possible to project ~~the~~ UFSCar to high levels of internationalization, since the existing researches demonstrate superior quality to the total percentages of the Brazilian research.

In this context, a working group was composed by internationally renowned researchers from UFSCar as well as members of ~~the~~ UFSCar management team who listed the potential forces for the achievement of the SIP:

1. Institutional commitment articulated among the administrative structure, faculties and researchers, in a participatory and active way;
2. Elaboration of inclusion of new contents to expand research strategies, representing the institutional themes and the involvement of the

internationalized and globalized curriculum, incorporating the abroad experiences in the curriculum;

3. Expand faculty and student incoming and outgoing mobility, focusing on strategic countries;
4. Strengthen existing collaboration and expand external collaborations, especially in strategic countries, within institutional issues, with a view to broadening collaborations, especially co-sponsorship and double degree, as well as joint scientific production, thus increasing international visibility of UFSCar in the topics listed and projecting it to levels of higher international indicators.

3 WORK METHOD

In order to achieve our objectives, UFSCar has assembled a qualified team for the preparation of the Strategic Internationalization Plan (SPI) of the Graduate Program: Dean of Graduate Programs, Center Directors, Graduate Program Coordinators and Researchers of recognized international competence, besides UFSCar technical-administrative staff belonging to the agencies involved in internationalization at the institution: International Relations Office (SRInter) and Languages Institute (IL).

Through online questionnaires, strategic meetings and survey of institutional indicators, the entire academic community was invited to participate in this SIP. One of the management tools used was the SWOT Analysis, highlighting the strengths, weaknesses, opportunities and threats to the institutional project.

The SIP was approved by the Graduate Programs Council formed by representative members, as coordinators of Graduate programs, graduate students and technical-administrative staff on March 28, 2018. In this context, we emphasize that there is a strong commitment of UFSCar administration and academic community to the execution, monitoring and evolution of the SIP.

4 INSTITUTIONAL COUNTERPARTS

The management of the SIP will mainly collaborate to broaden the internationalization culture in the university. UFSCar has financial support to maintain and expand internationalization strategies, such as the maintenance of dedicated administrative units, promoting greater dissemination of international strategies at home. In addition, UFSCar relies on numerous national and international research collaborations, by international agreements and / or projects in progress, with resources

in capital, funding and scholarship, supported by the main development agencies in Brazil and abroad. These resources made available, along with those requested in this project to CAPES, will provide unique institutional and personal development opportunities for the researchers and Graduate Programs involved.

5 GRADUATE PROGRAMS AND COLLABORATION PROJECTS

UFSCar can be classified as one of the best federal universities in the country in the area of Internationalization and managed to achieve this recognition mainly due to its **Graduate** Programs with grades 7 and 6 in CAPES.

UFSCar currently has 56 Graduate Programs, 25 of which participate in this proposal. Among those 53 GPs, four are graded 7 and three are graded 6 at CAPES. Thus, it can be verified that there is still a large percentage of graduate programs that, despite the punctual experiences with reputed institutions abroad, still need to reach international reference levels. In addition, these Graduate Programs face difficulties in obtaining financial resources to stimulate the activities of sending researchers abroad and receiving foreign visitors in the country. The support obtained is still insufficient when facing the graduate programs demands and the installed capacity of the Institution.

The achievement of a project that is in synergy with experienced GP and other GP with high development potential is one of the strengths identified in this proposal. Table 1 presents a view of GP participation in the priority themes. Considering the above, it is relevant and highly desirable to implement CAPES-PRINT to allow the internationalization goals proposed in our plan to have the expected success.

N.	Graduate Program	Abbreviation	CAPES Note	Theme 1	Theme 2	Theme 3	Theme 4	Theme 5
				Education	Sustainability	Materials	4.0 Industry	Health
1	Materials Science and E	PPGCEM	7			x	x	
2	Chemical engineering	PPGEQ	7		x	x	x	x
3	Chemistry	PPGQ	7		x	x		x
4	Physiotherapy	PPGft	7					x
5	Special education	PPGEEs	6	x				
6	Psychology	PPGpsi	6	x				
7	Sociology	PPGS	6	x			x	
8	production engineering	PPGEP	5				x	
9	Social Anthropology	PPGAS	5	x				
10	political science	PPGPOL	5	x				
11	Philosophy	PPGFil	5	x				
12	Education	PPGE	5	x				
13	Biotechnology	PPGBiotec	4			x		x
14	Computer science	PPGCC	4				x	x
15	Urban Engineering	PPGEU	4				x	
16	Structures and Civil Con	PPGECiv	4			x	x	
17	Mathematics	PPGM	4			x	x	
18	environmental Sciences	PPGCAM	4		x			
19	Physiological Sciences	PIPGCF	4					x
20	Ecology and Natural Res	PPGERN	4		x			
21	Evolutionary Genetics a	PPGGEv	4		x			X
24	Literature Studies	PPGLit	4	x				
25	Linguistics	PPGL	4	x				
26	Biotechnology and	PPGBMA-So	4		x			
27	Planning and Use of	PPGPUR-So	4		x			
			Number of Graduate Program	9	7	6	8	7

Table 1: Participation of the Graduate Programs in the priority themes and CAPES evaluation score.

In this way, the executive summary of this institutional project of internationalization briefly presents the main information of the five thematic axes.

