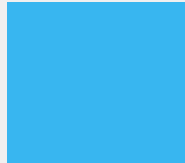




SÃO PAULO SCHOOL OF
BUSINESS ADMINISTRATION
Center for Sustainability
Studies



ACTIVITY REPORT 2021-2022





Summary

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1. Message from the Coordination

The exercise of looking back on the activities of the years 2021 and 2022 brought up a profusion of memories and ambiguous feelings. After all, we were still very much marked by the Covid-19 pandemic and living with great apprehension the dismantling of environmental governance, the weakening of human rights guarantees and protection, and the persistent attacks on democracy.

Despite this, we continue to articulate partnerships, join forces, and support public and private organizations in their transformation journeys. Dozens of projects have been carried out in this regard, as you will see in the following pages. The initiatives are grouped into major themes and have proposals that vary greatly among themselves. But in common, all of them have generated or will generate public goods, one of our commitments to society.

Internally, we sought during this period to take care of ourselves and to reconnect - with each other, after a prolonged phase of social distancing, and with CES, as we internally call our Center for Sustainability Studies.

We also mobilized meetings and discussions to rethink our current priorities and revisit processes that are important for our institutional development. These are internal movements, but they strongly impact our way of acting and relating to governments, companies and civil society.

For 2023, we are expecting many achievements and, especially, celebrations. We will complete 20 years of operations in September, a milestone that fills us with pride. We will continue on this tireless journey to establish other development projects for Brazil and to seek effective solutions to the challenges of sustainability. We continue together.

Enjoy your reading!

Mario Monzoni

General Coordinator of FGV's Center for Sustainability Studies



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Piti Reali/FGVces



Ricardo Lisboa/FGVces



Arthur Boccia/FGVces



2. About the Center for Sustainability Studies of FGV

The Center for Sustainability Studies (FGVces) at the São Paulo School of Business Administration of the Getulio Vargas Foundation (FGV EAESP) was created in 2003 to develop strategies, policies, and public and corporate management tools for sustainability at the local, national, and international levels.

Currently, the projects have emphasis - but not exclusivity - on five major themes:

Sustainable Finance 

Integrated Education 

 Value Chains and SMEs

 Climate Change
Ecosystem Services
Water Resources

Local Development 



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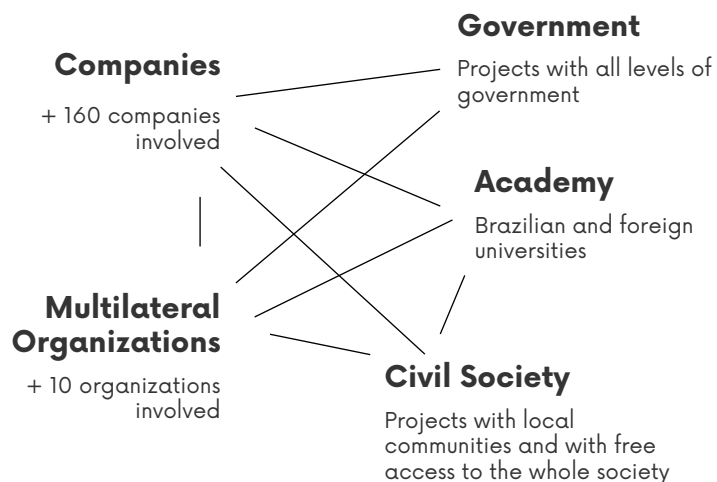
6. Academic production

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The Center operates in a network and in a multisectoral way. There is interlocution with companies, governments, multilateral organizations, academia, and civil society.



The team is made up of approximately 50 researchers. They are people from the most varied areas of training, all engaged in continuously expanding the frontiers of knowledge, contributing to sustainable development in the scope of public and business administration.



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Mission

To continuously expand the frontiers of knowledge, contributing to sustainable development, in the scope of public and business administration.

World vision

FGVces wants to coexist in a world that:

- Incorporates the rights of current and future generations in the decisions of the present;
- Has a systemic view of the main problems that affect humanity;
- Protect the environment as a means of sustaining all and every form of life;
- Build a mode of production and consumption based on the efficient use of resources, on ethics and solidarity in exchange relationships, on equity of opportunities, and on respect for the planet's ecological limits;
- Guarantee freedom and human rights;
- Enable human development and the education of the self;
- Seek solutions that are respectful and appropriate to the singularities of each territory, including ecosystems, landscapes, and local culture;
- Aims at institutional improvement, so that public, business, and civil society organizations can interact in highly dynamic and diverse processes;
- Permanently build democratic qualities in the processes of negotiation, articulation, and consensus building, through transparent, open, and collective mechanisms, with the participation of all the players directly or indirectly involved.

Values

COMMITMENT: We are committed to a development project that effectively contemplates solutions for the challenges of sustainability, seeking to inspire others to share our vision of the world.

COLLECTIVE CONSTRUCTION: We believe in inclusive, collaborative, and democratic processes for building and sharing knowledge with its collaborators, partners, and society in general.

COHERENCE: Sustainability is not a place to get to, but the way to do it. We value the quality of the process, in such a way as to ensure not only that the end is the desirable one, but that the means are the most appropriate to achieve it.

INNOVATION: We understand that innovation is a fundamental component for the construction of new development paradigms and, for this reason, we seek to act on the frontiers of knowledge.

RESPECT: Acting in the public space, we believe that attention and respect for others are based, essentially, on the acceptance of differences and appreciation of diversity and plurality, recognizing in them a factor for collective growth.



3. FGVces in numbers

Knowledge generation and dissemination

35
publications released
between 2020 and
2021



3
published books and
book chapters



16.801
audience reach of
events (in person and
online)



9
articles published in
academic journals



151
Organized events



228
press insertions



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Education

81 
 students of the course
**Integrated Education
 for Sustainability (FIS)**

382 
 people trained in the
 short courses

 43
 people graduated
 from the **Professional
 Master in Management
 for Competitiveness
 (MPGC) - Sustainability
 Track**

 306
 people trained in the
 customized programs for
 organizations

Financial results

| | 2021 | 2022 |
|--|------|------|
| Revenues (research projects, trainings and technical assistance) | 16,7 | 19,9 |
| Direct costs and internal support expenses | 13,9 | 16,5 |
| FGV administrative expenses (overhead) | 1,8 | 1,9 |
| Technical reserve / deficit for the year | 1,0 | 1,5 |

values in millions of reais



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4. Impact Actions

Greener Belt

Applied Research | Public Policies

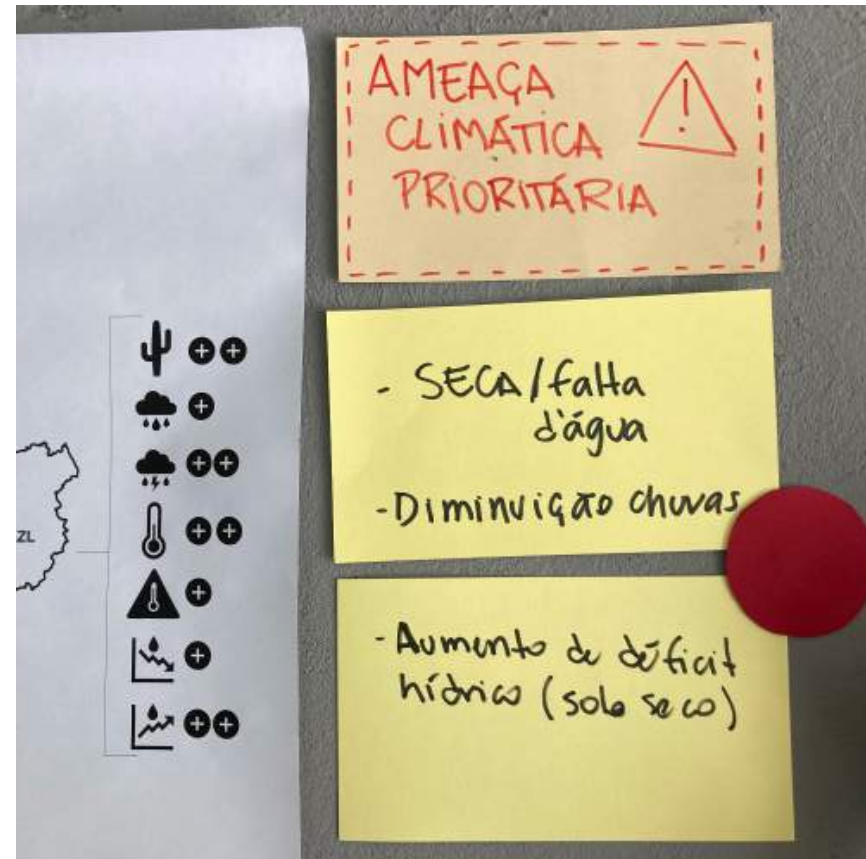
Carried out with the objective of promoting adaptation to climate change by family farmers in São Paulo's Green Belt, the project contemplated several initiatives between 2021 and 2022, including a field training action with family farmers in the region.

This process engaged 10 groups of farmers (among cooperatives, associations, and collectives), who participated in a cycle of three workshops to build climate change adaptation plans.

To support this process and generate knowledge, the team produced a socio-territorial mapping and a scenarioization of climate trends to



Felippe Abreu/FGVces



determine the main changes in temperature and precipitation in the Alto-Tietê watershed.

In order to identify innovative solutions that can contribute to reducing farmers' climate risks and vulnerabilities, a call for cases was also launched to select experiences with the potential to be replicated at scale.

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Research team

Ana Moraes Coelho
 Samuel de Mello Pinto
 Máira Bombachini Silva
 Taís Faria Brandão de Arteaga
 Jessica Castro Chryssafidis
 Manuela Maluf Santos

External team

Layla Lambiasi

Status

1st phase completed

Sponsor

Citi Foundation

Partners

Citi

In addition to sharing the knowledge generated with farmers, the project produced two online publications (one about the selected experiences and another about the project), both available for the public, and had its results disseminated at events.

The initiative also inspired an international research project, which replicated the Greener Belt methodology and commissioned a preliminary study on the impact of climate change on small farmers in Eswatini.

Click here to access the [project page and the materials produced](#).



Publications

- Adaptation to climate change by family agriculture in São Paulo's Green Belt
- Portfolio of selected initiatives



Videos

- Greener Belt Project
- Impacts of climate change on family agriculture - Greener Belt Project



Felippe Abreu/FGVces

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Converte-se

Applied Research | Public Policies

Anchored in the principles of fair trade, environmental conservation and food and nutrition security, this project aims to **promote organic conversion among family farmers and contribute to making the organic food value chain more inclusive for these producers in Brazil.**

In its first phase, carried out in 2021 and 2022, the project worked on two fronts: a field front and an Network & Advocacy front. The field front consisted of a cycle of workshops with ten groups of family farmers in the city of São Paulo and surrounding municipalities to support the conversion of their production and connect them to qualified markets. Six workshops were conducted with each group, covering topics such as organic and agro-ecological management, organic certification, rural business management tools, and market access. After this training course, meetings were held for commercial approximation between the groups and the markets of interest.

The Network & Advocacy front, on the other hand, involved a series of meetings with over 50 players in the food chain, to broaden the dialogue between the links and build solutions to the challenges that family farmers face in making the conversion and accessing markets. As a result of the work of this network, coordinated by FGVces, the document *Promoting the conversion to organic production by family farming:*



Workshop held at the Cooperative of Small Producers of Horticultural Products from Ibiúna and Region (COOPPHIR), in Ibiúna/SP

recommendations for the chain was elaborated, which brings, as the name indicates, a set of recommendations to make the food chain more favorable to the conversion of family agriculture to organic production.

In addition to making the publication widely available, the FGVces team promoted and participated in events with the project's target audience. In terms of contributions to public policies, it is worth highlighting the participation in the Steering Committee for the construction of the São

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Paulo State Plan for Agro-ecology and Organic Production - PLEAPO-SP, where FGVces facilitated some of the group's meetings and whose discussions also relied on the publication's recommendations as reference material.

[Click here](#) to access the project page and the materials produced.



Publications

Promoting the conversion to organic production by family farming: recommendations for the chain



Videos

Sharing practices and knowledge

The choice of the market of interest



Workshop held at the Marielle Vive encampment, in Valinhos/SP



Research team

- Ana Moraes Coelho
- Taís Faria Brandão de Arteaga
- Manuela Maluf Santos
- Maíra Bombachini Silva
- Jéssica Castro Chryssafidis
- Samir Luna de Almeida
- Samuel de Mello Pinto

External team

- Luiz Henrique Bambini de Assis
- Maria Elisa Von Zuben Tassi
- Adriel Barboza Bentos

Status

1st phase completed

Sponsor

Grupo Carrefour Brasil
Fundação Carrefour

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Municipal agendas for urban and peri-urban agriculture

Applied Research | Public Policies

For the first time, public administrators from the over 5.5 thousand Brazilian municipalities have access to a set of guidelines and instruments to multiply and institutionalize initiatives, programs, and actions in urban and periurban agriculture.

