

What we do

Rizoma is a regenerative organic agriculture production company.

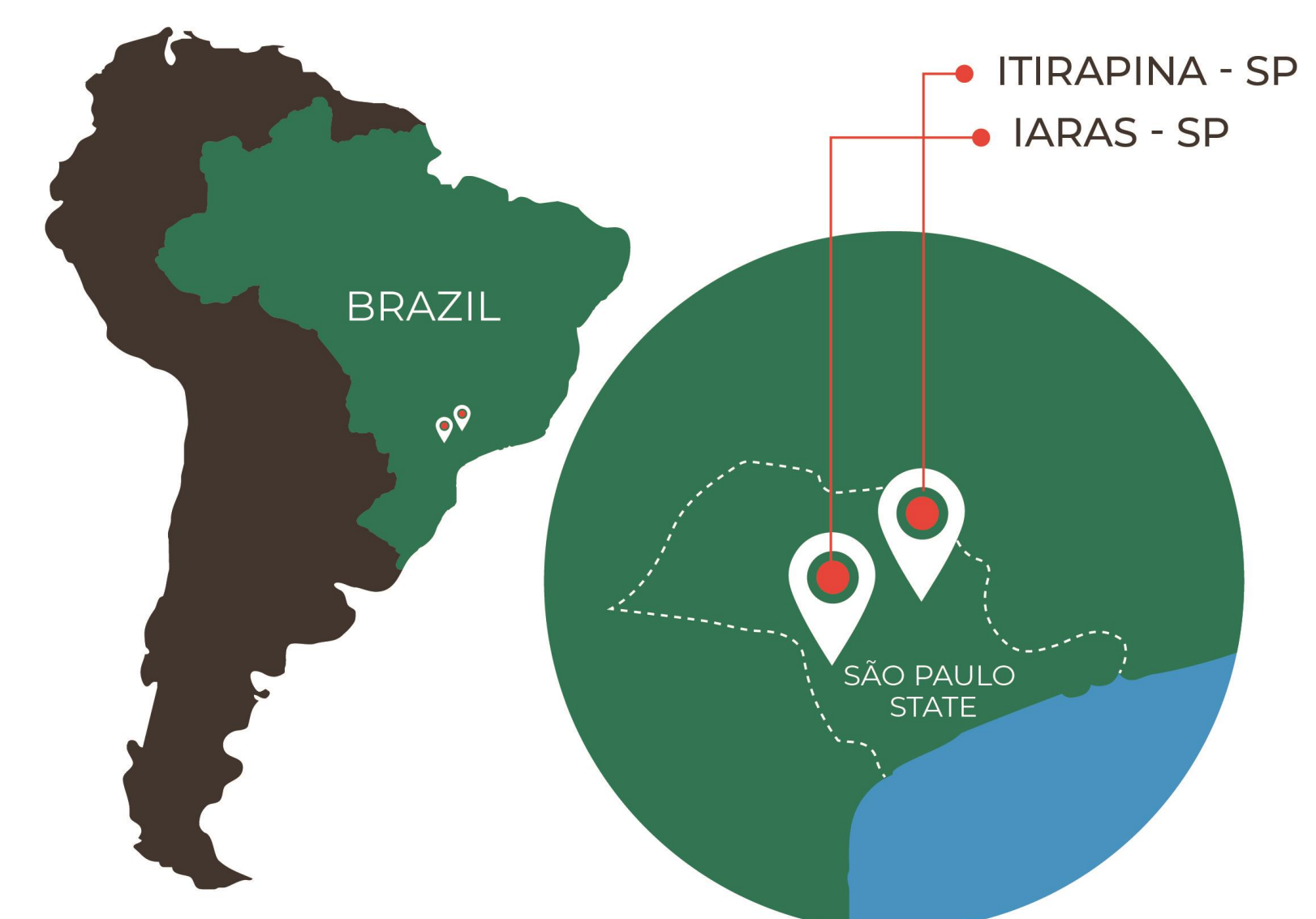
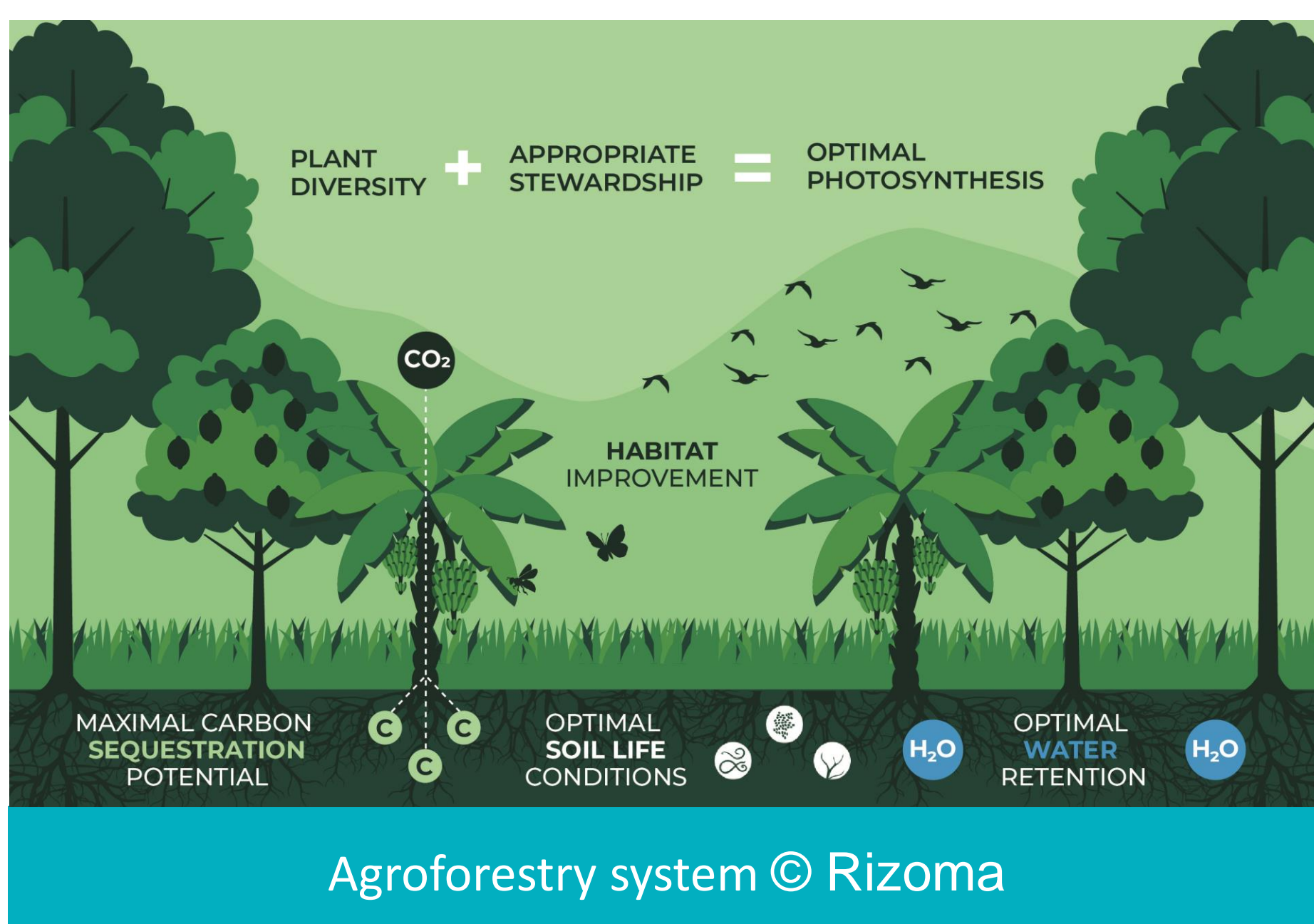
We adopt regenerative farming practices such as no-till or minimal till, cover crops, crop rotation and integrated systems with livestock to increase soil organic matter, store more soil organic carbon, improve resilience and productivity while reducing production costs.

