

REGENERATIVE AGRICULTURE

COORDINATION AND LEARNING FROM ONE ANOTHER

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Introduction

- No one has holistic knowledge about every thing
- Every one/stakeholder is doing very little things regarding regenerative agriculture
- Collectively through learning and doing we add up our little knowledge and actions to create an influence, accelerate sustainable impact through adoption of regenerative agriculture practices
- Regenerative agriculture builds resilience into food systems by strengthening soil, water and biodiversity resources
- This allows for reduced input use as well greater ability to withstand extreme weather events, thereby supporting the productivity and resilience of farmers

Why is regenerative agriculture important for private sector/small holder farmers

- 80% of the food in sub-Saharan Africa is produce by small scale farmers.
- Household income for these smallholder farmers could rise up to US\$ 150 per year due to adoption of regenerative agriculture.
- By 2040, through just a 50% adoption of regenerative agriculture across Africa, farmers could see:
 - 30% reduction in soil erosion- Mulching, minimum tillage etc
 - Up to a 60% increase in water infiltration rates-Biochar use in vegetables
 - 24% increase in nitrogen content-Cereal- legume rotation
 - 20% increase in carbon content, or higher –Biochar use in coffee
- Regenerative agriculture secures supply, strengthens livelihoods and sequesters carbon

What is it for business

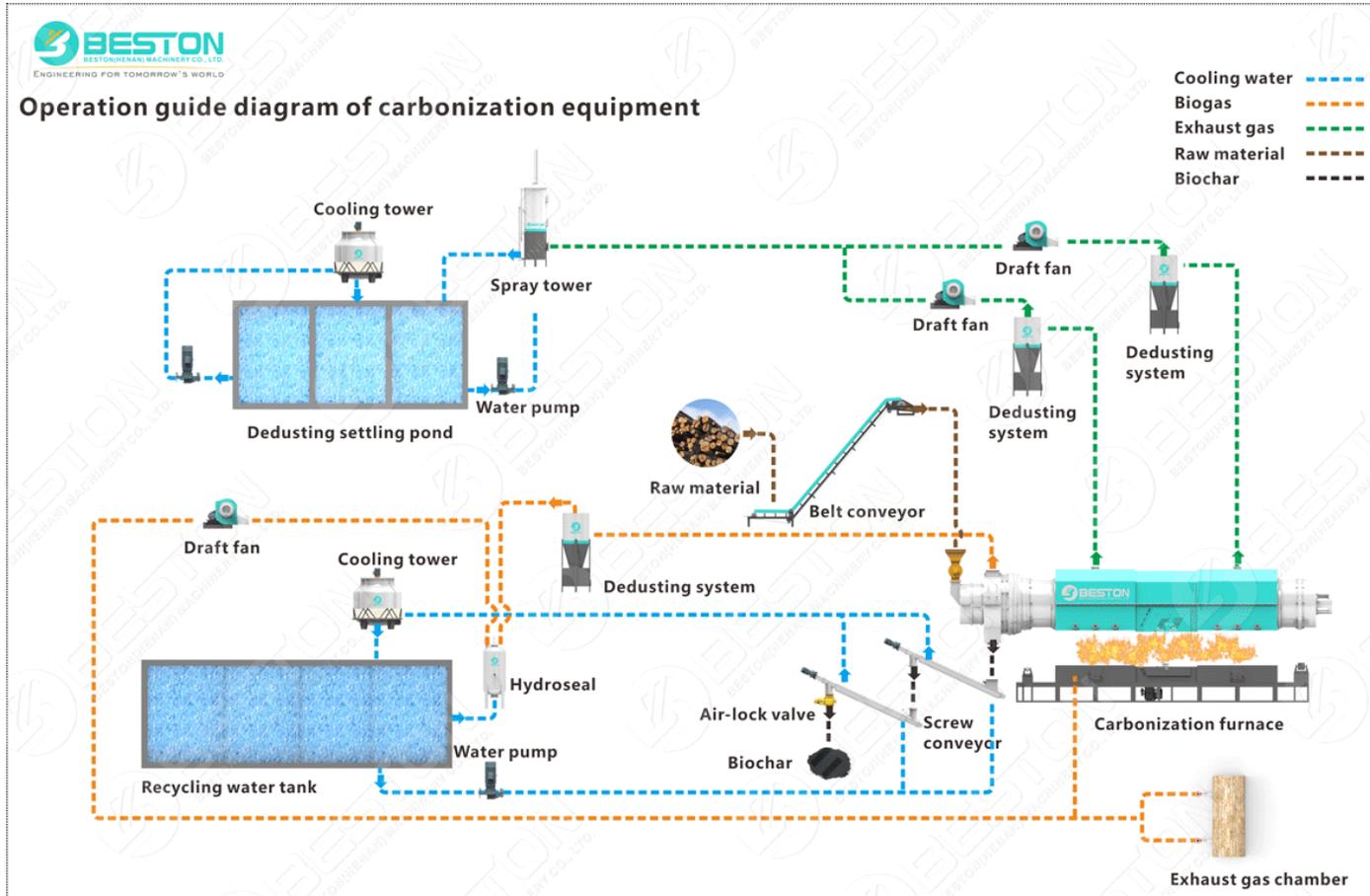
- Revenue Generation



Converting Rice Husk into soil conditioners (Biochar) Climate smart technology



Advance carbonization



Where biochar is used -NUCAFE



Wet Method



**Processed into
Manure :
(fertilizer)
How??**



(EMPOWERING COFFEE FARMERS INTO SPECIALTY MARKETS)