This is the publication *Municipal agendas for urban and periurban*

agriculture: a guide to insert agriculture in urban planning processes ([click here](#)), produced by FGVces in partnership with TEEB Agriculture & Food, linked to the United Nations Environment Programme (UNEP) and the General Coordination for the Support of Urban and Peri-urban Agriculture of the current Ministry of Development and Social Assistance, Family and Fight against Hunger.

Its preparation took place throughout 2022 and involved: a literature review and interviews with public managers and specialists to synthesize information about the Brazilian scientific production on UPA; a survey of lessons learned from both municipal programs and civil society initiatives; the articulation of 40 organizations from the public sector, civil society, and academia to review partial products, provide references, and support the dissemination of the results; and a process of openness to contributions from the general public in the preliminary version of the Guide (public consultation), whose results culminated in more than 100 text changes in the final version of the publication.

In addition to being made publicly available through an online event with more than 430 participants, the document was also disseminated at events such as the 8th Milan Pact Global Forum on Urban Food Policy; the

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TEEB Agriculture & Food Latin America and Caribbean Symposium; and the 2nd National Meeting for the Articulation of Urban Agriculture Actions.

[Click here](#) to access the project page and the materials produced.



Publications

Municipal agendas for urban and periurban agriculture: a guide to insert agriculture in urban planning processes

Executive Summary | Municipal Agendas for Urban and Peri-urban Agriculture: A guide to insert agriculture in urban planning processes

Municipal Urban and periurban agriculture agendas: checklist for municipal public management

Research team

Ana Moraes Coelho
Jéssica Castro Chryssafidis
Samuel de Mello Pinto

Status

1st phase completed



Videos

Kick off- Municipal Agendas for Urban and Peri-urban Agriculture

Sponsor

TEEB Agricultura & Alimentos /
PNUMA

Partners

TEEB Agricultura & Alimentos /
PNUMA
Coordenação-Geral de Agricultura
Urbana e Periurbana – Ministério
da Cidadania

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Felippe Abreu/FGVces

Climate change adaptation for smallholders in Eswatini (Africa)

Applied Research | Public Policies

With the proposal to support the development of strategies to promote adaptation to climate change by family farmers in Eswatini (Africa), this project started with a methodological sharing between FGVces and members of the Eswatini government interested in the study carried out in the Alto Tietê Basin region in São Paulo (see [Greener Belt](#)).

This step was followed by the elaboration of a socio-territorial diagnosis and an analysis of the risks and vulnerabilities of climate change with the objective of: knowing the profile of farmers and agricultural production in the country; understanding how changes in weather patterns have impacted and can impact local food production and the living conditions of farmers.

The knowledge generated was disseminated mainly through a cycle of three face-to-face workshops held in three territories of the country, with about 120 participants, including small farmers and public managers. There was also a face-to-face event to close the project on the campus of Queen Mary University in London.



Publications

Roadmap to Build Recommendations for Climate Change Adaptation Among Smallholders: Methodology sharing from the Greener Belt Project experience

Research team

Ana Moraes Coelho
Maíra Bombachini Silva
Samuel de Mello Pinto

External Team

Layla Lambiasi

Status

Finished

Sponsor

Queen Mary University of London
(Research England Policy Impact Funding)

Partners

Governo de Essuatíni



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Innovation for Sustainability in Urban Agro-Food Value Chain Project (AKA “Bota na mesa”)

Applied Research | Public Policies

Carried out between 2015 and 2021, the Bota na Mesa project worked on the inclusion of family farming in the food chain in large urban centers, considering fair trade, environmental conservation, and food and nutritional security.

In the first two cycles, Bota na Mesa worked directly with nine organizations of producers of fruits, vegetables, and legumes in São Paulo’s green belt, supporting best management and commercialization practices and generating opportunities to access markets. Starting in 2018, the project began to act more comprehensively in the chain, understanding that there are many issues relevant to family farming that go beyond commercialization. The team coordinated working groups with specialists in consumer relations, infrastructure and technology, youth in agriculture, agroecological transition, and climate change, and produced public and business guidelines for the inclusion of family farming in the food chain.

Finally, in 2021, launched the report *New approaches in public management for the food chain: youth from family farming as protagonists of the agroecological transition* ([click here](#)).

[Click here](#) to access the project page.

Research Team

Manuela Maluf Santos
Taís Faria Brandão de Arteaga
Jéssica Castro Chryssafidis
Samuel de Mello Pinto

Sponsor

Citi Foundation

Partners

Citi

Status

Finished



Publications

New approaches in public management for the food chain: youth from family farming as protagonists of the agroecological transition



Ricardo Lisboa/FGVces

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Conexão Mata Atlântica

Applied Research | Public Policies

Started in 2019 with the goal of increasing the protection of biodiversity, water, and combating climate change through activities that conserve native vegetation, adopting more productive systems, and improving the management of conservation units, the project contemplated the following stages: (i) socio-territorial diagnosis and studies on priority value chains of sociobiodiversity in the Atlantic Forest; (ii) training of field technicians; (iii) network and partnerships for market access; and (iv) dissemination of results.

Specifically in 2021, launched the report *Strengthening sustainable value chains: FGVces' contributions to the Atlantic Forest Connection project* ([click here](#)).

[Click here](#) to access the project page.

Research Team

Manuela Maluf Santos
Jéssica Castro Chryssafidis
Taís Faria Brandão de Arteaga
Samuel de Mello Pinto

Status

Finished

Sponsor

Global Environment Facility (GEF),
por meio do Banco Interamericano
de Desenvolvimento (BID)

Partners

Fundação de Empreendimentos
Científicos e Tecnológicos (Finatec)
Ministério da Ciência, Tecnologia e
Inovações (MCTI)
Secretaria de Infraestrutura e Meio
Ambiente do Estado de São Paulo
Fundação Florestal
Fundação de Amparo à Pesquisa do
Estado de São Paulo (FAPESP)



Publication

[Strengthening sustainable value chains: FGVces' contributions to the Atlantic Forest Connection project](#)



Video

[Conexão Mata Atlântica Project](#)

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Brazilian GHG Protocol Program

Applied Research | Consulting | Knowledge Dissemination

Through the Brazilian GHG Protocol Program (PBGHG), FGVces has been helping hundreds of organizations **to prepare their corporate inventories of greenhouse gas (GHG) emissions** and also to publish them on the Public Emissions Registry, the largest platform for reporting corporate GHG emissions in Latin America.

In the 2021 cycle, **193 companies** joined the program and had their inventories conducted and published. Throughout this process, the member organizations also participated in training in the GHG Protocol - PBGHG method. In total, two classes were held, which together were attended by 126 people.

To close the cycle, an event was held with the theme 'Risk, Ambition and Transparency: Challenges and Trends for Organizations' Climate Agenda' ([check it out here](#)). Ana Buchaim, Executive Director of People, Marketing, Communication and Sustainability at B3; Carlos Takahashi, Chairman of BlackRock Brazil; and Rafaella Dortas, Head of ESG at BTG Pactual, were the guest speakers at the online meeting, which received more than 1.6 thousand views on YouTube and 2.4 thousand on LinkedIn.

The closing event also presented the results of the survey on motivations, challenges or ambitions associated with the monitoring, reporting, verification and management of GHG emissions of the inventor organizations in the first year of the Covid-19 pandemic. In total, 88 companies responded to the questionnaire.

The 2022 Cycle had **305 member organizations** (holdings) and 671 inventories published in the Public Emissions Registry ([click here](#)), which represented an increase of 59% compared to the previous cycle.

Inventory Map - 2022



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Regarding training, 190 employees of member organizations of the program participated in the three training classes on the GHG Protocol method that were offered in 2022. Additionally, two webinars were held on the main challenges and opportunities for accounting for indirect GHG emissions (Scope 3).

The closing of the cycle was marked by an online event with the theme 'Challenges towards climate neutrality in 2050: perspectives and sectorial trends' ([check here](#)), followed live by almost 2 thousand people on YouTube and approximately 900 on LinkedIn.

This time, the guests to debate the subject were Marcello Brito, CEO of CBKK S/A and former president of the Brazilian Agribusiness Association (ABAG); Giovani Machado, director of Economic-Energy and Environmental Studies of the Energy Research Company (EPE); and Ingrid Person, GHG management specialist (Ternium Brasil), lead reviewer and expert in industrial processes (UNFCCC) and lead author of the IPCC.

Also released were the results of a survey conducted with 200 companies on motivations, challenges and ambitions for the management of GHG emissions by members of the 2022 cycle.

In 2022, we also published the Annual Report of the PBGHG, containing the main results of the 2022 Cycle activities ([access the publication here](#)).

[Click here](#) to access the project's page.

Research Team

Guilherme Lefèvre
Lucas C. de Souza
Carolina P. Bastos
Jéssica Campanha
Juliana F. Picoli
Guarany Osório

Status

Continuous

Participating organizations in 2021 and 2022

See pages 70 e 73.



Publications

Annual Report of the Brazilian GHG Protocol Program: results for the 2022 cycle



Videos

Webinar | Annual Event of the Brazilian GHG Protocol Program: Risk, Ambition and Transparency

Annual Event of the Brazilian GHG Protocol Program - Cycle 2022

PBGHG Playlist | Events and Webinars

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Net Zero Political Economy: Brazil briefing

Applied research

Result of research initiated in 2021, the study Net Zero Political Economy Briefs: Brazil case-study points out **windows of opportunity on six major fronts for Brazil to zero its net carbon emissions in 2050** in order to comply with its international commitments.

The research stage, which preceded the preparation of the study, included a literature review and interviews with experts and stakeholders. A total of 13 interviews were conducted.

The main conclusions were: the challenges to be overcome in the transition to a zero net emissions economy tend to be structural in nature (weak governance and lack of state capacity). Persistence is key: forest conservation and climate change policies need to be better structured for domestic audiences and remain in place for longer time horizons.

The study is part of the project 'Net Zero Political Economy: Exploring how to accelerate the just transformation to net zero emissions in China, Nigeria, India, Indonesia and Brazil', coordinated by Climate Strategies, a British non-profit organization that promotes the interface between decision makers and researchers around the world.



Publication



Net Zero Political Economy Briefs: Brazil case-study

Research Team

Gustavo Velloso
Guilherme Lefèvre
Guarany Osório

Status

Finished

Sponsor

ClimateWorks Foundation

Partner

Climate Strategies

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Research and technical support for the realization of an applied project on internal carbon pricing (ICP)

Applied Research | Consulting

Carried out in 2022, this project aimed to help BRF S.A. format and implement a consistent internal carbon pricing strategy with a view to incorporating it into the financial viability assessment of investment projects.

At the end of the project the company was given a simulator to define the internal price of carbon and apply it in a pilot project.

Research Team

Guilherme Lefèvre
Guarany Osório
Gustavo Velloso

Status

Finished

Sponsor

BRF

External Team

Ricardo Dinato

Market systems analysis of the biodiesel value chain to strengthen CBIOs regime through expanded certification

Applied Research

Lasting three months, the project resulted in an analysis of the biodiesel value chain with a focus on the expansion of emissions of CBios, the Decarbonization Credits of the RenovaBio Program.

The project was carried out by FGVces in partnership with FGV Energia and FGV Projetos, and generated a report.

Research Team

Annelise Vendramini
Juliana Picoli

Status

Finished

Sponsor

Prosperity Fund UK

Partners

FGV Energia
FGV Projetos
Adam Smith Institute

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Companhia Brasileira de Alumínio (CBA) internal carbon pricing update

Applied Research | Consulting

This project generated subsidies for the Companhia Brasileira de Alumínio (CBA) to update its internal carbon pricing with regard to: the carbon prices adopted worldwide (considering the mining and metallurgy sectors, with a focus on the aluminum sector); the trends and possible impacts of tariff measures (border adjustment); and also the scenarios for carbon price variation over time.

The initiative generated the development of a specific tool

for CBA, but with potential use in many organizations to create internal carbon pricing scenarios.

Research Team

Gustavo Velloso
Guilherme Lefèvre
Guarany Osório

Status

Finished

Sponsor

CBA



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Promoting transparency and territorial governance in the context of the installation of highways in the Brazilian Amazon: the case of BR-319

Applied Research | Amazonia | Infrastructure Impacts | Knowledge Dissemination

Underway since 2019, this project seeks to create conditions for the sustainable territorial development of the region of influence of the BR-319 federal highway, whose middle section (400 km) is currently under pressure for its paving. To this end, it seeks to **strengthen territorial governance mechanisms that combine social participation, access to information, and the development of technical, political, and financial capacities of those who need it most.**

Among the highlights of 2021 is the conclusion of the *Territorial Development Agenda for the BR-319 Region* ([click here](#)), considered to be a planning and dialogue instrument to induce the construction of pacts and common objectives among the people of the region.

The publication is the result of the junction between the practical knowledge of more than 600 people consulted (representing about 150 public and private organizations and 64 local communities from regions along and influenced by the highway) and the knowledge derived from applied research in public policies and territorial dynamics, and proposes 13 strategies to strengthen the BR-319 region as a territory of good living.