5.1 Project “Strategic Materials”

The sustainable development of the planet implies a growing demand for new strategic materials. In Brazil, there are abundant resources in minerals, biomass, petroleum and other input of strategic importance, making even more pressing the prospection for new technologies for the development of materials and processes of higher added value, designed to obtain the maximum performance in applications of interest.

The proposal of this theme is based on UFSCar role in studies involving materials and its multidisciplinary character. This theme will consolidate UFSCar as a Center of

Excellence in Materials, with the training of hundreds of masters and doctors, registration of dozens of patents and the publication of hundreds of international articles in the last four years. The internationalization actions will be directed in the following sub-areas: Materials for Energy; Nanoscience and Nanotechnology; Biomaterials and Renewable Materials; Innovative Processes and Computational Modeling and Simulation, as it can be seen in Figure 4.

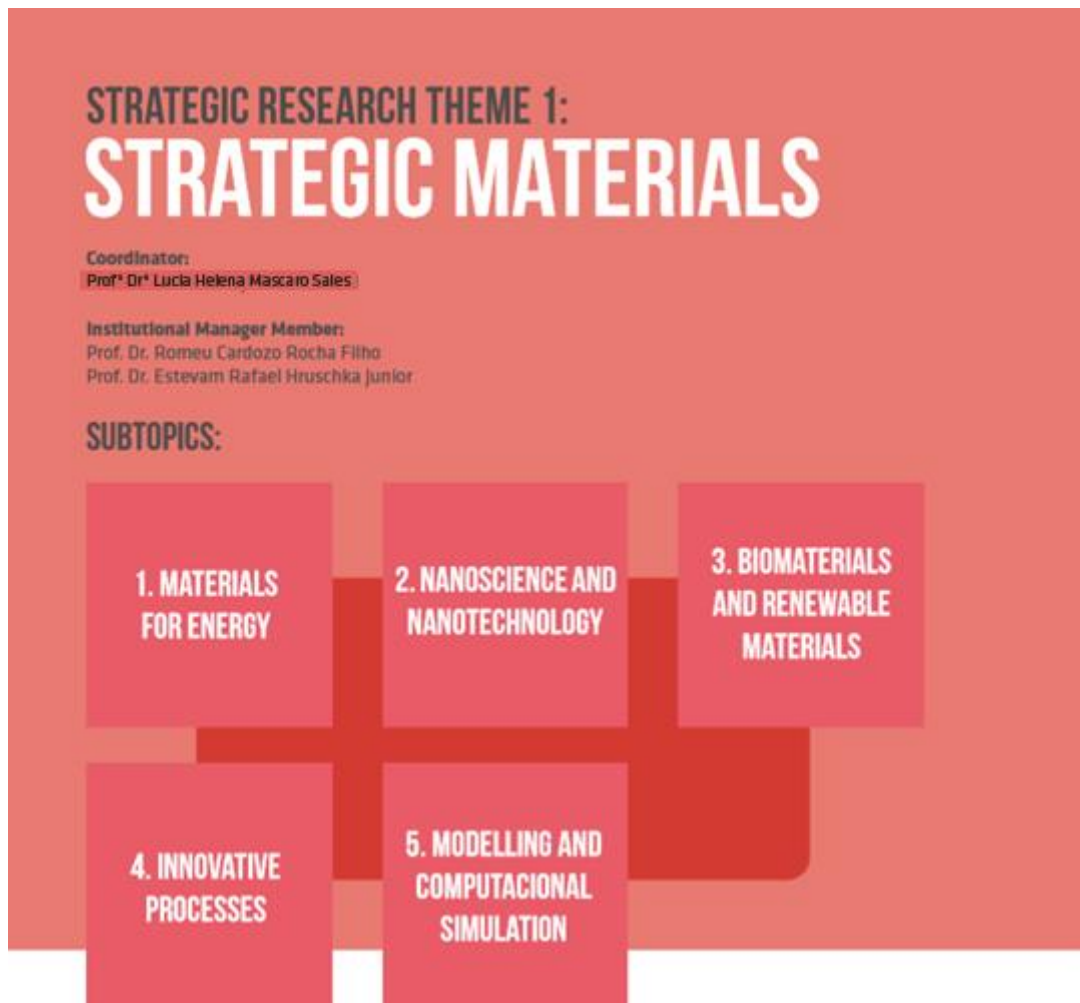


Figure 4: Schematic representation of the Project "Strategic Materials"

5.2 Project "Industry and Urban Revolution - Industry 4.0 and the Smart Cities"

Technological innovations challenge the "status quo" and may in a few years change completely as the current society interacts in their work and social environments. Technological innovations such as Artificial Intelligence, 3D printing, stand-alone vehicles, the Internet of things, machine-assisted processes, biotechnological processes, new work organization technologies and new

environmental sustainability tools are among the development priorities of this proposal. Unlike the previous revolutions, we have a change that occurs at great speed, breadth and depth in technological and social terms, that occur in the world and lack investments. Brazil cannot wait for the research and development of a strategic order, that will impact all productive sectors, but especially industries and cities, to occur in an exogenous and decontextualized way of our reality.

UFSCar aggregates several Graduate Programs and research that accredit the present proposal, which has in multidisciplinary its strongest point. Figure 5 shows the detail of theme 2.

