



## REPPORT INCT 2012/2023

**“LIFE EXISTS ONLY IN BALANCE”**

Date: 30 de January de 2023

## LETTER FROM THE PRESIDENT

The President of the INCT - Dr. Marcus Andrey Vasconcellos, expresses through this COE, the continuous support to the Global Compact and renewing the continuous commitment of the INCT with the initiative and principles of the Global Compact.

Welcome to the National Institute of Science, Technology and Innovation CO2 Zero, which is an organization that for 10 years has been doing high-level science and collaborating for the sustainable development of Brazil and above all to make it fairer for all Brazilians.

In this decade of INCT's existence, there were many challenges that brought us here and this report aims to show that, even in the face of all adversities, especially as an OSCIP/ICT, with the low government support that is provided for by law for the fulfillment of our purposes of supporting public policies, the lack of legislation and market regulation mechanisms and the various political and economic crises that plague Brazil and the world, especially due to the COVID pandemic that has melted economies all over the planet, and despite everything the INCT remains strong and firm in the purpose and Mission of contributing to sustainable development with a focus on the Triple Bottom Line (Environmental, social and economic).

We are proud to look back and know that we did an ethical job, without succumbing to the corruption that plagues Brazil and we give credit to this achievement due to the ESG Environmental (Environment), Social and Governance (Corporate Governance) practices and the our contemporary Compliance was forged in strong and ethical integrity management. We are thus one of the leading institutions in carbon management in Brazil and in the world.

The history of carbon management in Brazil goes through the INCT when the UN publishes in its first journal "Caderno Pacto Clima" the main methodology of the INCT called "THINK AND COMPENSE", which was launched during the "Paris Agreement" and the government of France invites the president of the INCT to present the methodology in person during the most important climate meeting of all time - COP 21 - France - 2015. Thus, we have already made history.

We will continue our fight to make Brazil and the world a better place to live, focusing on decarbonization and migration to a low carbon economy in order to leave a legacy for future generations to show them whenever possible. change paradigms when you have determination, honesty and courage.

The INCT is an integral part of the UN system - United Nations, as a signatory of the Global Compact, and this report is based on the 2030 Agenda and its 17 Sustainable Development Goals (SDGs), whose goals and objectives focus on changes in a collaborative way. governments, civil society and the private sector.

The INCT presents itself as an institution that has instruments to favor sustainable development, as we are effectively experiencing this concept, and this report is an opportunity to reinforce this and a way for us to position ourselves, including in relation to our own deficiencies, to transparent way, to continue supporting the commitments assumed by the country to the world.

We continue in our dilemma: "life only exists in balance"

**MARCUS ANDREY VASCONCELLOS**  
CEO AND PRESIDENT OF INCT CO2 ZERO





## I. INCT CO<sub>2</sub> ZERO REPORT

### Who We Are:

The National Institute of Science, Technology and Innovation CO<sub>2</sub> Zero (INCT CO<sub>2</sub> Zero), headquartered SHS - Setor de Hotéis Sul - Quadra 06 - Complexo Empresarial Brasil 21 - Bloco A - Sala 501 - Asa Sul - CEP:70316-000 - Brasília DF - Phone: (61) 2107-9404, constituted by General Assembly held on 10 October 2012, registered in the 2nd Office of Legal Entities Registry under No. 000080549, enrolled in the CNPJ under N°. 17.245.548/0001-02 and titled by the Ministry of Justice as OSCIP Public Interest Civil Society Organization on May 16, 2014, being a non-profit organization - registered with the Ministry of Justice under process No. 08071.012094/2014-41.

We are part of SISNAMA - National Environment System, registered with CONAMA - National Environment Council through CNEA/MMA - National Register of Environmental Entities in the area of Environmental Research and Education, according to Ordinance No. 120 published in the Official Gazette on April 25, 2016.

We support the main discussion panels on climate change as the National Policy on Climate Change - PNMC, the Brazilian Panel on Climate Change - PBMC, the Brazilian GHG Protocol program, the United Nations Environment Programme - UNEP, the Intergovernmental Panel on Climate Change - IPCC, the United Nations Framework Convention on Climate Change - UNFCCC.

INCT CO<sub>2</sub> Zero was invited by the Ministry of Environment in 2018 to integrate as an effective member of the National Commission for Reducing Emissions from Deforestation and Forest Degradation - CONAREDD+, with a seat in the Federative Pact Committee/MMA: <http://redd.mma.gov.br/>



## II. Institutional Purpose:

"To promote, support and develop actions in the interest of Brazilian society, through research of scientific nature, innovation and in the Management of GHG - Greenhouse Gases, mitigating the main factors of emissions, developing environmental education, striving for the defense, preservation, conservation, recovery, adaptation and sustainability of the environment, aiming at maintaining the quality of life of living beings".

### Corporate Identity:

#### Mission:

"To promote activities of a scientific, technological and innovation nature as a strategic mechanism to foster economic, social and environmental development, and to act especially in raising the awareness of Brazilian society regarding the necessary adaptation and mitigation of climate change, aiming at the continuity of all forms of life in the Biosphere for the well-being of the present and future generations".

#### Vision:

"By December 2030, be a reference in the implementation in the SDGs - Sustainable Development Goals (Agenda 2030), through scientific research, technology and innovative solutions to contribute to economic, social and environmental development at the national level." (Focus on the Triple Bottom Line or TBL).

#### Values:

Commitment to stakeholders - TBL Entrepreneurship - Freedom to Create - Continuous Development - Ethics and Compliance and Social Responsibility.

#### Quality Policy:

"To seek continuous improvement of all processes of the CO<sub>2</sub> Zero Institute, integrating our stakeholders in the development of actions in mitigation, compensation, adaptation and management of Greenhouse Gases - GHG in compliance with applicable laws, regulations and normative requirements, increasing the awareness of society regarding the preservation of our planet."

### III. ONU SIGNATORY:

**UN Global Compact - United Nations Organization:** INCT C02 Zero is part of the UN system in 2013 and has adopted the Global Compact guidelines. The Global Compact advocates ten universal Principles, derived from the Universal Declaration of Human Rights, the International Labour Organization Declaration on Fundamental Principles and Rights at Work, the Rio Declaration on Environment and Development and the United Nations Convention Against Corruption. The organizations that become part of the Global Compact undertake to follow these principles in their day-to-day operations.



**Pacto Global**  
Rede Brasil

### Action Brazil

### IV. Low Carbon Business in

The INCT C02 Zero is part of the Low Carbon Business in Action Brazil Program of the European Union. An EU-funded Doing-Business platform aimed at developing B2B relations between EU providers of low carbon technologies and companies based in Argentina, Brazil, Chile or Colombia that are seeking sustainable solutions.



