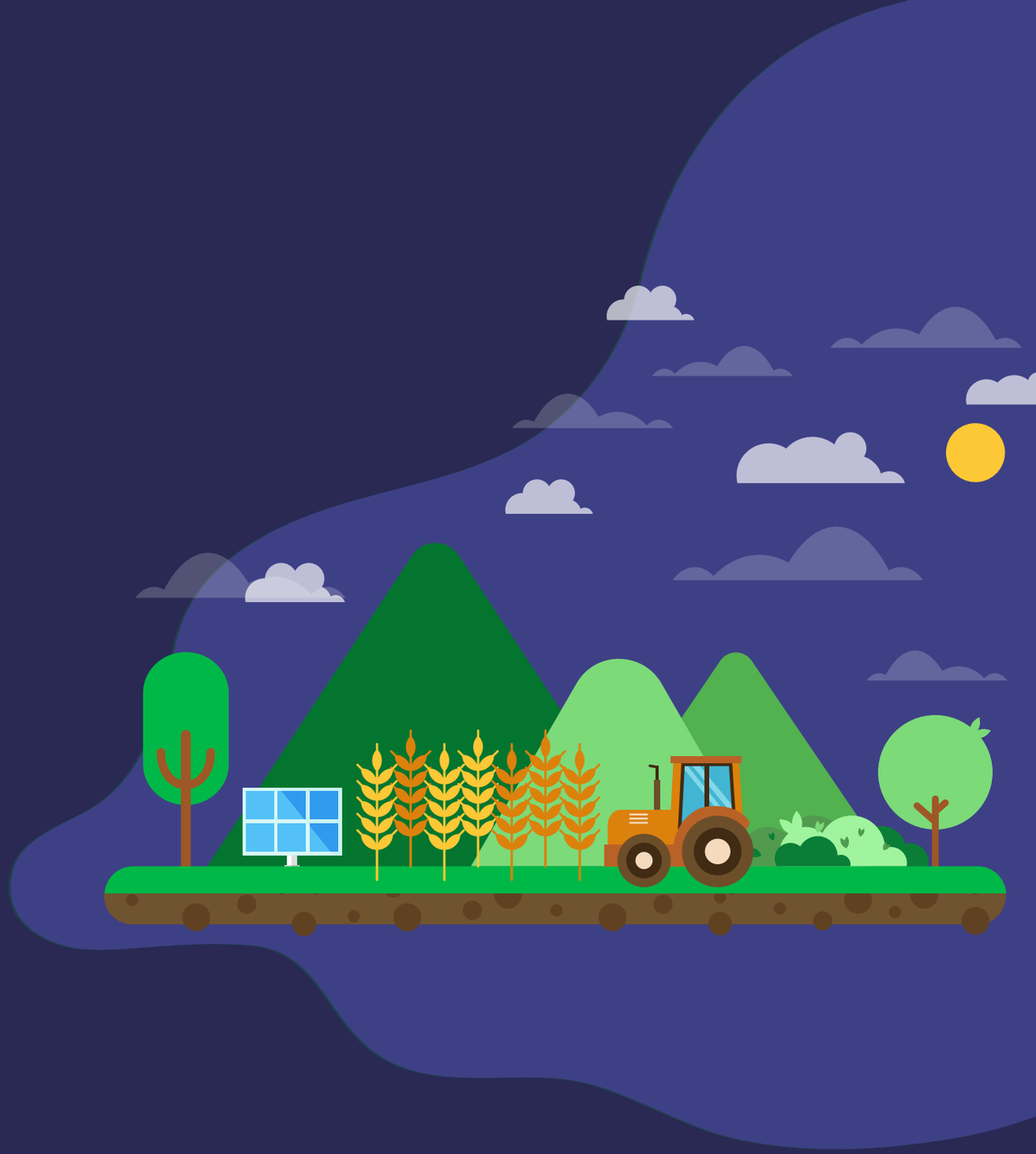
# ESG & IMPACT REPORT 2024

SPventures



# ESG & IMPACT REPORT 2024

SPventures

# SPventures

*“We invest at the intersection of climate resilience and food security to transform the agrifood value chain.”*

SP Ventures is a venture capital firm specializing in agrifood-climate tech in Latin America. We finance solutions that boost climate resilience and promote sustainable and responsible food systems.

We believe our investments in innovative entrepreneurs and technologies are key to addressing global challenges such as climate change and food insecurity, delivering scalable impact and sustainable financial returns.

As one of the largest venture capital fund managers focused on agrifood tech in Latin America, **we are committed to driving transformative impact by fostering innovative solutions** that address climate resilience and food security challenges.

# SPventures

**With deep operating, financing, consulting and pe/vc agrifood and climate experience - our team has a track-record of 50+ investments.**


Francisco Jardim


Felipe Guth

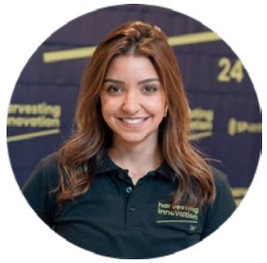

Ariadne Caballero


Alexandre Stephan


Renata Fernandes


Juliana Podestá


Henrique Zanuzzo


Rebecca Aguiar


Pedro Jábali


Vanessa Bello



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# SP Ventures Incredible **Journey**

*Our history reflects our values and goals. Across three waves of evolution, we've built ecosystems, driven innovation, and delivered transformative impact. The LPs that supported us showcase our maturity and unwavering commitment to addressing global challenges, including food security and climate resilience, at every step of our journey.*

## FIRST WAVE – AGV I

Pioneered the AgriFoodTech ecosystem in Brazil, backed by public and private LPs.

Contributed to establishing of innovation hubs, accelerators, and partnerships with leading universities.

Co-launched Radar AgTech with EMBRAPA, the main report about Brazilian agritech sector.

Finep
CAF
Jive
DESENVOLVE SP
FAPESP
SEBRAE
brain.ag
aegro
GÊNICA
Promip
agrosmart
bart digital
InCeres
SpecLab

## SECOND WAVE – AGV II

Supported scalable solutions, fostering resilience in agricultural markets, from farm digitization to supply chain innovations.

Banco do Brasil
bradesco
IFC
Syngenta Group
YARA
Mosaic
IDB
ADISSEO
BASF
CAPRIA
BUNGE
BB Seguros
gef
verge
traive
Frizata
erural
goFluxx
arado
Leaf
Agrofy
puna.bio
aegro
decoy
Verqor
ZOOMAGRI
agrolend
GÊNICA
AGROADVANCE

## THIRD WAVE – AGV III

### Anchor investors

minerva foods
BASF
OCP
FMC
AGCO
CHECK24

Strengthened the AgriFood-Climate Tech ecosystem across Latin America, positioning the region as a global hub for innovative technologies addressing food security and climate change.

Expanded impact by supporting solutions tailored to smaller markets such as Colombia, Uruguay, Paraguay, and Peru.

Built on the legacy of AGV I and II, focusing on game-changing solutions for a more sustainable and resilient global food system.

**SPventures + LPs**

Together, we are building the LATAM Agrifood-climate tech ecosystem, driving innovation and delivering impactful solutions for the future of food security and climate resilience.



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# **AGVentures II** Impact Portfolio

*Our portfolio reflects three key investment premises designed to address the challenges of food security and climate resilience: Agrifintech to deliver innovative financial solutions for agribusiness, Biological Inputs to promote sustainable agricultural practices, and Marketplaces to efficiently connect producers and markets. Each of these strategic areas is represented by our portfolio companies, driving innovation and positive impact.*

**Food security**
World population increase: food demand will rise by 60-80% by 2050

**AgFood-Climate tech**
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**Climate change**
Disruption of availability, accessibility, and stability of food supplies

| CLIMATE SMART AGRICULTURE | ALTERNATIVE INPUTS/ BIOLOGICALS | MORE EFFICIENT SUPPLY CHAIN | EDUCATION | FINANCIAL SERVICES | CARBON |
|---|---|---|---|---|---|
| aegro | decoy | Agrofy | AGROADVANCE | agrolend | MOSS |
| Leaf | GÊNICA | arado | | Verqor | |
| verge | puna.bio | erural | | traive | |
| | | Frizata | | | |
| | | goFluxx | | | |
| | | ZOOMAGRI | | | |



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# **Executive** summary

**In 2024, SP Ventures strengthened its commitment to driving sustainable innovation and creating meaningful impacts across its portfolio. Through proactive collaboration with investees and a continuous improvement approach, we advanced our ESG and impact agenda to align with the unique challenges and opportunities of venture capital-backed companies.**

## Key Achievements:

**Enhanced ESG and Impact KPIs:** Revised and expanded indicators to provide clearer, more actionable metrics, emphasizing climate resilience, diversity, and social and environmental contributions.

**Empowering Portfolio Companies:** Fostered ownership and autonomy among investees, enabling them to tailor ESG strategies while aligning with fund objectives.

**Diversity Milestones:** Introduced robust diversity indicators and supported portfolio companies in developing inclusive strategies, contributing to measurable progress.

**Climate Resilience:** Focused investments on technologies that mitigate climate risks and adapt to changing conditions, benefiting farmers and promoting sustainable agricultural practices.

## Lessons Learned:

1. Bridging gaps between ESG standards and the realities of VC-backed businesses requires customized approaches.

2. Clear distinctions between ESG and impact pillars help companies adopt responsible practices while achieving measurable social and environmental outcomes.

*SP Ventures remains committed to evolving its strategy, supporting portfolio companies, and serving as a benchmark for ESG and impact in Latin America, driving transformative change in food security, climate resilience, and sustainable growth.*

## Climate resilience KPIs:

**171,000**
farmers

**21,000**
credits evaluated

**U$ 571 mm**
volume of credit

**54 mm**
hectares impacted

**786,000**
tonnes of chemicals and fertilizers avoided



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# ESG and Impact

# ESG and Impact **Manifest**

**Through innovation, technology, and entrepreneurship, we are reimagining the future of agriculture and food systems. Every investment we make reinforces our commitment to building more inclusive, sustainable, and resilient supply chains, ensuring high-quality food for generations to come.**

## AGRI

Agriculture lies at the heart of global challenges to ensure food security and mitigate the impacts of climate change. In Latin America, where agricultural production accounts for 14% of the global total and employs millions of people, innovative solutions are essential to transform vulnerabilities into resilience. The integration of advanced technologies, regenerative practices, and inclusive financial tools is shaping a more sustainable future for the sector.

### Climate Change/ Climate Resilience

Agriculture is both affected by and contributes to climate change. Technologies such as biological inputs, precision agriculture, and optimized supply chains increase farmers' resilience, helping them adapt to climate extremes and reduce emissions.

### Sustainable Land Use/Regenerative Agriculture

By prioritizing practices such as cover crops, biological inputs, and crop rotation, regenerative agriculture restores soil health, enhances biodiversity, and improves carbon retention. These practices are essential to ensure the sustainability of the agricultural sector.

### Empowerment

Small and medium-scale farmers are key agents of agricultural transformation. Through agri-fintechs, we are democratizing access to credit and digital tools that foster autonomy, productivity, and adoption of sustainable practices.



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# ESG and Impact **Manifest**

**Through innovation, technology, and entrepreneurship, we are reimagining the future of agriculture and food systems. Every investment we make reinforces our commitment to building more inclusive, sustainable, and resilient supply chains, ensuring high-quality food for generations to come.**

## FOOD

The future of food systems depends on the intersection of technology, innovation, and sustainability. Initiatives that promote traceability, reduce waste, and improve supply chain efficiency are essential to ensure safe, accessible, and high-quality food for all.

### Food security

Reliable access to nutritious and affordable food is one of the greatest global challenges. Digital technologies such as agricultural marketplaces and management platforms help increase farmers' productivity and improve distribution efficiency, ensuring food reaches the most vulnerable populations.

### Traceability

Digital solutions enable tracking every step of the production chain, ensuring the origin, quality, and safety of food. This not only strengthens consumer trust but also reduces waste and enhances transparency.

### Food loss avoidance

Supply chain digitization minimizes losses at every stage – from the field to the end consumer. Solutions such as smart storage systems and efficient logistics maximize resource utilization and reduce waste-related carbon emissions.



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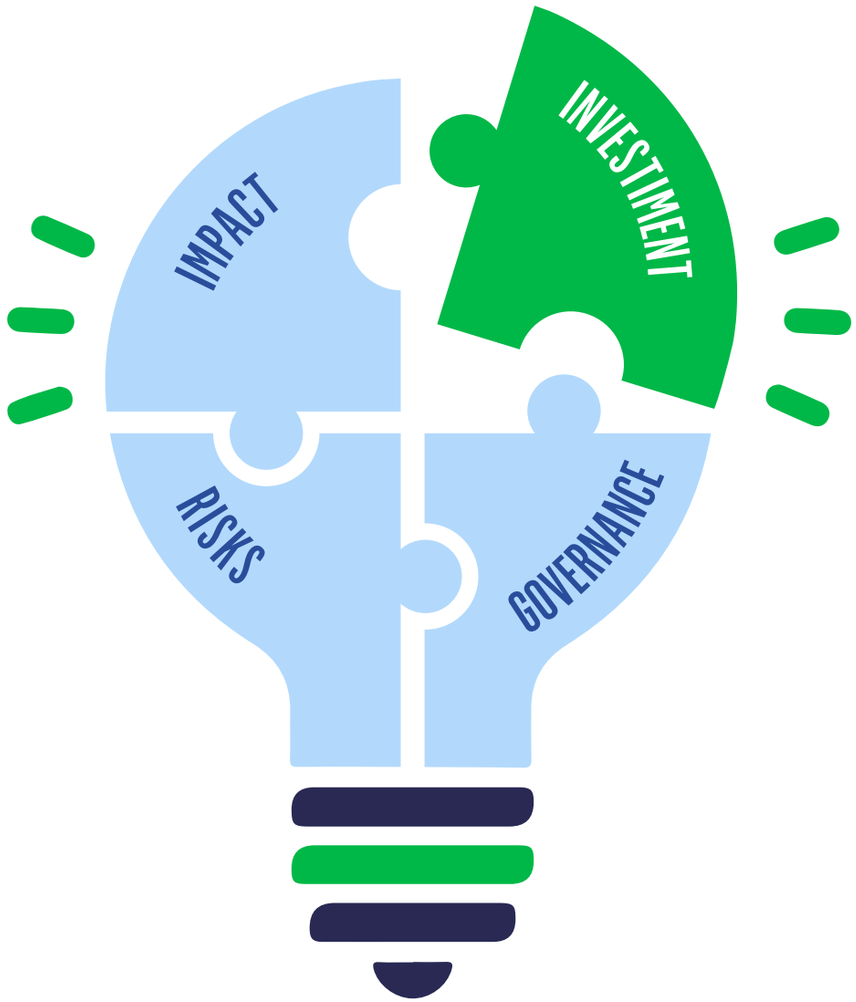
# ESG and Impact **Manifest**

*“We seek to direct our thesis and the impact we want to generate”*

## A journey of co-construction and continuous evolution...

We have a portfolio of investees that tackle these challenges head-on through entrepreneurship, innovation, and novel approaches. Our founders question the status quo and deploy technologies with a profound sense of purpose. Our goal is to leverage the impact on each of these fronts and spearhead the transition to a new reality.

We believe conscious investing is not just about impact. Besides incorporating ESG criteria into our due diligence and portfolio allocation to thoroughly safeguard our principles, we continue to positively influence our investees. We support and encourage each founding team to implement ESG as core pillars of their corporate culture. Understanding that each of them will have different entrepreneurial journeys and their own set of challenges, we take co-responsibility in helping them address specific issues such as governance, impact measurement, and transparency.



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# **Prioritized SDGs** by **SP** Ventures

**SP Ventures prioritizes the impact objectives outlined in SDGs 2, 12, and 13, with their targets serving as integral components of the firm's investment strategy.**


## SDG 2: Zero Hunger

Underscores the commitment to global food security. By directing investments toward initiatives that promote sustainable agricultural production, the aim is to contribute to eradicating hunger and ensuring access to nutritious and sufficient food for populations.


## SDG 12: Responsible Consumption and Production

Is pivotal to the investment firm's sustainable approach. By prioritizing projects that adopt sustainable agricultural practices, the investment firm seeks to reduce the environmental impact of production, promoting resource efficiency and waste minimization.


## SDG 13: Climate Action

Highlights concerns about the climate challenges faced by the agricultural sector. Investing in initiatives aimed at climate resilience and mitigating greenhouse gas emissions is essential to addressing climate change and promoting long-term sustainability.

**By prioritizing these SDGs, SP Ventures seeks not only financial returns but also positive impacts in terms of food security, environmental sustainability, and climate resilience in the agricultural sector.**



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# SDG and AGV II **Portfolio Aligment**

*“We have an impact portfolio aligned with the SDGs”*

SUSTAINABLE DEVELOPMENT GOALS

We are aligned with the SDGs by leveraging innovations toward solving some of the most pressing challenges.