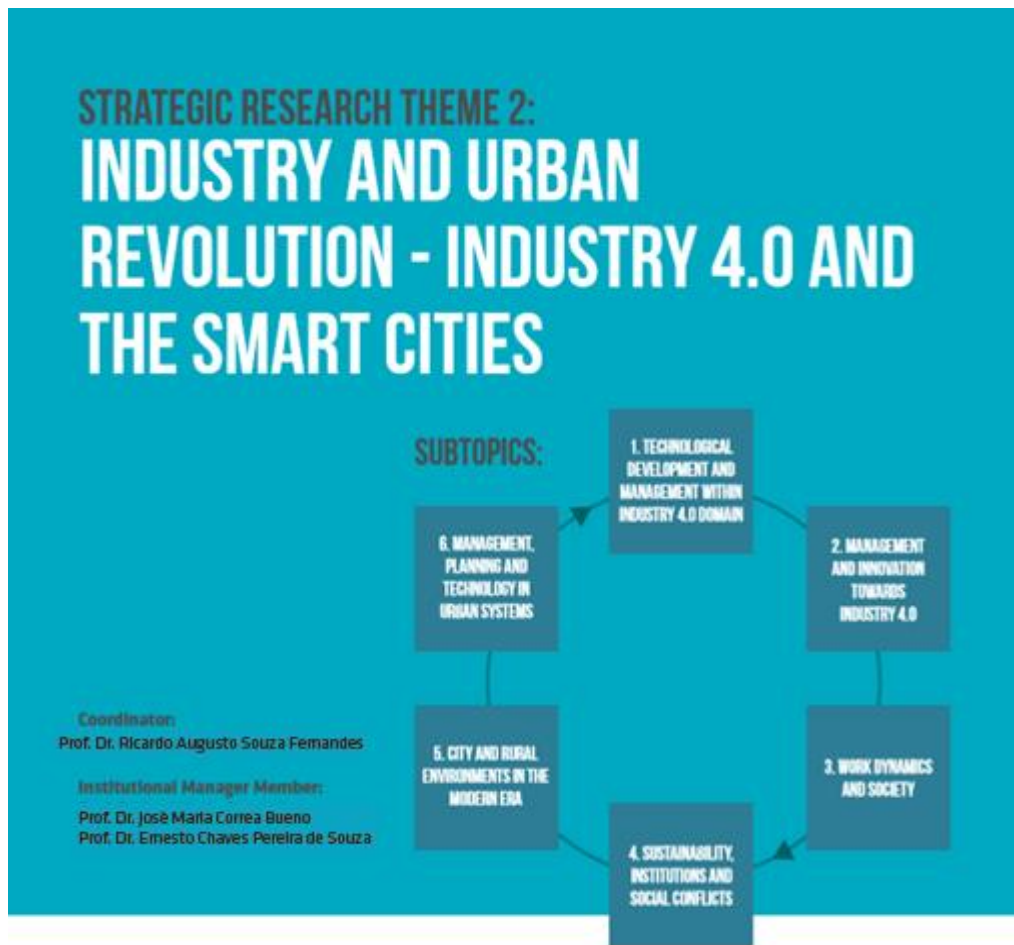


Figure 5: Schematic representation of the "Revolution in Industries and Cities: Industry 4.0 and Smart Cities"

5.3 Project "Education and human processes for social changes"

This proposal integrates the research areas of the Graduate Programs of the areas related to Human Sciences of UFSCar and other interface areas.

The proposal presents an innovative character since it is aligned with the institution's competences and with central issues in Brazilian society: knowledge

production and scientific dissemination; new epistemologies of science in the training of scientists; equity in access to education and knowledge; policies, educational organization and inclusion; development and evaluation of educational, instructional and teaching technologies, according to Figure 6. These topics refer to trends in Brazilian public policies and are aligned with the objectives set for education, science and social technologies. The objective is to produce and disseminate innovative solutions, as well as to create indicators to elaborate and to base public policies that guarantee inclusion, considering socioeconomic and cultural aspects and the improvement in the quality of life of the population.



Figure 6: Schematic representation of the Project "Education and human processes for social transformations"

5.4 Project "Integrated technologies for health: from prevention to rehabilitation"

The development, incorporation and use of technologies in health systems, as well as their sustainability, are embedded in social and economic contexts that derive from the continuous production and consumption of goods and products. The health system is influenced by public policies and by the strengthening of the role of its professionals and users, who, together, exert strong pressure for the incorporation of new

technologies. In this way, the study of the different technologies, their biomedical consequences and their social cost, especially for the prevention, treatment and rehabilitation of numerous chronic diseases.

UFSCar has conducted research involving the use of various technologies (devices for diagnosis and prevention of diseases, use of engineering, chemistry, mathematics, physics and computing as well as for health management) as it has used various resources technological and innovative approaches to pharmacological and non-pharmacological interventions to prevent, treat and rehabilitate individuals at different stages of life. Rehabilitation research has its strongest point in the International scenario and has been compared and recognized internationally. Figure 7 presents the basic outline of the subtopics that will be addressed in this project.



Figure 7: Schematic representation of the project "Integrated Technologies for Health: from prevention to rehabilitation"

5.5 Project "Biodiversity, ecosystem functions and sustainability"

According to the recent publication of the Regional Diagnosis on Biodiversity and Ecosystem Services in the Americas, prepared by the Intergovernmental Platform on Biodiversity and Ecosystem Services (IPBES), it is estimated that about 30% of the

biodiversity populations of the Americas have already declined since the beginning of European colonization and this number should increase in the coming years. At the axis of this scenario is the human and his disordered actions, promoting deforestation and the consequent fragmentation and loss of habitats, poaching, roadkills, pollution and climate changes.

