

28 November 2022


## Innovations Session N°11

Promoting circular economy and  
reducing food losses and waste:  
Successes by SMEs and entrepreneurs



INNOVATIONS  
SERIES



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# Promoting circular economy and reducing food losses and waste

PAFO-COLEACP INNOVATIONS SERIES  
28 November 2022

# overview of this slide deck

1. Introduction to Tandem
2. Circular strategies
3. Circular food systems:
  - a. Regenerative production
  - b. Circular processing and distribution
  - c. Valorification of food waste



# about tandem



**we support organisations in their transition to more circular practices**



**our mission is to drive a lasting positive impact on society and the environment by combining profitability and sustainability, and to develop a more circular economy across Africa.**



01

## our approach

By implementing circular economy best practices, we aim not only to give companies a competitive edge and improve profitability but also provide a lasting positive impact on society and the environment.



03

## our people

We are a dynamic team of professionals who are passionate about circularity. With diverse backgrounds we bring a wide range of expertise covering Technical, Engineering, Finance, Supply Chain, Project Management and Process Optimization.



02

## our experience

We have implemented a range of successful projects in Southern Africa in the waste, water, renewable energy, logistics and process optimisation space. We innovate to turn challenges into opportunities and pride ourselves in delivering top quality work.

# our team



**Andrew McNaught**

Founder, principal consultant and waste management expert

**Andrew Ngwenya**

Consultant, agronomist, sales and marketing expert



**Noel Banda**

Senior Consultant, logistics and supply chain expert

**Joseph Kiwala**

Administrator and office manager



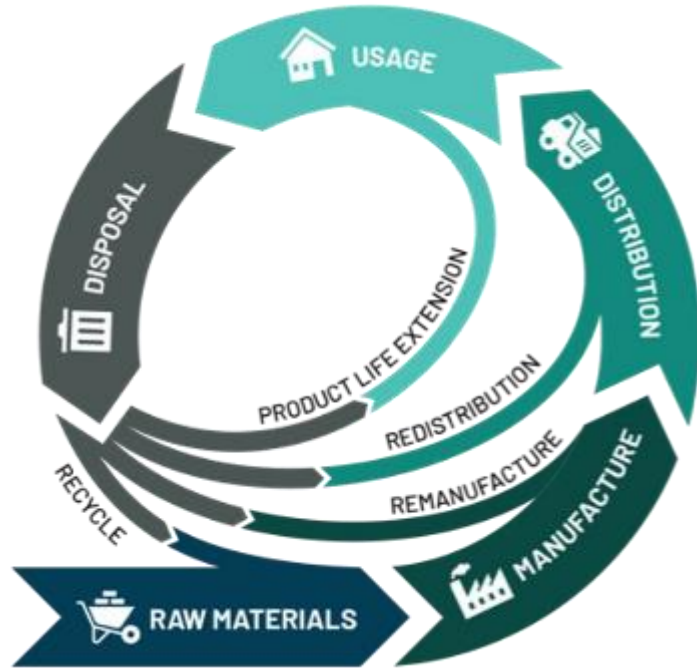
**Chai Fundanga**

Senior consultant and digital communications expert

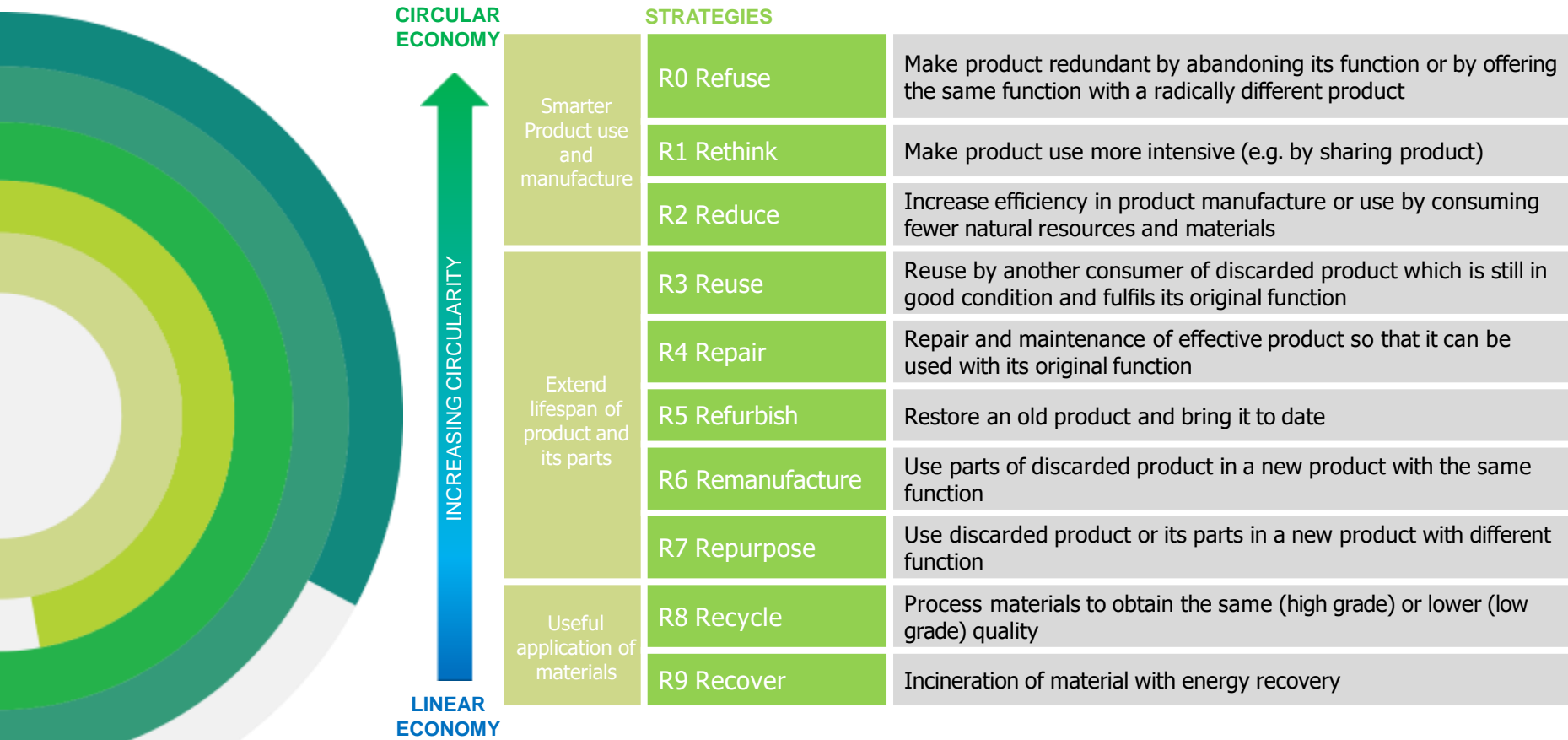


# What is the Circular Economy?

What if we designed products or used resources in a way that reduced waste? Instead of becoming waste at the end of their lifecycle, they could again become a resource? Or if waste from an industrial process could be used to feed in or create a new product and create additional revenue? This is what we call a circular economy.