Ricardo Lisboa/FGVces

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In the same year, the team also conceived the institutional design of a financial instrument (socio-environmental fund) suited to the financing needs of part of the demands identified in the TDA. More than making it possible to raise additional funds for socioeconomic inclusion and environmental protection projects, the expectation is to generate an instrument of coordination between public and private institutions and local communities, towards common goals.

The year 2022 was mainly dedicated to **training activities and dissemination** of the TDA among local communities in order to strengthen the role of leaders and collectives in the articulation with public authorities. In all, 44 events were held, including workshops, training courses, seminars, and conversation rounds. There was even a training day (consisting of four modules) about planning and management in public policies, monitoring public accounts, and the operation of municipal councils (roles and responsibilities)

aimed exclusively at members of municipal health, education, social assistance, and culture councils in the three municipalities where the project operates.

There was also a focus on the subject of productive chains and capacity building for grassroots organizations. Throughout the year, training workshops were held with 12 productive groups, involving more than 60 participants, about entrepreneurship, project structuring, price formation, and strategies to access new markets, seeking to support the formalization and structuring of their enterprises.

Among other results, this process has enabled community-based organizations to produce integrated plans for mutual support - a new form of networking that increases the visibility and incidence of these populations. Likewise, municipal councilors now seek to implement an Inter-municipal Forum of Councils of the BR-319 highway, and ten collective community enterprises have concluded their business plans.

FGVces has also undertaken technical partnerships with civil society organizations, municipal authorities and the Amazonas State University (UEA), in a coordinated effort to implement specific TDA recommendations. In this context, there was the initiative to protect the Manicoré River Collective Territory, the articulation for the development of Community-Based Tourism (CBT), and the cooperation with the Manicoré Municipal Health Secretariat.

With technical support from FGVces, the State Attorney General (PGE), the State Public Defender's Office (DPE) and local Civil Society Organizations (CSOs), the traditional communities of the Manicoré



Ricardo Lisboa/FGVces

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River won the Concession of Real Right of Use (CDRU), which ensures them land rights for biodiversity conservation in an area of 392,239 hectares. In partnership with UEA, the BCT Security Protocol was prepared for the Igapó Açu RDS and surrounding area. Finally, TDA recommendations were incorporated into the Manicoré Municipal Health Plan.

[Click here](#) to access the project page.



Publication

Territorial Development Agenda for the BR-319 region: strengthening territories of good living



Videos

Interview Series

Research Team

Daniela Gomes Pinto
Ana Coelho
Carolina Derivi
Leticia Artuso
Karine Julião
Dionéia Ferreira
Guilherme Nunes Pereira
Jolemia Chagas
Nara Perdigão
Nina de Almeida
Roberta Amaral
Samir Eid

Community Engagement

Angel Souza
Danilo Cerqueira
Fernando Torres
Francimara Araújo
Karem Pantoja
Luana Bezerra

Status

In Progress

Sponsor

Gordon and Betty Moore
Foundation

Partners

Ministério Público Federal
Rede Transdisciplinar da Amazônia
(RETA)
Casa do Rio
Ministério Público Federal -
Amazonas
Instituto Internacional de Educação
do Brasil (IEB)

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and mobilization

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sponsors

9. Team



Independent Territorial Monitoring Network

Independent monitoring | Protection of territories and rights | Indigenous and traditional peoples | Amazon | Civil society | Applied research | Knowledge dissemination

Coordinated by FGVces since July 2020, the MTI Network is an articulation of civil society organizations and research institutions that seeks to **strengthen capacities for governance, independent monitoring, and protection of commons in traditionally occupied territories in the Amazon.**

Currently the Network connects more than 50 organizations and develops actions in three axes: strengthening of organizations, production of knowledge, and influence on entrepreneurs, states, and Sponsors.

In 2022, the MTI Network promoted, in partnership with other organizations, two cycles of thematic meetings to exchange experiences on territorial monitoring. Throughout the meetings (13 in total), the potential of independent monitoring as a tool to protect against different types of pressures and threats and as an instrument to strengthen community governance was discussed.

Two face-to-face meetings were also held (X Fospa, in Belém - PA; and IX ENECON, in Santarém - PA), during which the strategic demands



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of independent territorial monitoring were raised, as well as the main challenges and advocacy strategies mobilized by grassroots organizations.

In addition, MTI Network participated in the extended meeting and launching meeting of the 3rd phase of the Agro é Fogo dossier ([click here](#)), in order to strengthen and extend the collaboration with partner organizations.

[Click here](#) to access the project's page.



Publications

Independent Territorial Monitoring in the Amazon: Reflections on strategies and results



Videos

Independent Territorial Monitoring in the Amazon: reflections on strategies and results

Research Team

Kena Azevedo Chaves

Tainá Holanda

Samir Luna

Daniela Gomes Pinto

Status

In Progress

Sponsor

Charles Stewart Mott Foundation

Partners

Instituto Socioambiental

Laboratório de Estudos Dinâmicas Territoriais da Amazônia (LEDTAM) da Universidade Federal do Pará - Campus Altamira

International Rivers

Sapopema

Instituto de Ciências da Sociedade (ICS) da Universidade Federal do Oeste do Pará (UFOPA)

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Exchanges of experiences: governance and monitoring of territories affected by large enterprises in the Amazon

Amazon | Infrastructure Impacts | Strengthening Civil Society | Applied Research | Knowledge Dissemination

Finished in 2021, this project strengthened territorial governance and promoted the exchange of experiences between the territories affected by the Belo Monte Hydroelectric Plant, in the Xingu River basin (PA), and logistics projects in the territory of the middle and lower Tapajós River.

As a strategy, we sought to build research networks between universities in the two regions and strengthen the integration between civil society organizations. The creation of the Independent Territorial Monitoring Network (read more on page 27) took place in this context and is a result of the project.

Besides creating the ITN, the project also made it possible to organize the book *Independent Territorial Monitoring in the Amazon: reflections*

on strategies and results ([click here](#)), which systematizes monitoring experiences.

[Click here](#) to access the project's page.

Research Team

Kena Azevedo Chaves
Daniela Gomes Pinto
Samir Luna

Status

Finished

Sponsor

Charles Stewart Mott Foundation

Partners

Instituto de Ciências da Sociedade/Universidade Federal do Oeste do Pará (UFOPA)
Laboratório de Estudos Dinâmicas Territoriais da Amazônia (LEDTAM) da Universidade Federal do Pará

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Socio-territorial infrastructure for Amazonia

Amazon | Infrastructure Impacts | Applied Research | Knowledge Dissemination

The result of a strategic partnership between FGVces and WWF-Brazil, the current research is developing a socio-territorial infrastructure classification system for the Brazilian Amazon based on a debate about what infrastructure is needed for the region, considering its heterogeneity and priorities and adopting a territorial approach to classification.

In 2022, the team created and articulated a Working Group on Socio-Territorial Infrastructure in the scope of the initiative Uma Concertação

pela Amazônia. The WG brings together actors with high incidence power in different areas and disseminates knowledge, aligns concepts and designs proposals, besides engaging the private sector, public authorities and investors in the discussion and search for solutions.

Under construction, the classification system for socio-territorial infrastructure for the Amazon will have the potential to influence the planning and financing (public or private) of infrastructure projects for the region.

[Click here](#) to access the project page.

Research Team

Daniela Gomes Pinto
Graziela Azevedo
Leticia Artuso
Carina Gomes

External Team

Nilvo Luiz Alves da Silva

Status

In Progress

Sponsor

WWF-Brazil

Partners

Uma Concertação pela Amazônia

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Protocol for monitoring the socioeconomic, cultural and environmental development of populations resettled by hydroelectric undertakings

Forced displacement | Adequate housing | Hydroelectric power | Family agriculture | Applied research | Knowledge dissemination

Through a partnership with the Universidade do Oeste de Santa Catarina (UNOESC), FGVces developed a protocol for defining and monitoring the socioeconomic, cultural and environmental development of resettlements caused by hydroelectric projects.

The protocol proposes participative processes and establishes a conceptual approach to territorialities and the right to adequate housing, with flexible and territory-sensitive planning, cooperation between different social actors, and a long-term vision. Finally, it adopts as premises for its implementation process the centrality of

the resettled people and a human rights approach.

Built within the scope of a research and development (R&D) project delivered to the electricity sector, the Protocol is a highly applicable instrument, aimed at improving public and private practices in the sector, respecting and protecting the rights of affected people and communities, hydroelectric planning and regulatory practices, particularly those related to environmental licensing processes and reparation of damages caused by hydroelectric projects.

[Click here](#) to access the project's page.

Research Team

Letícia Artuso
Bruno Neris Basto
Graziela Azevedo
Daniela Gomes Pinto

External Team

Nilvo Luiz Alves da Silva

Status

Finished

Sponsor

CTG-Brasil (R&D Aneel)

Partners

Universidade do Oeste de Santa Catarina (Unoesc)

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9. Team

Forced Displacements and Full Compensation for Damages

Forced Displacement | Human Rights | Adequate Housing | Applied Research | Knowledge Dissemination | Public Policy

The project proposes to strengthen the rights agenda of populations affected by forced displacement, proposing tools and recommendations for the protection of rights and full compensation

for damages in the context of the installation of large projects.

In 2021, FGVces joined the Working Group on the Protection of the Rights of Persons and Displaced Populations of the National Human Rights Council (CNDH) and participated in nine meetings. In addition, the team was also present at the virtual seminar to launch the strategy to identify cases of Forced Displacement, promoted by the CNDH in November of that year.

[Click here](#) to access the project's page.

Research Team

Kena Chaves

Samir Luna

Daniela Gomes Pinto

Status

In Progress

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Strengthen national climate policy implementation: Comparative empirical learning & creating linkage to climate finance

Applied Research | Public Policy | Transportation

The project proposes to discuss how international **climate finance can contribute to the implementation of the Nationally Determined Contributions (NDCs) of Brazil, India, Indonesia and South Africa**. The project consortium is composed of research institutes from the four countries and Europe.

Each team is responsible for producing four country studies in order to provide policy makers with insights on the relationship between climate policies and international finance in key sectors. In the case of Brazil, the studies focus on low-carbon transport infrastructure.

In 2021, the FGVces team was involved in two publications.

The first study sought to identify the main motivations and barriers for attracting capital market investments in low-carbon infrastructure in Brazil ([click here to access](#)). Among the results of the research, it was found that incentives vary according to the type of investor. To fill the investment gap in infrastructure, there is a need for broader institutional reforms to attract long-term investors. In addition, green certification of infrastructure projects represents an interesting strategy for attracting investment, especially foreign ones. Derived from the study, an academic article ([access it here](#)) was also published in the Brazilian Journal of Public Administration (RAP).

The team also coordinated the publication *International Climate Finance and support to national climate policy processes in emerging markets* ([click here](#)), which analyzed how international partners can contribute to the development and implementation of climate policies in emerging



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markets. Five case studies of cooperation between international partners and national governments were presented: China, Kenya, India, South Africa, and Indonesia.

In 2022, the study *Cabotage Navigation in Brazil: An Analysis of the Legislative Process of Statute No. 14,301/2022 ("BR do Mar") Using Kingdon's Multiple Streams Framework* was presented ([click here](#)), which looked at the legislative process of Statute No. 14,301/2022, known as BR do Mar, to generate recommendations on how climate change can be integrated into low-carbon, sectoral policy processes.

[Click here](#) to access the project's page and all the content produced.