The theme "Biodiversity, Ecosystem Services and Sustainability" has a strategic dimension that intends, in an integrated and multidisciplinary way, the integral development of scientific and technological knowledge, able to base the priority actions of conservation of biodiversity, sustainable use of natural resources, health environmental and human well-being, mitigation and adaptation to climate change. Figure 8 briefly describes how this will be worked out within UFSCar.



Figure 3: Schematic representation of the "Biodiversity Project, ecosystem functions and sustainability"

6 Proposed project execution

Sequentially, the necessary budgetary resources and the schedule of activities for the full implementation of this proposal will be briefly justified and presented, as indicated in item 4. OF THE FINANCING AVAILABLE from the CAPES-PRINT public notice.

The eligibility criteria for selection of beneficiaries in UFSCar will follow item 3.4.1.9 of the CAPES-PRINT Public Notice and will be based on indicators and merit requirements previously established and detailed by the Management Committee and the process will be conducted in a transparent manner and with the possibility of appealing to the interested parties.

Appendix A to E present the quantities requested in each collaborative project in detail. Appendix F and G present the annual global requests and the global requests by project, respectively.

7 Goals to 2018-2022

Goal #1: Attract more international graduate students: Increase the number of foreign students from 3 to 10%.

Goal #2: Increase the number of foreign faculty members: Increase the number of foreign faculty members and visitors to 8%.

Goal #3: Increase the number of faculty members with medium or long-term experience abroad: Have more than 60% of UFSCar faculty member with medium or long-term experience abroad.

Goal #4: Increase the number of doctorate students with experience abroad in strategic countries: Double the number of students in exchange doctorate programs.

Goal #5: Increase collaborative scientific production with strategic partnerships: Increase the number of collaborative scientific production with strategic partners in 100%.

Appendix A - Demand and Schedule of Requests for the project "Strategic Materials"

		Quantities				Values (R\$)				Subtotal	%
		2019	2020	2021	2022	2019	2020	2021	2022		
INTERNATIONAL COOPERATION PROJECTS											
Activities Abroad	Units	4	4	4	5	65.289,00	65.289,00	65.289,00	81.612,00	277.479,00	3%
1) Mission in research projects in international cooperation	Units	3	3	3	4	47.368,80	47.368,80	47.368,80	63.158,40	205.264,80	2%
daily (7 a 20 days)	days	7	7	7	7	27.972,00	27.972,00	27.972,00	37.296,00	121.212,00	1%
Displacement aid	Units	3	3	3	4	18.424,80	18.424,80	18.424,80	24.566,40	79.840,80	1%
Health insurance	Units	3	3	3	4	972,00	972,00	972,00	1.296,00	4.212,00	0%
2) International congresses and events, with technical visits to project new partnerships	Units	0	0	0	0	-	-	-	-	-	0%
3) Mission to enable co-insurance between PPG courses	Units	1	1	1	1	15.789,60	15.789,60	15.789,60	15.789,60	63.158,40	1%
daily (7 a 20 days)	days	7	7	7	7	9.324,00	9.324,00	9.324,00	9.324,00	37.296,00	0%
Displacement aid	Units	1	1	1	1	6.141,60	6.141,60	6.141,60	6.141,60	24.566,40	0%
Health insurance	Units	1	1	1	1	324,00	324,00	324,00	324,00	1.296,00	0%
											0%
Scholarships abroad - WITHOUT locality		25	25	23	23	1.203.696,00	1.203.696,00	1.137.751,20	1.137.751,20	4.682.894,40	55%
1) Senior Visiting Professor (between 3 and 12 months)	qty.	4	4	4	4	262.713,60	262.713,60	262.713,60	262.713,60	1.050.854,40	12%
	months	6	6	6	6						
1) Junior Visiting Professor (between 3 and 12 months)	qty.	6	6	6	6	363.830,40	363.830,40	363.830,40	363.830,40	1.455.321,60	17%
	months	6	6	6	6						
3) Doctorale internship (between 6 and 12 months)	qty.	13	13	12	12	526.219,20	526.219,20	485.740,80	485.740,80	2.023.920,00	24%
	months	6	6	6	6						
4) Training (up to 3 months)	qty.	2	2	1	1	50.932,80	50.932,80	25.466,40	25.466,40	152.798,40	2%
	months	3	3	3	3						
Country Activities											
Scholarship - Brazil		17	16	16	16	887.082,25	870.926,96	870.926,96	870.926,96	3.499.863,13	41%
1) Visiting Professor in Brazil (minimum duration of 15 days and maximum of 12 months , up to 3 periods)	qty.	9	8	8	8	145.397,61	129.242,32	129.242,32	129.242,32	533.124,57	6%
	months	0,5	0,5	0,5	0,5						
2) Young Talent with experience abroad (minimum duration of 6 months and maximum of 36 months)	qty.	4	4	4	4	464.442,32	464.442,32	464.442,32	464.442,32	1.857.769,28	22%
	months	12	12	12	12						
3) Posdoctoral studies from abroad (minimum duration of 6 months and maximum of 36 months)	qty.	4	4	4	4	277.242,32	277.242,32	277.242,32	277.242,32	1.108.969,28	13%
	months	12	12	12	12						
											0%
Request not related to cooperation projects	fixo	1	1	1	1						0,0%
TOTAL						2.156.067,25	2.139.911,96	2.073.967,16	2.090.290,16	8.460.236,53	100%
						25,5%	25,3%	24,5%	24,7%	100,0%	
						2019	2020	2021	2022 (1)		