### Goals



Promote the sustainable transition of companies to a low carbon and circular economy



Internationalise EU SMEs supporting innovation & sustainability of local counterparts



Support low carbon emission strategies to tackle climate change



Enhance resource efficiency and the circularity of production & consumption models

## V. Environmental, Social, and Governance (ESG)

Since its foundation, the INCT has been adopting integrity management practices and currently ESG (environmental, social and governance) practices are in our DNA, it is part of the organizational culture that we transfer to all our stakeholders. We credit the INCT ESG model for all the achievements we have achieved in these 10 years of existence, and we will continually strengthen this one of the strongest pillars of our organization, and from efficiently compiling ESG data for disclosure reports, benchmarking performance against peers, to optimizing processes and operations that directly contribute to INCT results are properly implemented.

### CORPORATE GOVERNANCE OF THE INCT:

The Structure of the Corporate Management System of the CO2 Zero Institute is organized through Business Units and Operational Units that are supported by Corporate Governance through best market practices mechanism, as shown in the chart below:



LEGENDAS	
Estrutura Interna	Melhores Práticas de Mercado
<p><b>UN</b> - Unidade de Negócios;  <b>Pres</b> - Presidência e Vice-Presidência;  <b>Secret. Exec.</b> - Secretaria Executiva;  <b>Sust</b> - Diretoria de Meio Ambiente;  <b>P&amp;Di</b> - Coordenação Pesquisa, Desenvolvimento e Inovação;  <b>Reg. Tec.</b> - Regionais Técnicas;  <b>G Ep</b> - Diretoria de Gestão Empresarial;  <b>Adm</b> - Diretoria de Gestão Administrativa;  <b>RH</b> - Coordenação de Gestão de Pessoas - Recursos Humanos;  <b>Finc. Tesour.</b> - Diretoria Financeira e Tesouraria;  <b>Jurid.</b> - Diretoria Jurídica;  <b>N Neg</b> - Diretoria de Novos Negócios;  <b>Oper.</b> - Diretoria de Operações;  <b>Market</b> - Diretoria de Marketing;  <b>Criação</b> - Diretoria de Criação e Mídia.</p>	<p><b>PDCA</b> - (Planejar - Executar - Verificar - Agir do Inglês: PLAN - DO - CHECK - ACT);  <b>BPM</b> - (Gerenciamento de Processos de Negócios do Inglês: Business Process Management);  <b>SWOT ou Análise FOFA ou FFOA</b> - (Forças, Fraquezas, oportunidades e Ameaças);  <b>SMART</b> - Specific (Específica), Mensurable (Mensurável), Attainable (Alcançável), Relevant (Relevante) e Time- Based (Temporal);  <b>FCS</b> - Fatores Críticos de Sucesso;  <b>BSC</b> - Balanced Scorecard;  <b>CANVAS</b> - Business Model Canvas é uma ferramenta de gerenciamento estratégico;  <b>5W2H</b> - What - O que será feito (etapas), Why - Por que será feito (justificativa), Where - Onde será feito (local), When - Quando será feito (tempo), Who - Por quem será feito (responsabilidade), How - Como será feito, (método), How much - Quanto custará fazer (custo).</p>

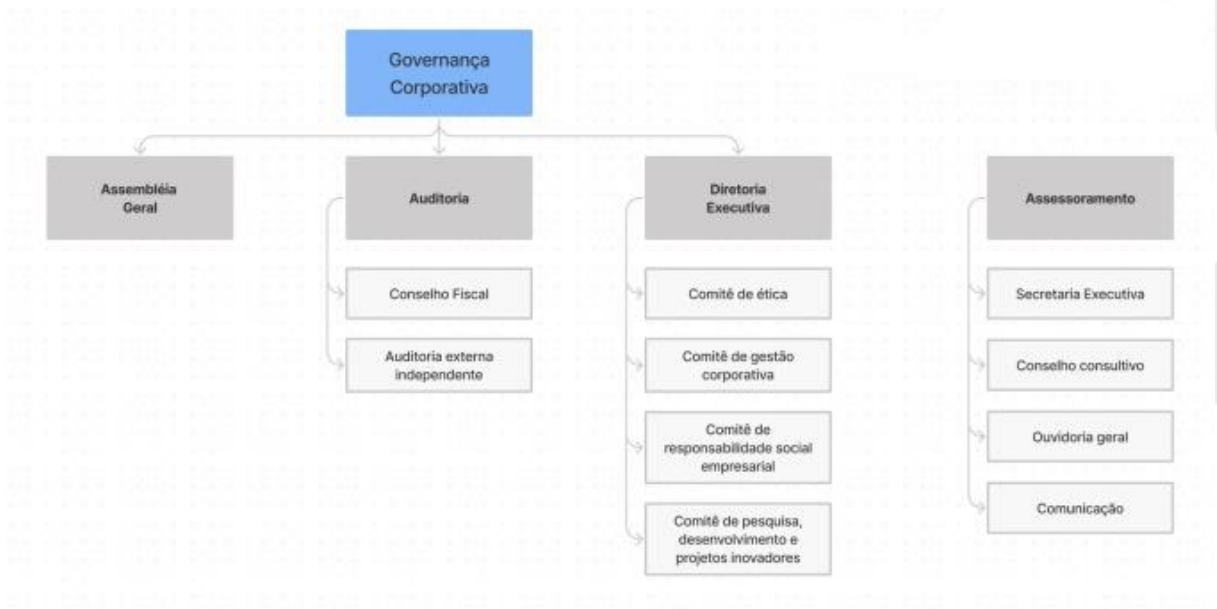
## CORPORATE GOVERNANCE SYSTEM APPROACH:

We have adopted the Outsider System corporate governance model (investors pulverized and typically outside the day-to-day command of the INCT's operations). This model is related to the management of the INCT and its relationship with stakeholders: partners, customers, employees, suppliers, community, investors, among others. Its essence is based on conflict resolution mechanisms, arising from informational asymmetry and conflict of interests among the parties involved.

