

More value, less waste

Introduction & overview

Graham and Rhona Beck Skills Centre

9 May 2017



Netherlands Enterprise Agency



HOW CAN WE
#COCREATESA

AN INITIATIVE OF THE KINGDOM OF THE NETHERLANDS IN SOUTH AFRICA



More value, less waste

Goals

- To explore the potential for value-add to organic residues & wastes in livestock value chains in the Western Cape
- To match businesses to local & overseas companies & expertise to realise value-add cost savings & income

More value, less waste

Audience

- Companies & industry associations
 - Farmers and producers of livestock and livestock products (e.g. dairies, piggeries, chicken farms, feedlots, abattoirs), distributors, retailers
- Government departments
 - Agriculture, regional & local economic development, environment
- University researchers
 - Agriculture, agri-processing, food science, green chemistry, bioeconomy, process engineering, organic waste management & value add
- Other stakeholders
 - Foreign government representatives, CSIR & NGOs

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Overview

- Initiatives in the Netherlands & internationally where regions are transforming their local agricultural economies to higher value bioeconomies
- South African bioeconomy and opportunities for value-add
- Case studies: international & local companies that have diversified their income / realised cost savings
- Discussion: the potential, challenges & enablers of value-add to livestock value chains in the South African context (general or specific sectors)
- Network, network, network: business-to-business or business-to-expert matches

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Context & motivation for the workshop

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Context

Workshop partners

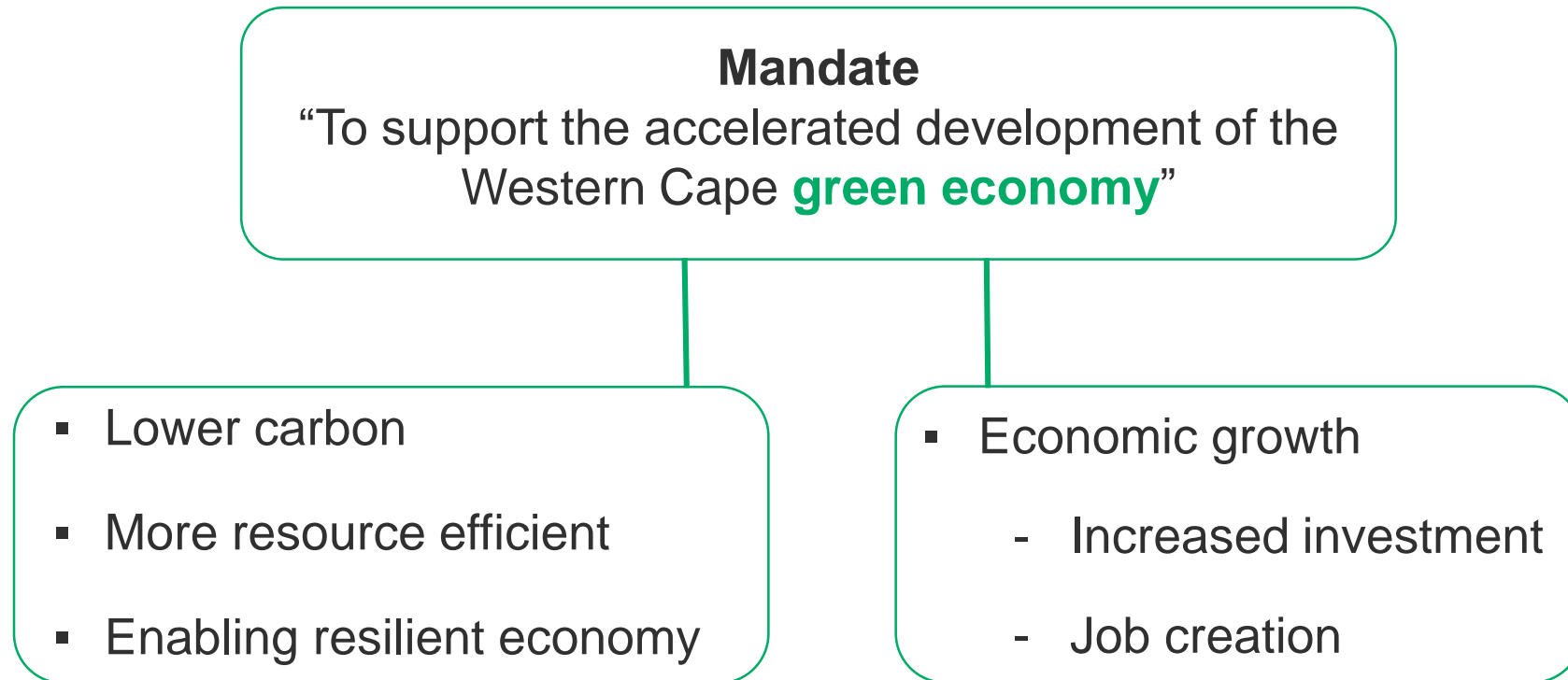
- Industry workshop organised & facilitated by
 - The following GreenCape teams:
 - Resource productivity & agricultural value chains
 - Waste sector desk
 - Western Cape Industrial Symbiosis Programme (WISP)
 - Kees Kwant & Anne de Boer, Netherlands Enterprise Agency
 - Claude van Wyk, Netherlands Consulate
- Workshop funded by:
 - Western Cape Department of Economic Development & Tourism
- Expert input (Kees Kwant & Anne de Boer) funded by
 - Netherlands government (2 years)