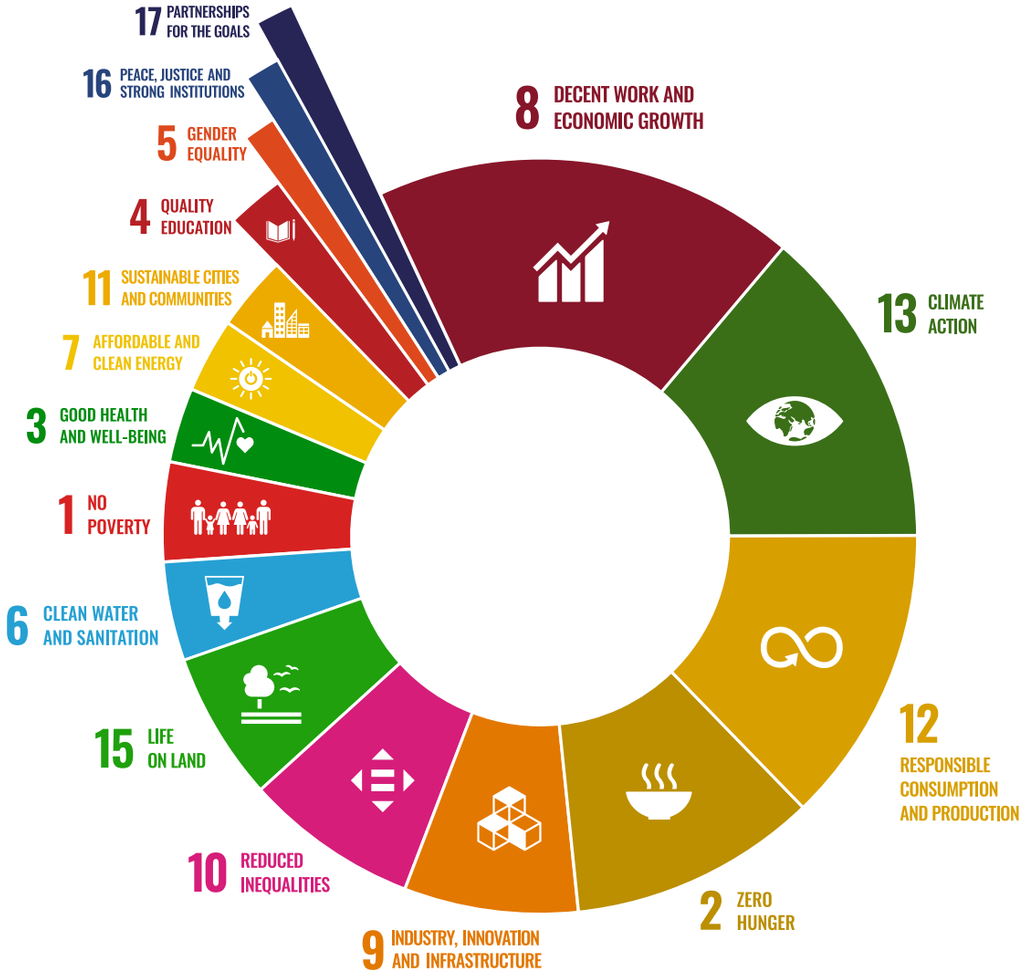
Combining our strategic pillars of impact and ESG criteria, our investees intensely address:

**SDG8**
Decent work and economic growth

**SDG13**
Action against global climate change

**SDG12**
Responsible consumption and production

**SDG2**
Zero hunger and sustainable agriculture



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# SDG and AGV II **Portfolio Aligment**

*“We have an impact portfolio aligned with the SDGs”*


**Decent work and economic growth**

**17**
**INVESTEES**

**8.2**
Achieve higher levels of economic productivity through diversification, technological upgrading and innovation, including through a focus on high-value added and labour-intensive sectors.

**8.3**
Promote development-oriented policies that support productive activities, decent job creation, entrepreneurship, creativity and innovation, and encourage the formalization and growth of micro-, small- and medium-sized enterprises, including through access to financial services.

**8.4**
Improve progressively, through 2030, global resource efficiency in consumption and production and endeavour to decouple economic growth from environmental degradation, in accordance with the 10-Year Framework of Programmes on Sustainable Consumption and Production, with developed countries taking the lead.

**8.6**
By 2020, substantially reduce the proportion of youth not in employment, education or training.

**8.8**
Protect labour rights and promote safe and secure working environments for all workers, including migrant workers, in particular women migrants, and those in precarious employment.

**8.10**
Strengthen the capacity of domestic financial institutions to encourage and expand access to banking, insurance and financial services for all.



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# SDG and AGV II **Portfolio Aligment**

*“We have an impact portfolio aligned with the SDGs”*


**Climate Action**

**13**
**INVESTEES**

**13.1**
Strengthen resilience and adaptive capacity to climate-related hazards and natural disasters in all countries

**13.3**
Improve education, awareness-raising and human and institutional capacity on climate change mitigation, adaptation, impact reduction and early warning


**Responsible Consumption and Production**

**12**
**INVESTEES**

**12.2**
By 2030, achieve the sustainable management and efficient use of natural resources.

**12.3**
By 2030, halve per capita global food waste at the retail and consumer levels and reduce food losses along production and supply chains, including post-harvest losses.

**12.4**
By 2020, achieve the environmentally sound management of chemicals and all wastes throughout their life cycle, in accordance with agreed international frameworks, and significantly reduce their release to air, water and soil in order to minimize their adverse impacts on human health and the environment.

**12.5**
By 2030, substantially reduce waste generation through prevention, reduction, recycling and reuse.

**12.8**
By 2030, ensure that people everywhere have the relevant information and awareness for sustainable development and lifestyles in harmony with nature.

**12.a**
Support developing countries to strengthen their scientific and technological capacity to move towards more sustainable patterns of consumption and production.



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# SDG and AGV II **Portfolio Aligment**

*“We have an impact portfolio aligned with the SDGs”*


**Zero Hunger**

**10**
**INVESTEES**

**2.3**

By 2030, double the agricultural productivity and incomes of small-scale food producers, in particular women, indigenous peoples, family farmers, pastoralists and fishers, including through secure and equal access to land, other productive resources and inputs, knowledge, financial services, markets and opportunities for value addition and non-farm employment

**2.4**

By 2030, ensure sustainable food production systems and implement resilient agricultural practices that increase productivity and production, that help maintain ecosystems, that strengthen capacity for adaptation to climate change, extreme weather, drought, flooding and other disasters and that progressively improve land and soil quality

**2.a**

Increase investment, including through enhanced international cooperation, in rural infrastructure, agricultural research and extension services, technology development and plant and livestock gene banks in order to enhance agricultural productive capacity in developing countries, in particular least developed countries



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# SP Ventures **Theory of Change**

*“Promote the climate resilience of farmers through the adoption of innovative technologies that enhance productivity and agricultural sustainability, reduce climate vulnerabilities, and minimize environmental impacts, while strengthening food security and rural development.”*

## Long-Term Outcomes

Promote the climate resilience of farmers through the adoption of innovative technologies that enhance productivity and agricultural sustainability, reduce climate vulnerabilities, and minimize environmental impacts, while strengthening food security and rural development.

## Medium-Term Outcomes

**Climate Resilience:** Farmers are better prepared to cope with extreme weather events such as droughts, floods, and temperature fluctuations.

**Environmental:** Reduction of the agricultural sector’s environmental impacts through regenerative practices, efficient resource management, and reduction of carbon emissions.

**Economic:** Greater economic stability for farmers, even in adverse climate scenarios, with access to markets and technologies that reduce costs and losses.

**Social:** Strengthened food security and improved quality of life in rural communities.

**Technological:** Deployment of tools that enable climate forecasting, risk management, and production optimization.

## Short-Term Outcomes

- Increased adoption of technologies aimed at mitigating climate risks (e.g., sensors, artificial intelligence, and weather forecasting tools).
- Reduction of losses caused by adverse climatic conditions through the use of precision inputs and smart management systems.
- Implementation of natural resource management systems (water, soil, and energy) on supported farms.
- Training farmers in resilient practices and the use of technologies that support climate adaptation.

# SP Ventures **Theory of Change**

*“Promote the climate resilience of farmers through the adoption of innovative technologies that enhance productivity and agricultural sustainability, reduce climate vulnerabilities, and minimize environmental impacts, while strengthening food security and rural development.”*

## Key Activities

**Investment in Climate Smart Solutions:** Funding of startups that offer technologies focused on climate adaptation, such as monitoring tools, biological inputs, precision irrigation, and regenerative agriculture.

**Strategic Partnerships:** Build connections among startups, climate research centers, and cooperatives to foster the development of locally relevant solutions.

**Education and Training:** Provide capacity-building programs for farmers on regenerative practices and technology used for risk mitigation.

**Access to Capital:** Develop financial mechanisms and partnerships that enable farmers to secure funding for adopting climate-smart technologies and regenerative practices.

**Encouraging Digitization:** Support digital inclusion of farmers by ensuring access to real-time climate information and agricultural management tools.

**Impact Monitoring:** Establish metrics to gauge the effectiveness of technologies in reducing climate

## Inputs

- Capital specializing in AgriFoodTechs focused on climate adaptation.
- Expertise in climate risk analysis and mitigation methodologies.
- A network of mentors and partners in agribusiness and sustainability.
- Access to climate data and insights on the interrelation between agricultural production and climate change.

## Underlying Assumptions

- Climate change is increasing the vulnerability of agriculture, and the strengthening of climate resilience is critical for the sector’s sustainability.
- The use of technology can significantly mitigate risks associated with extreme weather events.
- Small and medium-scale farmers are more vulnerable to climate impacts but are key to driving a more inclusive and sustainable transformation.
- Locally adapted solutions tailored to regional specifics are more effective in promoting resilience.

# SP Ventures **Theory of Change**

*"Promote the climate resilience of farmers through the adoption of innovative technologies that enhance productivity and agricultural sustainability, reduce climate vulnerabilities, and minimize environmental impacts, while strengthening food security and rural development."*

## Impact Indicators:

### Impact Scalability

- Farmers Benefited: Total number of farmers adopting climate adaptation technologies.
- Low and Middle-Income Farmers Impacted: Inclusion and support for small-scale and vulnerable farmers.

### Adaptive and Absorptive Capacity

- Loans Granted: Total amount of credit available for farmers to invest in climate resilience.
- Insurance Coverage Enabled: Insurance coverage provided to mitigate climate risks.

### Transformative Capacity

- Hectares Impacted: Total area transformed through mitigation and regenerative practices.
- Reduction in the use of Inputs: Volume of fertilizers and fuels avoided through the use of technology.

### Climate Change Mitigation

- Emissions Offset: Carbon emissions mitigated by the solution implemented.
- Volume of Chemicals Avoided: Amount of chemical inputs and fertilizers avoided.
- Volume of Fuel Avoided: Reduction in the use of fossil fuels.

### Technological KPIs

- Startups Scaling Climate Solutions: Number of supported startups scaling climate-focused solutions.
- Best Practices Published: Content published to promote best practices for mitigation and adaptation.

# SP Ventures **Theory of Change**

## CONTEXT: LOW CLIMATE RESILIENCE AND VULNERABILITY OF FARMERS AND FOOD INSECURITY

### INVESTMENT IN CLIMATE SMART SOLUTIONS

Focusing on innovative solutions to empower farmers and build resilience against climate challenges.

#### Foster a Culture of Inclusive Knowledge

Use technology to create an accessible knowledge-sharing technologies deliver best practices and techniques in regenerative agriculture directly to farmers.

**Outcome:** Increased adoption of sustainable practices and enhanced farmer resilience to climate challenges.

#### Develop an Inclusive Financial Ecosystem

Build a streamlined and inclusive financial system for farmers, reducing bureaucratic barriers, increasing access to funding, and creating a resilient, adaptive food system.

**Outcome:** Improved farmer incomes and long-term resilience.

#### Promote Access to Innovative Technologies and Inputs

Enhance access to sustainable technologies and alternative agricultural inputs, which are essential for regenerative practices.

**Outcome:** Improved soil health, increased productivity, and reduced pressure to expand farmland.

## GREATER CLIMATE RESILIENCE, FOOD SECURITY, AND ENVIRONMENTAL SUSTAINABILITY.



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# Network Effect

# Network **Impact**

*“We seek to direct our thesis and the impact we want to generate”*

We believe that responsible action goes beyond just creating an impact; it is about fostering a positive, long-term effect that aligns with our core values and the realities in which we invest. In line with this principle, **our fund is supported by impact investors and development banks that embody the best ESG practices in the market**. These investors play a crucial role in shaping and advancing ESG criteria, ensuring consistency throughout our processes. **Their involvement not only adds credibility to SP Ventures’ work but also strengthens the impact we generate through our portfolio**.

Moreover, just as we have learned and benefited greatly from this supportive network, we aim to be that network for other players, beyond our own portfolio. In doing so, **we contribute to the growth of a more mature impact investing ecosystem in Latin America, fostering collaboration and knowledge-sharing across the region**.

IDB
Inter-American Development Bank

IFC International Finance Corporation
WORLD BANK GROUP
Creating Markets, Creating Opportunities

blink

Meraki Impact



SPventures

# Network **Impact**

*“SP Ventures has a role in developing the AgFood-Climate tech ecosystem in LATAM”*

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At SP Ventures, we play a strategic role **in strengthening the Agrifood-climate tech** ecosystem across Latin America.

Our mission goes beyond funding: **we aim to be a cornerstone for attracting more capital to the region, fostering positive impact, climate resilience, and food security**.

We believe that by actively participating in global and regional discussions, we enhance our ability to drive meaningful transformations.

## Attracting Capital and Advancing Agribusiness in Latin America

- **Focus on Sector Development:** We invest in technology companies that revolutionize the agri-food value chain, prioritizing solutions that promote adaptation to climate change and sustainable agricultural practices.
- **Building Bridges with Global Investors:** We act as facilitators, connecting international funds with high-impact startups in Latin America, increasing the flow of capital into the agri-food sector.

## Leadership in Impact Conversations

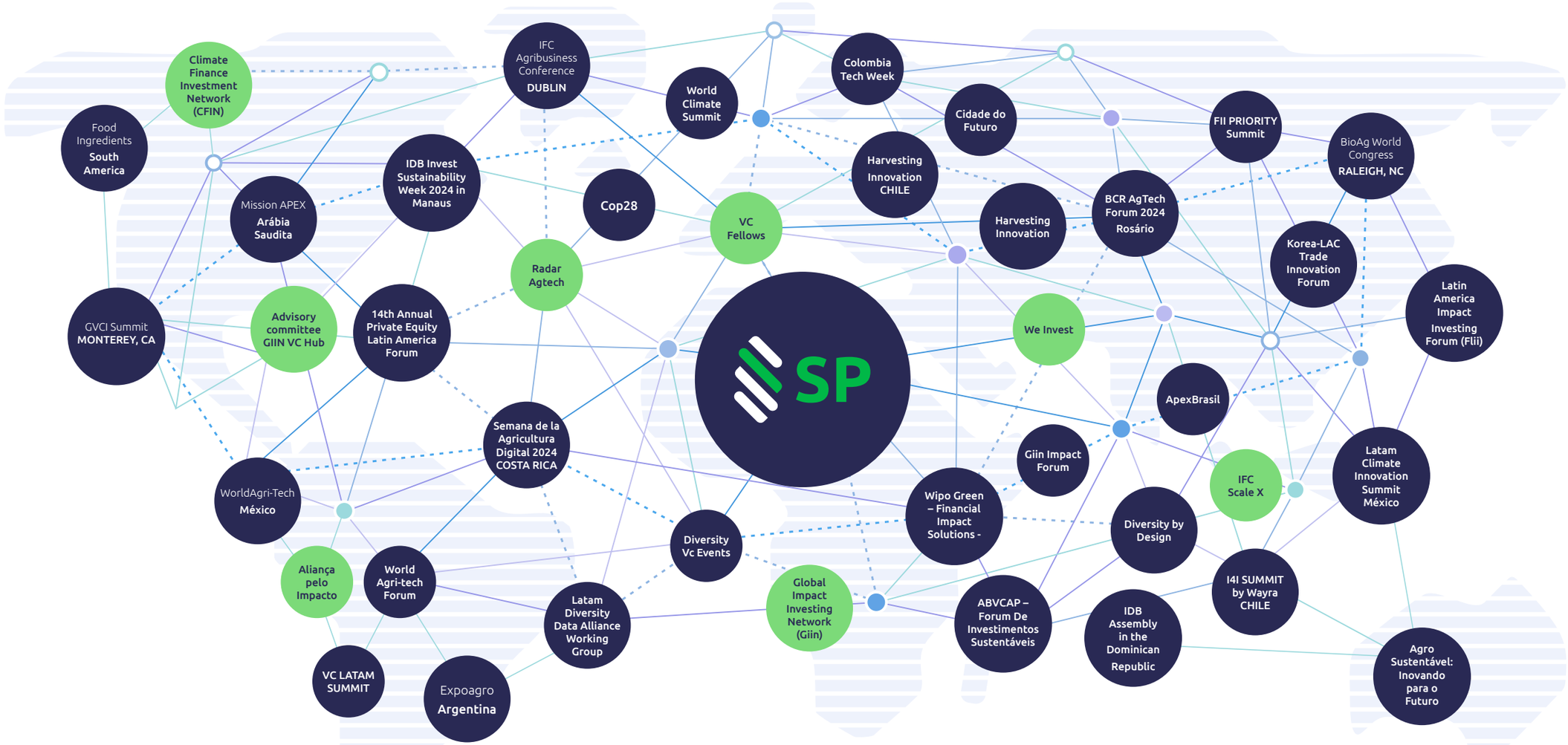
- **Active Participation in Strategic Networks:** We are members and actively participate in global and regional groups that amplify impact investments in the sector, such as the **GIIN (Global Impact Investing Network), GIIN VC Hub, Aliança pelo Impacto, Diversity VC**, among others.
- **Promoting Regenerative Practices:** We aim to be ambassadors for the importance of technology and innovation in advancing regenerative agriculture across the region, while enhancing climate resilience and driving sustainable solutions.
- **Connecting Capital and Impact:** Through these networks, we foster dialogue, disseminate knowledge, and attract more impact-focused capital to the Agrifood-climate tech sector in Latin America.