Appendix B - Demand and schedule of requests for the project "Industry and Cities Revolution: Industry 4.0 and Smart Cities"

		Quantities				Values (R\$)				Subtotal	%
		2019	2020	2021	2022	2019	2020	2021	2022		
INTERNATIONAL COOPERATION PROJECTS											
Activities Abroad	Units	2	2	2	2	34.243,20	34.243,20	34.243,20	34.243,20	136.972,80	3%
1) Mission in research projects in international cooperation	Units	1	1	1	1	17.121,60	17.121,60	17.121,60	17.121,60	68.486,40	2%
daily (7 a 20 days)	days	8	8	8	8	10.656,00	10.656,00	10.656,00	10.656,00	42.624,00	1%
Displacement aid	Units	1	1	1	1	6.141,60	6.141,60	6.141,60	6.141,60	24.566,40	1%
Health insurance	Units	1	1	1	1	324,00	324,00	324,00	324,00	1.296,00	0%
2) International congresses and events, with technical visits to project new partnerships	Units	0	0	0	0	-	-	-	-	-	0%
3) Mission to enable co-insurance between PPG courses	Units	1	1	1	1	17.121,60	17.121,60	17.121,60	17.121,60	68.486,40	2%
daily (7 a 20 days)	days	8	8	8	8	10.656,00	10.656,00	10.656,00	10.656,00	42.624,00	1%
Displacement aid	Units	1	1	1	1	6.141,60	6.141,60	6.141,60	6.141,60	24.566,40	1%
Health insurance	Units	1	1	1	1	324,00	324,00	324,00	324,00	1.296,00	0%
											0%
Scholarships abroad - WITHOUT locality		14	14	13	13	632.397,60	632.397,60	591.919,20	591.919,20	2.448.633,60	59%
1) Senior Visiting Professor (between 3 and 12 months)	qty.	2	2	2	2	131.356,80	131.356,80	131.356,80	131.356,80	525.427,20	13%
months		6	6	6	6						
2) Junior Visiting Professor (between 3 and 12 months)	qty.	2	2	2	2	121.276,80	121.276,80	121.276,80	121.276,80	485.107,20	12%
months		6	6	6	6						
3) Doctorale internship (between 6 and 12 months)	qty.	9	9	8	8	364.305,60	364.305,60	323.827,20	323.827,20	1.376.265,60	33%
months		6	6	6	6						
4) Training (up to 3 months)	qty.	1	1	1	1	15.458,40	15.458,40	15.458,40	15.458,40	61.833,60	1%
months		1	1	1	1						
Country Activities											
Scholarship - Brazil		5	6	6	6	333.842,32	403.152,90	403.152,90	403.152,90	1.543.301,02	37%
1) Visiting Professor in Brazil (minimum duration of 15 days and maximum of 12 months , up to 3 periods)	qty.	2	2	2	2	32.310,58	32.310,58	32.310,58	32.310,58	129.242,32	3%
months		0,5	0,5	0,5	0,5						
2) Young Talent with experience abroad (minimum duration of 6 months and maximum of 36 months)	qty.	2	2	2	2	232.221,16	232.221,16	232.221,16	232.221,16	928.884,64	22%
months		12	12	12	12						
3) Posdoctoral studies from abroad (minimum duration of 6 months and maximum of 36 months)	qty.	1	2	2	2	69.310,58	138.621,16	138.621,16	138.621,16	485.174,06	12%
months		12	12	12	12						
Request not related to cooperation projects	fixo	1	1	1	1						0%
TOTAL						1.000.483,12	1.069.793,70	1.029.315,30	1.029.315,30	4.128.907,42	100%
						24,2%	25,9%	24,9%	24,9%	100,0%	
						2019	2020	2021	2022 (1)		

Appendix C - Demand and schedule of requests for the project "Education and human processes for social changes"