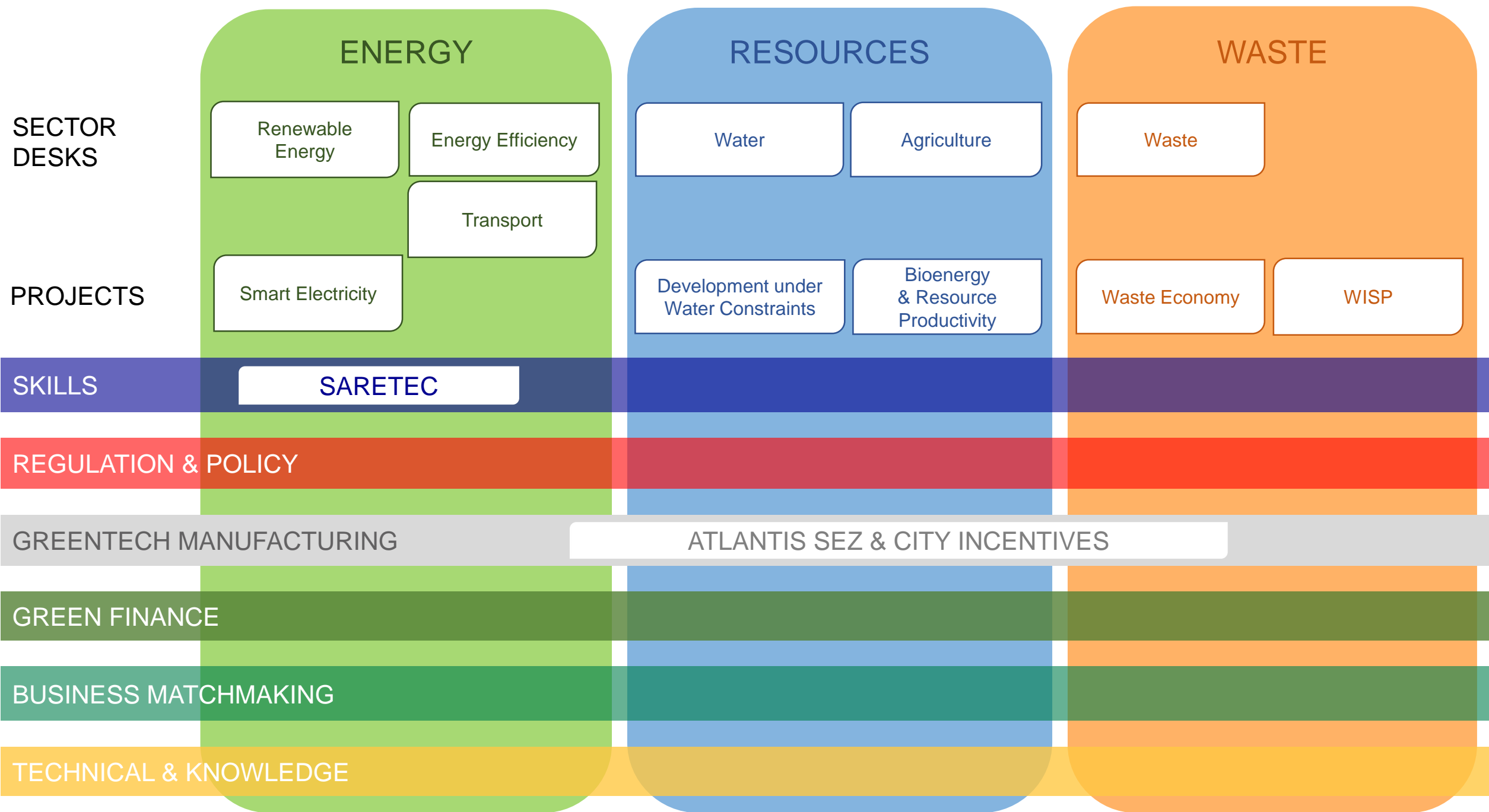
GreenCape

Who we are

- GreenCape is a sector development agency that supports businesses operating within the green economy in the Western Cape
- Not-for-profit organisation
- Established in 2010 by the Western Cape Government & City of Cape Town