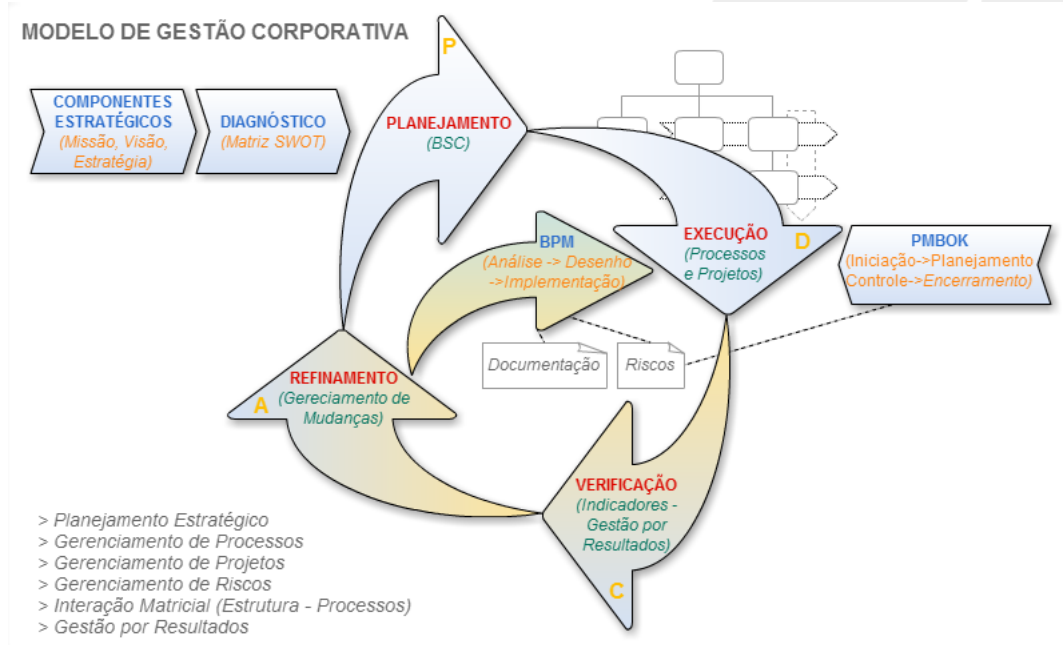
The importance of corporate governance does not focus only on disciplining the relations among the various areas of the INCT or with external parties. The implementation of good corporate governance practices enables a more professionalized and transparent management, reducing problems arising from conflicts of interest between the parties, seeking to maximize the creation of value for the INCT.

### A. MAP OF CORPORATE GOVERNANCE STRUCTURE:

The INCT's corporate governance structure is composed of the General Assembly, Executive Board and Fiscal Council, and is supported by advisory bodies and committees for matters of strategic nature, as represented in the figure below:



## B. INCT CORPORATE MANAGEMENT





## C. CORPORATE MANAGEMENT AND GOVERNANCE SYSTEM MATRIX:

### Leadership

- **Management System Committee**
- **Corporate Governance System**
- **NBR ISO 9001 - Quality Management System (under implementation)**
- **Balanced Scorecard (BSC)**
- **SWOT Matrix**
- **Strategic Planning - Business Plan**
- **BPM - Business Process Management**
- **Deming Cycle or PDCA Cycle**

### Clients

- **Client Management System - Podio Platform**
- **Complaint Channel/ ombudsman online**

### Society

- **Code of Ethics - Ethics Committee**
- **Management information system Podio**
- **Internal and external benchmarking**
- **Best Practices**
- **Research and Development Committee**
- **Technology and Innovation Management**

### People

- **SA 8000:2001 - Social Accountability (future implementation)**
- **360° Performance Assessment (future implementation)**
- **People Management System**
- **Performance Management System**

### Processes

- **Management by Process with focus on Client Observations**
- **Some models are under implementation phase**

## VI. PRACTICAL ACTIONS FOR ENGAGEMENT WITH THE 2030 AGENDA - SDGs SUSTAINABLE DEVELOPMENT GOALS



Since 2012, INCT has been collaborating with Brazilian society in the implementation of the 2030 Agenda - SDGs – Sustainable Development Goals, focusing on migration to a low-carbon economy and effectively contributing to sustainable economic development to leave a positive legacy for future generations.

We work in a developing country that has the dimensions of a continent, with municipalities/districts with low human development indices (HDI) and the lack of action and will to make the public power that prefers inertia to the country's real progress and the INCT as an NGO - Non-Governmental Organization/OSCIP - Civil Society Organization of Public Interest and ICT - Institute of Science, Technology and Innovation has the mission of collaborating with the change of this country towards a low carbon economy and sustainable economic development.

In fulfilling its Mission, the INCT currently works with projects in renewable energy, energy efficiency, biogas, biomass and biomethane, solid waste management, agroforestry and the value chain, especially in the Amazon region, especially to collaborate with traditional communities such as Ribeirinhos, Fishermen, Indigenous and Quilombolas Cooperatives.

All international collaboration from countries and financial funds are important to collaborate with the INCT. We are aware that we will not change Brazil overnight because it has been years of negligence and corruption and we will not be able to do it alone, so we ask for collaboration and investments from international organizations to fulfill our Mission.

It's the sum of small efforts that can make a big difference! Welcome, everyone!

## VII. **SUCCESS CASES OF THE INCT:**

### A. **IV EMDS - MEETING OF MUNICIPALITIES WITH SUSTAINABLE DEVELOPMENT:**

The IV EMDS - Meeting of Municipalities for Sustainable Development was held by the National Front of Mayors (FNP), in partnership with the Brazilian Micro and Small Business Support Service (SEBRAE), during April 24-28, 2017, at the Mané Garrincha National Stadium in Brasília, Federal District.

The event brought together mayors from all over the country, as well as ministers, parliamentarians, municipal and state secretaries, researchers, students and members of foreign delegations, reaching an audience of over 8,700 participants from 26 states and the Federal District during the five-day programme. PARTNERS IV EMDS (ODS-17):

The EMDS - Meeting of Municipalities with Sustainable Development is the largest sustainability meeting in the country and is organized by the National Front of Mayors (FNP) in partnership with the Brazilian Micro and Small Business Support Service (SEBRAE) and the FNP. The INCT was hired to assist the FNP in implementing the SGGEE - Greenhouse Gas Management System, which generated the ACT Attestation of Technical Capacity for the efficiency and quality of services provided by the INCT.

"THINK AND COMPENSATE" the INCT methodology of Notorious Expertise and Singular Nature, internationally renowned, delivers sustainable solutions in GHG management Turnkey and consists of analysis and monitoring of GHG emissions from the conception phase of the event and the entire organization process (pre-event), structuring of teams for collection and compilation of data during the event and undoing or dismantling of the event until the final process of adaptation plan/mitigation and compensation of emissions from all phases that a large event like this produces.



**EVENTO**  
**CARBONO**  
**ZERO**

### i) **PLAN FOR ADAPTATION/MITIGATION OF GHG EMISSIONS OF THE IV EMDS:**

The INCT developed for the IV EMDS Adaptation and Mitigation Plans for the impact that resulted in positive initiatives in the following segments:

### ii) **ENERGY MATRIX:**

- Replacement of diesel combustion generators by purchasing electricity from the utility in the National Interconnected System (SIN);
- If there is no option, choice of generators that support the use of S10 diesel oil or replacement of S10 by 100% biodiesel oil in their operation;
- Prioritise the use of energy saving light bulbs, such as LED. b. Fossil fuels;
- Replacement of diesel with biodiesel in trucks used for the assembly and dismantling of the event to be agreed with suppliers incorporating this policy in the process of purchasing products and services of FNP events;
- Propose to partner UBER the implementation of the UBER POOL mode for future events in Brasilia in order to reduce GHG emissions per participant;
- Intensify dissemination of the event's mobility plan. Only 1.5% of the sample of the public made by INCT reported having used the transportation made available by the organizer (electric bus).

