



**Putting industry in the driving seat for biotrade growth:  
Panel discussion with SDP implementers**

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# Rational of Sector Development Plans

**Funder:** Swiss state secretariate for econimic affairs (SECO)

**Implementer:** Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ)

**Govt partner:** Department of Forestry, Fisheries and the Environment (DFFE)

**Governance:** ABS Capacity Development Innitiative



**forestry, fisheries  
& the environment**

Department:  
Forestry, Fisheries and the Environment  
**REPUBLIC OF SOUTH AFRICA**

THE **ABS**  
CAPACITY  
DEVELOPMENT  
INITIATIVE

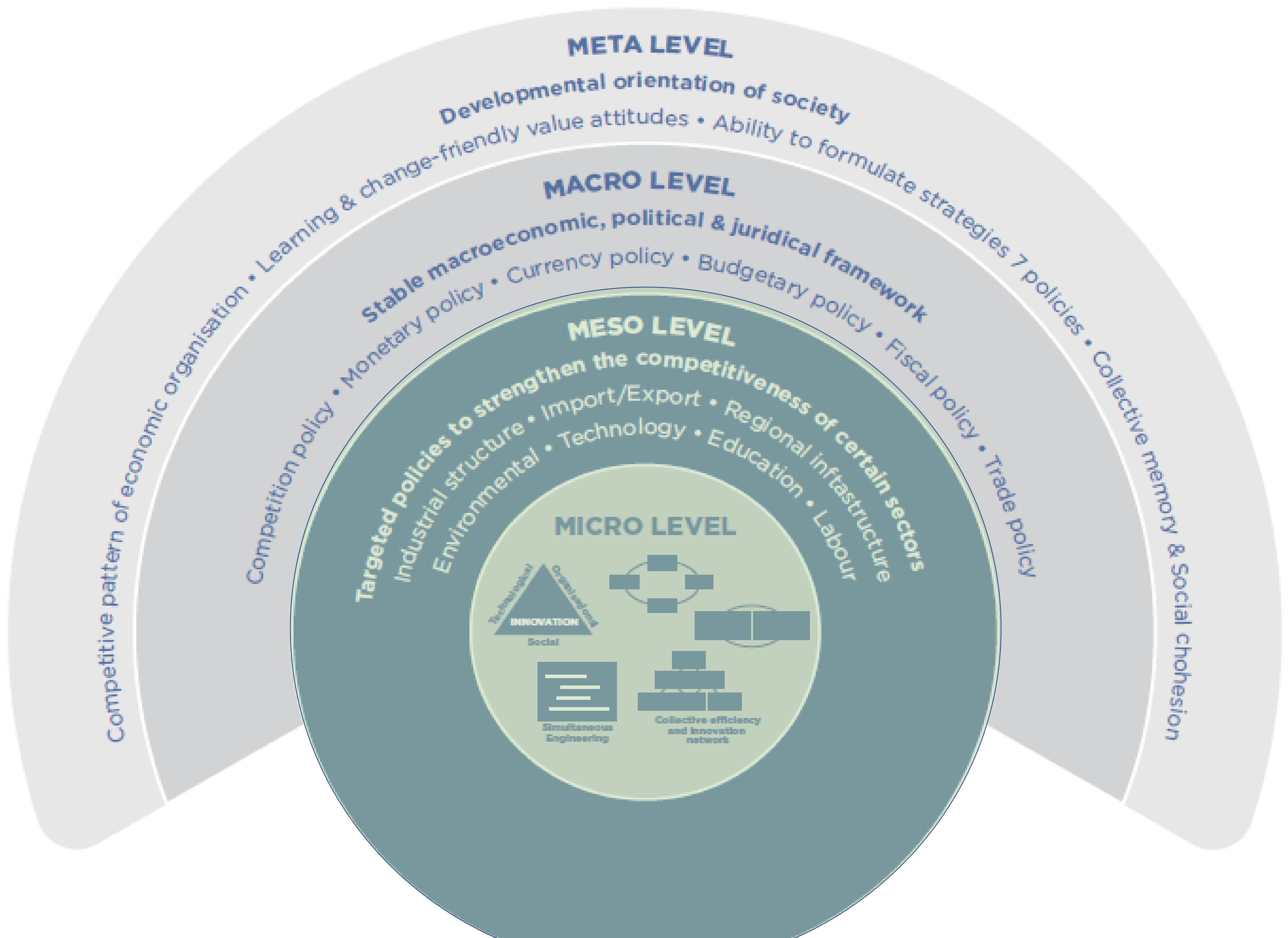


Schweizerische Eidgenossenschaft  
Confédération suisse  
Confederazione Svizzera  
Confederaziun svizra

Swiss Confederation

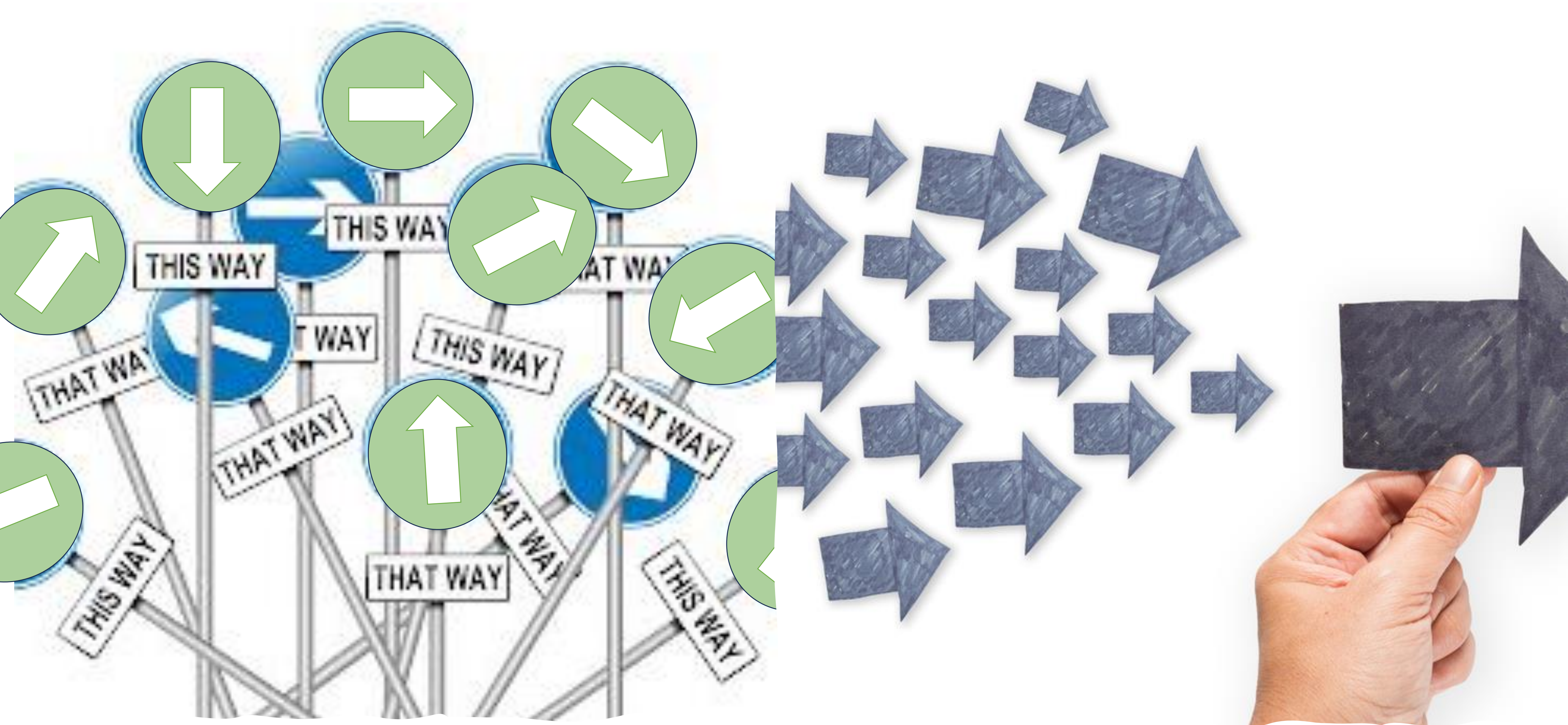
Federal Department of Economic Affairs,  
Education and Research EAER  
**State Secretariat for Economic Affairs SECO**

