

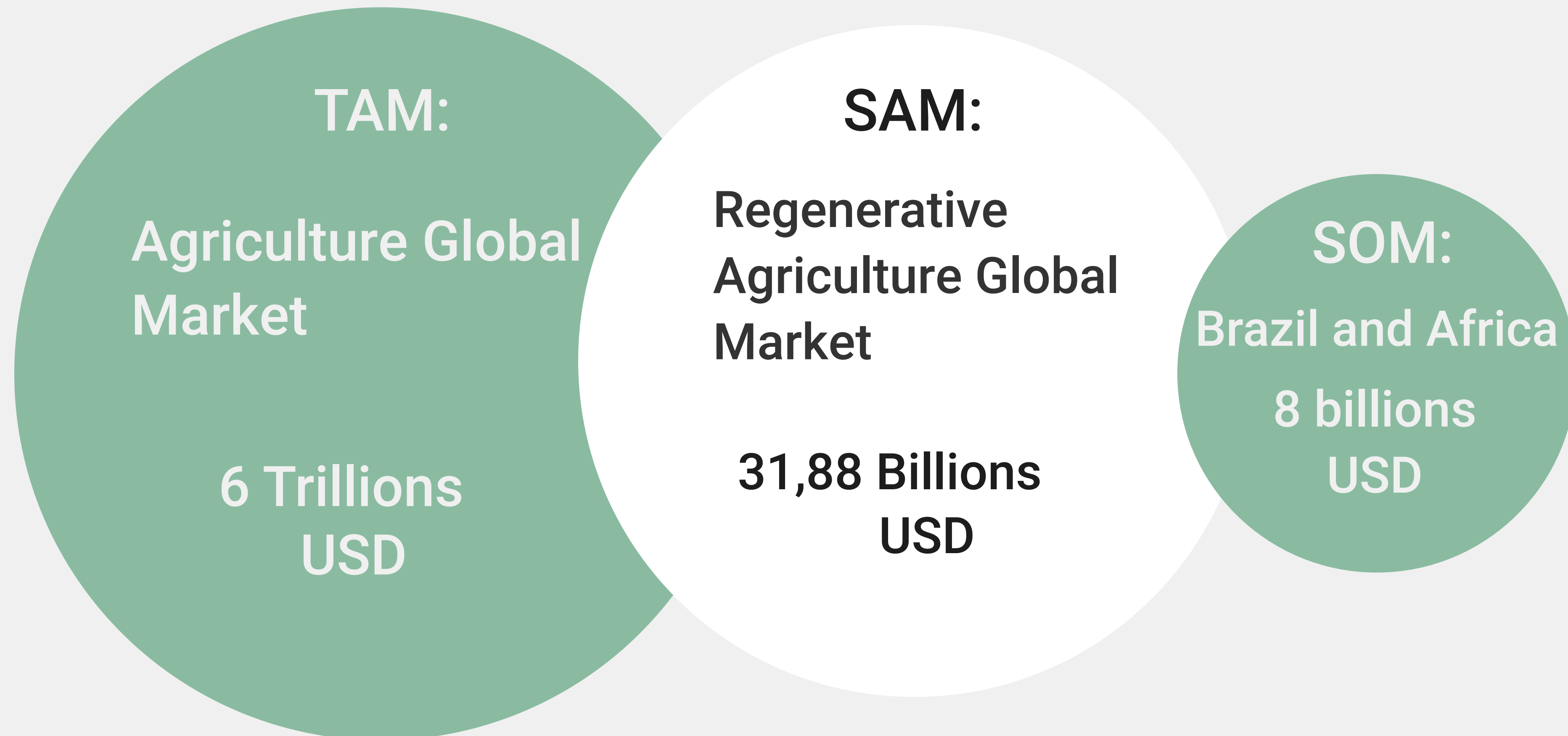


# Rearth

A data scientist in your  
pockets

# Regenerative Agriculture:

Regenerative agriculture is a set of practices capable of restoring degraded soils, ranging from sustainable and intelligent soil management to crop rotation, while also impacting the sociocultural role of the farm.





# Problems:

Deforestation is the main source of greenhouse gas (GHG) emissions in Brazil, accounting for 46% of the total.

**12%** of global greenhouse gas emissions come from agriculture.

**95,7%** of deforestation in Brazil is driven by agriculture and livestock farming.



How can farmers measure their emissions and enter the carbon credit market?



# Solutions:

Optimize planting by accessing the best available data on the land, making the process easier and more guided.

Support during the transition to regenerative agriculture.



Facilitar o contato de agricultores com soluções de alta tecnologia

Mentorship in agroforestry development.



Rearth is the only tool a farmer will need. By combining artificial intelligence with satellite imagery, we can accurately assess the needs of the land and crops.



# Our services:



Using images, our AI is capable of analyzing the climate, biome, humidity, and much more about the soil and the crops present in it.



We analyze over 40 beneficial microorganisms and 140 potentially pathogenic microorganisms per sample through DNA sequencing.



We can accurately measure the type and quantity of greenhouse gases released by the cultivated area.



# Expected Impact:

Limit climate change to 1.5°C by expanding regenerative agriculture, increasing from around 15% of global agricultural land currently to 40% by 2030.

Save resources

Prove that sustainability and economic growth are not antagonistic.

Increase both profits and crop productivity by up to 25% by adopting regenerative agriculture practices.





# Business Model:

SaaS ( Software as a Service)

Subscription Model

The minimum value is still being evaluated, but we estimate the maximum to be between 200-400 dollars to access the platform.

We operate like an insurance company: the farmer pays monthly, but only uses the service when needed.



**Competitive advantage:**

**Greater**

**Global Precision** in calculating

levels of GHG (greenhouse gases) being released



# Founders:



## Giulia Alvares

Aerospace engineering student at UnB and business administration student at UniCeuma, certified in Business by Harvard Business School, is the idealizer and CEO of Rearth.



## Wanghley Martins

A software engineering and business student at Duke University, a leader at Fundação Estudar, is the CTO of Rearth, and has also been a personal accelerator for other startups.



## Luiza Pugas

A software engineering student at UnB, a UX/UI designer, and an experienced web developer, acts as the CMO of Rearth and was a global finalist in the Hult Prize 2023.



**Thank you.**