## Sharing Knowledge and Expanding the Ecosystem

- **Strategic Reports and Tools:** We co-created initiatives such as the Radar AgTech (in partnership with EMBRAPA) and developed reports with AgFunder, mapping key trends and challenges in Agrifood-climate tech across LATAM.
- **Partnerships and Education:** We promote events such as the Harvesting Innovation and work with universities to foster agri-innovation hubs, spreading best practices and strengthening the ecosystem’s foundation.

# Network **Impact**

*“SP Ventures has a role in developing the AgFood-Climate tech ecosystem in LATAM -> More than 40,000 people impacted”*



# Network **Impact**


## SP Ventures: Partners in Growth and Transformation

- **Strategic Mentorship:** We provide guidance to integrate ESG best practices into operations and processes.
- **Impact Tools:** We help define clear impact metrics aligned with the Sustainable Development Goals (SDGs).
- **Valuable Connections:** We connect portfolio companies with a network of investors, strategic partners, and global impact groups.

**NETWORK EFFECT:**

**Fostering a culture of impact and ESG throughout the agri-food value chain.**

## Spreading Impact and ESG Best Practices

- **Becoming Impact Leaders:** We encourage portfolio companies to act as ambassadors for positive impact, inspiring others to adopt sustainable practices.
- **Structurally Embedding ESG:** We promote the creation of resilient business models that integrate ESG as a competitive advantage.
- **Amplifying Best Practices Across the Sector:** We work to ensure our portfolio companies lead by example, sharing their learnings and inspiring the ecosystem to raise its standards.

# SP Ventures as a **GIIN Member**

*“Consolidating Our Impact Journey with GIIN.”*

After years of dedication to **ESG and Impact**, in 2023, SP Ventures reached a significant milestone by becoming a member of the **Global Impact Investing Network (GIIN)**. This achievement was highly relevant to our firm as it reflected not only the importance of ESG and impact in our strategy but also our **ambition to continuously increase the impact we generate** and our role as advocates for best practices in the ecosystem.

Also in 2023, we participated for the first time in the **GIIN Impact Forum**, an event that brought immense value—not only by strengthening our **impact-focused network** but also through highly relevant content and discussions.

Furthering our involvement and deepening our commitment to fostering impact through **Venture Capital**, at the beginning of 2024, we were invited to join the **Advisory Committee of the GIIN VC Knowledge Hub**. Together with global players from the United States, Latin America, Europe, and Asia, we contributed to developing a series of webinars aimed at supporting the growth of the ecosystem and promoting knowledge sharing among members.

We actively participated in the organization of two key events:

1. “Evolving Impact of Venture Capital”
2. “Insights from Asset Owners on their VC Fund Assessment Strategies”

During these sessions, we discussed trends **shaping impact in the VC sector** alongside global peers and presented **perspectives from various LPs, including DFIs and family offices**, on how they approach impact and guide VC funds toward greater progress. This experience was incredibly enriching, allowing us not only to learn from our peers but also to actively contribute to such a **prestigious global network**.

Also in 2024, we once again participated in the GIIN Impact Forum, where **we had the opportunity to share our journey with DFIs, foundations, and other impact investors from around the world**. This further **reinforced our presence and commitment within the impact ecosystem**, solidifying our role as a reference at the **intersection of Venture Capital and Positive Impact**.

# Context

# **Empowering Innovation**: Pioneering a Sustainable Future for Agriculture in Latin America

**Francisco Jardim**
General Partner
at SP Ventures

"As we present the 3rd edition of our Annual ESG & Impact Report, we reflect on Latin America's pivotal role in addressing two of the world's greatest challenges: climate change and food security. In Brazil, where agriculture accounts for 69% of greenhouse gas emissions, the stakes are monumental. Yet, this region is also the backbone of global food systems, offering an unparalleled opportunity to drive sustainable transformation through innovation and resilience. At SP Ventures, we hold deep admiration for the entrepreneurs we have the honor to support. These innovators are the agents of change who defy conventional limits, creating solutions that empower farmers, reimagine food systems, and align productivity with sustainability. Their vision and determination inspire us daily, reminding us that entrepreneurship is the most powerful tool we have in the fight against the climate crisis. Through our investments, we have partnered with these extraordinary individuals to deliver tangible, scalable impact. From biological inputs restoring soil health to agri-fintechs democratizing access to financial tools, our portfolio reflects a shared commitment to building a resilient and inclusive agricultural ecosystem. These technologies are not just driving productivity—they are creating the blueprint for a sustainable food system. Our mission goes beyond deploying capital. We are committed to amplifying the voices of these entrepreneurs, providing them with the mentorship, networks, and strategic support they need to thrive. Together, we are catalyzing a transition toward a low-carbon, climate-resilient economy, proving that sustainability and financial returns are not only compatible but mutually reinforcing. To our partners, investors, and allies, thank you for standing with us on this journey. Together, we are nurturing the ecosystem that will define the future of agriculture—one that prioritizes resilience, equity, and sustainability for the region and the world."

# The Global Challenge:
# Climate Change and Food Insecurity

Agriculture is the sector most affected by climate change, experiencing direct and cascading effects that put global food security at risk. Rising temperatures, irregular rainfall, and an escalation of extreme weather events such as droughts, floods, and heatwaves are exerting immense pressure on agricultural production systems. Every one-degree Celsius increase in global mean temperature could lead to substantial declines in the yields of staple crops such as wheat, rice, corn, and soybeans. Compounding these challenges, higher CO2 concentrations reduce the nutritional value of crops, directly threatening the health of millions of people worldwide. Latin America, which accounts for a significant share of global food production and agricultural land, is particularly vulnerable. This region faces diverse risks, including desertification, melting glaciers, and water scarcity. In Brazil, for example, droughts and extreme events are expected to increase significantly, threatening ecosystems, agricultural productivity, and livelihoods. In Argentina, the melting of glaciers, a vital source of water, is expected to exacerbate the challenges posed by a hotter, drier climate. These conditions disproportionately affect small and medium-scale farmers, who often lack access to resources, technologies, and financial support to adapt.

Globally, demand for food is projected to rise by 60% by 2050, driven by population growth expected to surpass 9.7 billion. Meeting this demand requires expanding agricultural output while navigating intensifying resource constraints, including the degradation of over 120 million hectares of arable land and an 11% rise in water needs for irrigation.

**Without systemic change, approximately 800 million people will continue to suffer from chronic food insecurity, making it increasingly difficult to achieve the UN's 2030 Sustainable Development Goals.**

Latin America, **which accounts for a significant share of global food production and agricultural land**, is particularly vulnerable. This region faces diverse risks, including desertification, melting glaciers, and water scarcity. In Brazil, for example, droughts and extreme events are expected to increase significantly, threatening ecosystems, agricultural productivity, and livelihoods. In Argentina, the melting of glaciers, a vital source of water, is expected to exacerbate the challenges posed by a hotter, drier climate.

**These conditions disproportionately affect small and medium-scale farmers, who often lack access to resources, technologies, and financial support to adapt.**

**The intersection of these crises underscores the urgency of addressing vulnerabilities within the agricultural sector. Small and medium-scale farmers, who are central to food systems in regions such as Latin America, face barriers for the adoption of innovations such as drought-resistant crops, biological inputs, and precision agriculture tools. These solutions, when combined with financial instruments such as conditional loans and integrated insurance products, offer pathways to enhance climate resilience and sustainability.**



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# **Future Challenges** for Food Security

## POPULATION GROWTH WILL BOOST DEMAND FOOD

*The global population is expected to grow significantly, reaching*

**9.7 billion by the 2050**

*and potentially*

**10.9 billion by the 2100**

This rapid expansion will drive unprecedented demand for food, requiring an estimated 60% increase in global food production. Alongside this, evolving dietary patterns are posing new challenges. Urbanization, rising incomes, and demographic changes are fueling a growing preference for high-value animal proteins and processed foods, particularly in developing regions.

**Meeting this demand will exert immense pressure on natural resources. Over 120 million additional hectares** of arable land will be required to sustain production levels, alongside a projected **11% increase in water usage for irrigation**. Grain production alone will need to exceed and addition one billion tons annually, **while meat production must grow by 74%**. These shifts underscore the urgency of implementing innovative, sustainable solutions to support a resilient global food system.

### Population Growth = Higher Demand For Food

**9.7 billion** = **60%**

world population in 2050

More food to be produced by farmers

### Urbanization drives change in consumption pattern

**36.4 kg**

processed food and meat annual per capita meat consumption 1997 - 1999

**45.3 Kg**

processed food and meat annual per capita meat consumption 2030

At the same time, per capita calorie availability is set to rise by 12% globally, highlighting an uneven distribution of resources and the growing disparity between regions. These challenges necessitate collaborative efforts in agriculture, technology, and policy to ensure global food security in the coming decades.



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# **Critical Challenges** for Food Security

## CURRENT USES OF NATURAL RESOURCES ARE HIGHLY COMPROMISED

The sustainability of natural resources, which are essential for agriculture is under significant stress. Currently, 25% of the world's farmland is classified as highly degraded, with an additional 44% moderately or slightly degraded. This degradation, coupled with increasing water scarcity affecting over 40% of rural populations, poses a severe threat to agricultural productivity and long-term food security. Efficient land and water management are crucial to mitigate these risks and ensure sustainable farming practices for future generations.

## FOOD WASTE IS A MASSIVE MARKET INEFFICIENCY AND AN ENVIRONMENTAL THREAT

At the same time, food waste represents a massive inefficiency of the global food system. Globally, one-third to one-half of all food produced is wasted, totaling more than $1 trillion in losses annually. This waste occurs across the supply chain, from primary inputs to consumer homes. For example, farms lose 1.2 billion tons of food annually, while 810 million tons are discarded at consumer level. In the United States alone, food waste accounts for 1.3% of the total GDP, making it a significant economic and environmental concern.

### Primary inputs & production

**1.2 billion**
tonnes of food lost on farms

### Transformation

**14 million**
metric tonnes of food waste generated by the food processing industry

### Distribution

**121 million**
tonnes of food wasted in retail

### Consumption

**840 million**
tonnes of food wasted in foodservice and consumer homes

**Addressing these challenges requires transformative action, including investments in sustainable farming practices, waste reduction technologies, and policy reforms to streamline supply chains. These efforts are essential to create a resilient global food system capable of meeting the needs of a growing population.**



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# **Critical Challenges** for Food Security

## THE OUTCOME: POVERTY, HUNGER, AND MALNUTRITION

The convergence of demographic pressures, climate change, resource scarcity, and food waste is fueling a global food security crisis. These interconnected factors drive poverty and hunger, leaving millions of people vulnerable. Currently, 700 million individuals live in extreme poverty, struggling to meet their basic needs. Another 800 million face chronic hunger, while two billion suffer from micronutrient deficiencies, impairing their health and productivity.

The most severely affected are often rural populations in developing regions, where access to essential resources is limited. Political instability and violent conflicts further erode social safety nets, exacerbating the challenges faced by vulnerable communities. Without targeted interventions, these conditions threaten to deepen global inequality and undermine efforts to build resilient, sustainable food systems.

### Tackling Food Security Challenges

The global food security crisis is driven by interconnected challenges such as demographic growth, climate change, resource degradation, and food waste. These issues fuel poverty, hunger, and malnutrition, disproportionately affecting vulnerable populations. Addressing these challenges requires innovative solutions, efficient use of resources, and equitable access to technologies, particularly for smallholder farmers. Collaborative global efforts are essential to build resilient and sustainable food systems that meet the needs of a growing population while mitigating climate impacts.



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# **Building Resilience** – Why Focus on Climate Adaptation and Food Security

**The global food system faces unprecedented challenges, particularly in Latin America, a region critical to global food security**. Climate change, population growth, and resource depletion are pushing agricultural systems to their limits, with Latin America experiencing some of the most severe impacts.

Extreme weather events such as droughts, floods, and heatwaves are becoming increasingly frequent, disrupting agricultural productivity and threatening the livelihoods of millions. As a major producer of 14% of the world's food, Latin America's vulnerability to climate shocks has ripple effects across global supply chains, further amplifying the risks to food security worldwide.

*Building a resilient food system is no longer an option—* **it is an urgent necessity.**

**In Latin America, where small and medium-scale farmers form the backbone of agriculture but lack the resources to adapt, these pressures are particularly acute.**

Without decisive action, the growing demand for food, coupled with shrinking natural resources and escalating climate impacts, will create unsustainable strains on agriculture, deepening cycles of poverty, hunger, and malnutrition both regionally and globally. Investing in innovation, inclusivity, and sustainability is essential to protect the region's vital role in feeding the world while ensuring resilience in the face of these mounting challenges.



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# **Building Resilience** – Why Focus on Climate Adaptation and Food Security

## THE CASE FOR RESILIENCE: A CALL TO ACTION

### Climate Shocks are Intensifying

- Droughts and floods disrupt production, leading to price volatility and food shortages.
- Extreme weather events are expected to increase, jeopardizing livelihoods and food supplies.

### A Fragile System Needs Transformation

- Global agricultural systems depend heavily on finite resources, such as arable land and water, which are becoming increasingly scarce and degraded.
- A system built for resilience can absorb shocks, adapt to new challenges, and ensure stability.

### Vulnerability Requires Inclusion

- Small and medium-scale farmers, who form the backbone of global food supply, lack the resources to adapt. Investing in their resilience is critical to a sustainable food future.

## WHY LATIN AMERICA?

### Global Impact on Food Security

- Latin America produces 14% of the world's food and employs 20% of the region's workforce in agriculture.
- Disruptions in this region send ripple effects across global supply chains, underscoring its critical role in ensuring global food security.

### Vulnerability to Climate Risks

- The region is facing increasing droughts, heatwaves, and soil degradation, threatening agricultural output and long-term sustainability.
- Small and medium-scale farmers are disproportionately affected, leading to worsening poverty and inequality in rural communities.

### Innovation Hub

With rich biodiversity, advanced research in tropical agronomy, and a thriving entrepreneurial ecosystem, Latin America is a natural launchpad for scalable, transformative agricultural solutions.



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# **Building Resilience** – The Path Forward

**Investing in climate-resilient food systems means adopting technologies, policies, and practices that:**

- **Protect agricultural systems against climate shocks.**
- **Reduce inefficiencies, such as food waste, across the supply chain.**
- **Enhance financial inclusivity, enabling small-scale farmers to thrive.**
- **Foster innovation, such as precision agriculture and biological inputs, to ensure sustainability.**

Building a resilient food system is key to addressing both climate change and food insecurity crises. By prioritizing resilience, we can secure livelihoods, stabilize economies, and safeguard the planet for future generations. **Now is the time to act**.



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# Achieving different results requires **doing things differently**

In a world facing unprecedented challenges—climate change, resource scarcity, and food insecurity—traditional approaches are no longer sufficient. To ensure global food security and build resilience in agricultural systems, we must embrace innovation and technology as the driving forces for transformation.

## INOVATION AND TECHNOLOGY AS KEY

### Breaking Systemic Barriers

- Innovation gives small and medium-scale farmers access to previously unavailable resources, tools, and markets.
- It addresses inefficiencies in supply chains, reduces waste, and enhances productivity.

### Scaling Sustainable Solutions

- Technology accelerates the adoption of regenerative practices that restore soil health, conserve water, and reduce greenhouse gas emissions.
- Digital tools and data-driven insights enable precision agriculture, optimizing use of resource while minimizing environmental impacts.

### Adapting to a Changing World

- Advanced technologies, such as climate-smart sensors and biological inputs, make farming more resilient to extreme weather events.
- Innovations ensure food systems remain stable and adaptable in the face of unpredictable climate conditions.



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# **Innovative** and more **techdriven** Agfood value chain

*"The path to a low carbon & climate resilient agriculture"*

**Through technological breakthroughs & productivity leaps…**

- Precision Agriculture & optimized input application
- Universal & competitive access to financial services
- Transparent value-chains
- Democratization of ag science
- Biological and alternative inputs
- Supply-chain disintermediation

**DIGITAL AND BIOTECH DRIVERS**

**Lead to**

**… We Achieve Food Security, Climate Resilience, and Higher Farmer Margins**

- Increased productivity per acre, less waste and reduce deforestation
- Higher profitability for small and medium growers
- Lower carbon footprints of core food staples
- Wider Technology and Best Practices Adoption
- Radicle reduction in chemical crop-protection and fertilizer inputs
- More resilient, transparent and efficient supply-chains

**ENTREPRENEURSHIP + TECHNOLOGY + PRODUCTIVITY = AGRICULTUR'S E KEY POSITIVE IMPACT VECTOR**



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# Sustainable Agrifood Technologies Driving **Resilience** and **Food Security**

## Innovation in the agricultural sector is crucial for addressing climate change, providing solutions that enhance sustainability and resilience.

### 1. Inclusive Financial Services

Access to affordable and tailored credit is a game-changer for small and medium-scale farmers, who often face systemic barriers to financing. By providing inclusive financial solutions, such as conditional loans and bundled insurance, farmers obtain the resources they need to adopt sustainable practices, modern technologies, and climate-smart innovations

### 2. Biological Inputs

Biological inputs, including biofertilizers, biopesticides, and biostimulants, are a sustainable alternative to traditional chemical inputs, fundamentally transforming agriculture into a more resilient and eco-friendly system. These nature-based solutions replace harmful chemicals, restore soil health, and significantly contribute to climate adaptation and mitigation while enhancing productivity.