		Quantities				Values (R\$)				Subtotal	%
		2019	2020	2021	2022	2019	2020	2021	2022		
INTERNATIONAL COOPERATION PROJECTS											
Activities Abroad	Units	5	5	6	0	78.948,00	78.948,00	94.737,60	-	252.633,60	6%
1) Mission in research projects in international cooperation	Units	4	4	5	0	63.158,40	63.158,40	78.948,00	-	205.264,80	5%
daily (7 a 20 days)	days	7	7	7	7	37.296,00	37.296,00	46.620,00	-		3%
Displacement aid	Units	4	4	5	0	24.566,40	24.566,40	30.708,00	-	79.840,80	2%
Health insurance	Units	4	4	5	0	1.296,00	1.296,00	1.620,00	-	4.212,00	0%
2) International congresses and events, with technical visits to propect new partnerships	Units	0	0	0	0	-	-	-	-	-	0%
3) Mission to enable co-insurance between PPG courses	Units	1	1	1	0	15.789,60	15.789,60	15.789,60	-	47.368,80	1%
daily (7 a 20 days)	days	7	7	7	7	9.324,00	9.324,00	9.324,00	-		1%
Displacement aid	Units	1	1	1	0	6.141,60	6.141,60	6.141,60	-	18.424,80	0%
Health insurance	Units	1	1	1	0	324,00	324,00	324,00	-	972,00	0%
											0%
Scholarships abroad - WITHOUT locality		16	16	16	10	758.534,40	758.534,40	758.534,40	404.784,00	2.680.387,20	64%
1) Senior Visiting Professor (between 3 and 12 months)	qty.	2	2	2	0	131.356,80	131.356,80	131.356,80	-	394.070,40	9%
	months	6	6	6	6						
2) Junior Visiting Professor (between 3 and 12 months)	qty.	3	3	3	0	181.915,20	181.915,20	181.915,20	-	545.745,60	13%
	months	6	6	6	6						
3) Doctorale internship (between 6 and 12 months)	qty.	11	11	11	10	445.262,40	445.262,40	445.262,40	404.784,00	1.740.571,20	41%
	months	6	6	6	6						
4) Training (up to 3 months)	qty.					-	-	-	-	-	0%
	months										
Country Activities											
Scholarship - Brazil		4	9	9	0	370.842,32	451.618,77	451.618,77	-	1.274.079,86	30%
1) Visiting Professor in Brazil (minimum duration of 15 days and maximum of 12 months , up to 3 periods)	qty.		5	5	0	-	80.776,45	80.776,45	-	161.552,90	4%
	months		0,5	0,5	0,5						
2) Young Talent with experience abroad (minimum duration of 6 months and maximum of 36 months)	qty.	2	2	2	0	232.221,16	232.221,16	232.221,16	-	696.663,48	17%
	months	12	12	12	6						
3) Posdoctoral studies from abroad (minimum duration of 6 months and maximum of 36 months)	qty.	2	2	2	0	138.621,16	138.621,16	138.621,16	-	415.863,48	10%
	months	12	12	12	12						
Request not related to cooperation projects	fixo	1	1	1	1	4.000,00				4.000,00	0%
TOTAL						1.212.324,72	1.289.101,17	1.304.890,77	404.784,00	4.211.100,66	100%
						28,8%	30,6%	31,0%	9,6%	100,0%	
						2019	2020	2021	2022 (1)		

Appendix D - Demand and schedule of requests for the project "Integrated Technologies for Health: from prevention to rehabilitation"

		Quantities				Values (R\$)				Subtotal	%
		2019	2020	2021	2022	2019	2020	2021	2022		
INTERNATIONAL COOPERATION PROJECTS											
Activities Abroad	Units	5	5	5	5	83.590,00	83.590,00	83.590,00	83.590,00	334.360,00	7%
1) Mission in research projects in international cooperation	Units	3	3	3	2	54.334,80	54.334,80	54.334,80	36.223,20	199.227,60	4%
daily (7 a 20 days)	days	7	7	7	7	19.656,00	19.656,00	19.656,00	13.104,00	72.072,00	2%
Displacement aid	Units	3	3	3	2	33.706,80	33.706,80	33.706,80	22.471,20	123.591,60	3%
Health insurance	Units	3	3	3	2	972,00	972,00	972,00	648,00	3.564,00	0%
2) International congresses and events, with technical visits to project new partnerships	Units	1			2	15.789,60	-	-	31.579,20	47.368,80	1%
diárias (7 a 20 dias)	dias	7	7	7	7	9.324,00	-	-	18.648,00	27.972,00	1%
auxilio deslocamento	und	1	0	0	2	6.141,60	-	-	12.283,20	18.424,80	0%
auxilio seguro saude	und	1	0	0	2	324,00	-	-	648,00	972,00	0%
3) Mission to enable co-insurance between PPG courses	Units	1	2	2	1	15.789,60	31.579,20	31.579,20	15.789,60	94.737,60	2%
daily (7 a 20 days)	days	7	7	7	7	9.324,00	18.648,00	18.648,00	9.324,00	55.944,00	1%
Displacement aid	Units	1	2	2	1	6.141,60	12.283,20	12.283,20	6.141,60	36.849,60	1%
Health insurance	Units	1	2	2	1	324,00	648,00	648,00	324,00	1.944,00	0%
											0%
Scholarships abroad - WITHOUT locality		16	20	20	19	708.350,40	900.612,00	900.612,00	860.133,60	3.369.708,00	73%
1) Senior Visiting Professor (between 3 and 12 months)	qty.	2	3	3	3	131.356,80	197.035,20	197.035,20	197.035,20	722.462,40	16%
months	months	6	6	6	6						
2) Junior Visiting Professor (between 3 and 12 months)	qty.	2	3	3	3	121.276,80	181.915,20	181.915,20	181.915,20	667.022,40	14%
months	months	6	6	6	6						
3) Doctorale internship (between 6 and 12 months)	qty.	10	11	11	10	404.784,00	445.262,40	445.262,40	404.784,00	1.700.092,80	37%
months	months	6	6	6	6						
4) Training (up to 3 months)	qty.	2	3	3	3	50.932,80	76.399,20	76.399,20	76.399,20	280.130,40	6%
months	months	3	3	3	3						
Country Activities											
Scholarship - Brazil		6	7	7	6	236.087,03	238.287,03	238.287,03	179.131,74	891.792,83	19%
1) Visiting Professor in Brazil (minimum duration of 15 days and maximum of 12 months , up to 3 periods)	qty.	3	3	3	3	48.465,87	48.465,87	48.465,87	48.465,87	193.863,48	4%
months	months	0,5	0,5	0,5	0,5						
2) Young Talent with experience abroad (minimum duration of 6 months and maximum of 36 months)	qty.	1	2	2	1	116.110,58	118.310,58	118.310,58	59.155,29	411.887,03	9%
months	months	12	6	6	6						
3) Posdoctoral studies from abroad (minimum duration of 6 months and maximum of 36 months)	qty.	2	2	2	2	71.510,58	71.510,58	71.510,58	71.510,58	286.042,32	6%
months	months	6	6	6	6						
Request not related to cooperation projects	fixo	1	1	1	1	10.000,00	8.927,00			18.927,00	0%
TOTAL						1.038.027,43	1.231.416,03	1.222.489,03	1.122.855,34	4.614.787,83	100%
						22,5%	26,7%	26,5%	24,3%	100,0%	
						2019	2020	2021	2022 (1)		