Publications

Drivers of and barriers to capital market investments in low-carbon infrastructure in Brazil

Cabotage Navigation in Brazil: An Analysis of the Legislative Process of Statute No. 14,301/2022 ("BR do Mar") Using Kingdon's Multiple Streams Framework

International Climate Finance and support to national climate policy processes in emerging markets



Videos

International Climate Finance and support to national climate policy processes in emerging markets

Cabotage Navigation in Brazil: an analysis of the legislative process of the BR do Mar

Research Team

Annelise Vendramini

Camila Yamahaki

Gustavo Velloso

Status

In Progress

Sponsor

International Climate Initiative (IKI)

Federal Ministry for the Environment, Nature Conservation, Nuclear Safety and Consumer Protection

Partners

German Institute for Economic Research (DIW Berlin)

The Energy and Resources Institute (India)

The Climate Change Center - Institute of Technology Bandung (Indonesia)

University of Cape Town - Energy Research Centre (South Africa)

NewClimate Institute (Germany)

Vivid Economics (United Kingdom)

Institute for Climate Protection, Energy and Mobility (Germany)

Climate Strategies (United Kingdom)

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Sustainable Finance for Biodiversity in Brazil and Colombia (SF4B)

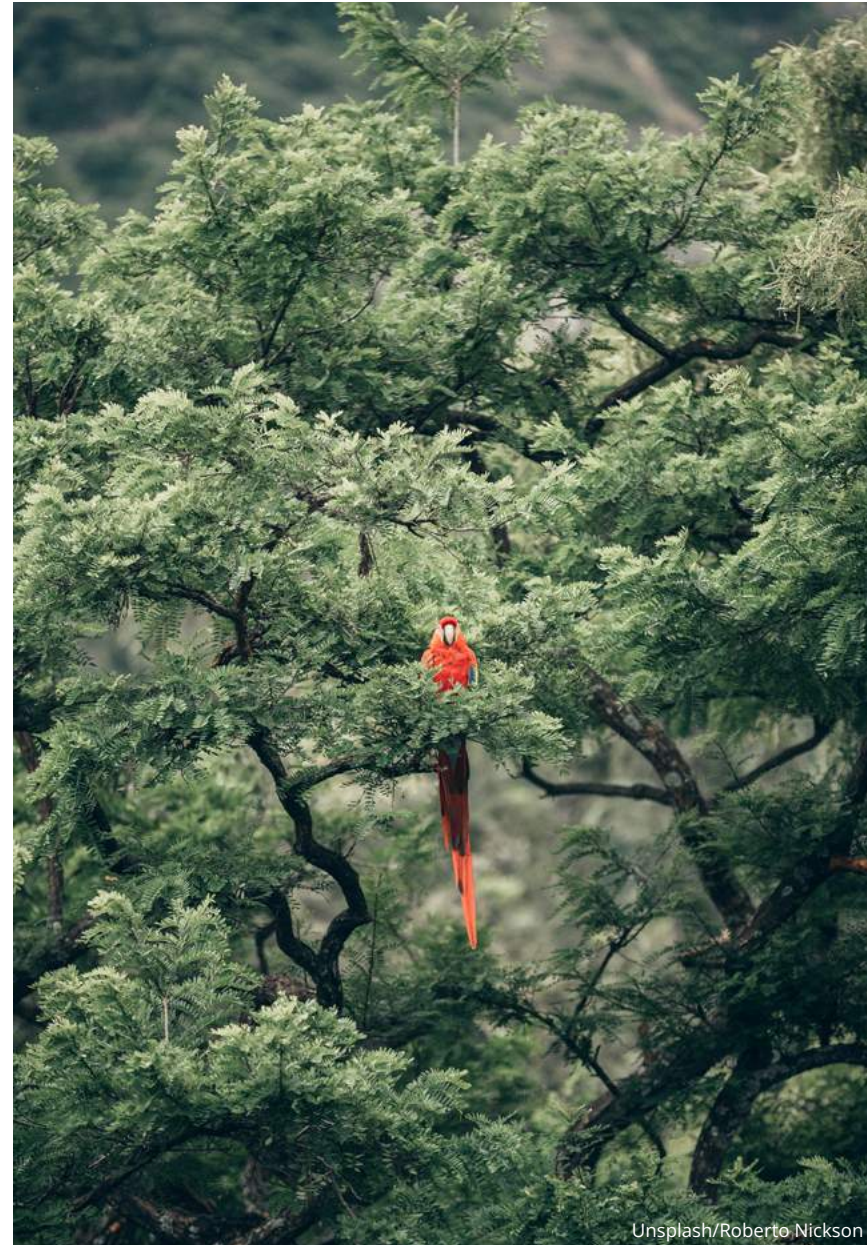
Applied Research | Public Policy | Knowledge Dissemination | Biodiversity

The project involves **research and training aimed at building capacity of companies, policy makers and financial institutions in the use and application of sustainable finance taxonomies for the protection and sustainable use of biodiversity and ecosystems.**

In 2022, the publication *Stocktaking Report: Biodiversity financing context in Brazil* ([click here](#)) was launched - available in Portuguese, English and Spanish - which presents an overview of the context of biodiversity financing in Brazil. It also analyzes the main dependencies and impacts related to biodiversity of two sectors that are relevant to the Brazilian economy: soy and livestock.

Also this year, two webinars were organized on topics relevant to the project. The first, held in partnership with Climate & Company, from Germany, discussed the main elements of the European Union Taxonomy on sustainable activities ([click here to access the video](#)).

In the second, the theme was the Taskforce on Nature-related Financial Disclosures (#TNFD) version 0.2 ([access the video here](#)), a framework



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under construction aimed at companies and financial institutions, guiding the reporting and management of nature-related risks and opportunities. In addition to a representative of the TNFD Secretariat, there were representatives of three companies that are members of the taskforce: Ecopetrol, from Colombia, and Suzano and Natura, from Brazil. The meeting was held in partnership with the Brazilian Business Council for Sustainable Development (CEBDS), coordinator of the National Consultation Group of the TNFD.

[Click here](#) to access the project's page and all the content produced.



Publication

Stocktaking Report: Biodiversity financing context in Brazil



Videos

[FGV & CEBDS] TNFD versão 0.2: business experiences and discussion

Overview of the European Union Taxonomy

Research Team

Annelise Vendramini

Natalia Lutti

Camila Yamahaki

Juliana Picoli

Gustavo Velloso

Status

In Progress

Sponsor

International Climate Initiative (IKI)

Partners

Frankfurt School - UNEP Collaborating Centre for Climate and Sustainable Energy Finance

Fondo Acción

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Scaling up the Green Rural Product Certificate (CPR Verde)

Applied Research | Public Policy | Climate | Ecosystem Services

The project aims to **analyze the challenges that must be tackled for the development of market of Green CPR (Cédula do Produto Rural)**. The Green CPR is defined in Decree No. 10,828/2021 as: CPR related to conservation and recuperation of native forests and their biomes that result in: reduction of greenhouse gas emissions; maintenance or increase of forest carbon stock; reduction of deforestation and degradation of native vegetation; biodiversity conservation; conservation of water resources; soil conservation; or other ecosystem benefits.

Research Team

Annelise Vendramini
Camila Yamahaki
Gustavo Velloso
Carolina Macedo

Status

In Progress

Sponsor

Inter-American Development
Bank

Partners

Inter-American Development
Bank
Ministry of the Economy

Contributions of the Green CPR

Applied research | Public policy | Climate | Ecosystem services

The project aims to offer contributions about the possibilities of using the Green Rural Product License (CPR).

Research Team

Annelise Vendramini
Camila Yamahaki
Gustavo Velloso
Natalia Lutti
Carolina Macedo

Status

In Progress

Sponsor

Aflora Ativos Ambientais

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9. Team



Bioeconomy and infrastructure in the Amazon: Analysis of the state of the art and case studies on infrastructure in Brazil

Applied Research | Bioeconomics

Based on the recognition that the “traditional” vision of infrastructure and its implementation in the Amazon region has resulted in major adverse socio-environmental impacts and has not contributed much to the economic and social development of the region, this research project sought to promote a positive discussion about the economic future of the Amazon.

The study's main objectives were to identify what type of infrastructure is needed to foster sustainable production chains in the Amazon region, as well as to map out what challenges must be overcome in order for the private financial sector to finance this infrastructure.

Research Team

Mario Monzoni
Annelise Vendramini
Daniela Gomes Pinto
Camila Yamahaki
Gustavo Velloso
Carolina Derivi
Samuel de Mello Pinto

Status

Finished

Sponsor

WWF

Partner

WWF

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9. Team



Identification of sustainable business models and regulatory framework for the expansion of distributed solar generation in low-income regions of Brazil

Applied Research | Renewable Energies

Based on a literature review, the study analyzed eight international cases of financing for distributed generation solar photovoltaic projects targeting low-income populations, identifying incentives and barriers to financing these projects.

Additionally, semi-structured interviews were conducted with stakeholders in the photovoltaic and financial markets, in order to analyse to what extent the barriers and incentives identified are applicable to the Brazilian context.

Research Team

Annelise Vendramini
Camila Yamahaki
Gustavo Velloso

Status

Finished

Sponsor

Prosperity Fund

Partner

Adam Smith Institute
FGV Projetos

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Integrated Education for Sustainability

Education

Since 2010, FGVces has been coordinating the Integrated Education for Sustainability (FIS), an elective course offered in undergraduate courses at FGV São Paulo, created in response to the UN initiative Principles for Responsible Management Education - PRME.

The course lasts one semester and two projects are proposed to each class: the Reference Project, a real and complex challenge that must be developed by the class collectively, and the Project of One's Own, which involves self-reflective and experiential activities.

Two classes were held in 2021 and two more in 2022. The FIS 22



class had the challenge of creating a visual experiment ([click here](#)) to imagine scenarios of the evolution of the climate resilience of the city of São Paulo in the next 30 years, while the 23rd class produced, in podcast format, a set of fables that reveals our humanity in the 21st century based on stories of São Paulo's rivers (available on [Spotify](#) and [YouTube](#)).

The 24th FIS class worked on the production of a multimedia communication campaign to encourage forest restoration in Brazil. Among the products, the group built an online platform using BI that gathers existing public policies for payment for environmental services, as well as NGOs working with restoration. FIS 25, in turn, produced a card game ([click here](#)) to dialogue and hope for futures in the Anthropocene.

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In 2022, FIS received two awards. The Angrad Award for Innovation in Teaching and Learning (award with commendation) and the gold medal in the Latin America regional awards at the Wharton School's QS-Wharton Reimagine Education Awards.

Teachers of the course and students from all editions also maintain a community in order to preserve and expand, beyond the borders of FGV, the process of integrated training for sustainability. In 2021, two online meetings were held to discuss the results of the IPCC's 6th report on climate change. In 2022, the community resumed with a face-to-face meeting at the end of the year.

[Click here](#) to access the FIS page.



Video

Integrated Education for Sustainability



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Research Team

Mario Monzoni
Fernanda Carreira
Gabriela Alem Appugliese
Beatriz Moraes
Ricardo Barretto
Laura Portella

Status

Ongoing project

Sponsors

CBA, Nespresso, Movida, Instituto Eco Futuro

Partner

Instituto Ipê

Courses at GNAM Week

Training | Local Development

FGVces offers courses in GNAM Week, an academic initiative that promotes the exchange of experiences among MBA students of the Global Network for Advanced Management, a platform formed by 32 business schools from around the world, of which FGV EAESP is a member. The courses provide students with a space to reflect on the concept of leadership for sustainability based on contact and relations with different realities and social actors.

In 2021, two classes of the course Sustainable Leadership: the Rainforest Perspective were held, a learning experience where 34 foreign students could interact virtually with local players from the Amazon region, experts in climate change, ESG and local development.



Isabella Santiago/FGVces

Three courses were offered in 2022: Systemic alternatives for a strong sustainability: Brazilian perspectives, conducted online (in June), and Sustainable Leadership: the rainforest perspective, conducted online (in March) and face-to-face (in October) in the Tapajós region of Pará, where the class met with different realities and social actors, such as local communities, NGOs and government agencies. A total of 38 students from different business schools around the world participated.

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Video



FGVces at GNAM Week | Tapajós Expedition

Research Team

- Fernanda Carreira
- Daniela Gomes Pinto
- Gabriela Alem Appugliese
- Luis Felipe Bismarchi
- Carolina Derivi
- Guilherme Lefèvre
- Dionéia Ferreira
- Isabella Santiago

Status

Ongoing project

Partners

Ecotoré



Isabella Santiago/FGVces

Isabella Santiago/FGVces



Transversalization of the SDGs in the syllabus of courses

Education

FGVces developed a video lesson and a faculty development workshop for the various graduate programs at FGV EAESP to start designing their courses through the lens of the Sustainable Development Goals (SDGs).

The video lesson was made available to all faculty in the Professional Master in Management for Competitiveness (MPGC), One MBA, DBA-fin, and DBA programs. The two workshops were attended by more than 25 faculty members.

Research Team

Fernanda Carreira
Beatriz Moraes
Gabriela Alem Appugliese

Status

Finished

Application of the game Celsius, the challenge of 2 degrees in the ONE MBA

Training | Dissemination of Knowledge | Climate Change

Developed by FGVces, 'Celsius - the challenge of 2 degrees' is a board game to train managers in the subject of climate change and business performance.

In 2022, the game was applied in partnership with Fabiano Onça Games to a group of 30 international executives from FGV EAESP's One MBA program, followed by a lecture on climate change in business management.

Research Team

Fernanda Carreira
Beatriz Moraes
Gustavo Velloso
Gabriela Alem Appugliese

Status

Finished

Partners

Fabiano Onça Games

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9. Team

Immersion electives courses

Education

In 2021, FGVces conducted three immersion electives for students at FGV EAESP.

Climate change and argumentative strategies in times of fake news

The course was offered in the two semesters of 2021 with the goal of being a learning experience on climate change and, based on the recognition of the central challenges to communicate the crisis in times of denialism and fake news, offered a space for experimentation

with argumentative strategies for diverse interlocutors.

Approximately 50 students from FGV's Business Administration, Public Administration and Law courses produced communication pieces based on the creation and argumentative strategies about one of the most fashionable and economically risky themes of the coming years.

Conducted by Gabriela Alem and Guarany Osório, the classes also had the participation of: Andreia Louback and Felipe Lobo, who brought the perspectives of climate justice and of art as a medium for communication; Luis Felipe Bismarchi, who contributed a provocative view on the economic paradigms that reinforce the climate; and Ricardo Barretto, who added integrated experiences between body, climate and communicative flows.

Responsible consumption: a way out of the ecological crisis?

