Fast Facts Rizoma

- Regenerative organic crop/livestock/fruit production company
- Based out of São Paulo, Brazil
- Spun-off from Fazenda da Toca (Brazil’s largest organic eggs producer)
- Started research in 2013, company born 2018
- 18/19 1st year production ~ 5,000 tons soy/corn 1000 cattle
- 19/20 target 25,000 tons ~ 6,000 cattle
- Adolescence in 5 years ~ 100,000 hectares (soy/corn/cattle/fruit/diverse crops/“real food”)
- Maturity in 10 years ~ 160,000 hectares
- Vision: 1 million hectares of regenerative organic agriculture in Brazil
There’s a way to farm that is good for the environment and very profitable.
Regenerative Organic agriculture:

- **ecologically conscious**
  - retains water
  - sequesters carbon
  - builds biodiversity

- **humane handling**

- **socially responsible**

- **economically viable**

• Cover Crops
• Low/no till
• Integrated systems
• Strong soil biology
Brazil

Total area 851 MILLION HECTARES

Productive land 280 MILLION HECTARES

Row crops
SOY AND CORN
40 MILLION HECTARES

Pastures
170 MILLION HECTARES
Integrated Crop-Livestock-Forestry (summer)

- Carbon fixing
- Water retention
- Biodiversity building

\[ \text{CO}_2 \text{CH}_4 \text{H}_2 \text{O} \]

FORAGE

ROW CROPS

\[ \text{CO}_2 \text{CH}_4 \text{H}_2 \text{O} \]
In winter, diverse grass covers the field for protection and foraging.
PLANT DIVERSITY + APPROPRIATE STEWARDSHIP

OPTIMAL PHOTOSYNTHESIS

ORGANIC SYSTEM + COVER CROPS

Carbon fixing
Water retention
Biodiversity building

Maximal carbon sequestration potential
Optimal soil life conditions

Agroforestry
Renegerative Organic Systems

- Uses 30% of land
- Sequesters carbon
- Has 15%+ expected IRR
Case Results

Regenerative Crop Rotation
(Corn/Brachiaria Grass)
96 hectares
5 years

12tons CO2eq/Ha/Year
SOC 1.3% (2013) -> 1.6% (2018) - 15 reps
Case Results

Agroforestry (Acacia, Eucalyptus, Mango, Banana, Brazilian Grapetree, Bracchiaria Grass)
5 hectares
4 years

79tons CO2eq/Ha/Year
SOC 0.9% (2013) -> 2.4% (2017) – 3 reps
Scaling Up

Crop Rotation
Soy/Wheat/Soy/Corn/Beans
Crotalaria/Millet/Corn/Grass
1000 hectares

Agroforestry
Limes/Iams/Cassava/Cedar/
Mahogany/Erythrina/Gliricidia/
Brazilian Firetree/Shimbillo)
57 hectares

Silvopastoral
Mexican Sunflower/River
Tamarind/Guinea
Grass/Cratylia/Avocado/Cassava)
44 hectares
Sequestration Targets

17k tons CO2eq/year in aprox 1100 hectares.
### Our Path

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#### Programs

- **Family and Smallholder Co-Operation Program 100,000 HA**
- **Medium/Large Farmer Co-Operation Program 800,000 HA**
- **Own and Operated Farms Stages 1, 2, 3 and 4 (Fruits, row crops, cattle, real food) 161,100 HA**
- **Own Farms Stage 0 (Fruits) 250 HA**

*In hectares (ha) 1 hectare ≈ 2.5 acres*
Global R&D Network Concentration Areas

- Biologicals
- Mechanization
- Soil Health
- Operations + Monitoring

In cooperation with leading farming institutes/universities.
Streamlining

Fluid investment vehicle for professional investors
Unlocking new credit opportunities
Developing large scale systems
Working with off-take partners worldwide
Core Team Rizoma

**Pedro Diniz**  Co-founder
Entrepreneur, investor and CEO at Fazenda da Toca
Board member Península, Project Drawdown, Kiss the Ground and Food Tank

**Fabio Sakamoto**  Co-founder
Founder of 2+Capital, (Corporate Venture| Arm of Grupo Boticário)
Consultant at Bain & Company (Brasil, USA & Hong Kong)

**Marcelo Marzola**  Co-founder
Entrepreneur in marketing technology, co-founder of Predicta
Head of Digital Transformation LATAM at Spencer Stuart

**Fernando Tersi**  Director of Operations
Agrodindustrial Director Cerradinho (Sugar/Ethanol)
Agricultural Director Citrosuco
Agricultural Manager Cambuhy

**Osvaldo Serrano (Juca)**  Technical Director
Agricultural Director at Fazenda da Toca, responsible for large scale agroforestry systems
Pioneer in the organics market in Brazil (20+ years)

**Pedro Carvalho**  Commercial Lead
Biochemical Engineer
Former Commodities Trader at Bunge Switzerland
Grain farmer with specialization in soil microbiology with Dr. Elaine Ingham (USA)

**Leandro Cizotto**  Strategic Planning
Economist with experience in strategy consulting at Integration Consulting
Our Mission is to Bring High-Yield Regenerative Farming to 1 MM hectares of Farmland in Brazil
Thank you.