

***Combining Technologies, People, Business
models and Funding for scale up.***

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Soil Health as Solution to Climate Change

Soil organic carbon is the biggest and potentially the only hope we have to mitigate climate change risk

A 0.4% increase per year in soil carbon content would “halt the increase in the CO² concentration in the atmosphere related to human activities”

4 per 1000 initiative

General co-benefits:

- ✓ Resilience and food security
- ✓ Plant nutrient availability and plant nutritional quality
- ✓ Increased soil biological diversity
- ✓ Improved soil structure and properties

Water quality co-benefits:

- ✓ Improved water infiltration
- ✓ Improved water holding capacity
- ✓ Increased rainfall efficacy
- ✓ Improved drought resistance
- ✓ Reduced erosion and nutrient run-off

It is a good ‘score card’ for regenerative farming and has many benefits

A Solution for Climate Change Action



Why do we need to change so fast?

What do we need to change?

- Technologies
- People
- Funding

Financing Solution

- Collaborative model needed

Frontier Impact Group

Frontier impact Group supports stakeholders including regional Communities to rapidly transition a closed loop sustainable farming Model

Carbon & Environmental Market

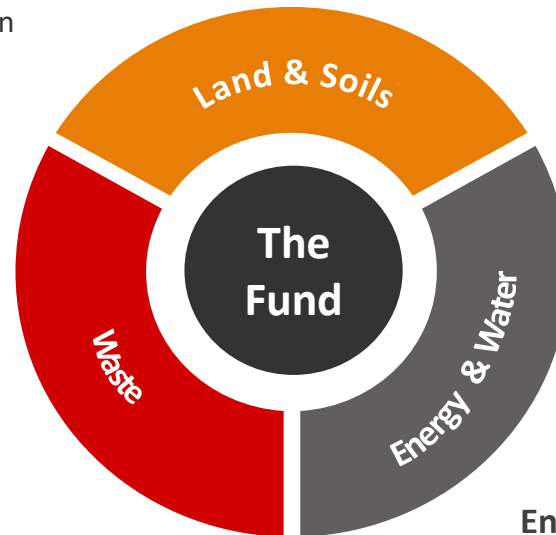
- Soils
- Reveg & reforestation
- Methane reduction
- Biodiversity

Smart farming system

- Measure, manage & optimize

Products

- Biological fertilizer
- Natural fertilizers
- Natural pelletised fertilizers
- Feed from vertical farming