Professor Isleide Fontenelle's course counted on the partnership of researcher Fernanda Carreira and support from researcher Beatriz Moraes, and had the objective of problematizing the role of consumption in the contemporary ecological crisis, that of the Anthropocene.



Jardim das Delícias Terrenas. Tríptico de Hieronymus Bosch. 1514-1515



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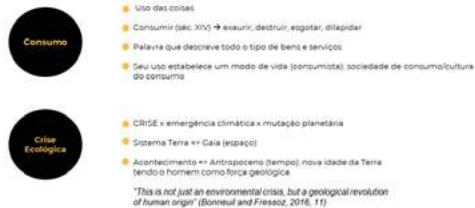
7. Communication and mobilization

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9. Team

The classes, offered to 24 undergraduate business administration students, included the participation of researcher Juliana Picoli, from FGVces, who spoke about life cycle thinking; Marina Colerato, from Modifica, who brought a critical view of the business sector and addressed consumption issues; and Edinho Renovo and Kaká Werá, who presented other cultures' and cosmologies' views on the issue of consumption and the ecological crisis.

Consumo e crise ecológica



Formative meetings on sustainability for student entities of FGV EAESP

Education

In partnership with the student organizations Gaia, Incubadora Tecnológica de Cooperativas Populares (ITCP), AIESEC and FGV Global, FGVces has held four online meetings to introduce sustainability topics. More than 80 students from FGV and outside the institution participated in the formative meetings about sustainable development and planetary limits, climate change, life cycle thinking, and sustainability for small and medium-sized companies.

Research Team

Fernanda Carreira
Beatriz Moraes
Gabriela Alem Appugliese
Ana Coelho
Juliana Picoli
Jéssica Campanha

Status

Finished

Research Team

Fernanda Carreira
Beatriz Moraes
Gabriela Alem Appugliese
Guarany Osório

Status

Finished

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Sustainability track of the Professional Master in Management for Competitiveness (MPGC)

Education

Coordinated by FGVces, the Sustainability track of the Professional Master's in Management for Competitiveness (MPGC) seeks to develop students' ability to understand sustainability dilemmas, connect sustainability concepts to strategic business management, apply management tools to decision-making processes, and act as agents of change towards sustainable development.

The educational path is innovative and includes practical projects, field trips, and personal reflection to develop people who are more aware and engaged with themselves and in their relationship with others and with the whole.

In 2021, master's class 6 developed four distinct projects, related to the themes of: organic agriculture and agribusiness; the social dimension of ESG; participatory processes in concession/privatization of national parks; and women in situations of social vulnerability in pandemic.

Class 7, in 2022, prepared seven projects related to the themes of: ASG investment; Net Zero Goals; communication on climate change; culture for sustainability in companies; communication methodology; financial education; culture, heritage and diversity.

The FGVces team, together with a group of graduates from the Sustainability track, organizes meetings to continue the community's education. Three virtual meetings were held on ecological economics and systemic alternatives, on the COP26 negotiations, and a meeting with Professor Aswath Damodaran, from New York University/Stern School of Business.

[Click here](#) to access the MPGC - Sustainability page.

Research Team

Fernanda Carreira

Mario Monzoni

Annelise Vendramini

André Pereira de Carvalho

Daniela Gomes Pinto

Guarany Osório

Mayara Alves de Souza

Status

Ongoing project

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Short-term training courses for knowledge dissemination

Training | Knowledge Dissemination

In order to disseminate the content produced in its research projects to a wider audience, FGVces offered short, online training courses lasting 16 hours each.

In total, 275 people signed up, and 80 full (100%) and partial (50%) scholarships were awarded for the trainings, which addressed several sustainability topics, such as

- Introduction to sustainability in business strategy;
- Environmental, Social and Governance Aspects (ESG);
- Emissions management and carbon pricing;
- Ecosystem services;
- Diversity and gender inclusion in organizations;
- Fashion and sustainability;
- Life cycle assessment and circular economy; and Territories, business and development.

Research Team

Gabriela Alem Appugliese
 Mayara Alves de Souza
 Beatriz Moraes
 Annelise Vendramini
 Daniela Gomes Pinto
 Guilherme Lefèvre
 Juliana Picoli
 Natalia Lutti
 Marta Blazek
 Luis Felipe Bismarchi
 Carolina Bastos
 Beatriz Moraes
 Karine Julião
 Mayara Souza
 Miria Rodrigues
 Samir Eid
 Samir Luna

External Team

Juliana Agostino
 Ricardo Dinato
 Marina Colerato
 Caroline Rodrigues

Status

Ongoing project

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Customized Programs for Organizations

Education | Dissemination of Knowledge

OFGVces has been active in designing and facilitating customized training, learning processes and co-creation for organizations. The programs address theoretical and technical knowledge on sustainable development issues and themes, as well as practices and activities that seek to promote changes in people's attitudes, perceptions and values through integrative experiences.

In 2021, four programs were developed with organizations. The **Raízen FIS Experience** was the first full application of the 'FIS - Integrated Education for Sustainability' methodology in the corporate context. There were 17 online meetings (totaling approximately 44 hours) for a group of the company's trainees, whose central theme was gender

equity in the bioenergy sector. The training, besides developing and improving soft skills and leadership competencies for sustainability, resulted in a digital map on the issue of inclusion of women in the value chain of companies in the bioenergy sector. The content will also be used as a pedagogical tool by Raízen University.

Gender equity was also the theme of the online training developed for two groups composed of representatives of companies that integrate the 'Child Friendly Company' program of the **Abrinq Foundation**. The training aimed to promote visibility and understanding of concepts related to gender issues, recognize exclusionary practices in organizations, and inspire individual action and organizational performance for possible reparations. In all, 63 representatives from about 60 different companies from all over Brazil, various sectors and sizes participated. The training was made possible through a partnership with the Abrinq Foundation, ODS Strategy, and co-financing from the European Union.

In partnership with **International Paper**, a training course was held for 13 trainees and 10 professionals, with the objective of contributing to the awareness and expansion of knowledge and repertoire on sustainability of the company's multipliers. Topics related to the principles of strong sustainability, green economy, climate change, circular economy, life cycle, emissions management, local development, ecosystem services, and ESG (environmental, social, and governance) were addressed. In addition to the concepts, the training included an immersion to deepen the listening of other actors and a prototyping space for solutions focused on sustainability.

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Complexidade
Sustentabilidade
Liderança





Also in 2021, FGVces held two workshops for **Klabin** on the theme of **carbon management as a corporate strategy** to train the company's board of directors and industrial managers.

In 2022, three trainings were held in partnership with FGV In Company. For two days, at the **Novo Nordisk** production unit in Montes Claros (MG), FGVces conducted training on **corporate sustainability** agendas and topics related to ESG aspects (environmental, social, and governance). ESG aspects was also the theme of the training held for executives of the companies **Ernest Young** and **Usina São Martinho**.

During four months, the FGVces team conducted an online training for **Coca-Cola's (FEMSA) Environmental Education Program** on basic concepts and stimulated conversations about sustainability and sustainable development. The training, offered free of charge, was divided in three modules that approached the topics: sustainability and the 17 Sustainable Development Goals, climate and biodiversity, water resources, and environmental sanitation. People living in the municipalities of Itabirito, Moeda, Nova Lima, and Brumadinho, in Minas Gerais, participated, among them teachers who were able to go through an exclusive four-meeting track on education for sustainability and environmental education, having as transversal concepts transdisciplinarity, democratic management, and ecological education. a gestão democrática e a educação ecológica.

Research Team

Fernanda Carreira
 Beatriz Moraes
 Gabriela Alem Appugliese
 Luis Felipe Bismarchi
 Isabella Santiago
 Guilherme Lefevre
 Jéssica Campanha
 Juliana Picoli
 Daniela Gomes
 Natalia Lutti
 Annelise Vendramini
 Guilherme Lefevre
 Guarany Osório
 Camila Yamahaki
 Gustavo Velloso
 Marta Blazek
 Daniel Roquetti
 Karine Julião
 Samuel de Mello Pinto

External Team

Ricardo Barreto
 Caroline Rodrigues

Invited speakers

Renata Camargo
 Monique Cardoso
 Kelli Malfort
 Vicente Góes
 Jéssica Lameu
 Rejane Maria

Gabriela Calil
 Auritha Tabajara
 Carol Rossetti
 Alexandre Myake
 Amanda Kamanchek
 Beatriz Accioly
 Deborah Sabará
 Gabriela Augusto
 Dionéia Ferreira
 Heloisa Amurov
 Rodrigo Moura
 Tayná Leite
 Déborah Amaral
 Mônica Picavea
 Rodrigo Wanderley
 Gisele Kamura
 Luiz Diniz
 Juliana Gonçalves

Status

Ongoing project

Partners

Raízen
 Fundação Abrinq
 Estratégia ODS
 International Paper
 Klabin
 Novo Nordisk
 Ernest Young
 Usina São Martinho
 Cola-Cola FEMSA

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A portrait of childhood and adolescence in Brazil: president's child-friendly program

Applied Research | Dissemination of Knowledge | Public Policy

The study presents data and analyses based on the monitoring of public indicators, with the objective of supporting the implementation of public policies to improve the living conditions of children and adolescents in the country.

The publication ([click here](#) to access it) is the result of a partnership with the Abrinq Foundation and the ODS Strategy, with co-funding from the European Union, and marked the launch of the President's Program for Children, an initiative of the Abrinq Foundation, which aims to establish a commitment from the federal government to this agenda, to be delivered to candidates for president in 2022.

Research Team

Beatriz Moraes
Gabriela Alem Appugliese
Fernanda Carreira
Ana Marcia Fornaziero Ramo
Elize Massard da Fonseca
Beatriz Cipriano Portella
Lara Elena Ramos Simielli
Mariana Xavier Nicolletti
Vinicius Galante de Souza
Fernando Pimentel Burgos dos Santos

Status

Finished

Partners (implementation)

Fundação Abrinq
Estratégia ODS

Co-financiamento

União Europeia

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Publication

A portrait of childhood and adolescence in Brazil: child-friendly president program



Business Initiatives

Applied Research | Training | Dissemination

Coordinated since 2010 by FGVces, the Business Initiatives (iE) network brings together companies interested in accessing, producing knowledge and exchanging experiences on the advances and challenges of business management for sustainability.

The network works on various sustainability topics in annual cycles of activities, dedicated to contributing to strategies, policies, practices and business relations that insert and strengthen socio-environmental agendas at the heart of business, with a view to the transition to a green, resilient, low-carbon and socially just economy.

In both 2021 and 2022, the network delved deeper into the climate theme and generated, respectively, the publication *Frontiers of Corporate Climate Action* ([click here](#) to access), which brings a support framework for diagnosis and definition of business strategies, and the guide *Good business practices for climate change mitigation goals* ([access here](#)).

[Click here](#) to access the project's page and all the products generated.



Publications

Good corporate practices for climate change mitigation goals

Frontiers of Corporate Climate Action

Research Team

Marta Blazek

Gabriela Alem Appugliese

Guarany Osório

Status

Contínuo

Empresas participantes em 2021

AMBEV

ArcelorMittal

Banco do Brasil

BASF / Fundação Espaço Eco

Grupo Boticário

Bradesco

CPFL

Klabin

Leroy Merlin

Magalu

Petrobras

Empresas participantes em 2022

3M

Banco do Brasil

Bradesco

Braskem

Cargill

CPFL

Engie

Fundação Espaço Eco/BASF

Furnas

Gerdau

Klabin

Leroy Merlin

Sanepar

Petrobras

Taboca

TIM

Smurfit Kappa

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Development of Simplified Procedures for Economic and Monetary Valuation of Ecosystem Services and Non-Monetary Valuation of Cultural Ecosystem Services Associated with Restoration

Applied Research | Advisory Services

Project carried out in partnership with the Instituto de Pesquisas Ecológicas (IPÊ) and the company CTG-Brasil to evaluate the contribution of Cultural Ecosystem Services eventually generated by environmental conservation areas. Forest restoration can generate intangible benefits for people, which in turn translate into well-being



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for communities and can strengthen their livelihoods. Based on this premise, the project aims to identify and value Cultural Ecosystem Services with a focus on four selected Environmental Conservation Areas under management of CTG Brasil (located in the municipalities of Narandiba, Sandovalina and Teodoro Sampaio in the state of São Paulo, and Itaguajé in the state of Paraná), complementing the environmental analysis of ecosystem services provided by these areas, carried out by IPÊ, in order to contribute to the socio-environmental management processes of CTG Brasil.

Throughout the project, methodological and participatory processes are being developed and applied for the Non-Monetary Valuation of ESCS, in addition to analyses based on the Contribution of Nature to People, a notion recently consolidated by IPBES (2022), which seeks to expand the definition of ESCS to include intangible contributions that are not always easy to classify.

In 2022, field procedures were carried out and dialogues were established with more than 130 people who live around these areas, raising and systematizing primary data from 38 semi-structured interviews conducted in approximation processes, and six workshops for the identification of the contribution of these reforested areas in terms of intangible issues, which relate to the ways of life of these communities.