### 3. Education and Capacity Building

Training programs and digital platforms give farmers the skills to implement climate-smart practices, fostering resilience, productivity, and sustainable growth.



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# Sustainable Agrifood Technologies Driving **Resilience** and **Food Security**

## Innovation in the agricultural sector is crucial for addressing climate change, providing solutions that enhance sustainability and resilience.

### 4. Precision Agriculture Technologies

Advanced monitoring systems, including drones and sensors, enable precise resource management, reducing waste, optimizing inputs, and minimizing environmental impacts. These innovations increase productivity per hectare while protecting natural ecosystems from overexploitation.

### 5. Sustainable Agricultural Practices

Regenerative agriculture and no-till farming enhance soil health and sequester carbon, reducing erosion and boosting climate resilience. By improving land productivity, these practices contribute to feeding a growing population while mitigating climate change.

### 6. Development of Resilient Crops

Genetic research and plant breeding create crops that thrive under extreme weather conditions, ensuring stable yields despite droughts or heatwaves. This innovation safeguards food supply chains against future climate shocks.

### 7. Water Use Efficiency

Smart irrigation systems and water-efficient technologies reduce water waste and address scarcity, protecting this vital resource while increasing resilience to drought-prone regions. Farmers can maintain consistent yields while being less dependent on water.

# Sustainable Agrifood Technologies Driving **Resilience** and **Food Security**

## Innovation in the agricultural sector is crucial for addressing climate change, providing solutions that enhance sustainability and resilience.

### 8. Renewable Energy in the Field

Solar and wind energy reduces reliance on fossil fuels in agricultural operations, cutting greenhouse gas emissions and supporting the transition to low-carbon farming systems.

### 9. Sustainable Supply Chains

Transparent tracking and certification systems foster consumer trust and ensure sustainability across the agricultural value chain. These innovations align practices with environmental goals, reduce waste, and stabilize food markets.

### 10. Storage Technologies

Post-harvest storage solutions, such as airtight silos and energy-efficient refrigeration, minimize food loss, ensuring that harvested crops reach consumers. This reduces the need for additional farming cycles, conserving land and resources.

### 11. Data Integration and Artificial Intelligence

AI-powered tools provide accurate climate predictions and real-time insights for farmers. By enabling informed decisions, they enhance preparedness for adverse weather, reducing the risks of crop failure and improving food system resilience.

By investing in these transformative technologies, agriculture can mitigate climate impacts, reduce food insecurity, and foster a **sustainable and resilient future as environmental conditions evolve.**



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# Catalyzing **Climate Resilience** and **Food Security**

**In a world grappling with climate change and food insecurity, adopting innovative solutions is no longer optional—it's imperative. SP Ventures is committed to catalyzing change by investing in technologies that address systemic inefficiencies, build resilience, and empower small and medium-sized farmers.**

## *Agri-fintech: enabling climate-smart investments*

- **Access to Credit:** Smallholders, often left out of from traditional financial systems, are empowered with tailored credit solutions linked to specific climate-smart practices. Conditional loans ensure investments in sustainable technologies such as precision irrigation, drought-resistant seeds, and regenerative land management.
- **Risk Mitigation:** Bundled insurance products provide a safety net against climate shocks such as floods or droughts, reducing financial risk and enabling recovery. These tools incentivize farmers to implement adaptive measures without fear of losses.
- **Digital Tools:** Agri-fintech platforms integrate credit access with digital advisory services, offering real-time guidance on market trends, weather forecasts, and best practices.

***Impact:***

*1. Facilitates adoption of climate-resilient practices.*

*2. Stabilizes farmer incomes, fostering resilience against climate unpredictability.*



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# Catalyzing **Climate Resilience** and **Food Security**

**In a world grappling with climate change and food insecurity, adopting innovative solutions is no longer optional—it's imperative. SP Ventures is committed to catalyzing change by investing in technologies that address systemic inefficiencies, build resilience, and empower small and medium-sized farmers.**

## *Biological inputs: sustainable productivity through nature-based solutions*

- **Enhancing Soil Health:** Biofertilizers increase organic matter and nutrient cycling, improving soil fertility and structure. These inputs reduce dependency on synthetic fertilizers, which contribute to soil degradation and greenhouse gas emissions.
- **Targeted Pest Control:** Biopesticides derived from natural materials target harmful pests while preserving beneficial organisms, reducing resistance and environmvental contamination.
- **Regenerative Practices:** Biological inputs are essential for regenerative agriculture, enabling carbon sequestration and biodiversity enhancement while ensuring stable yields.

***Impact:***

*1. Enhances soil resilience, allowing crops to withstand droughts and extreme weather.*

*2. Promotes biodiversity, improving long-term farm sustainability.*



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# Catalyzing **Climate Resilience** and **Food Security**

**In a world grappling with climate change and food insecurity, adopting innovative solutions is no longer optional—it's imperative. SP Ventures is committed to catalyzing change by investing in technologies that address systemic inefficiencies, build resilience, and empower small and medium-sized farmers.**

## *Climate smart agriculture: precision decisions for maximum efficiency*

- **Real-Time Data and Early Warnings:** Farmers gain access to actionable insights through integrated systems combining satellite imagery, weather forecasts, and soil sensors. Early alerts about pest outbreaks or extreme weather enable proactive measures.
- **Resource Optimization:** Tools for water and nutrient management ensure precise input use, minimizing waste and reducing environmental impact. For example, smart irrigation systems conserve water while ensuring optimal hydration.
- **Decision Support Systems (DSS):** Simulation models help farmers assess the potential outcomes of different strategies, allowing them to adapt practices based on climate conditions.

***Impact:***

*1. Improves productivity and reduces input costs through optimized farming techniques.*

*2. Strengthens climate resilience by preparing farmers for adverse conditions.*



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# Catalyzing **Climate Resilience** and **Food Security**

**In a world grappling with climate change and food insecurity, adopting innovative solutions is no longer optional—it's imperative. SP Ventures is committed to catalyzing change by investing in technologies that address systemic inefficiencies, build resilience, and empower small and medium-sized farmers.**

## *Marketplaces: reducing inefficiencies in supply chains*

- **Transparent Value Chains:** Digital platforms connect farmers directly with buyers, ensuring fair pricing and reducing dependency on intermediaries. This promotes equitable distribution of value across the supply chain.
- **Reducing Food Waste:** Marketplaces minimize post-harvest losses by streamlining logistics, improving access to storage, and ensuring timely access to the market for perishable goods.
- **Digital Market Insights:** Farmers receive real-time market data, enabling better decisions on crop selection, pricing, and timing for sales, ensuring profitability.

***Impact:***

*1. Creates resilient supply chains that adapt to climate disruptions.*

*2. Improves farmer profitability and strengthens global food securityClimate.*



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# Catalyzing **Climate Resilience** and **Food Security**

## Agrifood innovation plays a pivotal role in reducing marginalization and building resilience in rural populations.

- **Job Creation: Empowering Rural Livelihoods:** Agribusiness investments in innovative technologies and sustainable practices generate employment opportunities for rural populations. By modernizing agricultural systems, these investments enhance productivity and improve standards of living, fostering economic empowerment in underserved communities.
- **Development of Rural Communities: Building Inclusive Ecosystems:** Agribusiness can drive rural development by providing critical infrastructure, access to essential services, and tools for sustainable growth. Through collaboration, it promotes the creation of resilient, inclusive, and self-sufficient communities equipped to adapt to climate challenges.
- **Knowledge Transfer: Equipping Farmers with Skills and Tools:** The dissemination of modern agricultural practices, technology, and management techniques empowers rural farmers to improve productivity. Transferring this knowledge enables farmers to adopt climate-smart practices, boosting yields while safeguarding the environment.



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# Catalyzing **Climate Resilience** and **Food Security**

## Agrifood innovation plays a pivotal role in reducing marginalization and building resilience in rural populations.

- **Market Access: Connecting Farmers to Opportunities:** Integrating smallholder farmers into agribusiness value chains through partnerships, cooperatives, or digital platforms connects them with broader markets. This not only enhances their income but also strengthens food supply chains, ensuring greater economic stability and inclusivity.
- **Environmental Sustainability: Ensuring Long-Term Agricultural Viability:** Sustainable agricultural practices restore soil health, conserve water, and reduce greenhouse gas emissions, ensuring long-term productivity. Agribusiness fosters environmental stewardship while benefiting both farmers and the ecosystems they depend on.

By combining innovation, sustainability, and inclusivity, agrifood systems can transform rural communities into **resilient hubs of economic growth, food security, and climate adaptation.**



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# AGVentures II

# **SP Ventures**: Catalytic Capital for Portfolio Companies

At SP Ventures, we position ourselves as a pivotal source of catalytic capital for our portfolio companies. Our role as a sector-focused investor in Latin America creates unique opportunities for our partners by:

- **Unlocking Additional Capital:** By providing early-stage, sector-specific investment, we enhance the credibility and attractiveness of our portfolio companies, helping them secure follow-on funding from global investors.
- **Driving Strategic Evolution:** Our deep understanding of local markets and agri-food technologies allows us to support companies in refining and executing impactful, scalable business strategies.
- **Amplifying Impact:** With a commitment to sustainability and social impact, we ensure that capital deployment aligns with ESG principles, fostering growth that is not only profitable but also responsible.

Having SP Ventures as a specialized partner in Latin America enables our portfolio companies to accelerate their growth trajectories, achieve operational excellence, and deliver measurable impact.

*Total amount raised by the portfolio:*

**USD 314MM**

*Leverage ratio of 1:9*

# SP Ventures ESG and Impact Journey

# **Advancing ESG Innovation:** SP Ventures' 2024 Journey in AgFoodTech Impact and Growth

**Felipe Guth**
Partner at
SP Ventures

"With the objective of cultivating an innovation-friendly environment that addresses critical ESG challenges through its investments in the AgFoodTech space, SP Ventures entered 2024 at a mature stage of its journey. The year presented the challenge of continuing to evolve while supporting its portfolio companies in reaching their next level of growth and impact.

In 2024, SP Ventures focused on disseminating knowledge by creating relevant content and actively participating in numerous industry events. Within our portfolio, the emphasis was on fostering and developing internal initiatives. For our more advanced investees, we designed tailored strategies, including the implementation of reporting frameworks and other communication initiatives to amplify their ESG impact and visibility.

On the governance front, we maintained our commitment to supporting portfolio companies by reviewing and updating their policies. As these companies grow, their needs evolve, and we worked closely with them to adapt and strengthen their governance structures along the way.

A key focus in 2024 was the exploration and refinement of impact measurement. With many companies becoming more aware of their ESG roles, we dedicated significant effort to helping them define meaningful KPIs that effectively represent and communicate the impact they deliver.

Looking ahead to 2025, with the launch of our new fund, we remain committed to working closely with our existing portfolio while seeking visionary founders to join us on this journey. We bring our experience, expertise, and passion to the table, driving innovation and impact in the AgFoodTech sector."

# SP Ventures **ESG Journey** 2024

## Walking the Talk – SP Ventures' Commitment to ESG Excellence

SP Ventures strives to be a benchmark for ESG practices and a catalyst for positive impact, both within our operations and across our portfolio. To achieve this vision, we continuously refine our internal processes, ensuring our practices align with the highest standards of sustainability and responsibility.

Our efforts include equipping our team with a deep understanding of our ESG strategy and its importance, empowering them to serve as advocates and knowledge ambassadors within the broader ecosystem. We actively engage in leading industry forums and discussion groups, shaping the ESG agenda and contributing to its advancement. By doing so, we maintain a strong presence at the forefront of ESG innovation, fostering a culture of leadership and collaboration in this critical area.

# SP Ventures **ESG Journey** 2024

## Walking the Talk – SP Ventures' Commitment to ESG Excellence

### Team building and development:

- Internal training on diversity and unconscious bias;
- SP Ventures culture review
- Team building workshops including assertive communication, tempers and joint decision-making

### Diversity and inclusion strategy:

- Building a diversity and inclusion roadmap for SP Ventures
- Reviewing the investment process to include diversity as a criterion
- Taking a part in Diversity VC events and build

### Becoming an ESG and Impact knowledge disseminator in the ecosystem:

- Taking a part in the Advisory Committee of the GIIN VC's knowledge hub
- Five articles published, including Impact investing, biologicals, climate risks and climate resilience

### Benchmarks and network effect:

- Participation in more than 50 events;
- GIIN Member
- Benchmark Meeting with peers on ESG and Impact strategy
- Second edition of Harvesting Innovation by SP Ventures
- Member of the LATAM Diversity Data Alliance

### Continuous Improvement Strategy:

- ESG and Impact Journey: Review and Lessons Learned
- Evaluation and Optimization of Impact KPIs
- Improvement Strategy Aligned with B Corp Methodology
- Emissions Offset and Neutralization

# **Diversity Journey** at SP Ventures

At SP Ventures, diversity is more than a commitment; **it is an essential value** that integrates all areas of our operations.

In 2023, we had the opportunity to participate in the **SCALE X program**, an initiative led by the IFC in partnership with Value for Women, which provided us with the tools to expand and deepen our diversity strategy.

Through this program, **we developed a personalized roadmap, outlining concrete actions to promote diversity both internally and across our portfolio companies**.

## Internal Development: Strengthening the Foundation

Our commitment to diversity within SP Ventures translates into continuous actions:

**Training** on unconscious bias and ESG, enabling the team to effectively identify and address biases.

"Book of the Month" and internal courses, promoting ongoing learning on topics such as leadership, unconscious bias, impact, and innovation.

A women's affinity group, which meets monthly to discuss initiatives that advance female representation in the investment ecosystem. As a result of these efforts, **50% of SP Ventures'** team is composed of women, with representation at all organizational levels.



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# **Diversity Journey** at SP Ventures

## Impact on the Portfolio: Expanding the Agenda

Recognizing that our greatest impact occurs within portfolio companies, we have a diversity roadmap in place to support the development of inclusive strategies. Our initiatives involve:

Diversity training offer in both Portuguese and English, targeted at founders, C-level executives, and team members.

Supporting the creation of policies and action plans, offering adaptable frameworks and templates to meet each company's needs.

Monitoring diversity indicators, collecting biannual data on:
- Representation within founding teams, senior leadership, and the workforce.
- Promotions, hiring, and termination to ensure a comprehensive view of the progress.

# **Diversity Journey** at SP Ventures

## Concrete Results

The first results of these initiatives can already be seen:

**40%** *of portfolio companies have female founders*

**36%** *of the workforce are women*

*More than* **50** *women hold senior leadership positions within companies in our AGVentures II fund portfolio, accounting for 40% of all senior leadershio roles.*

## Next Steps: Moving Forward in 2024

Building on the lessons of 2023, we look to the future with a clear focus:

- Expanding **monitoring** to include diversity indicators for **boards of directors and gender pay equity in the C-suit**.
- Refining internal **deal origination and evaluation processes** to reduce biases and attract more female founders.
- Continuing to collaborate with portfolio companies to implement robust diversity strategies tailored to their unique realities and challenges.

Our journey is deliberate and continuous, driven by the active leadership of our Head of ESG and Impact, partners, and the entire investment team. SP Ventures remains steadfast in its commitment to fostering more **diverse, inclusive, and innovative environments,** generating positive impacts across the investment ecosystem and beyond.

**Diversity is the pathway to sustainable growth, and we are just getting started.**



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# ESG Journey Portfolio Development

# ESG & Impact Journey

## SP Ventures takes pride in a collaborative approach, engaging deeply with each investee in order to:

- **Assess maturity levels** across environmental, social, and governance pillars.
- **Jointly design a tailored strategy** for integrating ESG and impact practices.

### Key Actions

- **Analysis of Market Demands:** Identifying evolving trends and risks specific to early-stage tech companies.
- **Customized ESG Integration:** Ensuring practical application of ESG principles for startups in their growth journey.
- **Strategic Alignment:** Crafting an "ESG and Impact Journey" tailored to each portfolio company's unique needs.

### Impact of this Approach:

- **Stronger Engagement:** Greater alignment between ESG, impact goals, and core business strategy.
- **Enhanced Value Creation:** Helping our portfolio companies navigate risks while scaling their positive impacts.
- **Pioneering Leadership:** Establishing a roadmap for early-stage companies to lead on ESG and sustainable innovation.

# ESG & Impact methodology

## Development plan with the portfolio

Based on the best market practices and the level of maturity of the Venture Capital sector in ESG, we structure a base journey to work with each investee. It was built seeking to ensure robust governance, risk mitigation, measurement of impacts, and transparency.

1st STEP

### Improve internal process

**POLICIES**

Make sure all the basic policies are in place and easily accessible to stakeholders.

**RISK IDENTIFICATION**

Have a risk process in place and the main risks mapped.

**GENERAL KPIs**

Monitoring of KPIs and transparency.

2nd STEP

### Build a solid foundation

**RISK MITIGATION**

Have mitigation plans for the main risks.

**POSITIVE IMPACT IDENTIFICATION**

Understand the positive impacts of the business and how to maximize them.

**SPECIFIC IMPACTS KPIs**

Define specific KPIs linked to business value creation.

3rd STEP

### Report to the market

**DISCLOSURE**

With robust KPIs in place, it is important to periodically disclose them to the market.

**REPORT**

For clarity of the impacts and risks, an annual impact report should be developed in order to account for their evolution.