# Systemic Competitiveness Approach





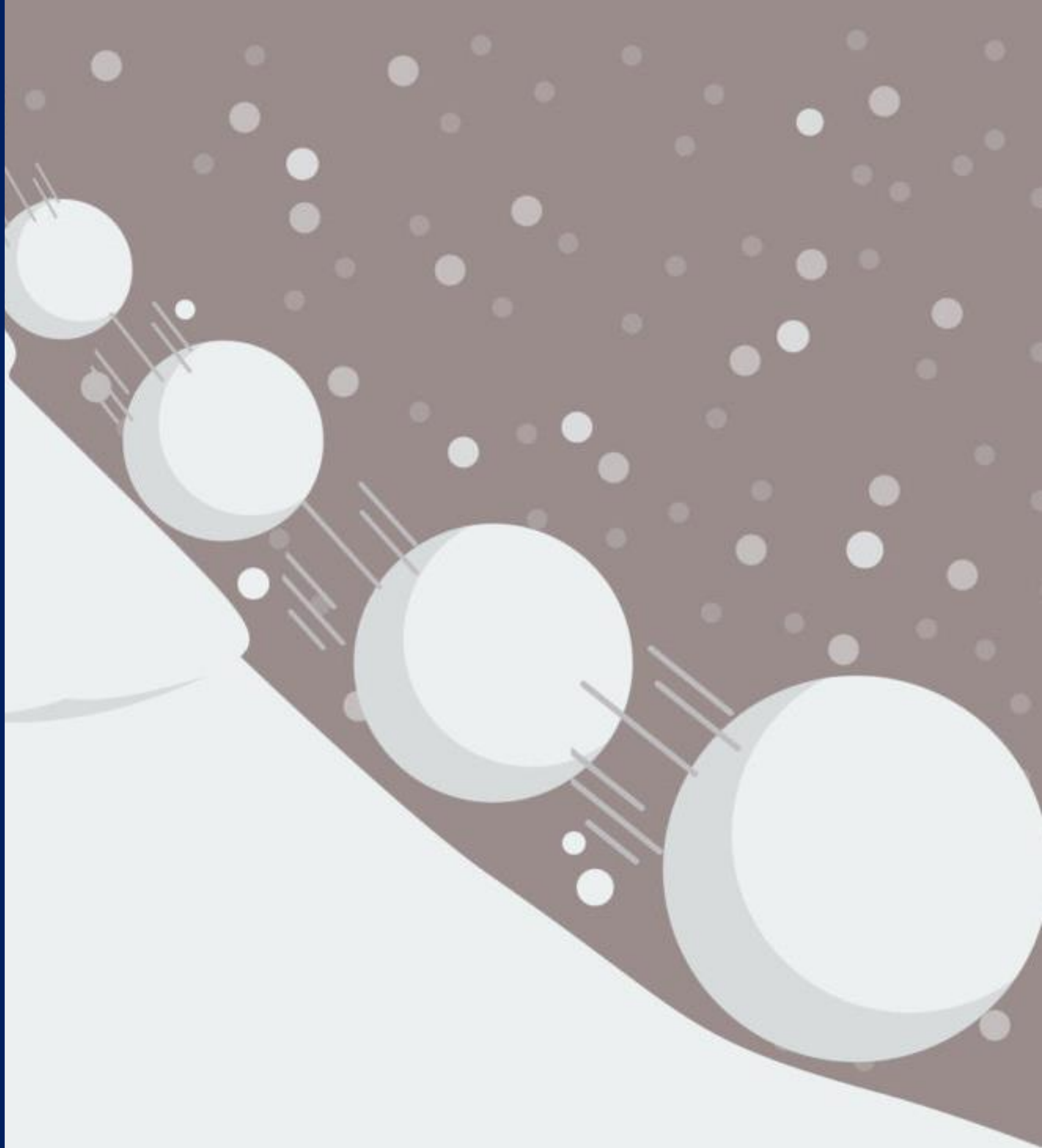
# Role of Sector Development Plans





# Sector Development Plan Approach

- Generate a short list of jointly agreed key strategic interventions
- Should be concrete; action- and results-oriented activities with budget breakdown, owned by different stakeholders and institutions for implementation.
- Establish a platform for future high-level ***government and industry*** engagements to address problems and resolve disputes.
- Address “institutionalization” for governance, coordination, and accountability across the spectrum of responsible stakeholders.



# Series of important events in South Africa (MACRO)

2004

- National Environmental Management: Biodiversity Act (NEMBA)

2008

- Bioprospecting, Access and Benefit Sharing (BABS) Regulations

2016

- Operation Phakisa Lab on Biodiversity (BioPANZA)

2016

- National Biodiversity Economy Strategy (NBES)

2018

- Development of the first Master Plan under the dtic

# Sector Development Process

2019 - 2020

Stakeholder mapping

- Who is out there? Public & Private (MESO)
- Interaction/networks between stakeholders (MESO)
- What are the culture and beliefs (META)

2020 - 2021

Facilitated sector plan development

- Inclusive participatory process
- Identify and agree on key areas/activities
- Ownership and accountability
- Creating a platform for dialogue

→  
2022

Implementation support

- Seed funding to support the kick-off
- 50/50 (cash/in-kind)
- Peer learning sessions
- Crowding in additional funding