Research Team

Marcos Dal Fabbro
Léa Lameirinhas Malina
José Agnello Dias de Andrade
Doraci Cabanilha de Souza
Marta Blazek
Natalia Lutti Hummel Wicher

Status

In Progress

Sponsor

CTG-Brasil
Instituto de Pesquisas Ecológicas (IPÊ)

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El Agua nos Une – SuizAgua Brasil

Applied Research | Advisory Services

Between 2018 and 2021, FGVces conducted the first work cycle in Brazil of El Agua nos Une, an initiative led by the Swiss Agency for Development and Cooperation (COSUDE) that aims to develop and strengthen, in the countries where it operates (Mexico, Colombia, Peru, Chile and Brazil), the management of water resources in companies through the water footprint technique.

In Brazil, the initiative worked in partnership with the companies CBA, Klabin and Votorantim Cimentos and signed two strategic partnerships with the consultancy ACV Brasil and the Rede Brasil do Pacto Global. During the initiative, between 2018 and 2021, FGVces promoted trainings, events, webinars and meetings to continue advancing the practice and collaborative construction of knowledge around the water footprint as a corporate management tool. The project's activities included the water footprint training of 35 professionals from the three companies, totaling 32 hours of training.

Subsequently, with the follow-up of FGVces specialists, the companies carried out studies with the choice of the product to be considered, definition of the objective and scope, elaboration of the process map, process data survey, primary data collection, elaboration of the life

cycle inventory, modeling in software, interpretation of the results and, finally, elaboration of water footprint reduction plans.

The results and lessons learned from the initiative can be accessed in the publication by clicking here. Also check out the video of the project (here).



Publication



Results of the El Agua Nos Une Initiative - Suizagua Brazil 2018-2021



Video



Water Footprint - El Agua nos Une

Research Team

Annelise Vendramini
Juliana Picoli

Status

Primeiro ciclo Finished

Sponsor

Agência Suíça para o
Desenvolvimento e Cooperação
(COSUDE)

Partners

ACV Brasil
Rede Brasil do Pacto Global
CBA
Klabin
Votorantim Cimentos

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Textile fibers: a systemic perspective sustainable pathways for circular fashion

Applied research

Conducted by Modifica and carried out in partnership with Regenerate Fashion, the project resulted in the first Brazilian publication ([click here](#) to access) responsible for analyzing, in a qualitative and quantitative way, the social and environmental impacts of the production of the three most used fibers in the fashion industry: cotton, polyester and viscose.

FGVces studied the environmental impact of fibers through Life Cycle Assessment (LCA) considering five impact categories: climate change, water consumption, toxicity, land use, and energy use.

The project was based on the circular economy concept, which, applied to fashion, defines a closed-loop production and consumption system, based on recycling, repair, and reuse of materials and inputs. Considering this, the study also evaluated the fibers for their circularity potential. Finally, scenarios for the circularity of alternative textile fibers were developed. The scenarios evaluated focused on the production of agroecological cotton, polyester from recycled

polyethylene terephthalate bottles (PET bottles), and viscose via alternative processes.

In March 2021, the song Fios da Moda was also released, written by the singer and composer Carol Naine ([access it here](#)), whose musical repertoire is remarkable for joining music and social criticism.



Publication

FASHION THREADS: Systemic Perspectives for Circularity



Videos

Fashion Threads: A Systemic Perspective for Circularity

Fashion threads by Carol Naine

Research Team

Annelise Vendramini
Juliana Picoli

Status

Finished

Sponsor

Laudes Foundation
Modifica

Partners

Modifica
Regenerate Fashion

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Diagnosis, evaluation of impacts and valuation of damages caused to the communities affected by the Fundão dam collapse

Applied research | Advisory Services | Dissemination of knowledge

Executed since 2018 by several schools and study centers of Fundação Getulio Vargas, the project sought to **diagnose and value the socioeconomic damages caused to the people affected by the disaster of Samarco Mineração S/A (controlled by Vale S/A and BHP Billiton Brasil Ltda.), in the Fundão dam in Mariana (MG)**. This performance was based on agreements signed during the judicial process, qualifying FGV as a technical assistant/expert of the Justice Institutions involved in the case.

Coordinating the technical contributions in sustainability, with a focus on the centrality of the affected people, FGVces has undertaken significant mobilization and articulation of institutions and social leaderships with the objective of understanding the ways of life disrupted and/or compromised by the disaster, building with broad social participation processes of damage identification, systematizing and analyzing the information collected from the various affected

social groups in territories throughout the basin. It also undertook an innovative methodology to qualify the immaterial damages, losses usually not observed in reparatory processes of this nature.

In this sense, more than **10,000 narratives were collected in approximately 200 face-to-face and remote interactions, the latter involving approximately 2,000 people directly**. In addition, in most of the 45 municipalities recognized, so far, as affected in the states of Minas Gerais and Espírito Santo, meetings/dialogues were held for the presentation of the project, understanding of the local reality, planning, and mobilization. Mayors, municipal secretaries, and civil servants participated in these interactions, as well as representatives of state and federal institutions that operate in the basin, considering the states of Minas Gerais and Espírito Santo. The same process was carried out with social organizations, such as unions, neighborhood



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associations, popular collectives, and social movements, among others.

FGVces also routinely accompanied meetings of the governance space of reparation actions through technical chambers that are organized in the Interfederative Committee, created in response to the disaster caused by the collapse of the Fundão dam.

In addition, periodic meetings were held with the Federal and State Public Prosecutors' Offices in Minas Gerais and Espírito Santo, as well as with the Public Defenders' Offices operating in these states. All the data collected in the field is stored in detail in a database created specifically for this purpose.

The results have allowed us to qualify **42 socio-economic damages, supported by participative methods and legal techniques,**

allowing us to address the rights violations identified so far. Such a course made possible valuation procedures that subsidize reparatory processes, including immaterial damages.

At the end, after the publication of reports that organize the data collected, analysis and results, FGVces held a series of 20 meetings throughout the the affected areas of Rio Doce and coast (17 face-to-face and 3 online), finalized in November 2022 after a distance of 2,500 km, with the intention of communicating and debating with the affected people, fulfilling its commitment to return to the communities the results achieved, instrumentalizing the disputes that persist in access to rights.

The dimension of the impacts of this work is still far from being measured in order to understand its real reach, since it reveals the memory of the disaster from the point of view of the affected people - an absolutely unprecedented survey, with repercussions in the judicial process that seeks integral reparation for the affected people, with developments in different instances of the justice system and in several academic studies underway.

[Click here](#) to access the project's page.

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Research Team

Marcos Dal Fabbro
Mario Monzoni
Adriana Fraga
Ana Carolina Araújo Fernandes
Ana Clara Candido Costa
Carina Gomes
Carolina Ribeiro
Carolina Ximenes de Macedo
Cintia Dall'Agnol
Daniel Roquetti
Doraci Cabanilha de Souza
Fernanda Pinheiro da Silva
Graziela Azevedo
Haydée da Cunha Frota
José Agnello de Andrade
José Del Ben Neto
Léa Malina
Letícia Artuso
Luis Pedro de Sousa
Marcela Elena Varconte
Maria Letícia Carvalho
Maria Patrícia da Silva
Mariana Machini
Marina Borges
Míria Alvarenga
Natalia Lutti Hummel Wicher
Rafael Mantarro de Carvalho
Roseli Bueno de Andrade
Taís Helena da Silva Teodoro

Status

Finished

Demanders

Ministério Público Federal em cooperação com os Ministérios Públicos de Minas Gerais e do Espírito Santo, Defensorias Públicas desses estados e da União

Sponsor

Samarco Mineração S/A (Vale S/A e BHP Billiton Brasil Ltda)

Partners

Ministério Público Federal (MPF)
Ministério Público do Estado de Minas Gerais
Ministério Público do Estado do Espírito Santo
Defensoria Pública do Estado do Espírito Santo
Defensoria Pública do Estado de Minas Gerais
Fundo Brasil de Direitos Humanos
Universidade Federal de Ouro Preto (UFOP)
FUNAI – Fundação Nacional do Índio
Assessoria Técnica Independente Centro Alternativo de Formação Popular Rosa Fortini
Movimento Atingidos por Barragens - MAB
Assessoria Técnica Independente Associação Estadual de Defesa Ambiental e Social – AEDAS
Assessoria Técnica Independente Cáritas Brasileira – Regional Minas Gerais Centro Agroecológico Tamanduá (CAT)
Associação de Desenvolvimento Agrícola Interestadual (ADAI)
Sindicato dos Pescadores Profissionais, Artesanais, Aquicultores, Marisqueiros, Criadores de peixes e Atividades afins na área da pesca do Espírito Santo (SINDPESMES)

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Adaptation to climate change by family agriculture in São Paulo's Green Belt



Territorial Development Agenda for the BR-319 region: strengthening territories of good living



Municipal agendas for urban and periurban agriculture: a guide to insert agriculture in urban planning processes



Good business practices for climate change mitigation goals



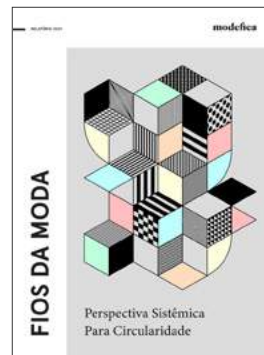
Cabotage Navigation in Brazil: An Analysis of the Legislative Process of Statute No. 14,301/2022 ("BR do Mar") Using Kingdon's Multiple Streams Framework



Drivers of and barriers to capital market investments in low-carbon infrastructure in Brazil



Exploring emerging norms of climate neutrality: implications for international climate cooperation and finance



Fashion Threads: A Systemic Perspective Towards Circularity



Strengthening sustainable value chains: FGVces' contributions to the Atlantic Forest Connection project



Frontiers of Corporate Climate Action



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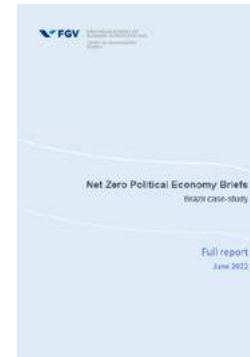
International Climate Finance and support to national climate policy processes in emerging markets



International Thematic Study on the Global Stocktake



Independent Territorial Monitoring in the Amazon: Reflections on Strategies and Results



Net Zero Political Economy Briefs: Brazil case-study



New approaches in public management for the food chain: Family farming youth as protagonists of agroecological transition



Stocktaking Report: Biodiversity financing context in Brazil



Parameters and Subsidies for Reparation of Socioeconomic Damages in the Territories of Rio Doce, Santa Cruz do Escalvado and Chopotó



Parameters and subsidies for repairing socioeconomic damage to the Tupiniquim and Guarani peoples in Aracruz (ES)



Parameters and subsidies for repairing socioeconomic damage in the shrimp fishing chain at Praia do Suá in Vitória (ES)



Portfolio of selected initiatives - Greener Belt Project



Training Program in Sustainability and Gender Equity



Rio Doce Project - Annual Activity Report: 2020



Promoting the conversion to organic production by family agriculture: recommendations for the chain



Estuarine, Coastal and Marine Region of Espírito Santo: recognition, responsibility and socioeconomic damage resulting from the Samarco disaster



Annual Report of the Brazilian GHG Protocol Program: results of the 2022 cycle



Results of the El Agua Nos Une Initiative - Suizagua Brazil 2018-2021



Roadmap to Build Recommendations for Climate Change Adaptation Among Smallholders: Methodology sharing from the Greener Belt Project experience



A portrait of childhood and adolescence in Brazil: child-friendly president program



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9. Team

6. Academic production

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Digital communication

The digital channels of FGVces are used to share the knowledge generated by the projects, disseminate the strategies, policies and tools for public and corporate management developed by the teams, and raise awareness among different audiences about issues that are central to the Center's activities, such as the protection of the environment as a means of sustaining all forms of life and the incorporation of the rights of current and future generations into present-day decisions.






The initiatives, events and projects are disseminated through news, newsletters, videos and materials produced especially for social networks. The FGVces website and social networks are used, as well as FGV's digital channels.

Below are some indicators of access and reach of the publications.

Site

| | 2021 | 2022 |
|-------------------------|--------|--------|
| Users | 34.555 | 52.865 |
| Sessions (pages viewed) | 56.651 | 93.750 |

Social media

| | 2021 | 2022 |
|---|----------|----------|
|  Twitter (followers) | 24,2 mil | 25,7 mil |
|  Facebook (likes) | 12.467 | 12.526 |
|  Instagram (followers) | 2.357 | 2.902 |
|  LinkedIn (followers) | 6.885 | 8.822 |
|  YouTube (subscribers) | 3.643 | 4.314 |



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Press

Understanding the mass media as fundamental for the dissemination of knowledge and the insertion of FGVces in the public debate, the communication team continuously carries out press relations actions to suggest agendas, articles and interviews with the Center's staff.

Specifically in 2021, a partnership was established with the Valor Econômico website for the monthly publication of articles signed by the researchers.