Renewables

- Bio-digestion
- Pyrolysis
- Solar PV & Storage

Services

- Carbon Project Development
- Financing of projects
- Procurement
- Agronomy

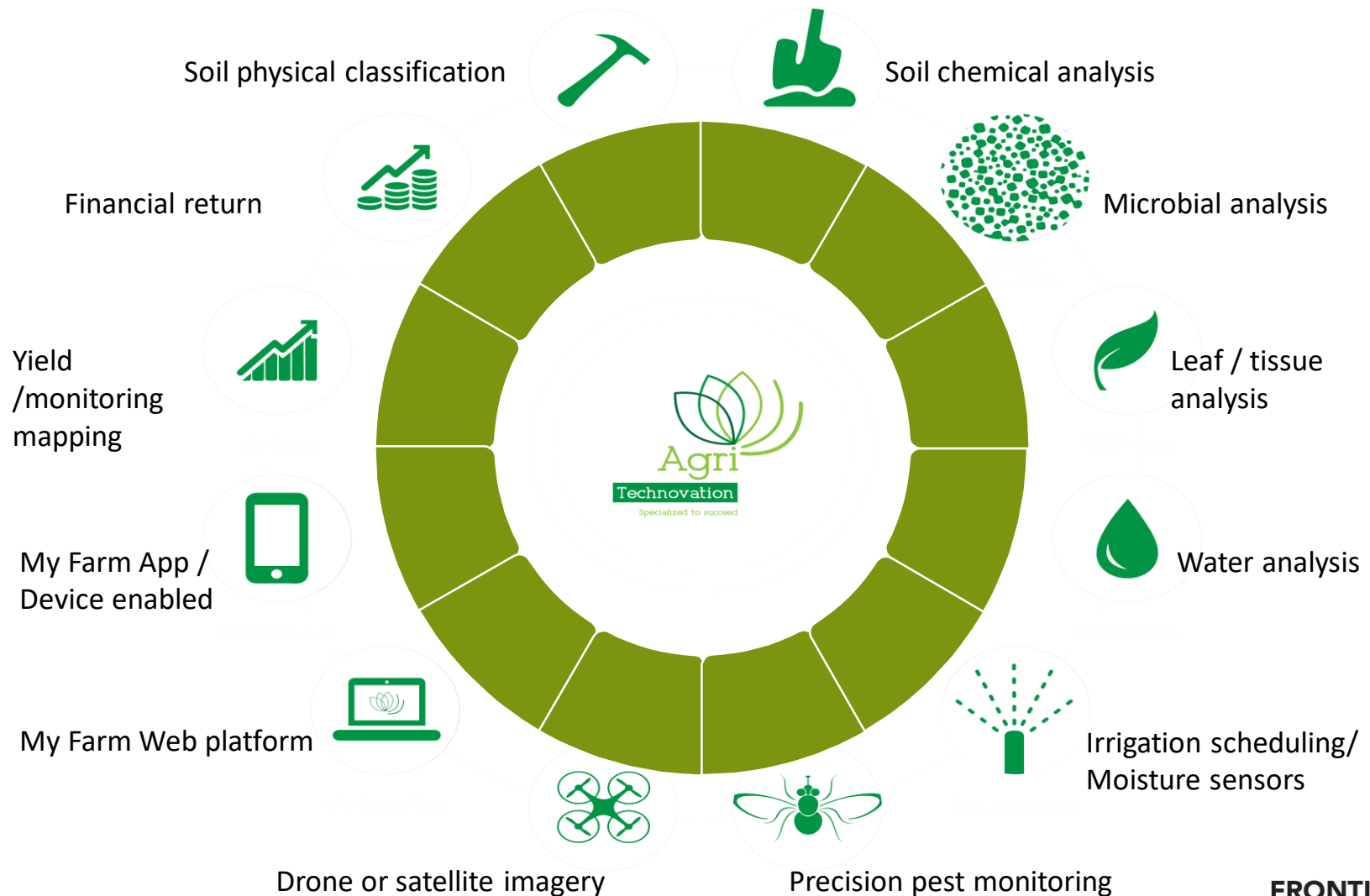
Energy & Water efficiency

- LED lights
- Renewable diesel
- Electric Vehicles
- Variable rate tractor
- Moisture probes

Measurement is crucial

- Use science based methods to identify the cause of the problem.
- Need to measure the right elements to understand why there are difference in growth of soil carbon.
- Developing and implementing recordable, sustainable solutions that address these problems efficiently and effectively.
- What other elements do we need?
 - Technology agonistic
 - Low cost
 - Easy to use
 - Knowledgeable
 - Creditable

Smart Farming Technologies



Strictly Commercial in Confidence

Natural fertilizers

Emerging low chemical and organic fertilizers in Australia can take effect in the plant roots.

- ✓ Improves organic soil carbon levels
- ✓ Enhances soil moisture retention
- ✓ Improved soil (health)
- ✓ Improved water infiltration
- ✓ Improved water holding capacity
- ✓ Increased rainfall efficacy
- ✓ Improved drought resistance
- ✓ Reduced erosion and nutrient run-off



Vertical farming – feed Systems

Grass fed production systems generate healthier products reduce emissions from the production of methane?

- ✓ Improve source of protein and Omega
- ✓ Healthier & happier animals
- ✓ No chemicals
- ✓ Reduced water
- ✓ Improved drought resistance
- ✓ Tasteful, healthier food
- ✓ Feed security and certainty

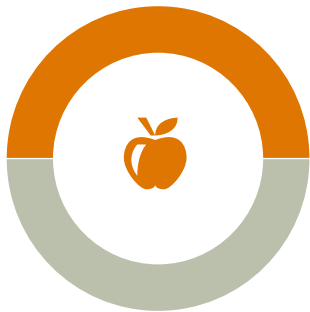


Conclusion

The opportunities for farmers are there to move to a closed looped sustainable regenerative farming model

The funds and the capacity building models are forming but we need collaboration

What can Frontier Impact Group do for you?



Farmer

If you want to be more productive, profitable and sustainable

- How to develop a carbon project
- What technologies are available to transition
- Opportunities to R&D new technologies



Investors / Financiers

If you want superior returns and the opportunity to make an impact.

- Invest in proven technologies
- Ability to support farmers on the ground to finance project



Government / NGOs / Unis

If you are looking to be able to maximise the impact of funds and leverage the private sector



Business

If you want to purchase high quality offsets that meets your SDG goals and helps farmers



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