GreenCape's mandate



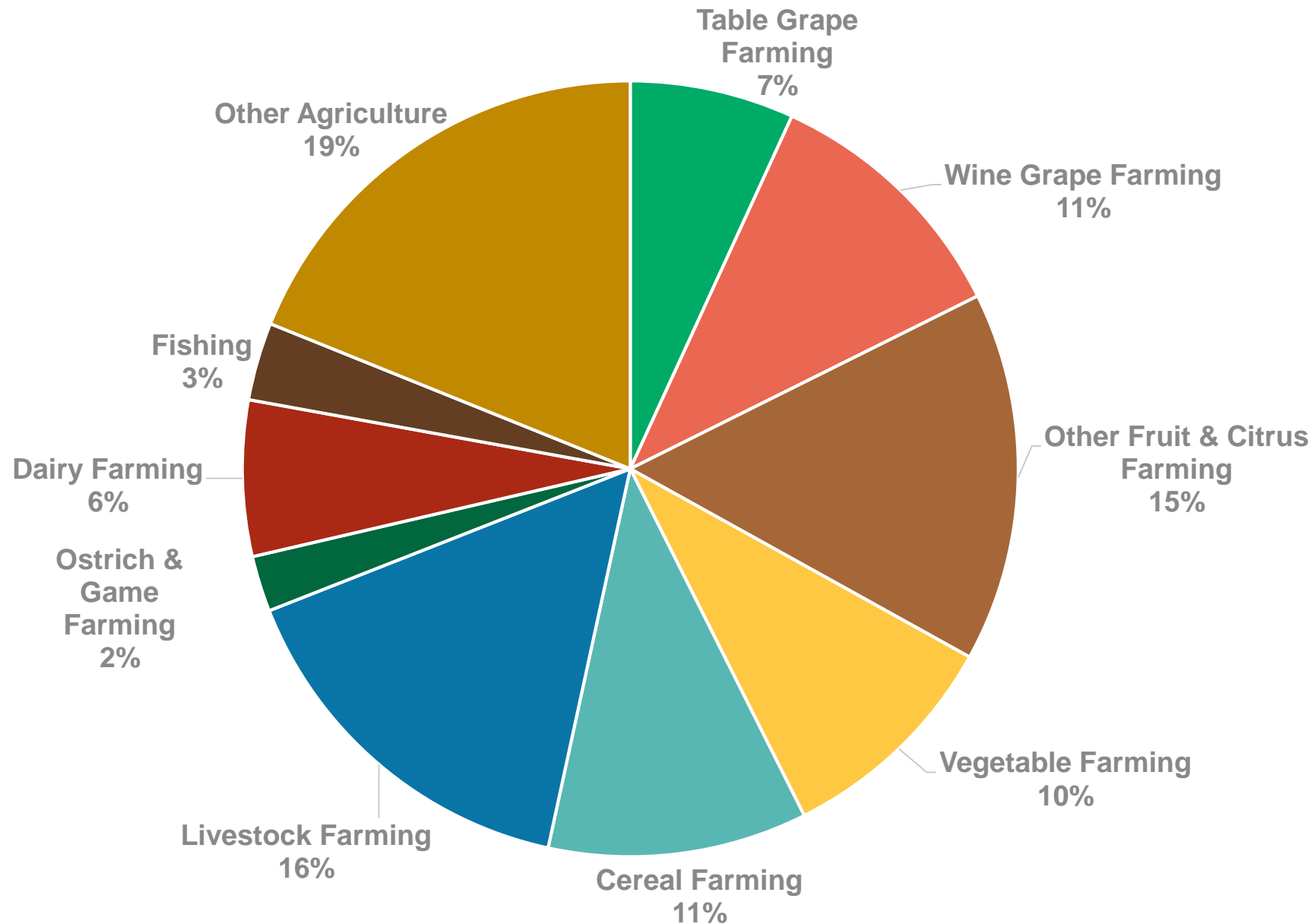


Focus area: agriculture & food value chains

Why look at food value chains?