Check out the numbers of insertions in the press during the period:

| | 2021 | 2022 |
|---------------------------------|------|------|
| Number of articles in the press | 79 | 148 |

Check out articles with contributions from FGVces

Financial Times 11/05/2021

Reputation fears propel surge of ESG investment in Brazil

- Participation of Annelise Vendramini

Valor Econômico 18/05/2021

The ESG metaverse

- Article by Mario Monzoni and Fernanda Carreira

Um Só Planeta/Globo 19/05/2021

Digitization helps agro-ecological producers in the Atlantic Forest to face pandemic

- Participation of Manuela Santos

Globo News 02/11/2021

COP 26

- Participation of Guarany Osório

Exame 19/05/2022

Ten recommendations for a regulated carbon market in Brazil

- Article by Guilherme Lefevre, Gustavo Breviglieri e Guarany Osório

Folha de S. Paulo 24/10/2022

Environmental pressure doubles the number of companies reporting carbon emissions

- Participation of Guilherme Lefevre, e Guarany Osório

Mongabay 22/11/2022

Report offers a road map to restore the rule of law in the Brazilian Amazon

- Participation of Daniela Gomes Pinto

Nexo 25/11/2022

How the public power can encourage urban agriculture

- Participation of Jéssica Chrissyafidis

Read the articles published in Valor Econômico

The cost of ESG disclosure - Annelise Vendramini (08/08/2022)

The mobilization of individual investors can accelerate the adoption of the ESG in Brazil - Mario Monzoni, Alessandra Becker Rieper, Anderson Ignácio e Victor Mizusaki (01/09/2022)

The S of ESG on an equal footing - Daniela Gomes Pinto (28/09/2022)

The role of companies in democratizing the access to organic food - Ana Moraes Coelho (11/10/2022)

Expectations for COP27 and the International Carbon Market - Guarany Osório e Guilherme Lefèvre (04/11/2022)

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Events

FGVces also promotes events to share knowledge, strengthen and/or articulate partnerships, generate engagement, and give visibility to the projects.

In general, the events are geared toward the target audience of the projects, but some are also disclosed to the general public, expanding the reach of the messages and content shared.

In 2021, **38 online events** were held, which together were **accessed by 12,561 people**. The following year, there were **113 events (online and in person)**, with an impact on **4,240 people**.

Converte-se Project cycle closing event



FGVces Business Initiatives Forum

V BR-319 Women's Meeting



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Sponsors 2022

3M
Aflora
Banco do Brasil
BASF
Bradesco
Braskem
Cargill
Carrefour Brasil
CBA
Charles Stewart Mott Foundation
Citi Foundation
Coca-Cola Femsa
CPFL
CTG Brasil
Engie
Estratégia ODS
Fundação Abrinq
Fundação Carrefour
Furnas
Gerdau
Gordon and Betty Moore Foundation
IADB
Instituto Eco Futuro
IKI – International Climate Initiative | German Federal Ministry for the Environment

Klablin
Leroy Merlin
Mineração Taboca
MOVIDA
Nature Conservation
Nespresso
Novo Nordisk
Federal Ministry for the Environment, Nature Conservation, Nuclear Safety and Consumer Protection
Petrobras
Rainforest Alliance
Raízen
Research England Policy Impact Funding / UK Research and Innovation
Samarco Mineração S.A.
Sanepar
São Martinho
Smurfit Kappa
Suzano
TEEB Agrifood, iniciativa do Programa das Nações Unidas para o Meio Ambiente (PNUMA)
Tim
WWF Brasil

Partners 2022

CI Conservation International
Climate Strategies (Reino Unido)
DIW Berlin
Energy and Mobility (Alemanha)
Estratégia ODS
Faculty of Economic and Management Sciences - University of Pretoria
Fondo Acción
Frankfurt School
Fundação Black Jaguar
Institute for Climate Protection
Institute of Development Studies
Instituto Ipê
Ministério da Cidadania
Ministério da Economia
Ministério Público Federal
Network for Business Sustainability (NBS)
NewClimate Institute (Alemanha)
PUC-RJ
Queen Mary University of London
Rede Transdisciplinar da Amazônia (Reta)

TEEB Agrifood, iniciativa do Programa das Nações Unidas para o Meio Ambiente (PNUMA)
The Climate Change Center - Institute of Technology Bandung (Indonésia)
The Energy and Resources Institute (Índia)
TNC
Uma Concertação pela Amazônia
Universidade Federal do Pará
Universidade Federal do Oeste do Pará
University of Cape Town - Energy Research Centre (África do Sul)
World Resources Institute (WRI)
WWF
Zeppelin University

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Sponsors 2021

Agencia Suiza para el Desarrollo y la Cooperación (COSUDE)
Carrefour Brasil
Citi Foundation
Climate Strategies
CTG Brasil/ANEEL
European University Institute
Fundação Abrinq
Fundação Carrefour
Fundação Charles Stewart Mott
Global Environment Facility
Gordon and Betty Moore Foundation
International Paper
Ministério do Meio Ambiente alemão (International Climate Initiative - IKI)
Prosperity Fund
Raízen
Samarco Mineração S.A.
WWF Brasil

Partners 2021

ACV Brasil
Adam Smith Institute
Agencia Suiza para el Desarrollo y la Cooperación (COSUDE)
AMBEV
Arcelor Mittal
Assessoria Técnica Independente Centro Alternativo de Formação Popular Rosa Fortini
Associação Estadual de Defesa Ambiental e Social – AEDAS
Banco do Brasil
BASF
Boticário
Bradesco
Cáritas Brasileira – Regional Minas Gerais
Caritas Diocesana de Governador Valadares
Caritas Diocesana de Itabira
Centro Agroecológico Tamanduá - CAT
Climate Strategies
Coalizão de Liderança em Precificação de Carbono (CPLC)
CPFL
CTG-Brasil
Defensoria Pública do Estado de Minas Gerais

Defensoria Pública do Estado do Espírito Santo
Delegação da União Europeia no Brasil
Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ)
DIW Berlin
Estratégia ODS
European University Institute
Fondo Acción
Frankfurt School
Fundação Abrinq
Fundo Brasil de Direitos Humanos
IKEM
Institute of Technology Bandung
International Paper
IPÊ - Instituto de Pesquisas Ecológicas
Klabin
Leroy Merlin
Frankfurt School
Fundação Abrinq
Fundo Brasil de Direitos Humanos
IKEM
Institute of Technology Bandung
International Paper

IPÊ - Instituto de Pesquisas Ecológicas
Klabin
Leroy Merlin
Magalu
Ministério Público do Estado de Minas Gerais
Ministério Público do Estado do Espírito Santo
Ministério Público Federal (MPF)
MODEFICA
Movimento Atingidos por Barragens - MAB
NewClimate Institute
Petrobras
Raízen
Rede Brasil do Pacto Global
Sindicato dos Pescadores Profissionais, Artesanais, Aquicultores, Marisqueiros, Criadores de peixes e Atividades afins na área da pesca do Espírito Santo (SINDPESMES)
Sindicato dos Trabalhadores Rurais de Marliéria
TERI
University of Cape Town
Vivid Economics
WWF Brasil

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Member companies of the Brazilian GHG Protocol Program in 2022

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| Acumuladores Moura S/A | Atlas Governance | BRAVANTE | CESP |
| ADATA Technology Brazil S/A | AVB | Bresco | CGN Brasil Energia e Participações S.A. |
| Aegea Saneamento | Aviagen | BRF | Cipalam - Laminação Iguaçu |
| AES Brasil | Azul | Bristol Parts | Círculo S/A |
| AGEO Terminais e Armazéns Gerais S.A | B3 | Bristow | Citrosuco |
| AGROGALAXY | BAESA | BRK | CMIN |
| Agrogenius | Banco ABC Brasil | BSBIOS Passo Fundo | COMBIO Energia |
| Aker Solutions | Banco de Investimentos Credit Suisse (Brasil) S.A | BTP | Companhia Brasileira de Alumínio |
| ALBRAS | Banco do Brasil | BUNZL EPI | Companhia de Fiação e Tecidos Cedro e Cachoeira |
| Alcoa | Banco Fibra | Caeté Florestal | Companhia de Navegação Norsul |
| Algar Tech | Banco PAN | CAIXA | Companhia Siderúrgica Nacional (CSN) |
| Algar Telecom | Banco Santander | CANOPÉE | Compass Gás & Energia |
| ALIANSCÉ SONAE | Banco Votorantim S.A. | Carapreta Carnes Nobres | Consórcio Machadinho |
| ALPARGATAS S.A. | BANRISUL | CARBON FREE | Construtora Norberto Odebrecht |
| AMAGGI | BDMG | Carbonext Consultoria Ltda. | Copa Energia |
| Ambev S/A | Biofílica Ambipar Environmental Investments S.A. | Carmeuse Brasil | COPEL |
| Ambiens Consultoria | Biorigin | CARSTE Ciência Ambiental | Copersucar S.A. |
| americanas s.a | Blueshift Brasil | Casa da Moeda do Brasil | CPFL ENERGIA |
| ANBIMA | BNDES | CBMM | CREA-SP |
| Anglo American | Bom futura Agrícola LTDA | CCB Brasil | C-TANK |
| Antilhas Gráfica e Embalagens Ltda. | Bosch | CCR | CTG BRASIL |
| ArcelorMittal Brasil | Box Print | Celeo Redes Brasil | Dasa |
| Arezzo&co | BP BUNGE Bioenergia | CELESC | Dédalo |
| Ascenty | Brado Logística | Celulose Riograndense | Deloitte |
| Asgaard Navegação S.A. | Brasilseg | Centro de Inovação e Tecnologia SENAI FIEMG | Delurb Ambiental |
| Assaí | Braskem | CERAN | DENSO do Brasil LTDA |
| Atlantic Nickel Mineração LTDA | | CerradinhoBio | |

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| | | | |
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| Dexco S.A. | FS | Hospital Israelita Albert Einstein | LOG COMMERCIAL PROPERTIES |
| Dimensional | Fundação FHC | Hospital Moinhos de Vento | Lojas Quero-Quero S.A. |
| Dori Alimentos - UN10 | Fundação Getulio Vargas | Hospital Sírio-Libanês | Lojas Renner |
| Eccaplan | Furnas | HYPERA S.A | Lojas Riachuelo |
| Ecorodovias | Furukawa | Hyundai Motor Brasil | LWART Soluções Ambientais |
| Edenred | Galáxia Marítima | I Care Brasil | Magalu |
| EDP Energias do Brasil S.A. | GALI | IFB Fertilizantes | MAPFRE |
| EIXO SP | GASVERDE | Igaratiba | Marca Ambiental |
| Eldorado Brasil Celulose S/A | Gelnex | Iguá | MASP |
| Elecnor do Brasil | Getnet | INDSH | Mills Estruturas e Serviços de Engenharia S/A |
| Elera Renovaveis | Givaudan | INPASA Agroindustrial | Mineração Taboca S.A. |
| ELETROBRAS | GLOBO | Instituto Unibanco | Mineração Vale Verde |
| EMAE | Gol Linhas Aéreas SA - Grupo GOL | Inter | Minerva Foods |
| EMAP | GPA | InterCement | Mitre Realty |
| Enaex Brasil | Gráfica Gonçalves | Internav | Moove |
| Enauta Energia S.A. | Grendene | Ipiranga | Moto Honda da Amazônia |
| Enercan | Grupo Boticário | ISA CTEEP | Movida Participações S.A. |
| Energisa S/A | Grupo Carrefour Brasil | Itaú | MPD |
| Eneva | Grupo CBO | ITB | MRN |
| Entrevias | Grupo Fleury | JBS S/A | MRS Logística S/A |
| Envision Indústria de Produto Eletrônico LTDA | Grupo Malwee | Karina | MRV |
| ERO Brasil Caraíba | Grupo Neoenergia | KIC - Kaara Incorporações e Construções S/A | Natura Cosméticos |
| Exportadora de Café Guaxupé | Grupo Nexxees | Kinross Brasil Mineração | Navium Engenharia, Navegação e Comércio LTDA |
| EY | Grupo NotreDame Intermédica | Klabin | NIVEA |
| FAU Agricultura e Meio Ambiente | Grupo Polar | KPMG | Norte Energia |
| Fazenda Sertãozinho - Orfeu | Grupo Protege | Leão Alimentos e Bebidas | NovaAgri |
| Finnet | grupo report | Leroy Merlin | Novo Nordisk Produção Farmacêutica do Brasil LTDA. |
| FLEX | HIDROBR Soluções Integradas | LIASA | Nubank |
| Ford | Hidrovias do Brasil | Liberty Seguros | Nude. |
| Foz do Chapecó Energia | HL Soluções Ambientais | Localiza | |
| | Honda Automóveis | | |

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OceanPact Serviços Marítimos S.A.
Ocyan
ODONTOPREV S.A.
Oi
Omega Energia
Organização Bradesco
OZ Minerals Brasil
PagBank PagSeguro
Palmeira Ambiental
Petrobras
Pif Paf Alimentos
Piramidal
Plural
Porto do Açú Operações S.A
Porto Itapoá
PORTO S/A
Posigraf
Positivo Servers & Solutions
PREVI
Privalia
Raízen Energia
RAPS
REDE D'OR SÃO LUIZ
RL Higiene
Rumo S.A.
SAAM Towage Brasil S.A.
Sagres
Samarco
SAMSUNG DA AMAZÔNIA
SANDVIK JUNDIAI
Sanepar

Santa Cruz Comércio e Exportação de Café LTDA
São Martinho S.A.
SEBRAE/SC
SEFAC
Sengés Florestadora
Sete Cachoeiras Estate Coffee
SHOPPING CENTER NORTE
Sicredi - Sistema de Crédito Cooperativo
Silcon Sustech Ecosystem - Silcon Ambiental
SIMPAR
Simpres Comércio Locação e Serviços LTDA
Sinergia Engenharia de Meio Ambiente
SL Administração Participações
SLB do Brasil
SLC Agrícola
Somos - Gestão de Ações Coletivas
SPIC Brasil
SSA
STELLANTIS
Strong Business School
Sustainable Carbon
Suzano
Symrise (Matriz)
Tegma
Telefônica Brasil | Vivo
Ternium Brasil Ltda
TIGRE
TIM S.A.