### iii) **OFFSETTING OF GHG EMISSIONS IN THE IV EMDS:**

The offsetting of GHG emissions of the IV EMDS effectively contributes to the integration of the Carbon Cycle with a focus on the TBL - Triple Bottom Line (environmental, social and the economic), when its legacy reached the social through vulnerable communities, And this is what EMDS provided when it performed the compensation in Settlement Areas in the Federal District aquifer recharge region the Association of Rural Producers of Alto São Bartolomeu - APROSPERA, to strengthen small farmers who develop SAFs - Agroforestry Systems.

In this way the INCT closes the Carbon Cycle in addition to collaborating with the preservation and conservation of the environment, above all it collaborates with communities of small farmers who produce organic food and thus everyone wins.

**iv) RECORDS**


Another important legacy was the awareness of the FNP managers - National Front of Mayors - that effectively participated in the planting of native and fruitful seedlings in SAF's - Agroforestry Systems in properties of small rural producers of APROSPERA as shown in the following photos:



**Presentation of the Certificate and Label "EVENTO CARBONO ZERO" to the Executive Secretary of the FNP - Mr. Gilberto Perre.**



v) **ACT - TECHNICAL CAPACITY CERTIFICATE ISSUED BY FNP TO INCT:**




**ATESTADO DE CAPACIDADE TÉCNICA**

Atestamos, para fins de capacitação técnica, que o **Instituto Nacional de Ciência, Tecnologia e Inovação CO<sub>2</sub> Zero**, inscrita no CNPJ sob o nº 17.245.548/0001-02, estabelecida no SHS – Setor Hoteleiro Sul – Quadra 06 – Complexo Empresarial Brasil 21 – Bloco A – Sala 501 – Brasília - DF, forneceu satisfatoriamente, à **FNP – Frente Nacional dos Prefeitos**, o estudo científico constante da relação abaixo, dentro dos prazos contratado:

- Inventário de GEE – Gases de Efeito Estufa em conformidade com as metodologias GHG Protocolo do IPCC – Painel Intergovernamental sobre Mudanças Climáticas da ONU – Organização as Nações Unidas e normatizada por meio da ABNT NBR ISO 14064 Parte 1: Especificação e orientação a organizações para quantificação e elaboração de relatórios de emissões e remoções de gases de efeito estufa.

Registramos, ainda, que a empresa cumpriu fielmente com suas obrigações, nada constando que a desabone técnica e comercialmente, até a presente data. Os trabalhos foram coordenados pelo Auditor e Gestor em GEE – Gases de Efeito Estufa, Sr. Marcus Andrey Vasconcellos.

Brasília-DF, 10 de outubro de 2019.



**GILBERTO PERRE**  
Secretário Executivo da FNP

Venâncio Shopping - Setor Comercial Sul, Quadra 08, Bloco B50, Sala 827, Asa Sul, Brasília/DF, Cep: 70.333-900  
Fone (61) 3044-9800 - www.fnp.org.br - e-mail: secretaria@fnp.org.br

## B. OAB - PI: "FORUM ON WATER RESOURCES OF THE PARNAÍBA RIVER BASIN

The realization of the Forum on Water Resources of the Parnaíba River Basin was idealized by the INCT and the OAB-PI due to the urgent need of structuring and formalization of the Parnaíba Basin Committee and debates on the theme of Planning Units, Management of Water Resources and integration of the three states that compose the Parnaíba basin: Piauí, Ceará and Maranhão.

The INCT carried out the GHG - Greenhouse Gases inventory of the event and the compensation plan that was implemented through actions for the recovery of springs and riparian forests, reforestation and social awareness with the mobilization of schools and public power.

During the event, the Letter of Intent was formalized with a plan of goals to be achieved in the short, medium and long term, by the three spheres of government (municipal, state and federal).

The Forum also discussed public policies aimed at mitigating the serious effects of climate change that have so devastated the municipalities that make up the Parnaíba Basin.



The Forum on Water Resources of the Parnaíba River Basin counted on the participation of the civil society, universities, public authorities, industries and companies in the debate on the planning of water resources for the Parnaíba basin. On the occasion, actions that will contribute to interventions in the rational use and conservation of water resources were debated, as well as the analysis of the current situation, the establishment of alternative scenarios and proposals for programmes and solutions in environmental projects focused on this area and especially on the formalization of the Parnaíba River Basin Committee.

The INCT implemented the SGGEE - Greenhouse Gas Management System both in the event of the Forum on Water Resources of the Parnaíba River Basin and in the corporate environment of the OAB-PI which issued ACT - Attestation of Technical Capacity for the efficiency and quality of services provided by the INCT.

**vi) TECHNICAL CAPACITY CERTIFICATE ISSUED BY OAB-PI TO INCT:**




Instituto Brasileiro de Pesquisa e Gestão de Carbono - CO2 Zero

### ATESTADO DE CAPACIDADE TÉCNICA

Atestamos, para fins de capacitação técnica, que o Instituto Brasileiro de Pesquisa e Gestão de Carbono – CO2 Zero, inscrita no CNPJ sob o nº 17.245.548/0001-02, estabelecida na av. W3 Sul – Quadra 502 – Bloco C – Loja 37 - CEP: 70330-530 - Brasília – DF, forneceu satisfatoriamente, à Ordem dos Advogados do Brasil Sucursal Piauí, o serviço relacionado abaixo, dentro do prazo contratado:

- Inventário de GEE – Gases de Efeito Estufa em conformidade com as metodologias GHG Protocol do IPCC – Painel Intergovernamental sobre Mudanças Climáticas da ONU – Organização as Nações Unidas e normatizada através da ISO 14064-1

Registramos, ainda, que a empresa cumpriu fielmente com suas obrigações, nada constando que a desabone técnica e comercialmente, até a presente data. Os trabalhos foram coordenados pelo Auditor Líder Marcus Andrey Vasconcellos e pela Eng<sup>a</sup> Valéria Mendonça Gomes, ambos especialistas em gestão de GEE – Gases de Efeito Estufa.

Teresina-PI, 04 de agosto de 2015



**Willian Guimarães Santos de Carvalho**  
Presidente da OAB-PI



OFÍCIO DE NOTAS  
Sala de Funcionário e Autenticidade  
Rua do Comércio, 1233 - Centro - Teresina - PI  
Nº ANG 022924  
Série 088



TERESINA CARTÓRIO 3º OFÍCIO DE NOTAS  
TITULAR - ANATÁLIA GONÇALVES DE SAMPAIO PEREIRA  
RUA LIZANDRO NOGUEIRA, 1233 CENTRO - CEP. 64030-200 - TERESINA-PI  
Fone: (0xx86) 3221-7866 - E-mail: atendimento@cartoriosampaio.com.br

RECONHECIDO POR SEMELHANÇA A ASSINATURA DE WILLIAN GUIMARÃES SANTOS DE CARVALHO, QUE ASSINA POR ORDEM DOS ADVOGADOS DO BRASIL - SECCAO PIAUI. DOU FE. EM TEST. DA VERDADE. TERESINA-PI, 07/08/2015.