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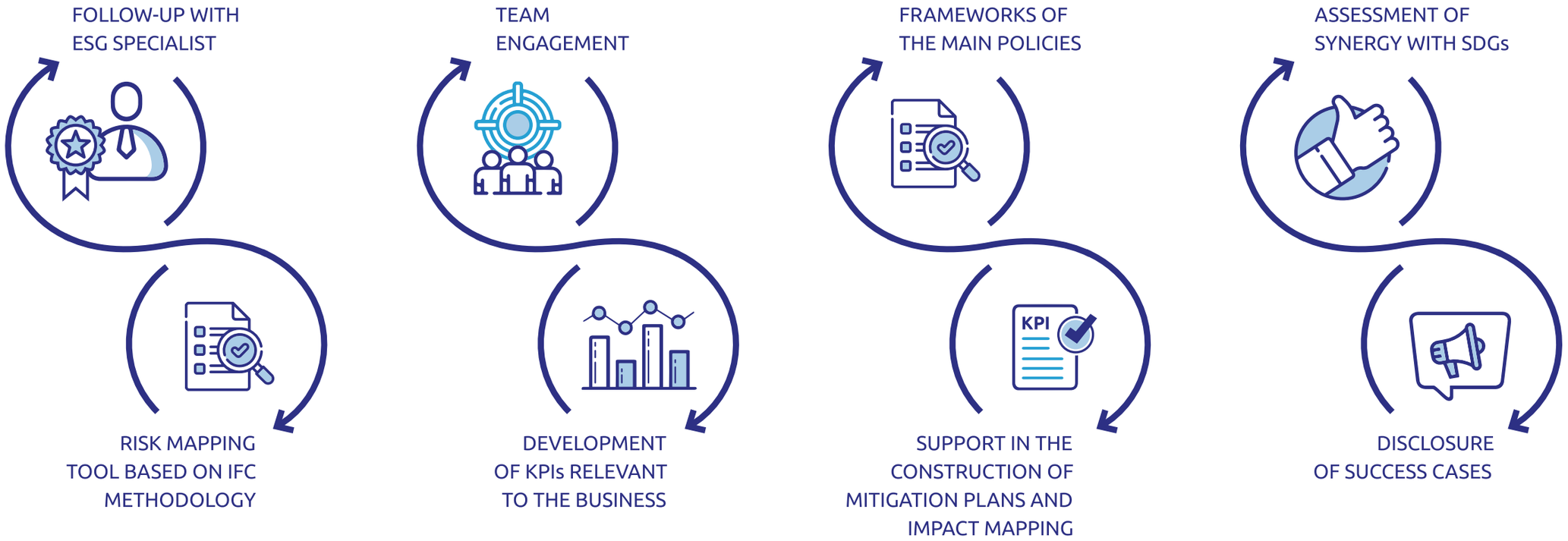
# ESG development **methodology**

## ESG development plan with the portfolio

Based on the best market practices and the level of maturity of the Venture Capital sector in ESG, we structure a base journey to work with each investee. It was built seeking to ensure robust governance, risk mitigation, measurement of impacts, and transparency

## Co-construction journey



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# ESG development **methodology**

## SUGGESTED GENERAL KPIS - IMPACT SCALABILITY

**1st STEP** **Organize the house**

**Policies:** Make sure all the basic policies are in place and easily accessible to stakeholders

**Risk identification:** Have a risk process in place and the main risks mapped

**General KPIs:** Monitoring of KPIs and transparency

**Suggest General KPIs- Impact Scalability**

### ENVIRONMENTAL

- GHG Emissions
- Energy consumption
- Land use

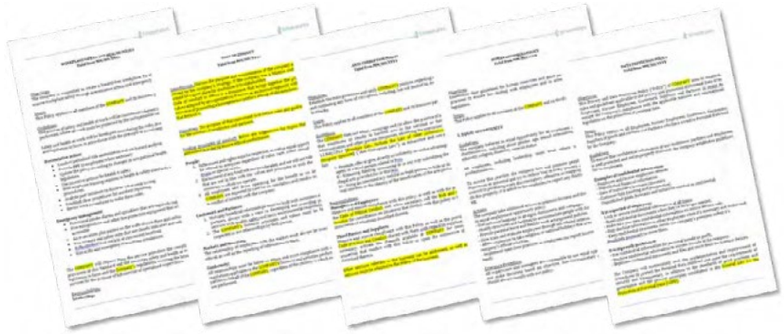
### SOCIAL

- Employees
- Farmers
- Clients
- Students
- Communities
- Impacted lives

### GOVERNANCE

- Management
- Policies
- Grievance Mechanism
- Risk Assessment
- KPIs

### Frameworks of the Main Policies



### Risk Management based on IFC Methodology

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# ESG development **methodology**

## SUGGESTED GENERAL KPIS - IMPACT SCALABILITY

**2st STEP** **Build a solid foundation**

**Risk mitigation:** Have mitigation plans for the main risks

**Positive impact identification:** Understand the positive impacts of the business and how to maximize them

**Specific impacts KPIs:** Define specific KPIs linked to business value creation

**Specific KPIs - Impact Measurement (examples)**

### ENVIRONMENTAL

- Number of preserved trees
- Avoided electricity consumption
- Avoided water consumption

### SOCIAL

- Number of impacted communities
- Number of producers with access to the first credit
- NPS in the organization

### GOVERNANCE

- % of producers approved in credit assessment
- Number of trained resellers
- Time saved by the producer

### Impact and SDG Mapping


### Risk Mitigation Plans

| RISK | PROBABILITY OF OCCURRING (low=1, medium=2, high=3, extreme=4) | SEVERITY IF OCCURRED (low=1, medium=2, high=3, extreme=4) | RISK PRIORITIZATION (low, medium, critical) | NOTES |
|---|---|---|---|---|
| *What is the risk that has been identified? (Use previous tools to identify risks.)* | *What is the likelihood that this risk will occur and create negative impacts?* | *How severe would the potential impacts be, if the risk should occur?* | *What are the highest priority risks based on the likelihood of occurring and the severity of the impact?* | *Any additional notes - **Mitigation actions*** |
| Loss of market access due to reputational issues (lack of product and process knowledge) | 3 | 3 | Critical | -Development of clear public materials that explain what carbon credit is, what tokens are and how credible the process is<br>-Publication of articles related to the topic on networks such as linkedin and on Moss's own website<br>-Simplified explanation of the credibility that blockchain brings to the carbon market |
| Loss of market access for reasons of transparency, as a percentage of revenue going to the community and the project | 2 | 3 | Medium | -Develop a transparent tool on revenue distribution for projects and make this information available |
| Loss of market access due to lack of credibility of the carbon credits/methodologies used. | 3 | 3 | Critical | -Development of clear public materials that explain what carbon credit is, how it is generated and the credibility of the standards that Moss use<br>-Only trade carbon credits of recognized standards |



SPventures

# ESG development **methodology**

*“We seek to direct our thesis and the impact we want to generate”*

| | CLIMATE CHANGE | SUSTAINABLE LAND USE | FARMER EMPOWERMENT | FOOD SECURITY | TRACEABILITY | FOOD LOST AVOIDANCE |
|---|---|---|---|---|---|---|
| Gênica | ✓ | ✓ | | ✓ | | |
| Agrofy | ✓ | | ✓ | | | |
| Leaf | ✓ | ✓ | | | ✓ | |
| Traive | ✓ | ✓ | ✓ | ✓ | | |
| Frizata | ✓ | | | ✓ | | ✓ |
| Agrolend | ✓ | ✓ | ✓ | ✓ | | |
| Verge | ✓ | ✓ | ✓ | | | |
| Aegro | ✓ | ✓ | ✓ | ✓ | | |
| goFlux | ✓ | | | | | |
| ZoomAgri | ✓ | | ✓ | ✓ | ✓ | ✓ |
| Moss | ✓ | ✓ | | | | |
| Decoy | ✓ | ✓ | | ✓ | | |
| Verqor | ✓ | ✓ | ✓ | ✓ | | |
| AgroAdvance | ✓ | ✓ | ✓ | ✓ | | |
| eRural | ✓ | | ✓ | | | |
| puna.bio | ✓ | ✓ | | ✓ | | |
| Arado | ✓ | | ✓ | ✓ | ✓ | ✓ |



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# ESG and Impact **portfolio - climate**

*"When focusing on climate, it is important to understand our portfolio's impact on resilience and mitigation."*

| | CLIMATE CHANGE MITIGATION | | CLIMATE ADAPTATION AND RESILIENCE | |
|---|---|---|---|---|
| **Climate smart agriculture** | aegro, verge, Leaf | With more data and information, we help farmers reduce the use of fuels and inputs | aegro, Leaf | Management systems empower farmers to make informed decisions and adapt their practices |
| **Alternative inputs/biologicals** | GÊNICA, puna.bio, decoy | Alternative inputs improve soil health and reduce the use of fertilizers | GÊNICA, puna.bio | Biologicals are key to regen ag, directly impacting direct the climate resilience of farms |
| **More efficient supply chain** | Agrofy, arado, erural, Frizata, ZOOMAGRI | Disintermediating value chain reduces fuel consumption | Agrofy, arado | Marketplaces play a crucial role in establishing a fair supply chain that is more resiliente to climate |
| **Education** | AGROADVANCE | Education is key for implementing best practices and increasing efficiency | AGROADVANCE | Education enable farmers to adopt best practicesand alternative inputs |
| **Financial services** | | | agrolend, traive, Verqor | Financials services are a crucial enabler to the adoption of new practices, empowering farmers and giving them access to technology and alternative inputs |
| **Carbon** | MOSS, goFluxx | Use of carbon credits to offset emissions | | |

Minimize food loss

Minimize food loss



SPventures

# **ESG** Maturity Evolution


**30**
people in the portfolio's ESG network

**100%**
companies evolved in the SP Ventures ESG ranking

More than
**120**
policies built

**100%**
of the portfolio underwent ESG Due Diligence

**88%**
of companies with socio-environmental risk assessment and mitigation plans

**76%**
of companies with specific ESG KPIs in development

More than
**100**
positive impacts mapped



SPventures

# **ESG** Maturity Evolution

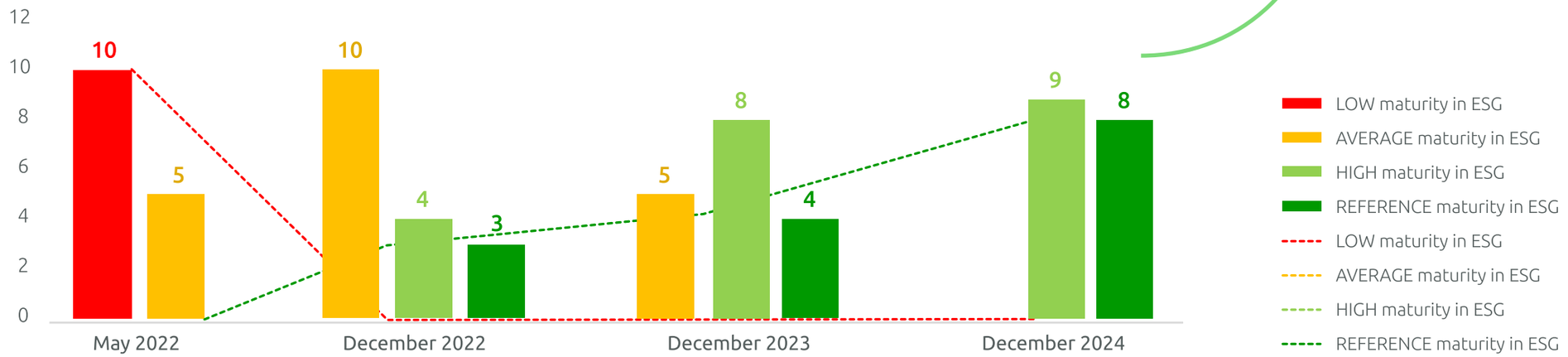
## Portfolio ESG maturity level

| Maturity criteria (25%) | Governance (25%) | Management (25%) | Disclosure (25%) |
|---|---|---|---|
| Alignment with the SDGs | ESMS | Risk assessment | Pitch with ESG |
| | HR Policies | Mitigation plans | ESG and Impact report |
| | Data Privacy policy | Impact mapping | |
| | Code of conduct | General KPIs | |
| | Anticorruption policy | Specific KPIs | |
| | Diversity policy | | |

**100%**
of the portfolio evolved in maturity level throughout the journey

*--> 100% achieve High or Reference levels*

### Number of companies in each maturity stage






SPventures

# Revisiting and Enhancing **ESG** and **Impact KPIs**

*Throughout 2024, we made a comprehensive revision of our ESG and Impact KPIs to ensure they are more complete, clear, and relevant to our overarching premise. This process reflects our commitment to continuously aligning our impact measurement with our strategic goals and values.*

## Key Milestones Achieved:

### Advancing the Diversity Agenda

We introduced a robust set of diversity indicators aimed at fostering progress in this critical area. These indicators are designed not only to enhance the way our firm manages diversity but also to guide and support our portfolio companies in advancing their practices.

### Expanding Social and Environmental Metrics

We expanded our social and environmental indicators and organized them into three primary categories:

- **Social Impact:** Focusing on improving community well-being by enhancing livelihoods, access to resources, and promoting of diversity and inclusion across both our organization and portfolio companies.
- **Climate Change Mitigation:** Highlighting how our investments contribute to reducing greenhouse gas emissions and promoting sustainable practices.
- **Climate Change Adaptation:** Emphasizing the role of technology in building resilience and adaptive capacity for farmers, ensuring they can thrive amidst changing environmental conditions.

This structured approach gives greater clarity to the transformative role of technology in achieving impactful outcomes while strengthening the scalability and sustainability of the efforts of our portfolio companies.



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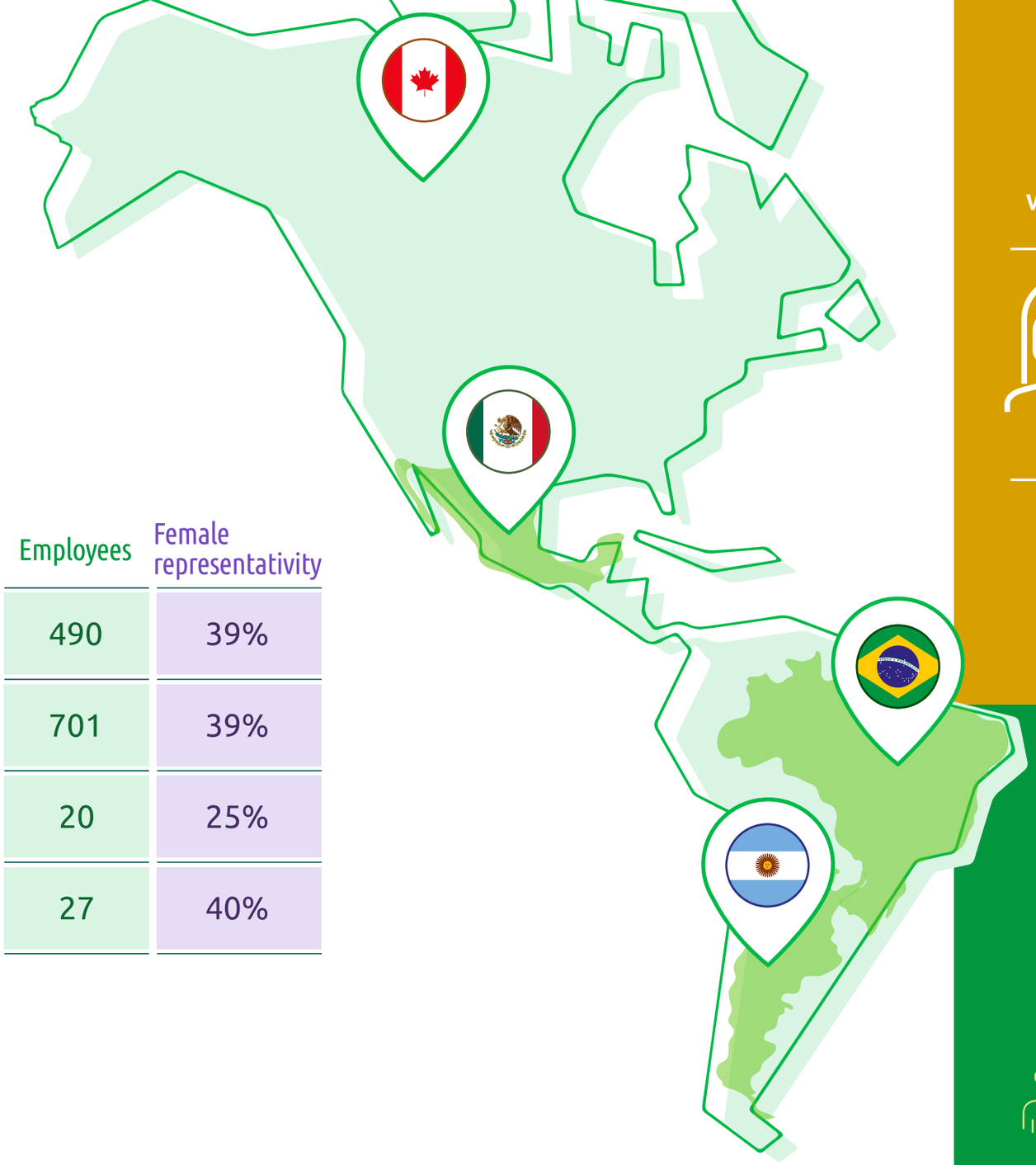
# Social **Profile**



| | Investees | Employees | Female representativity |
|---|---|---|---|
| Argentina | 4 | 490 | 39% |
| Brazil | 11 | 701 | 39% |
| Canada | 1 | 20 | 25% |
| Mexico | 1 | 27 | 40% |

**40%** of investees with female co-founders

**+50** women in Senior leadership positions

**36%** of women composing the teams

SP

Partners 4 + 6 Employees

**50%** women on the team

# Social **Impact**

**At SP Ventures, we invest in empowering farmers as a driving force for transforming the food system. We support companies that expand access to credit, technology, and best practices, benefiting not only farmers but also clients, employees, and other stakeholders. Our focus is on strengthening the agri-food ecosystem to promote food security and create lasting social impact.**

Number of impacted farmers

**171,000**
farmers

*Number of farmers with access to better technologies and credits.*

Numer of Employees

**1031**
employees

*Number of employees with access to decent work.*

Number of impacted clients

**344,000**
clients

*Number of clients with access to better technologies.*

Number of lives impacted

**533,000**
lives

*Number of employees, clients, and farmers impacted by portfolio technologies.*



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# Climate **Resilience Impact**

**At SP Ventures, we invest in companies that support farmers in strengthening climate resilience through technology, credit, and sustainable practices. Our impact is measured across three key dimensions: scalability, adaptive and absorptive capacity, and transformative capacity.**

## IMPACT SCALABILITY

Number of impacted farmers

**171,000** farmers

*Number of farmers with access to better technologies and credits.*

Number of low and middle-income impacted farmers

**127,000** farmers

*Number of low- and middle-income farmers with access to better technologies and credit.*

## ADAPTIVE AND ABSORPTIVE CAPACITY

Loans and credit evaluation to farmers

**U$ 571** million

*Volume of credits analyzed by portfolio companies.*

Loans and credit evaluation to small and medium farmers

**U$ 423** million

*Volume of credits analyzed by portfolio companies.*

## TRANSFORMATIVE CAPACITY

Number of hectares impacted

**54 mm** hectares

*Area of producers with access to better technologies and credits, enabling the implementation of more sustainable practices.*

Volume of chemicals and fertilizer avoided

**786,000** tonnes

*Volume of chemicals and fertilizer avoided through improvements in soil health and alternative inputs.*

Shared knowledge

**436** published content

*Technical content on best agricultural practices and sustainability developed and disseminated by the invested companies.*



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# Challenges and achievements

**Juliana De Podestá**
Head of ESG and Impact at SP Ventures

"This year was a turning point for SP Ventures and our portfolio companies in the journey toward embedding ESG and impact practices. We have seen remarkable progress in fostering a stronger sense of ownership over ESG strategies among our investees, enabling them to develop tailored approaches that align with their unique realities while remaining true to the broader objectives of the fund.