Appendix E - Demand and schedule of requests for the project "Biodiversity, ecosystem functions and sustainability"

		Quantities				Values (R\$)				Subtotal	%
		2019	2020	2021	2022	2019	2020	2021	2022		
INTERNATIONAL COOPERATION PROJECTS											
Activities Abroad	Units	5	5	5	2	78.948,00	78.948,00	78.948,00	31.579,20	268.423,20	9%
1) Mission in research projects in international cooperation	Units	4	4	4	1	63.158,40	63.158,40	63.158,40	15.789,60	205.264,80	7%
daily (7 a 20 days)	days	7	7	7	7	37.296,00	37.296,00	37.296,00	9.324,00	121.212,00	4%
Displacement aid	Units	4	4	4	1	24.566,40	24.566,40	24.566,40	6.141,60	79.840,80	3%
Health insurance	Units	4	4	4	1	1.296,00	1.296,00	1.296,00	324,00	4.212,00	0%
2) International congresses and events, with technical visits to project new partnerships	Units					-	-	-	-	-	0%
3) Mission to enable co-insurance between PPG courses	Units	1	1	1	1	15.789,60	15.789,60	15.789,60	15.789,60	63.158,40	2%
daily (7 a 20 days)	days	7	7	7	7	9.324,00	9.324,00	9.324,00	9.324,00	37.296,00	1%
Displacement aid	Units	1	1	1	1	6.141,60	6.141,60	6.141,60	6.141,60	24.566,40	1%
Health insurance	Units	1	1	1	1	324,00	324,00	324,00	324,00	1.296,00	0%
											0%
Scholarships abroad - WITHOUT locality		18	20	20	11	698.263,20	775.116,00	775.116,00	416.138,40	2.664.633,60	85%
1) Senior Visiting Professor (between 3 and 12 months)	qty.	3	4	4	1	119.599,20	159.465,60	159.465,60	39.866,40	478.396,80	15%
	months	3	3	3	3						
2) Junior Visiting Professor (between 3 and 12 months)	qty.	1	2	2	1	36.986,40	73.972,80	73.972,80	36.986,40	221.918,40	7%
	months	3	3	3	3						
3) Doctorale internship (between 6 and 12 months)	qty.	13	13	13	8	526.219,20	526.219,20	526.219,20	323.827,20	1.902.484,80	61%
	months	6	6	6	6						
4) Training (up to 3 months)	qty.	1	1	1	1	15.458,40	15.458,40	15.458,40	15.458,40	61.833,60	2%
	months	1	1	1	1						
Country Activities											
Scholarship - Brazil		1	3	4	1	16.155,29	48.465,87	117.776,45	16.155,29	198.552,90	6%
1) Visiting Professor in Brazil (minimum duration of 15 days and maximum of 12 months , up to 3 periods)	qty.	1	3	3	1	16.155,29	48.465,87	48.465,87	16.155,29	129.242,32	4%
	months	0,5	0,5	0,5	0,5						
2) Young Talent with experience abroad (minimum duration of 6 months and maximum of 36 months)	qty.	0	0	0	0	-	-	-	-	-	0%
	months	6	6	6	6						
3) Posdoctoral studies from abroad (minimum duration of 6 months and maximum of 36 months)	qty.	0	0	1	0	-	-	69.310,58	-	69.310,58	2%
	months	6	6	12	6						
Request not related to cooperation projects	fixo	1	1	1	1	5.500,00	6.054,00			11.554,00	0%
TOTAL						798.866,49	908.583,87	971.840,45	463.872,89	3.143.163,70	100%
						25,4%	28,9%	30,9%	14,8%	100,0%	
						2019	2020	2021	2022 (1)		