Toyota do Brasil - Sorocaba
Tribanco
Triunfo Participações e Investimentos - TPI
TROPOC
Tuper S/A
ULTRACARGO
Unidas
Usiminas
Usina Açucareira S. Mamoel S.A.
Valec
Vast Infraestrutura
Via
VIBRA
Vix Logística
Volvo do Brasil
Votorantim Cimentos
WayCarbon
WestRock
Wilson Sons
Zoetis



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| | | | |
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| AES Brasil | Bioflica Investimentos Ambientais S.A. | Centro de Inovação e Tecnologia SENAI FIEMG | Eneva |
| ALBRAS | Biorigin | Companhia Brasileira de Alumínio | Entrevias |
| AMAGGI | Box Print | Companhia Siderúrgica Nacional (CSN) | Exportadora de Café Guaxupé |
| Atlantic Nickel Mineração LTDA | Brado Logística | Companhia de Navegação Norsul | FAU Agricultura e Meio Ambiente |
| AVB | Brasilseg | Compass Gás & Energia | FS |
| Acumuladores Moura S/A | Braskem | Construtora Norberto Odebrecht | Finnet |
| Adata Eletronics Brazil S/A | Bristow | Consórcio Machadinho | Fundação FHC |
| Alcoa | CAIXA | Copagaz | Fundação Getulio Vargas |
| Algar Tech | CBMM | Copersucar S.A. | Furnas |
| Algar Telecom | CCR | Deloitte | Furukawa |
| Anglo American | CELESC | Delurb Ambiental | GPA |
| Antilhas Gráfica e Embalagens Ltda. | Celulose Riograndense | Dexco S.A. | Galáxia Marítima |
| ArcelorMittal Brasil | CERAN | Dimensional | Gelnex |
| Atlas Governance | CESP | EDP Energias do Brasil S.A. | Getnet |
| Azul | CGN Brasil Energia e Participações S.A. | EIXO SP | Givaudan |
| B3 | CIELO | Eldorado Brasil Celulose S/A | Gol Linhas Aéreas SA - Grupo GOL |
| BAESA | CMIN | Enauta Energia S.A. | Grendene |
| BANCO ABC BRASIL | COMBIO Energia | Energisa S/A | Grupo Boticário |
| BANRISUL | COPEL | Envision Indústria de Produto Eletrônico LTDA | Grupo Fleury |
| BDMG | CPFL Energia | EY | Grupo Malwee |
| Bom Fururo Agrícola LTDA | CREA-SP | Ecorodovias | Grupo Neoenergia |
| BR DISTRIBUIDORA | CTG BRASIL | Edenred | Grupo NotreDame Intermédica |
| BRF | Caeté Florestal | Elecnor do Brasil | Grupo Protege |
| Banco BV | Carbonext Consultoria Ltda. | Emibra | Gráfica Gonçalves |
| Banco Fibra | Casa da Moeda do Brasil | Enaex Brasil | HIDROBR Soluções Integradas |
| Banco Santander | Celeo Redes Brasil | Enercan | HYPERA S.A |
| Banco do Brasil | | | Honda Automóveis |
| | | | Hospital Israelita Albert Einstein |

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Hospital Moinhos de Vento
Hospital Sírio-Libanês
Hyundai Motor Brasil
I Care Brasil
IFB Fertilizantes
INDSH
Instituto Unibanco
ISA CTEEP
ITB
Igaratiba
Iguá
Inter
InterCement
Ipiranga
Itaú
JBS S/A
Kinross Brasil Mineração
Klabin
Leroy Merlin
Leão Alimentos e Bebidas
Localiza
Lojas Americanas
Lojas Quero-Quero S.A.
Lojas Renner
Lojas Riachuelo
MAPFRE
MASP
MRN
MRV
Magalu
Minerva Foods

Moto Honda da Amazônia
Movida Participações S.A.
Museu do Amanhã
NIVEA
Natura Cosméticos
Nubank
Nude.
ODONTOPREV S.A.
OZ Minerals Brasil
OceanPact Serviços Marítimos S.A.
Ocyan
Oi
Omega Geração
Organização Bradesco
Porto Seguro S/A
Petrobras
Pif Paf Alimentos
Piramidal
Plural
Porto Itapoá
Posigraf
Privalia
Raízen Energia
Real Transportadora Eireli
Rumo S.A.
São Luiz - Unidade Anália Franco
SIMPAP
SLB DO BRASIL
SLC Agrícola
SSA
STELLANTIS

Sagres
Sanepar
Sicredi - Sistema de Crédito Cooperativo
Silcon Ambiental
Strong Business School
Sustainable Carbon
Suzano
Symrise (Matriz)
TIM S.A.
TRIUNFO - TPI
TROPOC
Tegma
Telefônica Brasil | Vivo
Ternium Brasil Ltda
Usina Açucareira S. Manoel S.A.
Unidas
Usiminas
Via
Volvo do Brasil
Votorantim Cimentos
WayCarbon
WestRock
Wilson Sons



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7. Communication and mobilization

8. Partners and sponsors

9. Team

9. Team

2021-2022

Adriana de Paula Cavalcante Fraga
Ana Carolina Araujo Fernandes
Ana Carolina Pires de Aguiar
Ana Clara Candido Costa
Ana Moraes Coelho
André Pereira de Carvalho
Annelise Vendramini Felsberg
Beatriz Moraes Santos
Bruno Neris Basto
Camila Yamahaki
Carina Sernaglia Gomes
Carolina Derivi Vieira Da Silva
Carolina Palazzini Bastos
Carolina Ribeiro Araujo
Carolina Ximenes de Macedo
Cintia Messias Dall Agnol
Daniel Rondinelli Roquetti
Daniela Gomes Pinto

Daniela Paschoal Sanches
Doraci Cabanilha de Souza
Fernanda Cassab Carreira
Fernanda Pinheiro Da Silva
Gabriela Alem Appugliese
Giselle Pinheiro de Oliveira
Graziela Cristina Rodrigues Puppi
Graziela Donario de Azevedo
Guarany Ipê Do Sol Osório
Guilherme Borba Lefèvre
Guilherme Nunes Pereira
Gustavo Velloso Breviglieri
Haydée Da Cunha Frota
Isabella Cruvinel Santiago
Isabella Fumeiro
Jaqueline de Oliveira e Silva
Jéssica Castro Chryssafidis
Jessica Silva Campanha

José Agnello Alves Dias de Andrade
José Del Ben Neto
Juliana Ferreira Picoli
Karine Sousa Julião
Kena Azevedo Chaves
Léa Lameirinhas Malina
Leticia Ferraro Artuso
Lucas Cesilla de Souza
Luís Pedro Silva Moreira
Maíra Bombachini Silva
Manuela Maluf Santos
Marcela Elena Varconte
Marcos Dal Fabbro
Maria Leticia de Alvarenga Carvalho
Maria Patricia Silva
Mariana Luiza Fiocco Machini
Mariana Xavier Nicolletti
Marina Borges Dos Santos

Marina Kuzuyabu
Mario Monzoni
Marta Russo Blazek
Maurício Jerozolimski
Miria Rodrigues Alvarenga Da Silva
Natalia Lutti Hummel Wicher
Nina de Almeida
Oscar Xavier de Freitas Neto
Rafael Mantarro de Carvalho
Roberta Amaral de Andrade
Roseli Bueno de Andrade
Samir Eid Pessanha
Samir Luna de Almeida
Samuel de Mello Pinto
Tainá Holanda Caldeira Baptista
Taís Faria Brandão De Arteaga
Taís Helena Da Silva Teodoro
Thiago Eugênio Rosan Gerardo



1. Message from the coordination

2. About the Center for Sustainability Studies of FGV

3. FGVces in numbers

4. Impact activities

5. Publications

6. Academic production

7. Communication and mobilization

8. Partners and sponsors

9. Team

General Coordination

Mario Monzoni

Coordination

Ana Moraes Coelho

Annelise Vendramini

Daniela Gomes Pinto

Fernanda Cassab Carreira

Guarany Ipê Do Sol Osório

Executive Secretary

Maurício Jerozolinski

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Marina Kuzuyabu

Oscar Xavier de Freitas Neto

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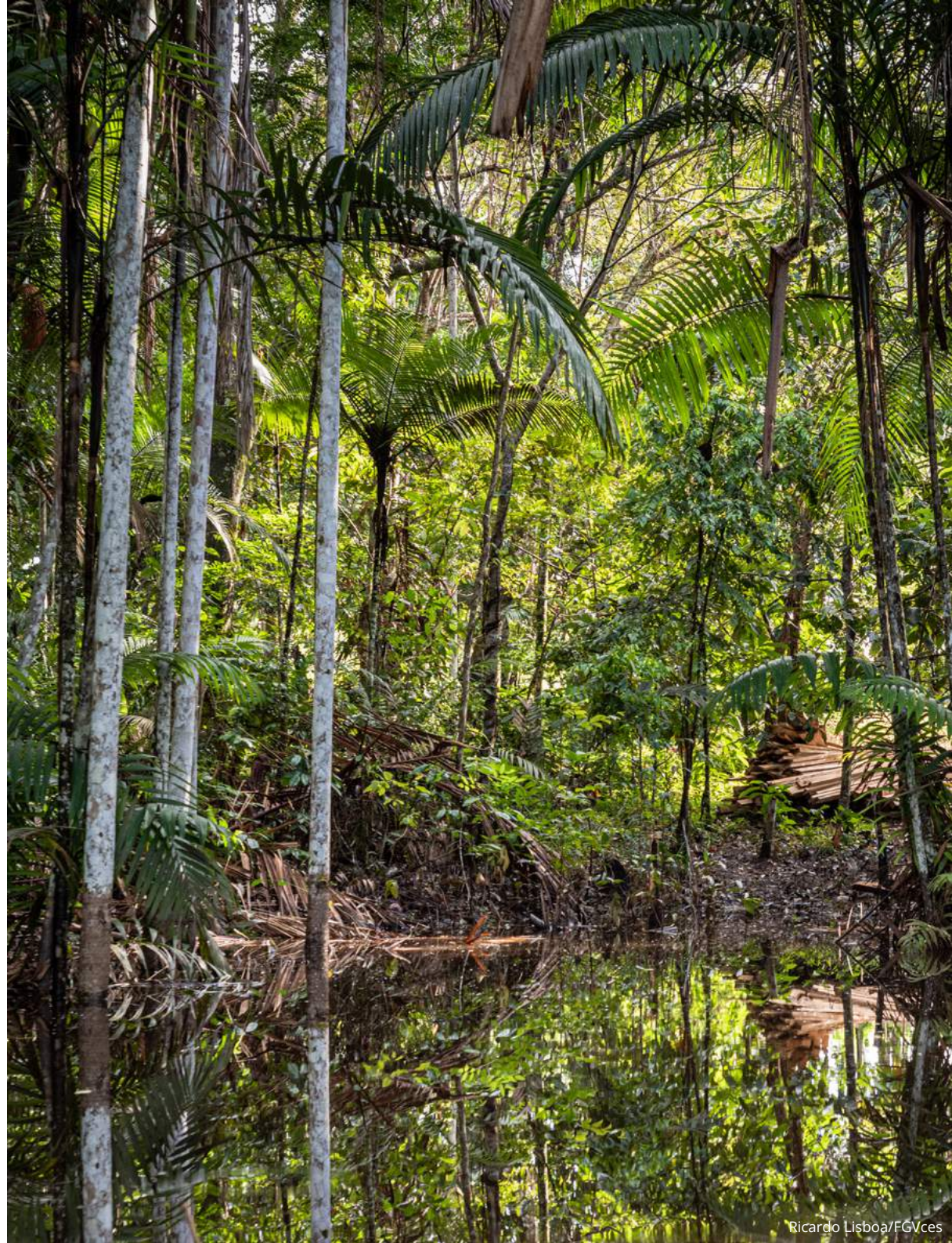
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ACTIVITIES REPORT

2021-2022