JUDITE DE VASCONCELOS - Escrevente Autorizada  
Emol.: 3,18 Id.: 0,32 Selc.: 0,10 Total: 3,60 (58) 56/10483207082015/169

Tabellã  Escrevente autorizado



Cartório Themiádocos Sampaio  
3º Ofício de Notas  
Juízo de Causa Carilagos  
Escrevente Autorizada  
Teresina-PI

**SCRS 502 Bloco C - Loja 37 - Asa Sul - CEP 70330-530 - Brasília - DF**  
Telefone: (61) 3221-1039



vii) **RECORDS**



### C. TERESINA CITY HALL: "CURSO DE TERESINA IN THE CARBON FOOTPRINT"

The Corso of Teresina is one of the most traditional carnival events of Piauí, and is considered the largest parade of floats in the world registered by the Guinness Book of Records and moves more than 400,000 families of the State of Piauí and the Northeast region.

The parade has origins dating back to 1940, with the original name "Corso do Zé Pereira", and has gained popularity in recent years. It is a completely free event for everyone to attend and is currently an event that has approximately 500,000 participants.

In the years 2014 to 2016, adopting sustainability measures, Teresina City Hall, through SEMAM - Municipal Secretariat of Environment and Water Resources, took the initiative to start the implementation of the Greenhouse Gas Management System - SGGEE, through the project "Corso in Carbon Footprint" in partnership with National Institute of Science, Technology and Innovation (INCT CO2 Zero). PARTNERS (ODS-17):

By becoming aware of the GHG emissions - Greenhouse Gases through the carbon study that the INCT CO2 Zero developed, the Municipality of Teresina gave a major step forward to worry about the impacts that an event of such magnitude has on the environment, taking the initiative to join the GHG management program - "Think and Pay", which through the compensation plan of the Corso emissions the city government neutralized the impacts of the event.

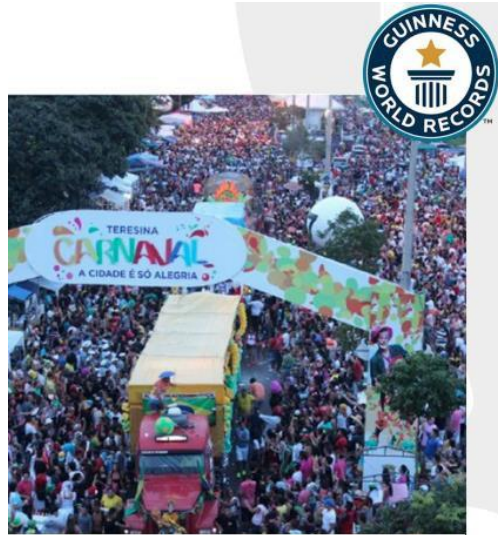
The mobile combustion from the vehicles (parade trucks) is the most targeted area of emission in the study and all vehicles had the year, model and size registered for calculation of emissions.

The regulation of the trucks was measured through the partnership between INCT and SEST/SENAT, and 17% of the checked vehicles were disapproved, that is, the greenhouse gas emissions were above the values established for that vehicle model. The approved vehicles received a Green Educational Seal of the INCT CO2 Zero, aiming to highlight the vehicles that were maintained up to date and within the established standards.



Prefeitura de  
**Teresina**

**A. RECORDS**



O APAIXONANTE CORSO DE TERESINA-PI O MAIOR DESFILE DE CAMINHÕES DO PLANETA

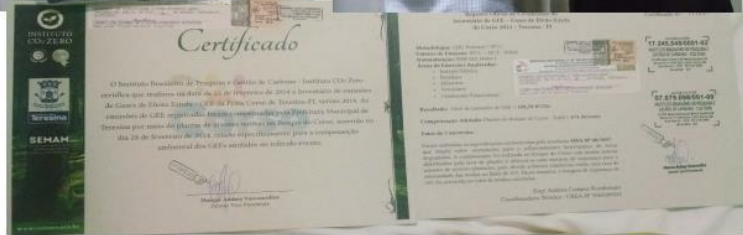


Parceria INCT x SEST/SENAT



Saudoso Prefeito Firmino Filho que tinha um grande apreço pelo trabalho do INCT, o Secretário do Meio Ambiente Dr. Cleto Baratta e o Presidente do INCT Marcus Andrey em levantamento de pesquisa de GEE.

**B. RECORDS**



Entrega do CERTIFICADO "EVENTO CARBONO ZERO" ao Saudoso Prefeito de Teresina o Engº Firmino Filho pelo presidente do INCT Instituto Nacional de Ciência, Tecnologia e Inovação Sr. Marcus Andrey