One of the most rewarding aspects of 2024 was witnessing how these tailored ESG strategies translated into practical and sustainable changes. By empowering companies to take charge of their journeys, we've observed a tangible commitment to integrating responsible practices into their operations, not only as a way to mitigate risks but also as a lever for long-term growth and value creation.

In parallel, we deepened our focus on refining and expanding our social and environmental indicators, ensuring they are not only robust but also relevant to the operational context of early-stage companies. This clarity helped companies better distinguish between ESG as a foundation for responsible business practices and impact as a measurable contribution to social and environmental goals.

Another significant milestone was our advancement in the diversity agenda. Providing tools and clear indicators for tracking and fostering inclusivity has not only guided portfolio companies but also sparked meaningful engagement from founders, leading to the creation of more inclusive and equitable teams. Despite these successes, we remain aware of the challenges ahead, particularly in capturing the true impact of our portfolio companies from the perspective of their end-users. While significant progress has been made, gathering actionable insights from farmers and other stakeholders remains an area for future focus.

Looking back, 2024 reaffirmed the power of collaboration, tailored guidance, and shared learning to advance ESG and impact agendas. We remain committed to evolving our strategy, supporting our investees, and strengthening the role of ESG as a cornerstone of sustainable growth and innovation."

# Lessons **Learned**

- To optimize the fund's approach to ESG topics, it is crucial to adopt a proactive and strategic stance. This entails defining clear Key Performance Indicators (KPIs), implementing strong governance practices, and actively positioning the fund as a leader in ESG initiatives. More than highlighting the importance of integrating and monitoring ESG practices as a risk mitigation strategy, this approach also emphasizes their potential to drive long-term value creation.
- Recognizing that early-stage companies are often enthusiastic about adopting ESG and impact initiatives but may lack the necessary expertise, the fund should take an active role in providing guidance and support. By offering tailored resources, mentorship, and connections with external networks or experts, the fund can bridge the knowledge gap and empower founders to develop and implement effective ESG strategies.



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# Lessons **Learned**

- A significant gap exists between current ESG standards and methodologies and the unique needs and realities of venture capital (VC) companies. To bridge this gap, it is essential to adapt ESG materials, requirements, and expectations to better align with the specific context of VC-backed businesses. Furthermore, the fund should take an active role in raising market awareness of this misalignment, fostering a collective understanding of the need for customized ESG approaches within the venture capital ecosystem.

- Empowering investees with the autonomy to shape and adapt their ESG journey is equally critical. This flexibility fosters a sense of ownership, encouraging investees to take the lead in integrating ESG principles into their operations. By allowing investees to tailor their approach to their unique circumstances while aligning with the fund's broader ESG goals, the result is a more meaningful, practical, and sustainable impact.

# Lessons **Learned**

- To provide companies with clear guidance, it is essential to distinguish between ESG and impact pillars from the outset of their journey. By defining these concepts and their respective roles, companies can better understand that ESG is not solely about creating positive impacts but also about embedding responsible practices into their operations. This distinction lays a solid foundation for companies to simultaneously pursue meaningful social and environmental impacts while maintaining high standards of corporate responsibility across all aspects of their business.

- Developing a diversity agenda demands both prioritization and deliberate execution. Providing companies with the necessary tools and knowledge to build diverse teams is critical, while the integration of clear diversity indicators is key to guiding strategy, tracking progress, and fostering founder engagement in creating truly inclusive environments.

# Lessons **Learned**

- The definition of specific KPIs requires a new level of founder engagement to ensure these indicators align with the company's strategy. At this stage, it is essential to equip founders not only to align the strategic KPIs but also to monitor them as performance indicators. This training strengthens the sense of ownership and commitment necessary for the success of the agenda. Ownership of the ESG and Impact agenda by the company is crucial at this stage.

- Gathering feedback from farmers - the end-users of the technologies provided - is essential to accurately assess the real impact generated by portfolio companies. However, access to this information remains a significant challenge at the fund level, highlighting the need for more effective mechanisms to engage end-users and collect meaningful insights.



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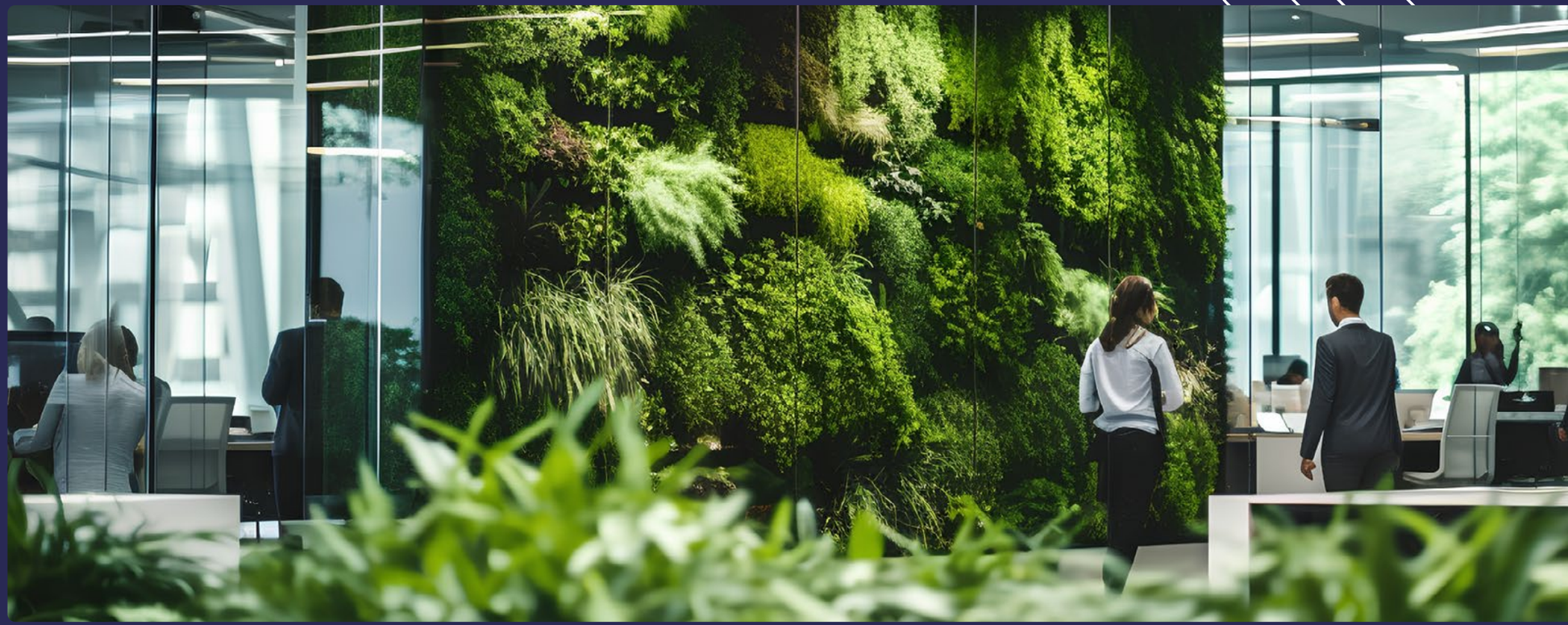
# Impact Portfolio



# GÊNICA

Through the development of innovative biological inputs, Gênica positions itself as a key catalyst for transitioning agriculture in Latin America toward regenerative and climate-resilient systems. Gênica develops innovative biological inputs that replace chemical fertilizers and pesticides, restoring soil health, reducing environmental impacts, and increasing crop resilience. Through solutions such as biofertilizers, biopesticides, and biostimulants, Gênica enables farmers to transition to sustainable, regenerative agricultural practices, fostering climate mitigation, adaptation, and productivity across diverse farming systems.

## Main Positive Impacts:

### Climate Mitigation

The reduction in the use of chemical and fertilizer significantly decreases greenhouse gas (GHG) emissions, such as nitrous oxide, while the addition of organic matter to the soil promotes carbon sequestration.

### Climate Adaptation

Gênica's biological inputs enhance crop resilience by:

- **Improving Soil Health and Resilience:** Gênica's solutions increases organic matter in the soil, improving structure, water retention, and nutrient availability, which are critical for agricultural resilience in drought-prone and degraded regions.
- **Managing Natural Pests and Diseases:** Biopesticides allow for targeted, eco-friendly pest control, reducing dependence on chemical pesticides that harm beneficial organisms and soil biodiversity.
- **Enhancing Crop Tolerance:** Biostimulants help plants withstand climate-induced stress such as extreme temperatures, droughts, and irregular rainfall patterns, protecting yields under adverse conditions.

### Productivity and Efficiency

- **Increased Crop Yields:** Improved nutrient cycling and soil health directly enhance productivity, allowing crops to thrive in degraded or marginal lands.
- **Reduction in Input Costs:** By reducing reliance on chemical fertilizers and pesticides, producers achieve cost savings while maintaining or increasing yields.
- **Efficient Use of Resource:** Puna Bio's solutions promote better water retention and nutrient availability

### Food Security and Social Inclusion

Empowerment of Small and Medium-Scale Farmers:

- Puna Bio's affordable and accessible solutions enable farmers, particularly in vulnerable regions, to improve productivity and income.
- **Stable Food Production:** By restoring soil health and increasing crop resilience, Puna Bio supports the stability of food production, addressing risks related to climate change and degraded agricultural land.
- **Restoration of Marginal Lands:** Puna Bio enables the recovery of degraded and abandoned farmland, expanding food production potential and safeguarding livelihoods in rural areas.

ALIGNMENT WITH SDGS

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SPventures

# GÊNICA

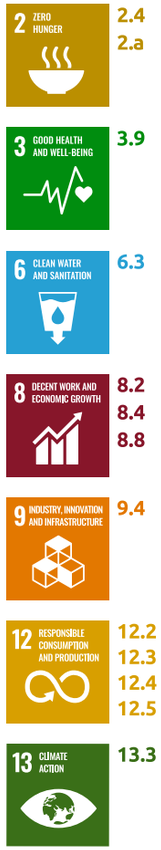
*“The use of technology for the adoption of regenerative systems.”*

With the aim of promoting and supporting the adoption of regenerative agriculture, Gênica created the Regenera program, a key component in transitioning farmers of all sizes to more sustainable agricultural practices.

The program was developed to help implement of regenerative agricultural systems and consists of four pillars: services, frequency, return on investment, along with a robust portfolio of technologies that facilitate the transition, including biological inputs, biostimulants, and cover crops. To participate in the program, farmers enters into a three-year contract. With the support of the previously mentioned pillars and the coordinated adoption of technologies, farmers improve production efficiency, increase yields, and reduce costs for agrichemical inputs. Simultaneously, there is an increase in biological diversity, enhancing pest management. In addition to direct impacts on production, regenerative systems contribute to soil health, climate resilience, and even to the reduction of greenhouse gas emissions due to increased yield and reduced losses.

The program began in 2021 and, by the end of 2024, already had clients of all sizes, ranging from small-scale farmers to large industrial groups. In 2024, we celebrated the enrollment of more than 50 producers, and more than 100,000 hectares, including both small and large operations.

ALIGNMENT WITH SDGS






SPventures

# puna.bio

Puna Bio utilizes extremophile microorganisms to regenerate degraded soils, improve crop nutrition, and enhance resilience against extreme climatic conditions such as severe drought, nutrient depletion, and high temperatures. Its advanced biological solutions restore soil health, boost productivity, and reduce dependence on chemical inputs, paving the way for a sustainable and climate-resilient agricultural future.

## Main Impacts:

### Climate Mitigation

Reduction of Greenhouse Gas Emissions: By replacing chemical fertilizers, especially nitrogen-based inputs, Puna Bio mitigates emissions of nitrous oxide, while the addition of organic matter to the soil promotes carbon sequestration.

### Climate Adaptation

- Soil Regeneration: Restoration of degraded and nutrient-depleted soils improves water retention, soil aeration, and overall structure, making land productive even under extreme conditions
- Enhanced Resilience to Climate Extremes: Puna Bio's microorganisms strengthen crops' ability to withstand temperature variations, water stress, and nutrient deficiencies, ensuring
- stable yields in challenging environments.
- Reduced Risks of Contamination : By minimizing the use of chemical input, Puna Bio reduces soil and water contamination, preserving ecosystems and biodiversity.

### Productivity and Efficiency

- Increased Crop Yields: Improved nutrient cycling and soil health directly enhance productivity, allowing crops to thrive in degraded or marginal lands.
- Reduction in Input Costs: By reducing reliance on chemical fertilizers and pesticides, producers achieve cost savings while maintaining or increasing yields.
- Efficient Use of Resource : Puna Bio's solutions promote better water retention and nutrient availability

### Food Security and Social Inclusion

- Empowerment of Small and Medium-Scale Farmers: Puna Bio's affordable and accessible solutions enable farmers, particularly in vulnerable regions, to improve productivity and income.
- Stable Food Production: By restoring soil health and increasing crop resilience, Puna Bio supports the stability of food production, addressing risks related to climate change and degraded agricultural land.
- Restoration of Marginal Lands: Puna Bio enables the recovery of degraded and abandoned farmland, expanding food production potential and safeguarding livelihoods in rural areas.

### ALIGNMENT WITH SDGS




SPventures

# puna.bio

*“Transforming Agriculture with Puna Bio’s Sustainable Nitrogen Solution”*

Nitrogen fertilizers are essential for global agriculture but come at a significant environmental cost. Approximately 50% of synthetic nitrogen fertilizer is lost as pollution, contributing to greenhouse gas emissions, soil acidification, and loss of biodiversity. Production of nitrogen fertilizers releases nitrous oxide ($N_2O$), a greenhouse gas with 273 times the impact of $CO_2$, accounting for ~approximately 2.5% of global GHG emissions.

## The Challenge

- Environmental Impact: Excess nitrogen leads to soil degradation, reduces biodiversity, and exacerbates chemical dependency cycles in farming.
- Inefficiency: Nearly half of the nitrogen applied is wasted, leading to inefficiencies and pollution.
- Economic Costs: The market for nitrogen fertilizers exceeds $100 billion globally, underscoring the economic scale of the challenge.

## Puna Bio’s Solution

Puna Bio uses extremophile microbes to develop biological alternatives to synthetic nitrogen fertilizers. These microbes thrive in harsh conditions and offer unique properties such as:

- Free Nitrogen Fixation: Converting atmospheric nitrogen into bioavailable forms.
- Ammonia Production: Providing plants with a steady source of nitrogen.
- Stress Tolerance: Thriving in extreme conditions, such as high UV radiation, extreme temperatures, and saline soils.
- Genomic Adaptability: Genetic traits linked to plant growth promotion (PGP) for scalability and effectiveness.

## Key Features of the Solution

- Diverse Application: Microbial strains optimized for crops such as wheat, barley and corn.
- Environmentally Friendly: Reduces reliance on chemical inputs and mitigates soil degradation.
- Spore Formulation: Enhances product stability and shelf life for practical agricultural use.