Carbon farming is one of the solutions for climate change mitigation; raising soil organic matter is not only good for climate, but also good for soil, for people and for the planet.

- Objectives

- Transformation and Impact

To transform the way agriculture is done and how its efficiency is measured today, by accounting for its positive impacts on the environment and society on 1 million hectares of regenerative agriculture in Brazil by 2030.



Where we are © Rizoma

- Project implementation and results

- Rizoma's production systems

- Intensive silvopastoral and silvopastoral (livestock, timber and pasture)
- Crop livestock integration (grains and livestock)
- Crop rotation (corn, soybeans, beans)
- Agroforestry (citrus, banana, wood, cassava)

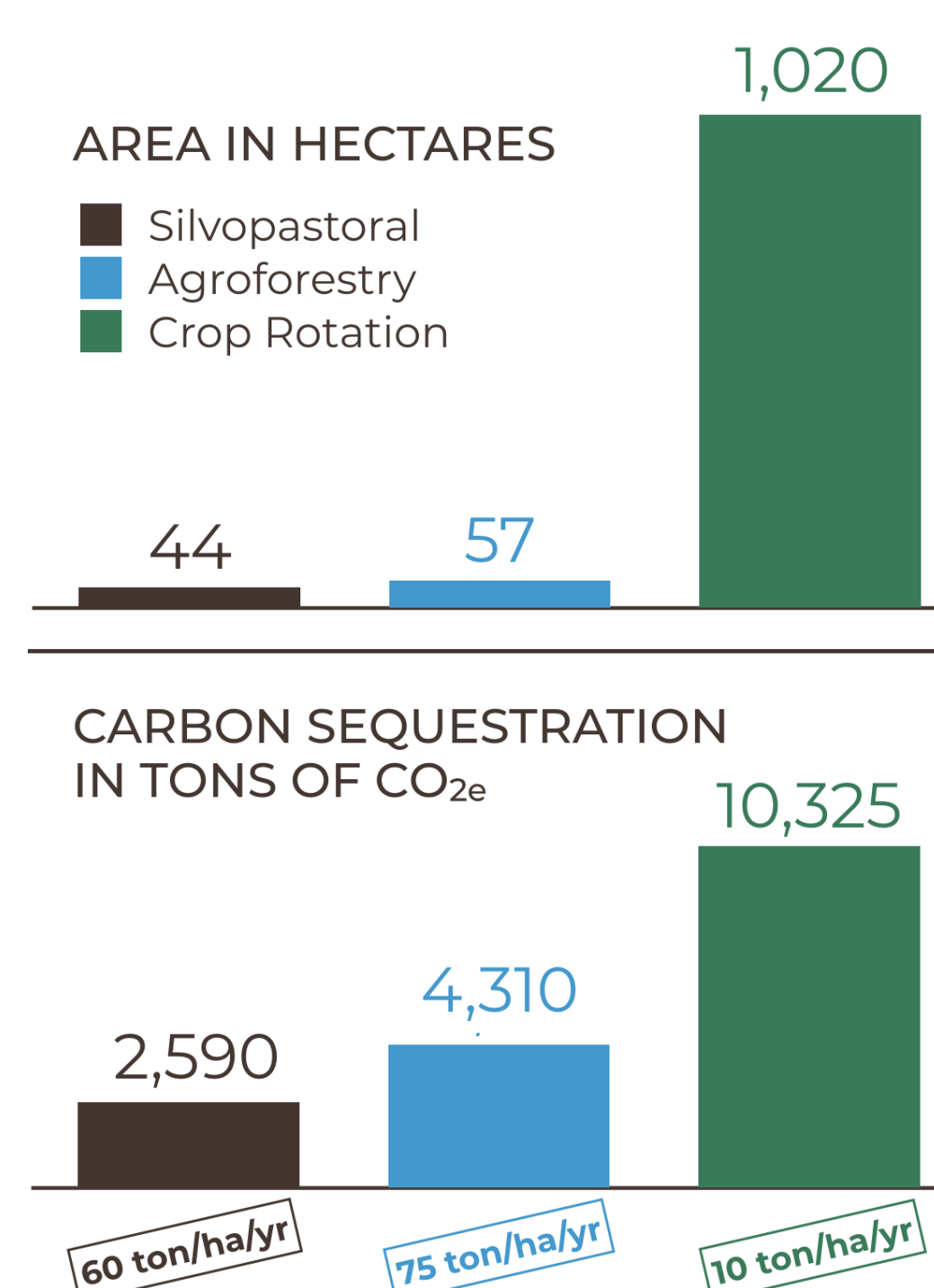
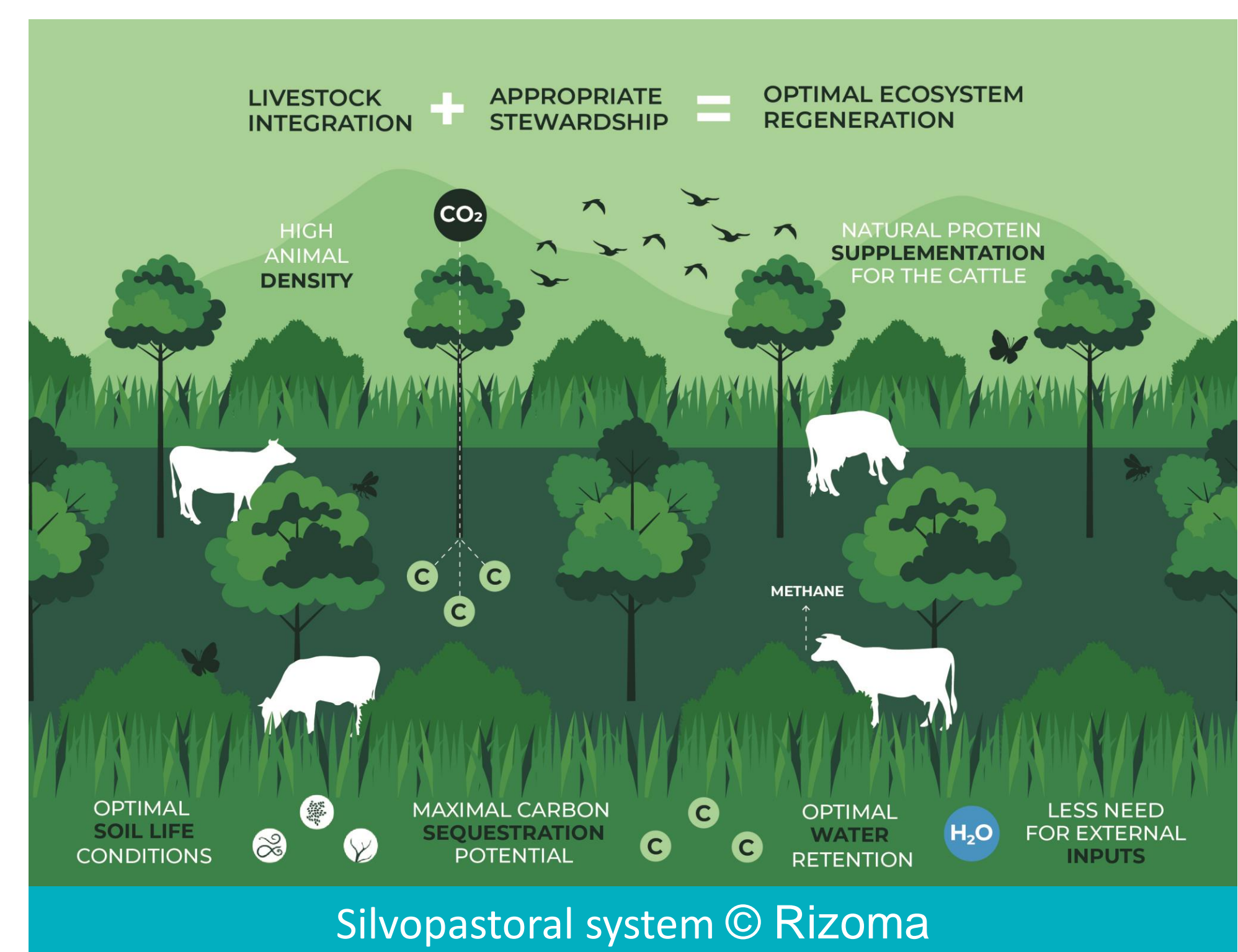
- Case Results – Soil Organic Carbon (SOC) Sequestration

-Crop rotation (corn): 12 tons CO_{2e}/ha/yr (40 cm). Based on SOC increase over 5 years, from 1.3 to 1.6%, considering 15 repetitions and 22% of SD.

-Agroforestry (fruits): 79 tons CO_{2e}/ha/yr (40 cm). Based on SOC increase over 4 years, from 0.9 to 2.4%, considering 3 repetitions and 5% of SD.

- Projections

-Sequestration of 17 thousand tons CO_{2e} per year, meaning 16 thousand tons CO_{2e} in the soil in approximately 1,000 ha and 1 thousand ton CO_{2e} in biomass in approximately 90 ha (silvopastoral and agroforestry)



Projections



Contact

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