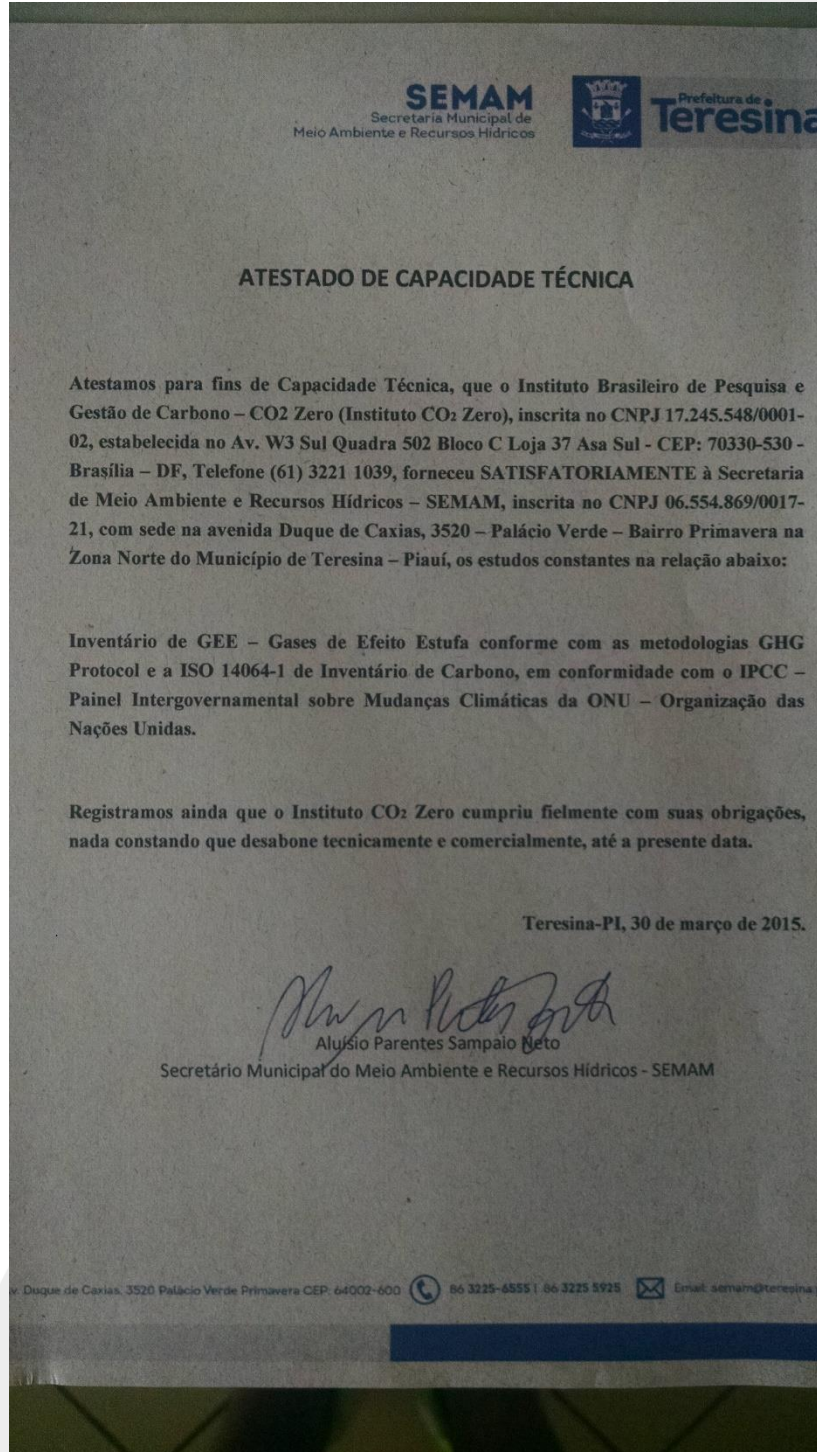
Saudoso Prefeito Firmino Filho realizando a compensação das emissões de GEE do Corso junto com os alunos de escola municipal do ensino fundamental de Teresina-PI.



Área de compensação ambiental do Bosque do Corso



**I. CERTIFICATE OF TECHNICAL CAPACITY INVENTORY OF GEE - TERESINA CITY HALL - PI**



#### D. SEBRAE - DF:

Sustainability Management and Greenhouse Gas Emissions of the Entrepreneur Fair With the theme "Quality of life", the 23rd Entrepreneur Fair 2015, held by Sebrae in DF, aimed to foster competitiveness and sustainability in an environment conducive to the generation of business, information and knowledge, the exchange of experiences and the culture of entrepreneurship. It is one of the most important events promoted by Sebrae throughout the country.

With the slogan "Entrepreneurship is good", the Fair has as its target public small business entrepreneurs (micro and small companies, individual micro-entrepreneurs and family farmers), besides potential and potential entrepreneurs.

Thus, the 23rd Entrepreneur Fair brought together 14,516 visitors, in addition to exhibitors, suppliers, partners and sponsors, all focused on opportunities for improvements in already established businesses and ideas for new businesses timely and necessary to the productive chain of DF and the country.



The preparation of the GHG Inventory - Greenhouse Gases of the 23rd SEBRAE-DF Entrepreneur Fair was an important step for the SEBRAE-DF could contribute to combat climate change, critical phenomenon that afflicts humanity and is undoubtedly the biggest challenge of this century and that can determine the continuity of life on this planet.

By knowing the profile of emissions, from the diagnosis, guaranteed by the Zero Carbon Event Program of the INCT (Management of GHG - Greenhouse Gases), it was possible to establish strategies, plans and targets for reduction and management of GHG emissions, engaging in the solution of this huge challenge to global sustainability.

The realization of the GHG Inventory also allowed SEBRAE-DF to visualize opportunities to plan processes that ensured economic, energy and operational efficiency of the event Entrepreneur Fair.

Besides the GHG Management, the INCT also implemented in the Entrepreneur Fair the Event Sustainability Plan - PGRS - Solid Waste Management Plan and Environmental Education.

The methodology of the Zero Carbon Event Program is totally dynamic and automated and all the research is paperless - Zero Paper.

## I. **TURNKEY ADVISORY SERVICES:**

The INCT provides Turnkey Advisory on SGGEE - Greenhouse Gas Management System which consists of analysis and monitoring of GHG emissions from the event conception phase and the entire organization process (pre-event), structuring of the teams for collection and compilation of data during the event and undoing or dismantling of the event until the final process of Plan for Adaptation / Mitigation, Sustainability Plan, PGRS - Solid Waste Management Plan and Plan for Compensation of emissions from all phases that a medium and large event produces.

### **INVENTORY OF GHG EMISSIONS OF THE SEBRAE-DF ENTREPRENEUR FAIR:**

The inventory that the INCT developed for the SEBRAEDF Entrepreneur Fair, adopted the GHG Protocol method which is a standard for quantification of emissions of the IPCC - Intergovernmental Panel on Climate Change of the UN and the standard ABNT NBR ISO 14.064 - Part I: Specification and guidance to organizations for quantification and reporting of emissions and removals of greenhouse gases. The Brazilian GHG Protocol Program is the main GHG emissions reporting standard in Brazil and its Public Registry database has over 1,100 inventories that are publicly available through the website:

<https://www.ghgprotocolbrasil.com.br/inventarios?locale=pt-br>

The Greenhouse Gas (GHG) Emissions Inventory is the metric that serves as the basis for a GHG emissions management process. The objective of the whole process goes beyond measuring emissions. We believe that the great legacy of the implementation of the Greenhouse Gas Management System (SGGEE) is in the awareness of the carbon footprint for large audiences attending major events and, of course, the learning that remains for the internal team of the institution and, more than that, the adaptation and mitigation for the next editions and the results will be reflected in the gradual reduction of emissions reported and in the inventory indicators of the next events and, best of all, the compensation that the INCT develops focusing on the TBL - Triple Bottom Line (Environmental, social and economic) always benefits a vulnerable community in the region where the event is held.

## II. RECORDS



Feira do Empreendedor SEBRAE/DF: O Instituto CO2 Zero realizou o Inventário das Emissões de Gases de Efeito Estufa (GEE) da Feira do Empreendedor SEBRAE/DF. Com o tema "Qualidade de vida", a 23ª Feira do Empreendedor realizada pelo Sebrae DF reuniu 14.516 visitantes, além de expositores, fornecedores, parceiros e patrocinadores. A Feira emitiu aproximadamente 98 tCO2 (toneladas de CO2 equivalentes) e fará a compensação por meio de plantio de 510 árvores do Cerrado.