- Trust in the snowball effect



# 6 Sector Development Plans

1. *Aloe ferox*
2. Buchu
3. Baobab
4. Honeybush
5. Marula
6. Essential oil cluster





# SDP implementation

Name of applicant	Species	Description of project	1.Sector management, governance & M&E	2. Legislation & Compliance	3. Conservation & Sustainable supply	4. Market access & generic marketing	5. R&D and innovation	6. Quality, registrations & competitiveness
SA Honeybush Tea Association & GRBR	Honeybush <b>Pavilion A3</b>	Supporting inclusive growth throughout the <b>Honeybush</b> supply chain	X	X	X	X		
Parceval/Sceletium value chain	Sceletium <b>Pavilion A2</b>	Opening the market to <b>Sceletium tortuosum</b> and products by reducing market barriers, etc.	X	X	X	X	X	X
African Baobab Alliance & BIZ	Baobab <b>Pavilion A1</b>	Support for the Baobab SDP implementation	X	X		X	X	X
Buchu Association supported by KSA	Buchu <b>Pavilion A4</b>	Supporting growth in the <b>Buchu sector</b>	X	X	X	X	X	
Precision Oil Laboratory	Marula & Baobab <b>Pavilion 6</b>	B-TAF – Botanicals Trusted and Authenticated fingerprinting	X			X	X	X
South African Medical Research Council & ABA	Baobab <b>Pavilion A6</b>	Effects of <b>Baobab</b> Fruit Powder (BFP) on gut and metabolic health in obesity – proposal for a randomised placebo-					X	
Marula Novel Food initiative (Marula Chamber)	Marula <b>Pavilion 5</b>	Application for Marula fruit EU Novel Foods Regulation				X	X	
SA Essential Oil Producers Association	Essential oils <b>Pavilion 7</b>	<b>Essential Oils</b> SDP implementation	X	X	X	X	X	X