- Important to the Western Cape economy:
 - High labour absorption of unskilled labour
 - Significant contribution to economy (>R8 billion for fruit alone)
 - Significant export earnings (\pm 80% of fruit exported)
- High risk:
 - Climate change & water security
 - Carbon-sensitive export markets
- High potential:
 - Economic development & job creation
 - Highly integrated value chains with significant knock-on effects
 - Greenhouse gas (GHG) mitigation:
 - high carbon intensity relative to other Western Cape sectors & value chains

Western Cape agriculture overview



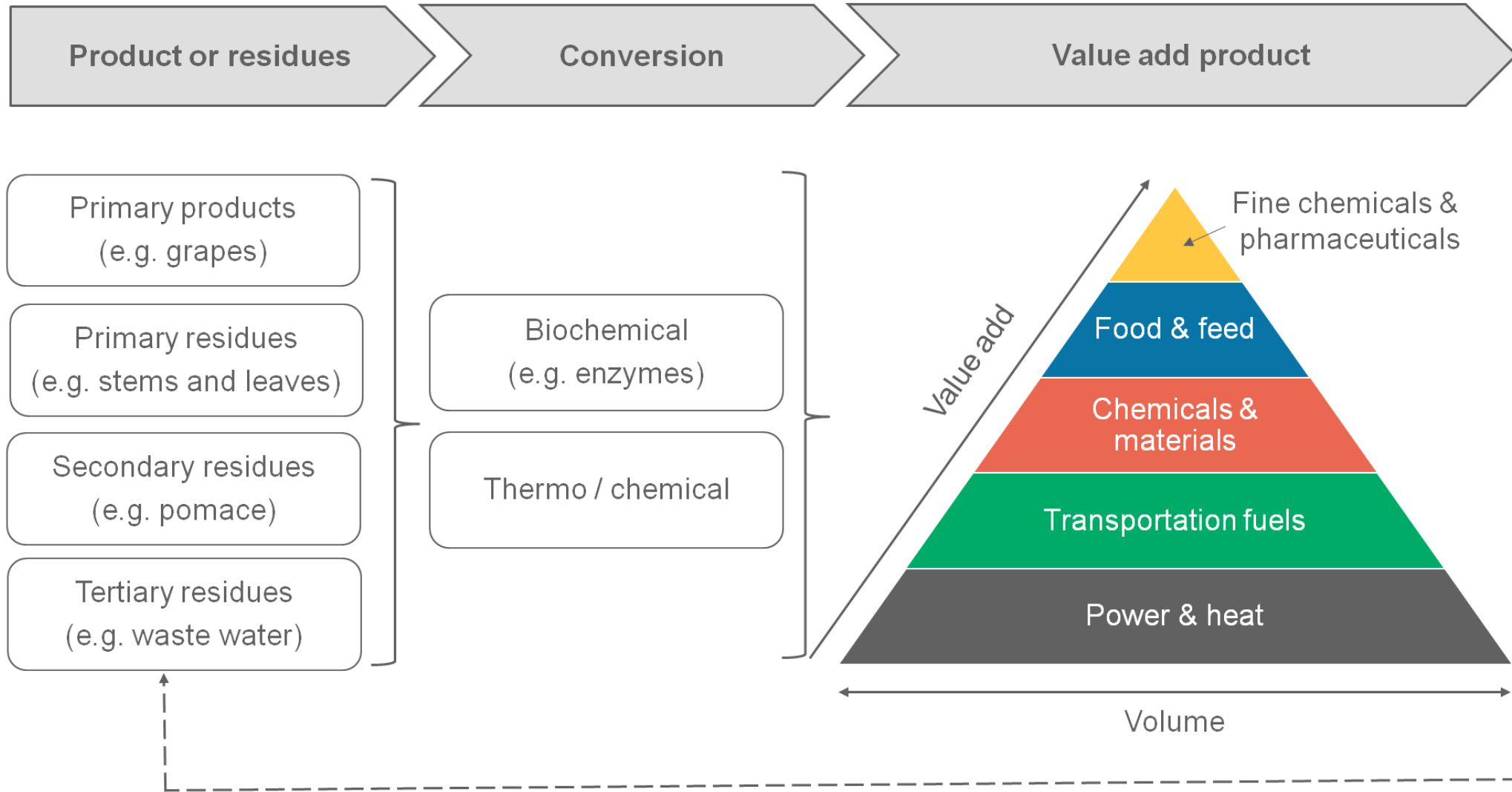
Focus area: resource productivity & value-add

Approach

- Resource productivity: maximise economic benefits from scarce resources (land, water)
- Agricultural value chains considered in an integrated manner
- Two strategies are applied to drive resource productivity:
 - Improving resource efficiency
 - Value-add / waste beneficiation

Prioritising value-add opportunities for full value extraction

Value-add hierarchy



Focus area: resource productivity & value-add

Approach

- Focus on high impact opportunities that align with GreenCape's mandate & support capabilities
- Make recommendations for (provincial) government
 - How to create an enabling environment for both immediate & longer term value-add opportunities



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Thank You

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