Equipe do SGGEE do INCT







### III. CERTIFICATE OF TECHNICAL CAPACITY INVENTORY OF GEE - SEBRAE:



*Serviço de Apoio às  
Micro e Pequenas Empresas  
no Distrito Federal*

**ATESTADO DE CAPACIDADE TÉCNICA**

**AC190159**

Brasília, 11 de outubro de 2019.

**O SERVIÇO DE APOIO ÀS MICRO E PEQUENAS EMPRESAS DO DISTRITO FEDERAL - SEBRAE/DF**, situado no SIA Trecho 03, Lote 1580, inscrito no CNPJ sob o nº 00.438.200/0001-20, atesta para os devidos fins, que a empresa **INSTITUTO NACIONAL DE CIÊNCIA, TECNOLOGIA E INOVAÇÃO CO2 ZERO**, estabelecida no Endereço: Q CRS 502 BLOCO C, S/N, LOJA 37, Asa Sul, Brasília - DF CEP: 70.330-530, inscrita no CNPJ sob nº 17.245.548/0001-02, prestou **Serviços Técnicos Especializados**, conforme abaixo:


**Código da Contratação:** CD007931

**Objeto da Contratação:** Contratação para Elaboração do "Inventário de Emissões de Gases de Efeito Estufa - GEE da Feira do Empreendedor 2015".

**Período de Execução:** 26/08/2015 a 30/08/2015

**Horário de início e término:** 10h às 22h

Atestamos assim, que a referida empresa cumpriu pontualmente com as obrigações assumidas no tocante aos serviços contratados e produtos entregues, nada tendo que a desabone até a presente data.



Fernando Dias Tostes Filho  
Gerente - GEAF

Serviço de Apoio às Micro e Pequenas Empresas no Distrito Federal  
SIA Trecho 03 Lote 1.580 - Brasília/DF  
CEP 71.200-030  
0800 570 0600 - www.df.sebrae.com.br

## E. "THE FLIGHT OF THE ARAGUARI":

Since January 2017 the INCT has been working with traditional communities in the Amazon region in the State of Amapá, which in addition to entering into ACT - Technical Cooperation Agreement with several fishing cooperatives with the support of the Amapá Public Ministry, we also signed an ACT with ASSOCIAÇÃO DOS MORADORES PRODUTORES/RIBEIRINHOS DAS COMMUNITIES DO ARAGUARI - ASMPRCA -AP and elaborated the project "O VOO DO ARAGUARI" (in search of partners for implementation) focused on the TBL - Triple Bottom Line (sustainability tripod = environmental, social/cultural and economic) that will strengthen ASMPRCA in the creation of new productive value chains, with immediate generation of employment and income.

ASMPRCA is located in the municipality of Ferreira Gomes State of Amapá, on the banks of the Araguari River and is home to approximately 500 families, about 3,500 people. The community's traditional source of subsistence was fishing and this was strongly affected by the installation of Hydroelectric Power Plants on the Araguari River, because when the floodgates are opened, fish die due to the high oxygenation and change in water temperature.

In addition to the negative social impact that has affected the livelihood of the community, since the installation of the plant in the region, the water has become contaminated and diseases related to unsafe water appeared immediately and the community always suffers from the bad smell, muddy water, consequently diarrhea, large stomachs and stomach pains are results of not having potable water and sewage treatment.



Other gigantic water impacts of this enterprise are in relation to the natural phenomenon known worldwide as "POROROCA", which with the installation of the plant also ceased and today the phenomenon no longer exists, consequently tourism which was also a source of income due to POROROCA has gone away.

"THE FLIGHT OF THE ARAGUARI" aims to mitigate impacts and create new productive chains to provide new livelihoods which involves: Melipoliculture, Apiculture, Fish farming, Carciniculture, Regional Cuisine, Handicrafts, Birdwatching, Sport Fishing, Nature-based Hospitality, Tourism Tours through the Forest and Rivers of the Amazon, among other chains that will provide the Ribeirinhos with the rescue of dignity and sources of income and job generation.

All the SDGs cited above are implicit in the project "THE FLIGHT OF THE ARAGUARI", what we are seeking at this moment are the partnerships to execute the project with maximum urgency and we would very much like to count on the support of the Embassy of the Netherlands that can help the families of ASMPRCA who are suffering with everything that has been happening and without any real support from the public authorities.

The project developed by the INCT is also relevant from the point of view of its adherence to the Public Policies now instituted and especially the governance model proposed here aims to accelerate the organizational structuring of ASMPRCA.

Therefore, the project "THE FLIGHT OF THE ARAGUARI" with a focus on SDG 17, has the mission to integrate the various public agencies, bodies such as SEMA-AP, CERH- AP, IBAMA, FUNAI, ICMBio, MP-AP, MPF, EMBRAPA, SEBRAE, FUNASA, among other entities and the Civil Society through the Program of Social and Institutional Mobilization of the INCT, with the effective participation of ASMPRCA, to collaborate above all, with the constant improvement of the HDI - Human Development Index of the region where the Association is located.



## F. APROSPERA

The INCT, in a **TECHNICAL COOPERATION AGREEMENT** with the **ASSOCIAÇÃO DOS PRODUTORES AGROECOLÓGICO DO ALTO SÃO BARTOLOMEU - APROSPERA**, is committed to actions that promote the strengthening of sustainable agroecological rural activities, recovery of degraded areas, recovery of springs and riparian forests, in order to conserve and recover springs, increase water security, foster the implementation of renewable energies, social technologies, solidarity economy, environmental education and empowerment of the communities in the region by means of instruments and methodologies aiming at the implementation of the "Think and Compensate Project" which focuses on SAFs - Agroforestry Systems.

All carbon offsets from projects developed in central Brazil by the INCT are applied in partnership with APROSPERA in SAFs - Agroforestry Systems.



## VIII. ONGOING GUIDELINES: A. STRATEGIC PLANNING:

Preparation of the strategic planning 2022/2030:

Presentation of the list of priorities and respective execution times and monitoring (via Kanban) of the following activities (Backlog):

- Improve internal communication;
- Review and map all INCT processes;
- Define the Marketing Plan, including more actions in social media;
- Definition of some specialists to work at the INCT
- Necessary segregation of activities and an organizational chart in the INCT's activities
- Develop the target audience of the INCT;
- Create short term revenue mechanisms for the INCT;
- Develop partnerships with the private sector;
- Acquisition or concession of headquarters for the INCT;
- Definition of the respective Canvas of the INCT products;
- Definition of the 5W2H responsibility matrix Tools;
- BCG Matrix Analysis
- Porter's 5 Forces Analysis;
- INCT Canvas Analysis;
- Porter's Value Chain Analysis;
- BSC Analysis (already defined to be carried out after finalization and validation in the Strategic Planning).

### A. CAPACILITATION:

Throughout 2020 training for associates was intensified, aiming at a growth in quality indicators and an optimization in the management of processes.