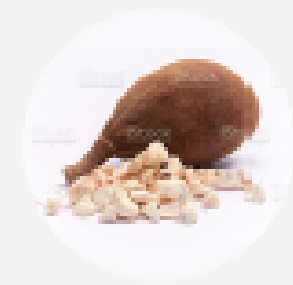
**Panel discussion with SDP implementers**



# 1

## Conceptualise research idea

### Rationale for studying effects of Baobab fruit powder in humans:

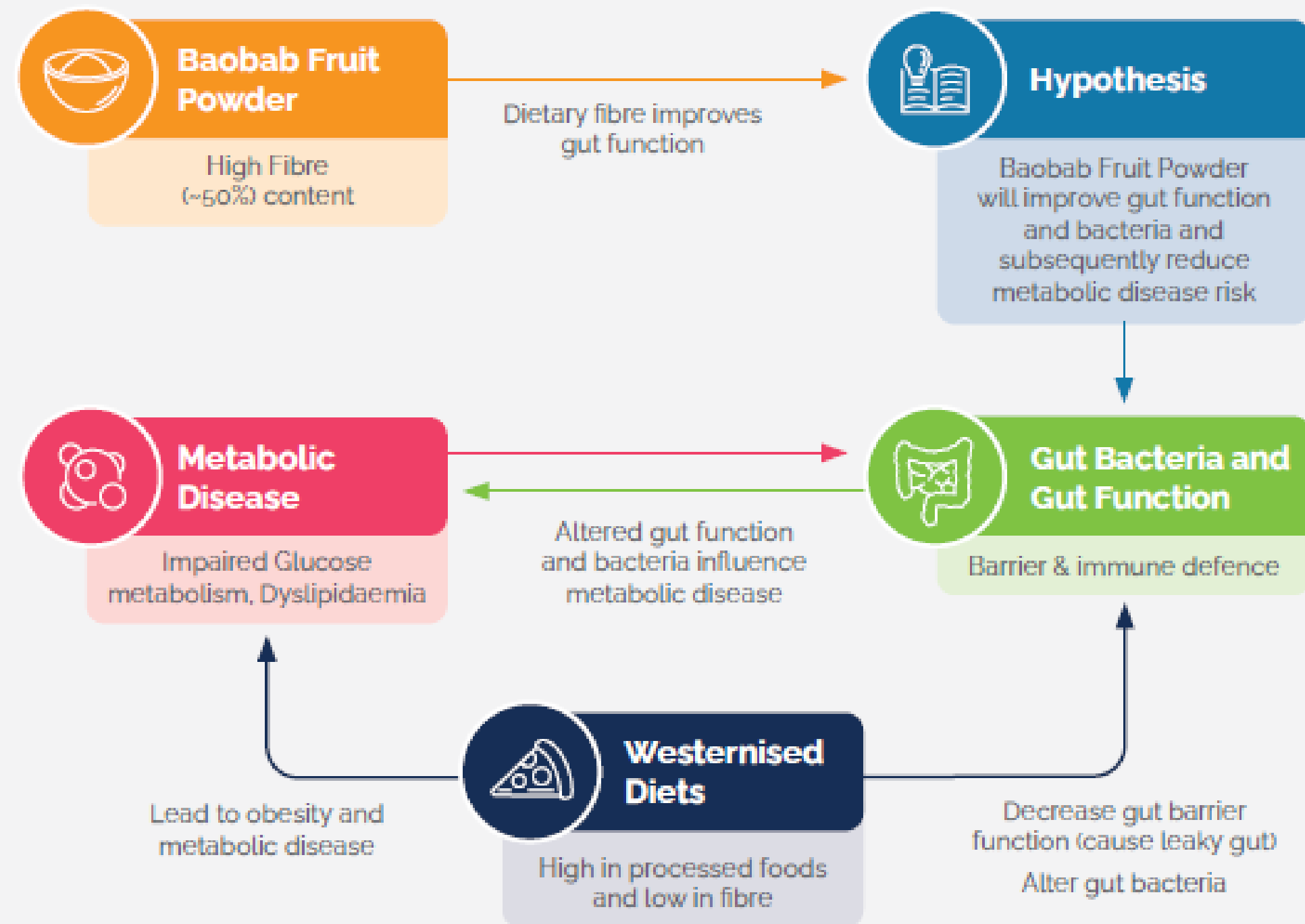


Limited scientific studies in humans

Baobab fruit powder is widely available in SA

Baobab fruit powder is approved as food ingredient in the EU and USA

### Rationale for studying the effect of Baobab fruit powder on gut health:



**Study Aim:** Perform a randomised double-blind placebo-controlled trial to examine the effects of consumption of Baobab fruit powder on gut health in participants with obesity. As secondary aim we will also assess the effects of Baobab fruit powder on cardiometabolic health parameters.



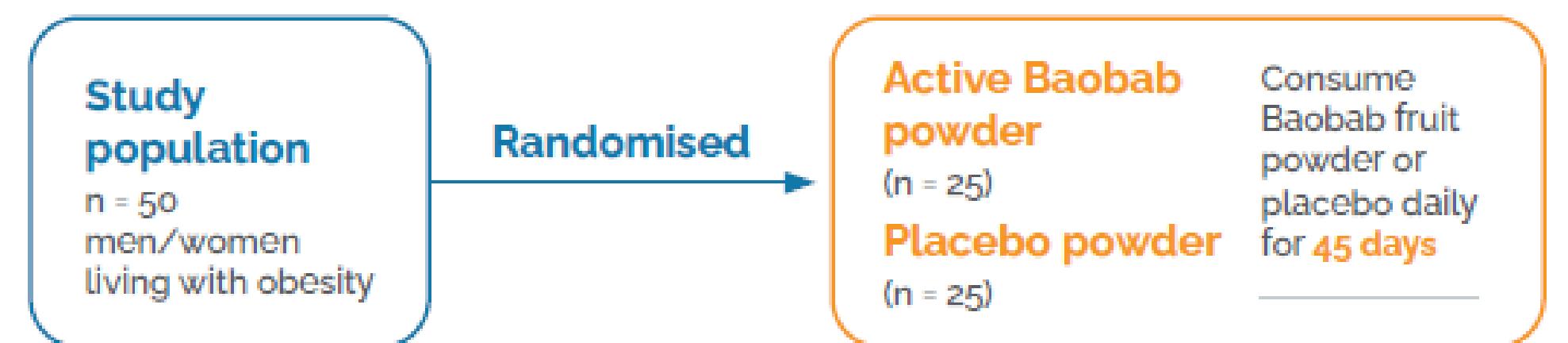
# 2

## Develop the study protocol

- 1 Finalise study protocol
- 2 Prepare participant information material
- 3 Apply for ethical approval
- 4 Engage with the South African Health Products Regulatory Authority (SAHPRA)
- 5 Register trial at the Pan African Clinical Trial registry (PACTR202308727853680)

# 3

## Implementation



### Participant monitoring



Samples collected before and after the intervention



### Laboratory analysis of:

Markers of gut permeability

Gut bacteria

Cardiometabolic risk markers (e.g. weight, lipid profile, blood pressure, glucose & insulin)





# 4

## Outcome and Impact

Results will be:

- presented at scientific conferences and published in scientific journals.
- communicated to study participants in a research feedback session.

Student graduations

The African Baobab Alliance will:

- create online trade publications and press releases for local and international print media and social networking platforms.
- communicate the results to local harvesters during annual pre-harvesting workshops.

This is the first study of its kind to investigate how fibre-rich baobab fruit powder affects human gut health.



Image: African Baobab Alliance

### Contact

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In collaboration with



Funders



## Exploring the effects of Baobab fruit powder on gut health

Image: African Baobab Alliance

Research has been identified as a priority for the development of the Baobab sector. This brochure highlights the **steps required to complete this research project.**

### Baobab fruit powder

Is natural & organic

Is indigenous to Southern Africa

Is rich in nutrients

Has anecdotal health benefits