## Impact

- Climate Mitigation: Replacing synthetic fertilizers with Puna Bio’s biological solutions reduces $N_2O$ emissions and lowers GHG impacts.
- Soil Health: Improves soil biodiversity and structure, reversing the damage caused by synthetic fertilizers.
- Economic Benefits: Reduces input costs for farmers while offering a sustainable alternative.
- Carbon Footprint Reduction: Helps farmers reduce the carbon footprint of their crops and potentially access differentiated markets willing to pay higher prices for sustainable products.

Puna Bio’s nitrogen solution exemplifies innovation at the intersection of science and sustainability. By replacing synthetic nitrogen fertilizers with extremophile-based alternatives, the company addresses environmental, economic, and agricultural challenges. This groundbreaking approach has the potential to transform global agriculture into a more resilient and sustainable system.

### ALIGNMENT WITH SDGS




SPventures

# decoy

Decoy develops and distributes innovative biopesticides that replace chemical-based pest control solutions, directly enhancing productivity and animal welfare in the livestock sector. By reducing reliance on synthetic inputs, Decoy enables a more sustainable and resource-efficient livestock value chain, fostering climate mitigation and adaptation while protecting ecosystems and communities.

## Main Impacts:

### Climate Mitigation

- Reduction in the use of Chemical : Decoy's biopesticides minimize the use of conventional pesticides, cutting emissions associated with their production and application.
- Lower Carbon Footprint: Decoy's products promote natural pest control, reducing the environmental impact of farming operations and decreasing the amount of chemical residues in the soil and water.

### Climate Adaptation

- Enhanced Animal Health and Productivity: By providing effective biological alternatives, Decoy reduces pest-induced stress and diseases in livestock, improving overall productivity and resilience.
- Resource Efficiency: Decoy's solutions require less water and energy to be produced compared to traditional chemicals, fostering climate-smart agriculture.

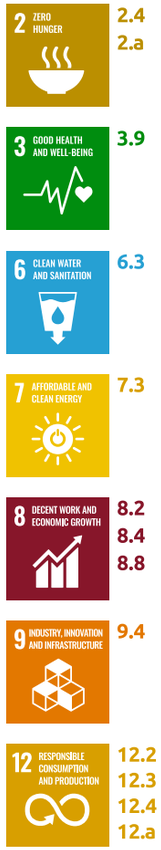
### Productivity and Efficiency

- Reduced Soil and Water Contamination: Biopesticides eliminate harmful chemical residues, protecting soil microbiota, water resources, and biodiversity.
- Waste Reduction: Decoy facilitates the safe disposal of pest-affected food, minimizing food loss and creating a cleaner, circular livestock value chain.

### Food Security and Social Inclusion

- Improved Livestock Productivity: Healthier animals contribute to higher yields in dairy and meat production, enhancing food security and economic stability.
- Protection of Communities and Workers: Biopesticides reduce exposure to harmful chemicals for producers, consumers, and communities, ensuring safer working and living environments.

**ALIGNMENT WITH SDGS**






SPventures

# agrolend

Agrolend is a pioneering Brazilian fintech that fosters inclusivity in agribusiness by providing accessible and efficient credit solutions tailored for medium-scale producers. By combining financial innovation with best agricultural practices, Agrolend accelerates the adoption of sustainable technologies, boosts productivity, and strengthens climate resilience within rural communities.

## Main Impacts:

### Climate Mitigation

Adoption of Climate-Smart Technologies: Agrolend facilitates investments in modern and sustainable equipment and practices, reducing greenhouse gas emissions through more efficient use of resources.

### Climate Adaptation

- Greater Resilience of Small-Scale Producers: Agrolend's credit solutions empower farmers to invest in irrigation systems, drought-resistant seeds, and other adaptive technologies, enhancing resilience to climate variability.
- Efficient Resource Management: Financing precision agriculture tools helps optimize the use of water, fertilizers, and land, protecting farms from climate-induced stress.

### Productivity and Efficiency

- Improved Access to Best Practices: Agrolend integrates provision of credit with capacity-building, ensuring the adoption of sustainable agricultural practices that restore soil health and increase yields.
- Enhanced Financial Inclusion: Small and medium-scale producers gain access to fast, bureaucracy-free credit, enabling them to improve operational efficiency and competitiveness.
- Reduction of Post-Harvest Losses: Producers financed by Agrolend invest in technologies that minimize food loss, ensuring more efficient and resilient production systems.

### Social and Economic Inclusion

- Empowerment of Rural Communities: Agrolend fosters rural development by democratizing access to capital, boosting incomes, and improving the livelihoods of small and medium-scale producers.
- Promotion of Fair Labor and Environmental Compliance: Rigorous evaluation processes ensure that credit is directed to producers who adhere to best practices, safeguarding ethical and environmental standards.
- Demarginalization of Producers: By reducing financial barriers, Agrolend promotes the integration of underserved farmers into value chains, strengthening their economic participation.

### ALIGNMENT WITH SDGS

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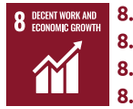

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SPventures

# traive

Traive revolutionizes agricultural financing by providing an AI-driven credit assessment platform that enables financial institutions and investors to offer reliable, ESG-aligned credit solutions. By combining advanced technology with robust evaluations, Traive ensures that credit reaches producers adhering to best practices and sustainable standards. This empowers producers to adopt climate-resilient technologies, optimize management practices, and enhance productivity, driving economic inclusion and environmental sustainability.

## Main Impacts:

### Climate Mitigation

Promotion of Low-Carbon Agriculture: By enabling access to credit for investments in sustainable technologies, such as precision agriculture, renewable energy systems, and alternative inputs, Traive supports the reduction of greenhouse gas emissions.

### Climate Adaptation

Resilience to Climate Variability: Traive facilitates financing for tools like irrigation systems, drought-tolerant seeds, and soil health technologies, helping farmers adapt to changing climatic conditions.

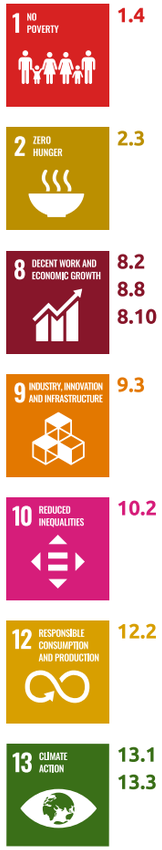
### Sustainability and Productivity

- ESG-Aligned Credit Assessments: Traive's platform evaluates producers' compliance with environmental, social, and governance (ESG) criteria, ensuring that credit flows to responsible and sustainable operations.
- Streamlined Financial Decision-Making: By leveraging AI to deliver rapid and accurate credit analysis, Traive reduces risks for lenders, improves governance, and enhances the efficiency of capital allocation.
- Boosting Agricultural Productivity: Producers who receive ESG-vetted credit can invest in technologies that improve yields, reduce input costs, and promote long-term sustainability.

### Food Security and Social Inclusion

- Empowerment of Underserved Producers: Traive's technology enables financial institutions to offer credit to small and medium-scale producers, normally excluded from formal credit systems.
- Rural Development and Financial Inclusion: By connecting responsible producers with credit opportunities, Traive supports rural economies, job creation, and income growth.
- Reduction of Financial Risks: Through its thorough evaluation process, Traive minimizes risks for lenders, facilitating reliable credit flows to producers who adhere to ethical and environmental practices.

**ALIGNMENT WITH SDGS**






SPventures

traive

*“Growth Next-Generation Agriculture (GAN) - Traive and The Lab”*

Traive, in collaboration with The Lab and Instituto Folio, launched the Growth Next-Generation Agriculture (GAN) project, a credit fund designed to accelerate the adoption of regenerative agriculture in Brazil. GAN bridges the financing gap for bioinput SMEs and farmers, leveraging Traive’s AI-powered platform to unlock credit, mitigate risks, and promote sustainable practices.

## The Challenge

Despite growing four times faster in Brazil than the global average, bioinputs only account for only 3% of grain production costs due to:

- Limited Access to Credit for SMEs and farmers.
- High Costs to Transition to sustainable practices.
- Fragmented Financial Ecosystems that inflate credit costs.

## GAN’s Solution

GAN invests in asset-backed securities (ABSs) linked to purchases of bioinputs, enabling credit access while managing risks. The initiative combines:

- Risk Analytics: Traive’s platform ensures low default rates and competitive credit.
- Tailored Financing: Credit solutions for SMEs and farmers adopting bioinputs.
- Technical Assistance: Training and soil health monitoring via Instituto Folio.

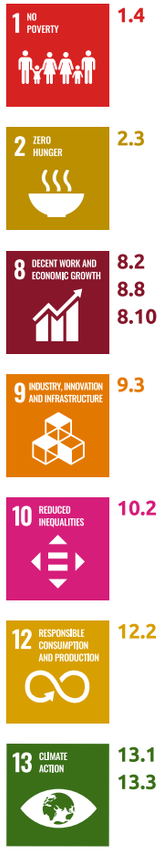
## Impact

GAN drives sustainable agriculture and climate resilience by focusing on:

- Transitioning 2 million hectares to regenerative practices.
- Avoiding 1,000 tons of chemical inputs.
- Benefiting 2,000 farmers, ensuring inclusivity.

GAN exemplifies how fintech and regenerative agriculture converge to foster climate resilience and economic inclusion. By unlocking credit and supporting bioinputs, Traive and The Lab are reshaping Brazil’s agricultural landscape for a sustainable future.

**ALIGNMENT WITH SDGS**






SPventures

Verqor provides a holistic fintech solution that facilitates access to credit for small and medium-scale producers, empowering them to adopt sustainable and regenerative agricultural practices. By combining innovative financial services with a focus on climate resilience, Verqor reduces barriers to credit, promotes best agricultural practices, and enables producers to thrive in the face of climate challenges.

## Main Impacts:

### Climate Mitigation

- Reduction of Greenhouse Gas Emissions: By financing regenerative agricultural practices, Verqor supports the adoption of techniques that reduce emissions, such as optimized use of fertilizers, cover cropping, and reduced soil tillage.
- Transition to Low-Carbon Inputs: Verqor facilitates investments in alternative inputs, such as biological fertilizers, which help reduce the environmental footprint of farming operations.

### Climate Adaptation

- Greater Resilience to Climate Risks: By enabling access to credit, Verqor empowers producers to invest in technologies such as drought-resistant crops, water-efficient irrigation systems, and soil regeneration practices.
- Improved Resource Efficiency: Producers benefit from tools and technologies that optimize the use of water and nutrients, strengthening their ability to withstand climate variability.

### Sustainability and Productivity

- Promotion of Regenerative Agriculture: Verqor actively supports producers adopting practices that restore soil health, increase biodiversity, and ensure long-term productivity.
- Improved Access to Technologies: With simplified and fast access to credit, producers can invest in modern tools, precision agriculture, and sustainable inputs, improving yields and reducing costs.
- Reduce waste of inputs: Access to tailored financing allows producers to optimize the use of inputs, avoiding inefficiencies that are harmful to the environment.

### Economic and Social Inclusion

- Empowerment of Small and Medium-Scale Producers: Verqor removes bureaucratic hurdles, providing underserved producers with access to credit for the first time, enabling them to participate in larger value chains.
- Increased Farmer Incomes: By adopting best practices and efficient technologies, producers experience higher productivity and profitability.
- Support for Vulnerable Communities: Verqor's solutions focus on building resilience for producers most affected by climate change, ensuring economic stability and food security in rural regions.

**ALIGNMENT WITH SDGS**

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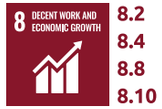

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*“Socias Verqor – Empowering Rural Women in Mexico.”*

Small and medium-scale agricultural producers in Mexico face structural challenges such as limited access to technology, credit, and efficient markets. Rural women face additional barriers, including unpaid labor, limited land ownership, and restricted financial independence. Verqor launched the Socias Verqor program to address these issues by providing rural women with the skills and tools to act as community leaders and financial mentors. This initiative focuses on enabling women to connect farmers with credit solutions while generating income and addressing gender inequality.

The program provided six interactive sessions covering skills that empower participants to overcome barriers, improve their livelihoods, and drive sustainable change in their regions

- **Financial Education:** Basics of budgeting, savings, and investment.
- **Digital Skills:** Tools for financial transactions.
- **Leadership:** Building trust and credibility within communities.
- **Sales Techniques:** Active listening and customer engagement.
- **Sustainable Partnerships:** Building resilient community networks.

## Pilot Outcomes

Eight women from rural municipalities completed the program.

- Impact:100% reported significant improvement in financial and leadership skills.
- 88% improved their sales abilities.
- 100% would recommend the program to peers.

Next Steps: In 2025, Verqor plans to scale the program to new regions in Mexico. Enhancements include accessible digital tools, continuous mentorship, refined financial products for gender-specific needs, and impact measurement indicators.

## Vision

The Socias Verqor program aims to foster financial inclusion, empower women, and drive sustainable change in rural Mexico, building a network of female leaders who bridge the gap between farmers and financial resources. This initiative showcases Verqor’s commitment to innovation and inclusion, transforming rural economies while addressing gender.

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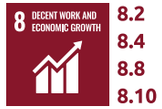

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# aegro

Aegro empowers farmers by digitizing of farm management, thus enabling producers to optimize operations, reduce costs, and adopt sustainable practices. By providing a comprehensive platform for financial, operational, and inventory management, Aegro promotes resource efficiency, climate resilience, and smarter decision-making, ensuring long-term sustainability for small and medium-scale producers.

## Main Impacts:

### Climate Mitigation

- Reduction of Greenhouse Gas Emissions: By improving input use efficiency (fertilizers, pesticides, and energy), Aegro helps producers minimize waste and reduce emissions associated with overapplication.
- Sustainable Land Management: Aegro's tools enable producers to optimize land use, promote crop rotation, and adopt regenerative agricultural practices that sequester carbon and improve soil health.

### Climate Adaptation

Efficient Use of Resources: Tools for irrigation, inventory, and input management reduce the use of water, energy, and chemicals, building resilience to droughts, rising temperatures, and unpredictable rainfall.

### Sustainability and Productivity

- Optimized Farm Management: Aegro's platform streamlines agricultural planning, operational monitoring, and inventory control, increasing farm efficiency and productivity while lowering costs.
- Reduction Waste of Inputs: Precision in planning and usage reduces overapplication of fertilizers and pesticides, ensuring better outcomes with minimal environmental impact.
- Promotion of Sustainable Practices: Aegro fosters the adoption of sustainable agricultural strategies, improving soil health, reducing erosion, and enhancing long-term productivity.

### Economic and Social Inclusion

- Empowerment of Small and Medium-Scale Producers: By democratizing access to digital tools, Aegro enhances competitiveness and financial stability for small and medium-scale farmers.
- Financial Management: Aegro's platform simplifies financial planning, helping farmers secure credit, optimize budgets, and invest in climate-smart technologies.
- Knowledge Sharing and Capacity Building: Aegro provides data-driven insights, enabling producers to make informed decisions, enhance knowledge, and build more resilient agricultural systems.

**ALIGNMENT WITH SDGS**




SPventures

# Leaf

Leaf revolutionizes farm and operation management through an integrated digital platform that connects multiple agricultural technologies, enabling seamless data integration and enhancing the efficiency of tools already adopted by producers. By centralizing and streamlining data flows, Leaf supports sustainable practices, fosters operational efficiency, and facilitates climate resilience across the agricultural value chain.

## Main Impacts:

### Climate Mitigation

- Reduction of Greenhouse Gas Emissions: By improving data interoperability, Leaf enhances the efficiency of precision agriculture technologies, optimizing the use of resources and reducing emissions associated with excessive input application.
- Support for Carbon Sequestration: Leaf enables data consolidation for carbon credit verification, promoting regenerative practices that enhance soil carbon storage.

### Climate Adaptation

- Optimized Use of Climate-Smart Tools: By acting as a bridge between agricultural technologies, Leaf ensures farmers maximize the potential of tools such as precision irrigation, weather forecasting, and nutrient management systems, fostering more efficient use of resources and resilience to climate variability.
- Facilitation of Resource Management: Leaf supports improved decision-making by connecting data from multiple systems, ensuring resources such as water, energy, and inputs are utilized more effectively under varying climate conditions.

### Sustainability and Productivity

- Centralized Data Management: Leaf simplifies the integration of tools across farm operations, improving efficiency in crop monitoring, route planning, and inventory management, while reducing costs.
- Enhanced Data Traceability: The platform ensures robust traceability across the supply chain, enabling compliance with sustainability standards and certifications.

### Economic and Social Inclusion

- Empowering Agricultural Ecosystems: By connecting multiple technologies, Leaf enhances the accessibility and scalability of advanced tools, indirectly benefiting small and medium-scale producers by improving the efficiency of systems.
- Supporting Efficient Decision-Making: The platform equips agribusiness stakeholders with comprehensive, integrated data, improving operational governance and resource allocation.

**ALIGNMENT WITH SDGS**




SPventures

# verge

Verge revolutionizes farm machinery operations by providing cutting-edge route optimization technology that reduces fuel consumption, time, and use of inputs. By streamlining the movement of machinery on farms, Verge helps producers achieve cost savings, reduce environmental impacts, and improve overall productivity while fostering sustainable agricultural practices.

## Main Impacts:

### Climate Mitigation

- Reduction of Greenhouse Gas Emissions: By optimizing routes, Verge minimizes fuel consumption, reducing carbon emissions associated with farm machinery operations.
- Efficient Use of Resources: Improved machinery operations reduce unnecessary inputs, such as fertilizers and pesticides, indirectly lowering emissions from the production and application of chemicals.