### B. PROJECT MONITORING:

Understanding the importance and responsibility of its work, the INCT systematically invests in trained staff, with the technical and administrative management body constantly present in the management units always seeking new evolutionary paths for the continuous improvement of management.

The INCT also pursues the improvement of productivity and controls in management, worth highlighting the continuous evolution of the management system "Conta Azul", especially acquired for this project, which incorporated throughout 2020, where all the information necessary for the preparation of management reports is stored and generated.

## C. OUTLOOK FOR 2021:

- Staff Training;
- Professional Management;
- Quality Indicators Growth;
- Optimization of Process Management.

## D. INSTITUTIONAL:

The INCT CO2 Zero integrates the National Environment System - SISNAMA / National Environment Council - CONAMA, with registration in CNEA - National Register of Environmental Entities as an entity of Education and Research as per Ordinance nº 120 of April 25, 2016.

Development of projects to strengthen the fishing production chain in the State of Amapá in the Amazon Region that belongs to the Legal Amazon and the following Sustainable Development Goals were implemented: SDG 1 - Poverty Eradication / SDG 2 - Hunger Eradication / SDG 3 - Health / SDG 5 - Gender Equality / SDG 8 - Decent Work / SDG 10 - Reduction of Inequalities and SDG 17 - Partnerships.

Establishment of the following Technical Cooperation Agreements (SDG 17 - Partnerships) in the field of research and environmental education (SDG 4 - Quality Education):

- Amapá State University - UEAP;
- SEBRAE - AP;
- Amapá Economic Development Agency;
- EMBRAPA - Federal District and Amapá;
- Amapá State Federation of Agriculture and Livestock;
- Amapá State Environment Secretariat;
- FNP - National Front of Mayors;
- Water, Energy and Environmental Sanitation Regulatory Agency of the Federal District (ADASA);
- APROSPERA - Alto São Bartolomeu Rural Producers' Association;
- Amapá State Prosecutor's Office.

## E. CORPORATE GOVERNANCE AND COMPLIANCE:

INCT CO<sub>2</sub> Zero has incorporated the Global Compact principles into internal governance operations through the creation of the Ethics and Social Responsibility Committee and we have incorporated the following actions:

- Homologation of the Code of Ethics and Staff adherence through a term of support and commitment;
- Training and awareness program for staff and all stakeholders in relation to the Code of Ethics that incorporates the Global Compact Guidelines;
- Integration of the Code of Ethics and the Guidelines in our Business Agreements with all stakeholders;
- Implementation of the objectives, goals and indicators of Agenda 2030/ODS in all projects developed through the "Think and Act Program".

## F. PORTFOLIO OF ACTIVITIES:

Note: In all activities developed by INCT CO<sub>2</sub> Zero, the implementation of environmental education and awareness of the Global Compact guidelines are always implicit in these activities:

- Development of production chains in the Amazon region;
- Creation of SAFs - Agroforestry Systems in the Midwest region;
- Recovery of degraded areas;
- Recovery of springs and riparian forests;
- Sustainable forest management;
- REDD+ / MDL / MDS;
- Socio-environmental programmes (social empowerment);
- Energy efficiency and renewable energy project;
- Water resources project (phytoremediation/basic sanitation);
- Solid waste projects (biogas plant through biodigesters)

## G. MEASURING RESULTS:

- Engagement to the following Thematic Groups of the Global Compact Network Brazil: ODS - Sustainable Development Goals and Energy & Climate with targets for us to compose all the thematic groups and commissions of the Global Compact;
- We increased by 80% the number of companies involved in initiatives related to specific issues, as a result of the organization's efforts.

## H. IMPROVING ENGAGEMENT: ACADEMIC AND CIVIL SOCIETY:

- Develop partnerships with new public, corporate and academic institutions;
- Provide support to UN Global Compact corporate participants in their own implementation efforts;
- Compose the other Thematic Groups of the Global Compact Network Brazil;
- Provide capacity building on carbon management (GHG - Greenhouse Gases) for the Global Compact Local Networks and/or the Global Compact Office.

## I. PARTNERSHIPS (ODS-17):

- Throughout these 10 years of operation the INCT CO2 ZERO has developed national and international partnerships with the following institutions:
- UN GLOBAL PACT - highlight for publication of the Program "Think and Compense" in the Climate Pact Booklet that was launched during the "Paris Agreement".
- EMBASSY OF FRANCE - invited and funded the INCT CO2 Zero team to present the "Think and Compensate" Program at COP 21 during the "Paris Agreement". <https://wclsdlp.wordpress.com/2015/12/09/redd-proposal-in-brazil-the-thinkand-compensate-program>
- EUROPEAN UNION - LOW CARBON BUSINESS ACTION BRAZIL - this is an exchange program with institutions of low carbon technologies and the INCT CO2 ZERO signed 10 Memoranda of Understanding with the following institutions:

### INTERNATIONAL:

#### PARTNERS LOW CARBON BUSINESS ACTION BRAZIL – UNIÃO EUROPEIA

- ARCHEA - GERMANY
- BERT ENERGY - GERMANY
- PARINI SRL - ITALY
- SERVELECT - ROMANIA
- AQUALE SPRL - BELGIUM
- HOST BIOGAS - NETHERLANDS
- MURPHY INVENTIONS - IRELAND
- SOLERY LTD - BULGARIA
- GREEN ENERGY CLUSTER - BULGARIA
- S327 CONSULTING - PORTUGAL
- AWITE BIOENERGIE - GERMANY





## NATIONAL:

- FNP - NATIONAL FRONT OF MAYORS - DF
- ANP TRILHOS - DF
- SEBRAE-DF
- OAB-PI
- TJDFT - DF
- ADASA - DF
- MUNICIPAL CITY HALL OF PETRÓPOLIS - RJ
- TERESINA CITY HALL - PI
- CALÇOENE CITY HALL - AP
- GOVERNMENT OF THE STATE OF AMAPÁ - AP
- ASSOCIATION OF AGRO-ECOLOGICAL PRODUCERS OF ALTO SÃO BARTHOLOMEU - APROSPERA
- ASSOCIATION OF FARMERS AND RIVERBANK DWELLERS OF THE ARAGUARI COMMUNITIES - ASMPRCA - AP
- EMBRAPA - DF
- PUBLIC MINISTRY OF THE STATE OF AMAPÁ - AP
- VEIGA EQUIPAMENTOS - RS L. GENERAL OBSERVATIONS

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I thank God first and foremost and all stakeholders who contributed to the success and success of the Institute CO2 Zero so far and as it says in our slogan: "Life only exists in balance", we will never tire of promoting sustainable economic development of this country.

With our best and cordial regards,



**MARCUS ANDREY VASCONCELLOS**

CEO - Chief Executive Officer  
 RD - ITIL - ISO/BSI LEAD AUDITOR  
[marcus.andrey@inct.org.br](mailto:marcus.andrey@inct.org.br)  
 Cel. +55 (61) 98182-6007