Role of business

- Given its size, influence and impact across the world, the private sector has a huge role to play when it comes to scaling up regenerative agriculture.
- Company's net-zero strategy; key innovations are being developed by business to reduce their emissions within their own value chain.
- Support farmer in the transition from conventional agriculture to regenerative agriculture.
- Companies to share peer-to-peer learnings and experiences regarding their regenerative agriculture

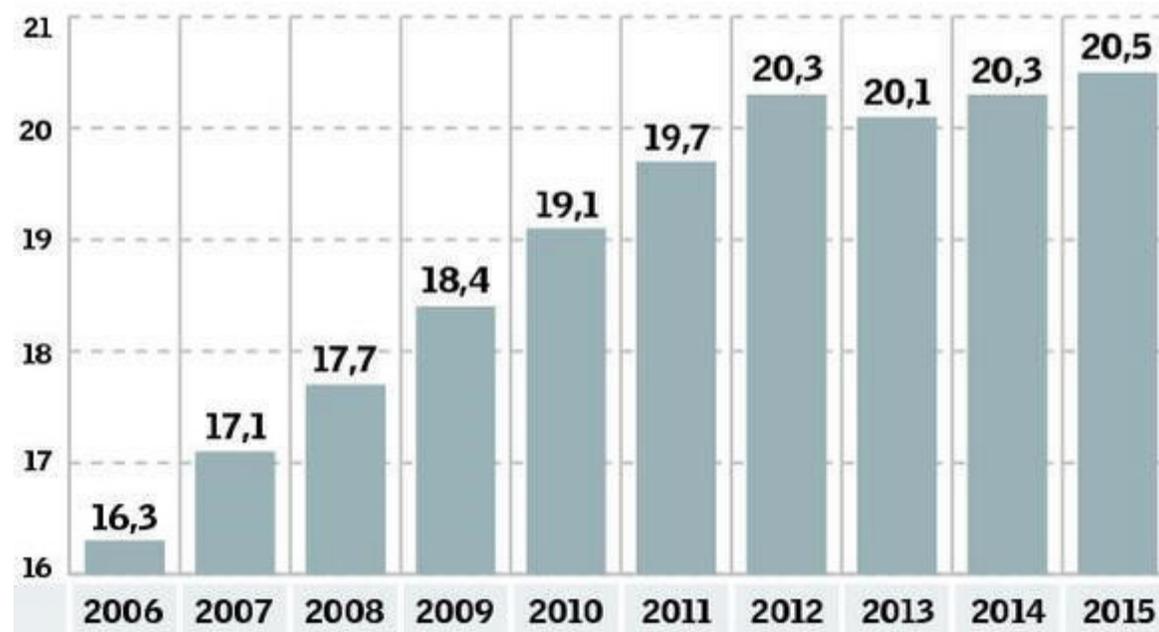
Role of government

- Supporting certification policy for re- generatively produced products
- Support businesses to agree on common metrics to track and report progress
- Creation of central regenerative agriculture knowledge data bank
- Market regenerative agriculture concepts to reach the last mile- consumers

Growth of domestic coffee consumption in Brazil 2006 - 2015

Pequeno avanço

Evolução da demanda por café no Brasil (em milhões de sacas)



4,90 quilos

foi o consumo per capita de café torrado e moído no Brasil em 2015, pouco acima dos **4,89 quilos** de 2014

Fonte: Abic

Uganda's consumption is now 230,000 bags in 2015

Role of development partners

- Collaborations between Development & companies across the value chain to support farmers by offering them a financial benefit to adopt regenerative practices.
- Support businesses to agree on common metrics to track and report progress
- Commission study to Understanding the attitudes, awareness & behaviours of everyday food & beverage consumers when it comes to food sustainability and regeneratively produced food.
- Support Governments in the marketing of concepts of regenerative agriculture

Role of consumers

- While the concept of regenerative agriculture has yet to properly take hold among consumers as a driver of their choices, there is a growing consumer interest in regenerative agriculture.
- Consumers indicate willingness to pay more for regeneratively produced food, especially if science can show it tastes better, is better for you – and is better for the environment.



Modern society



DIABETES

Consume coffee & control diabetes – health value

Merci

Thank you for listening