### Sustainability and Productivity

- Enhanced Soil Preservation: Reduced machinery overlap and compacting improve soil structure, maintaining its fertility and resilience.
- Precision in the Use of Inputs: Verge's technology ensures a more efficient application of inputs, avoiding overuse and environmental contamination.
- Increased Productivity: Streamlined operations lead to better use of resources and improved overall farm output.

### Cost and Resource Efficiency

- Lower Operating Costs: Route optimization reduces fuel and input costs, leading to significant savings for producers.
- Time Savings: Automated and efficient routing decreases time spent on machinery operations, allowing producers to focus on other critical tasks.

### Environmental and Social Impact

- Sustainable Farm Practices: By reducing emissions, use of fuel, and soil degradation, Verge supports long-term sustainability goals for agriculture.
- Empowerment of Producers: Verge enhances autonomy for farmers by providing tools to make smarter operational decisions and adopt more sustainable practices.

**ALIGNMENT WITH SDGS**




SPventures

# AGROADVANCE

Agroadvance is a leading EdTech platform dedicated to training professionals and farmers in agribusiness, emphasizing sustainable practices and productivity. By providing targeted courses and practical tools, Agroadvance bridges knowledge gaps in the sector, professionalizing the workforce, enhancing operational efficiency, and fostering climate resilience.

## Main Impacts:

### Climate Mitigation

- Reduced Misuse of Agrochemicals: Training promotes the responsible application of inputs such as fertilizers and pesticides, reducing emissions and contamination risks.
- Promotion of Low-Impact Agriculture: Agroadvance equips producers with knowledge of practices that minimize environmental footprints, including regenerative and precision agriculture techniques.

### Sustainability and Productivity

- Professionalization of the Agribusiness Workforce: Agroadvance enhances the skills and knowledge of producers, agronomists, and field professionals, increasing efficiency and productivity across the sector.
- Knowledge Dissemination: A wide portfolio of courses and materials supports the adoption of innovative and sustainable agricultural practices.
- Cost Reduction and Efficiency Gains: Training in operational and management optimization reduces input costs while improving yields.

### Sustainability and Productivity

- Resilience to Climate Risks: Courses empower farmers to implement climate-smart practices such as water management, soil conservation, and adaptive crop strategies to address climate variability.
- Optimization Use of Resources: Through professional training, Agroadvance enables efficient use of land, water, and inputs, reducing waste and ensuring sustainable production in challenging conditions.

### Social and Economic Inclusion

- Workforce Inclusion and Development: Agroadvance creates pathways for individuals to enter the agribusiness sector, promoting career development and economic growth in rural areas.
- Support for Small and Medium-Scale Producers: By democratizing access to advanced agricultural knowledge, Agroadvance empowers small-scale producers to adopt competitive and sustainable practices.

**ALIGNMENT WITH SDGS**

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SPventures

# Agrofy

Agrofy is a leading digital marketplace designed to enhance competitiveness and inclusivity in the agricultural sector. By connecting producers with suppliers through an integrated platform, Agrofy promotes transparency, simplifies procurement, and fosters a more equitable and efficient supply chain. Its innovative approach empowers small and medium-scale producers, reduces inefficiencies, and drives the adoption of sustainable practices.

## Main Impacts:

### Climate Mitigation

- Reduction of Carbon Emissions: By centralizing transactions and reducing the need for travel between suppliers and buyers, Agrofy lowers emissions associated with transportation.
- Support for Sustainable Inputs: The platform promotes access to environmentally friendly products, encouraging the adoption of low-impact agricultural practices.

### Productivity and Competitiveness

- Enhanced Decision-Making: Producers can easily compare products and suppliers, ensuring informed decisions that optimize operations and costs.
- Access to Advanced Technologies: By connecting farmers with a wide range of suppliers, Agrofy supports the adoption of modern tools and equipment that improve productivity.

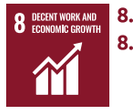
### Efficient and Fair Supply Chains

- Elimination of Intermediaries: Agrofy's platform reduces supply chain inefficiencies, enabling direct transactions between producers and suppliers at competitive prices.
- Equitable Market Access: Small and medium-scale producers benefit from the platform's transparency, fostering a level playing field in accessing products and services.
- Time and Cost Savings: Centralized purchasing minimizes the time and effort required for procurement, allowing producers to focus on farming activities.

### Social and Economic Inclusion

- Empowerment of Small-scale Producers: The platform provides small and medium-scale farmers with access to high-quality inputs and competitive pricing, promoting their participation in the value chain.
- Data Security and Governance: Robust internal governance ensures the protection of user data and fosters trust within the marketplace ecosystem.

**ALIGNMENT WITH SDGS**

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SPventures

# arado

Arado is a cutting-edge supply chain platform that digitalizes, optimizes, and disintermediates the relationships between small and medium-scale fruit and vegetable producers and the food service industry. By eliminating unnecessary intermediaries, Arado enhances supply chain efficiency, reduces food loss, and promotes fair market conditions, fostering a more inclusive and sustainable food system.

## Main Impacts:

### Climate Mitigation

- Reduction of Greenhouse Gas Emissions: By optimizing logistics and transportation, Arado minimizes fuel consumption and reduces carbon emissions associated with traditional supply chains.
- Less Food Waste: The platform's streamlined supply chain significantly reduces food loss, lowering emissions from wasted production and decomposing organic matter.

### Efficient and Fair Supply Chains

- Disintermediation: Arado removes costly intermediaries, creating direct connections between producers and buyers, ensuring better prices and market access for small and medium-scale producers.
- Transparent and Traceable Operations: The digital platform facilitates traceability, enhancing accountability and reliability across the supply chain.

### Sustainability and Accessibility

- Affordable Quality Food: By reducing inefficiencies, Arado ensures that high-quality, fresh produce reaches consumers at more affordable prices.
- Optimized Logistics: The platform improves transportation routes and storage processes, reducing delays and ensuring the timely delivery of fresh products.
- Improved Use of Resources: Reduced food loss and more efficient logistics decrease the environmental footprint of food production and distribution.

### Social and Economic Inclusion

- Empowerment of Small-scale Producers: Arado facilitates market access for small-scale farmers, enabling them to achieve better financial returns and compete more effectively.
- Support for Vulnerable Communities: By reducing food loss and improving distribution, Arado contributes to greater food security and economic stability for underserved populations.
- Strengthened Market Dynamics: The platform fosters a fair and inclusive market, benefiting producers, buyers, and consumers.

**ALIGNMENT WITH SDGS**

- 2 ZERO HUNGER — 2.3
- 8 DECENT WORK AND ECONOMIC GROWTH — 8.2, 8.3, 8.8
- 10 REDUCED INEQUALITIES — 10.2
- 11 SUSTAINABLE CITIES AND COMMUNITIES — 11.a
- 12 RESPONSIBLE CONSUMPTION AND PRODUCTION — 12.3, 12.5
- 13 CLIMATE ACTION — 13.3



SPventures

# erural

E-Rural is a pioneering platform that digitizes the buying and selling process for livestock and genetics, bringing greater governance, efficiency, and inclusivity to the sector. By leveraging technology, E-Rural eliminates the need for physical transportation of animals to auctions, thus reducing costs, emissions, and risks, while enhancing animal welfare and fostering best practices across the value chain.

## Main Impacts:

### Climate Mitigation

- Reduction of Greenhouse Gas Emissions: By avoiding unnecessary transportation of livestock, E-Rural decreases emissions associated with logistics and fuel consumption.
- Efficient Use of Resources: Digital transactions minimize energy and resource-intensive activities, contributing to a lower environmental footprint.

### Improved Governance and Transparency

- Enhanced Transaction Security: The platform ensures reliable and transparent transactions, reducing fraud and fostering trust between buyers and sellers.
- Encouragement of Best Practices: By incorporating due diligence and compliance standards, E-Rural promotes responsible practices within the livestock sector.

### Cost Reduction and Efficiency

- Lower Costs for Producers: Digitalization reduces expenses associated with transport, insurance, and weight loss in animals, delivering significant cost savings for farmers.
- Time Savings and Accessibility: By removing logistical barriers, producers can complete transactions more quickly and safely.

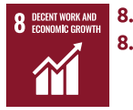
### Animal Welfare

- Reduced Stress and Health Risks: Eliminating the need for physical transportation to auctions prevents animal stress, injuries, and exposure to diseases.
- Improved Livestock Conditions: E-Rural fosters better handling practices, ensuring healthier animals and higher-quality transactions.

### Social and Economic Inclusion

- Empowerment of Small and Medium-Scale Producers: By democratizing access to advanced digital tools, E-Rural levels the playing field for small-scale producers, increasing their competitiveness.
- Expansion of Market Opportunities: The platform connects producers with a broader range of buyers, fostering inclusive growth within the livestock sector.

**ALIGNMENT WITH SDGS**

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SPventures

goFlux is a digital freight contracting platform that enhances transparency, efficiency, and sustainability in road logistics. By connecting shippers and carriers, goFlux fosters fair competition, reduces informality, and promotes safer and more efficient freight operations, driving positive environmental, social, and governance (ESG) outcomes.

## Main Impacts:

### Climate Mitigation

- Carbon Footprint Offset: The platform facilitates the reduction and neutralization of $CO_2$ emissions in freight operations through certified offset programs.
- Efficient Freight Management: By digitalizing logistics, goFlux minimizes unnecessary trips and promotes more sustainable transport practices.

### Governance and Transparency

- Fair and Secure Transactions: The platform ensures transparency and fairness in freight negotiations, eliminating informal practices and fostering compliance with ethical standards.
- Data Governance: With strong governance practices, goFlux guarantees secure and reliable operations, building trust within the logistics ecosystem.

### Social and Environmental Impact

- Support for Social Programs: goFlux actively engages in initiatives to promote social awareness and improve working conditions for truck drivers and carriers.
- Empowerment of Carriers: The platform supports small and medium-scale carriers, enhancing their competitiveness and access to resources.

### Economic and Operational Efficiency

- Cost and Time Savings: Automation and streamlined processes reduce inefficiencies, leading to more affordable logistics for shippers and carriers.
- Improved Safety: By fostering fair and transparent operations, goFlux contributes to safer working conditions in freight transport.

### Sustainability in Logistics

- Environmentally Conscious Operations: The platform promotes sustainable practices in logistics, ensuring alignment with broader environmental goals.
- Waste Reduction : Digital tools reduce paper use and streamline processes, minimizing the environmental impact of operations.

**ALIGNMENT WITH SDGS**

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SPventures

goFlux

## ALIGNMENT WITH SDGS

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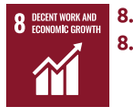

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# *“goFlux carbonFree - Transforming Agricultural Logistics Through Sustainability”*

goFlux, a company operating in the agricultural inputs sector, has achieved remarkable results through its partnership with the carbonFree program. Over two years, the company successfully offset more than 6,000 tCO2e, positioning itself as a leader in sustainable logistics practices.

## The Challenge

With increasing demand for sustainable practices in the agricultural sector, goFlux faced the challenge of reducing its carbon footprint while maintaining operational efficiency and client satisfaction. The company sought to adopt innovative approaches that aligned with ESG principles and set new standards in logistics sustainability.

## The Solution

**1. ESG-Driven Strategy -> goFlux integrated sustainability across the three ESG pillars:**

- Environmental: By neutralizing significant amounts of CO2e emissions, the company contributed to the preservation of large forested areas.
- Social: Initiated socio-environmental projects to support local communities while enhancing client perceptions of its environmental commitment.
- Governance and Reputation: Strengthened its reputation as a sustainability leader, attracting new clients and partners who value environmental responsibility.

**2. Operational Improvements**

- Through sustainable practices and advanced logistics control, goFlux achieved:
- An increase in CIF freight participation from 5% to 23% of operations.
- Implementation of a rigorous partner approval process, complemented by a rewards program to promote operational excellence.
- Establishment of new efficiency and sustainability benchmarks in agricultural logistics.

**3. Innovation and Technology**

As the first agricultural sector company to neutralize carbon emissions in the transportation of inputs, goFlux leveraged advanced technology certified internationally. This included:

- Cutting-edge tools for tracking and calculating CO2e emissions.
- Route optimization and efficient partner management to minimize environmental impact.

## Results and Impact

**1. Environmental Impact**

- Offset over 6,000 tCO2e through carbon neutral practices.
- Enhanced environmental sustainability, contributing to forest preservation and reducing the company’s carbon footprint.

**2. Operational and Reputational Impact**

- Elevated operational efficiency through advanced logistics control.
- Strengthened client and stakeholder trust by positioning itself as a benchmark for sustainability in agricultural logistics.

**3. Industry Leadership**

- goFlux’s pioneering efforts set new standards in the agricultural sector for sustainability and innovation.
- The company now serves as a role model for integrating ESG principles into logistics practices.

Through a strategic focus on ESG, innovation, and operational excellence, goFlux has successfully transformed its logistics operations into a model of sustainability. Its commitment to carbon neutrality, advanced technology, and socio-environmental responsibility not only addresses global challenges but also positions the company as a leader in the agricultural inputs sector. goFlux carbonFree demonstrates how integrating ESG principles and innovative technologies can drive both business success and meaningful.



SPventures

# MOSS

Moss is a leading provider in the carbon market, committed to enhancing transparency, traceability, and accountability in carbon credit solutions. By offering credits from conservation and restoration projects, Moss supports global efforts to combat climate change, preserve biodiversity, and foster sustainable development in vulnerable communities.

## Main Impacts:

### Climate Mitigation

- Carbon Credit Solutions: Moss provides high-quality carbon credits that directly contribute to reducing of greenhouse gas emissions and support global climate goals.
- Preservation of Ecosystems: Conservation and restoration projects managed by Moss prevent deforestation and ensure the sustainable use of natural resources.

### Biodiversity Protection

- Conservation of Fauna and Flora: Moss's projects safeguard biodiversity by protecting critical habitats and species at risk of extinction.
- Sustainable Land Management: Initiatives promote responsible land use that balances ecological preservation with local development.

### Community Development

- Support for Vulnerable Communities: Moss engages with local communities in its project areas, creating economic opportunities and improving living conditions through conservation-related activities.
- Education and Awareness: By fostering community engagement, Moss raises awareness of climate change and sustainable practices, empowering individuals to take action.

### Governance and Credibility

- Traceability of Carbon Credits: Moss ensures the integrity of its carbon credits through rigorous standards and certifications, offering reliable and verifiable solutions for businesses and individuals.

### Sustainability and Social Impact

- Forest Conservation: Moss protects significant areas of forest, contributing to global efforts to mitigate climate change and preserve biodiversity.
- Holistic Approach to Impact: By combining environmental conservation with community development, Moss maximizes the social and ecological benefits of its initiatives.

**ALIGNMENT WITH SDGS**

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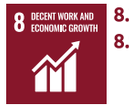

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SPventures

# Frizata®

Frizata transforms the food supply chain by eliminating intermediaries, making quality, healthy, and affordable food more accessible to consumers. By streamlining logistics and reducing inefficiencies, Frizata minimizes food waste, mitigates climate impact, and enhances traceability and transparency throughout the value chain, promoting a sustainable and inclusive food system.

## Main Impacts:

### Climate Mitigation

- Reduced Carbon Footprint: By optimizing logistics and shortening the supply chain, Frizata lowers emissions related to transportation and storage.
- Minimized Food Waste: Improved inventory management and direct-to-consumer delivery reduce waste at every stage of the value chain.

### Food Safety and Quality

- Enhanced Traceability: Frizata's streamlined operations ensure better monitoring of food safety and product quality, reducing risks for consumers.
- High-Quality Standards: Direct control over production and distribution ensures consistency and higher standards in the final product.

### Affordable and Inclusive Food Access

- Affordable Prices: Frizata removes intermediaries, ensuring cost savings are passed on to consumers, making high-quality food affordable for more people.
- Democratization of Healthy Food: The platform ensures wider access to nutritious and sustainable food options.

### Sustainability and Efficiency

- Reduction Use of Resources: Frizata's efficient operations decrease reliance on energy and resources typically required for extensive supply chains.
- Efficient Waste Management: By treating and managing effluents, Frizata reduces their environmental impacts and promotes sustainable practices.

**ALIGNMENT WITH SDGS**


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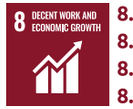


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SPventures

# What's **Next**

**Francisco Jardim**
General Partner at
SP Ventures

**Juliana De Podestá**
Head of ESG and
Impact at
SP Ventures

**Felipe Guth**
Partner at
SP Ventures

*"We believe that the ESG Journey is a continuous act of growth for SP Ventures and its portfolio."*

## THE JOURNEY CONTINUES...

Building on the progress of 2024, SP Ventures is committed to taking another leap in maturity as a fund and as a portfolio. Recognizing the unique challenges and opportunities in the venture capital ecosystem, our focus for 2025 will be on three critical areas:

- **Farmer-Centric Impact Assessment:** Developing mechanisms to evaluate the real impact of our portfolio companies on the lives of farmers, emphasizing tangible benefits such as productivity, resilience, and livelihood improvements.
- **Evolving Impact Maturity:** Supporting our entrepreneurs in advancing their ability to measure, track, and report meaningful impact metrics, ensuring alignment with global best practices.
- **Monetizing Impact:** Exploring innovative ways to quantify and monetize the social and environmental impacts of our entire portfolio, demonstrating to stakeholders the tangible value of sustainability efforts.

As we move forward, we aim to strengthen our role as a catalyst for transformation in the agribusiness sector by fostering ESG leadership within our portfolio, driving impactful solutions, and continuing to lead by example.

Looking ahead to 2025, we remain steadfast in scaling our commitment to the ESG agenda and amplifying the positive impacts of our actions and investments, both for current and future companies.

SPventures


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