Appendix F - Demand and Schedule of Requests Distributed Annually

Requests Distributed Annually	Units	Quantities				Total	Values (R\$)				Total por item	%
		2019	2020	2021	2022		2019	2020	2021	2022		
INTERNATIONAL COOPERATION PROJECTS												
Activities Abroad	Units	21	21	22	14	78	341.018,20	341.018,20	356.807,80	231.024,40	1.269.868,60	5%
1) Mission in research projects in international cooperation	Units	15	15	16	8	54	245.142,00	245.142,00	260.931,60	132.292,80	883.508,40	4%
2) International congresses and events, with technical visits to project new partnerships	Units	1	0	0	2	3	15.789,60	-	-	31.579,20	47.368,80	0%
3) Mission to enable co-insurance between PPG courses	Units	5	6	6	4	21	80.280,00	96.069,60	96.069,60	64.490,40	336.909,60	1%
Scholarships abroad - WITHOUT locality		89	95	92	76	352	4.001.241,60	4.270.356,00	4.163.932,80	3.410.726,40	15.846.256,80	65%
1) Senior Visiting Professor (18 scholarships with 3 months and 57 with 12 months)	qty.	13	15	15	10	53	776.383,20	881.928,00	881.928,00	630.972,00	3.171.211,20	13%
2) Junior Visiting Professor (21 scholarships with 3 months and 75 with 12 months)	qty.	14	16	16	12	58	825.285,60	922.910,40	922.910,40	704.008,80	3.375.115,20	14%
3) Doctorale internship (6 months)	qty.	56	57	55	48	216	2.266.790,40	2.307.268,80	2.226.312,00	1.942.963,20	8.743.334,40	36%
4) Training (20 scholarships with 1 month and 32 with 3 months)	qty.	6	7	6	6	25	132.782,40	158.248,80	132.782,40	132.782,40	556.596,00	2%
Country Activities												
Scholarship - Brazil		33	41	42	29	145	1.844.009,21	2.012.451,53	2.081.762,11	1.469.366,89	7.407.589,74	30%
1) Senior Visiting Professor (18 scholarships with 3 months and 57 with 12 months)	qty.	15	21	21	14	71	242.329,35	339.261,09	339.261,09	226.174,06	1.147.025,59	5%
2) Young Talent with experience abroad (6 scholarships with 6 months and 52 with 12 months)	qty.	9	10	10	7	36	1.044.995,22	1.047.195,22	1.047.195,22	755.818,77	3.895.204,43	16%
3) Posdoctoral studies from abroad (16 scholarships with 6 months and 52 with 12 months)	qty.	9	10	11	8	38	556.684,64	625.995,22	695.305,80	487.374,06	2.365.359,72	10%
Request not related to cooperation projects	fixo	5	5	5	5	20	19.500,00	14.981,00	-	-	34.481,00	0,1%
TOTAL							6.205.769,01	6.638.806,73	6.602.502,71	5.111.117,69	24.558.196,14	100%
							25,3%	27,0%	26,9%	20,8%	100,0%	
							2019	2020	2021	2022 (1)		

Appendix G - Demand and Schedule of Requests Distributed by Project

		Quantity					Total	Values(R\$)					Subtotal	%
		Materiais	Indústria 4.0	Educação	Saúde	Biodiversidade	Geral	Materiais	Indústria 4.0	Educação	Saúde	Biodiversidade		
INTERNATIONAL COOPERATION PROJECTS														
Activities Abroad	Units	17	8	16	20	17	78	277.479,00	136.972,80	252.633,60	334.360,00	268.423,20	1.269.868,60	5%
1) Mission in research projects in international cooperation	Units	13	4	13	11	13	54	205.264,80	68.486,40	205.264,80	199.227,60	205.264,80	883.508,40	4%
2) International congresses and events, with technical visits to project new partnerships	Units	0	0	0	3	0	3	-	-	-	47.368,80	-	47.368,80	0%
3) Mission to enable co-insurance between PPG courses	Units	4	4	3	6	4	21	63.158,40	68.486,40	47.368,80	94.737,60	63.158,40	336.909,60	1%
Bolsas no exterior (anexo 10) SEM adic localidade		96	54	58	75	69	352	4.682.894,40	2.448.633,60	2.680.387,20	3.369.708,00	2.664.633,60	15.846.256,80	65%
1) Senior Visiting Professor (18 scholarships with 3 months and 57 with 12 months)	qyt.	16	8	6	11	12	53	1.050.854,40	525.427,20	394.070,40	722.462,40	478.396,80	3.171.211,20	13%
2) Junior Visiting Professor (21 scholarships with 3 months and 75 with 12 months)	qyt.	24	8	9	11	6	58	1.455.321,60	485.107,20	545.745,60	667.022,40	221.918,40	3.375.115,20	14%
3) Doctorale internship (6 months)	qyt.	50	34	43	42	47	216	2.023.920,00	1.376.265,60	1.740.571,20	1.700.092,80	1.902.484,80	8.743.334,40	36%
4) Training (20 scholarships with 1 month and 32 with 3 months)	qyt.	6	4	0	11	4	25	152.798,40	61.833,60	-	280.130,40	61.833,60	556.596,00	2%
Country Activities														
Scholarship - Brazil		65	23	22	26	9	145	3.499.863,13	1.543.301,02	1.274.079,86	891.792,83	198.552,90	7.407.589,74	30%
1) Young Talent with experience abroad (6 scholarships with 6 months and 57 with 12 months)	qyt.	33	8	10	12	8	71	533.124,57	129.242,32	161.552,90	193.863,48	129.242,32	1.147.025,59	5%
2) Young Talent with experience abroad (6 scholarships with 6 months and 52 with 12 months)	qyt.	16	8	6	6	0	36	1.857.769,28	928.884,64	696.663,48	411.887,03	-	3.895.204,43	16%
3) Posdoctoral studies from abroad (16 scholarships with 6 months and 52 with 12 months)	qyt.	16	7	6	8	1	38	1.108.969,28	485.174,06	415.863,48	286.042,32	69.310,58	2.365.359,72	10%
Request not related to cooperation projects	fixo	4	4	4	4	4	20	-	-	4.000,00	18.927,00	11.554,00	34.481,00	0,1%
TOTAL								8.460.236,53	4.128.907,42	4.211.100,66	4.614.787,83	3.143.163,70	24.558.196,14	100%
								34,4%	16,8%	17,1%	18,8%	12,8%	100,0%	
								2018 (2)	2019	2020	2021	2022 (1)		