# circular strategies



# circular food systems

1. Regenerative production
2. Circular processing and distribution
3. Valorification of food waste

**SOURCE FOOD GROWN  
REGENERATIVELY,  
AND LOCALLY WHERE  
APPROPRIATE**

**DESIGN AND  
MARKET  
HEALTHIER  
FOOD PRODUCTS**





# Regenerative production

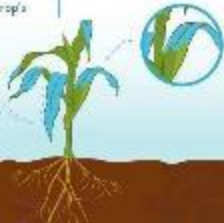


Conservation Farming Unit

CONSERVATION FARMING & CLIMATE SMART AGRICULTURE

Build resilience part through the leaves in final stages of development and naturally increase the crop's phytochemicals

Nutrition through biological fixation



Crop rotation



Shift to organic inputs



COMACO

Community Markets for Conservation

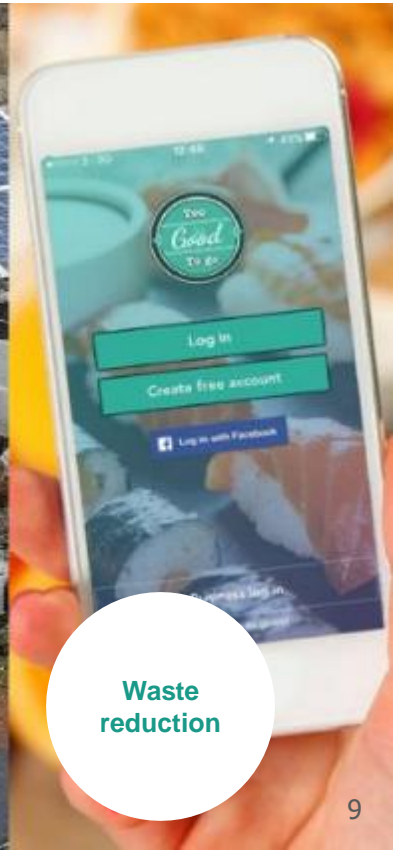


Promote bio-diversity

COMACO WAS FORMED TO HOLISTICALLY IMPROVE LIVING STANDARDS IN RURAL AREAS AND PROTECT BIODIVERSITY



# Circular processing and distribution



# Valorification of food waste



waste to energy

Bioéc



waste to fertilizer

ecwbiz



waste to animal feed

Entomo FARM

CREATING SUSTAINABLE NUTRITION FOR ALL, WITH WORMS

Get 100% insect farming solutions to reduce food waste from your site, organic and intensive livestock feed and animal feed for small and medium scale farmers, by buying insects.

Our product provides a good balanced protein nutritional value and can be used as a feed for the environment and good for all.

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- Email: [info@entomofarm.co.za](mailto:info@entomofarm.co.za)
- Web: [www.entomofarm.co.za](http://www.entomofarm.co.za)
- Entomo Farm Family

Entomo FARM  
Sustainable Nutrition for all



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# thank you.

contact us for more information:

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*The PAFO-COLEACP Innovations Series focuses on innovations and successes of African farmer-led businesses and SMEs. These activities are supported by the Fit For Market SPS programme, implemented by COLEACP within the Framework of Development Cooperation between the Organisation of African, Caribbean and Pacific States (OACPS) and the European Union.*



# Thank you

