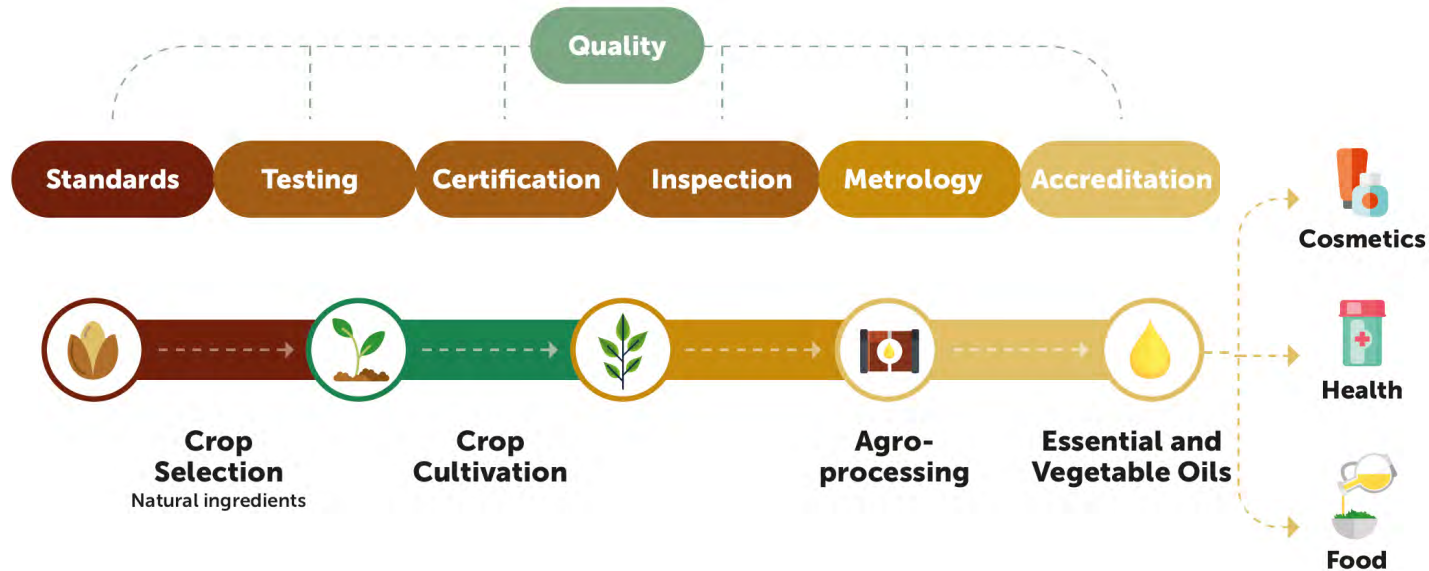


# Strengthening the Quality of Essential & Vegetable Oil Exports from South Africa

## Standards, certification and regulations

22<sup>nd</sup> July 2022



**Objective:** Strengthen the quality and standards compliance capacity to facilitate market access for SMEs in the essential and vegetable oils value chain destined for food, health and cosmetic markets.

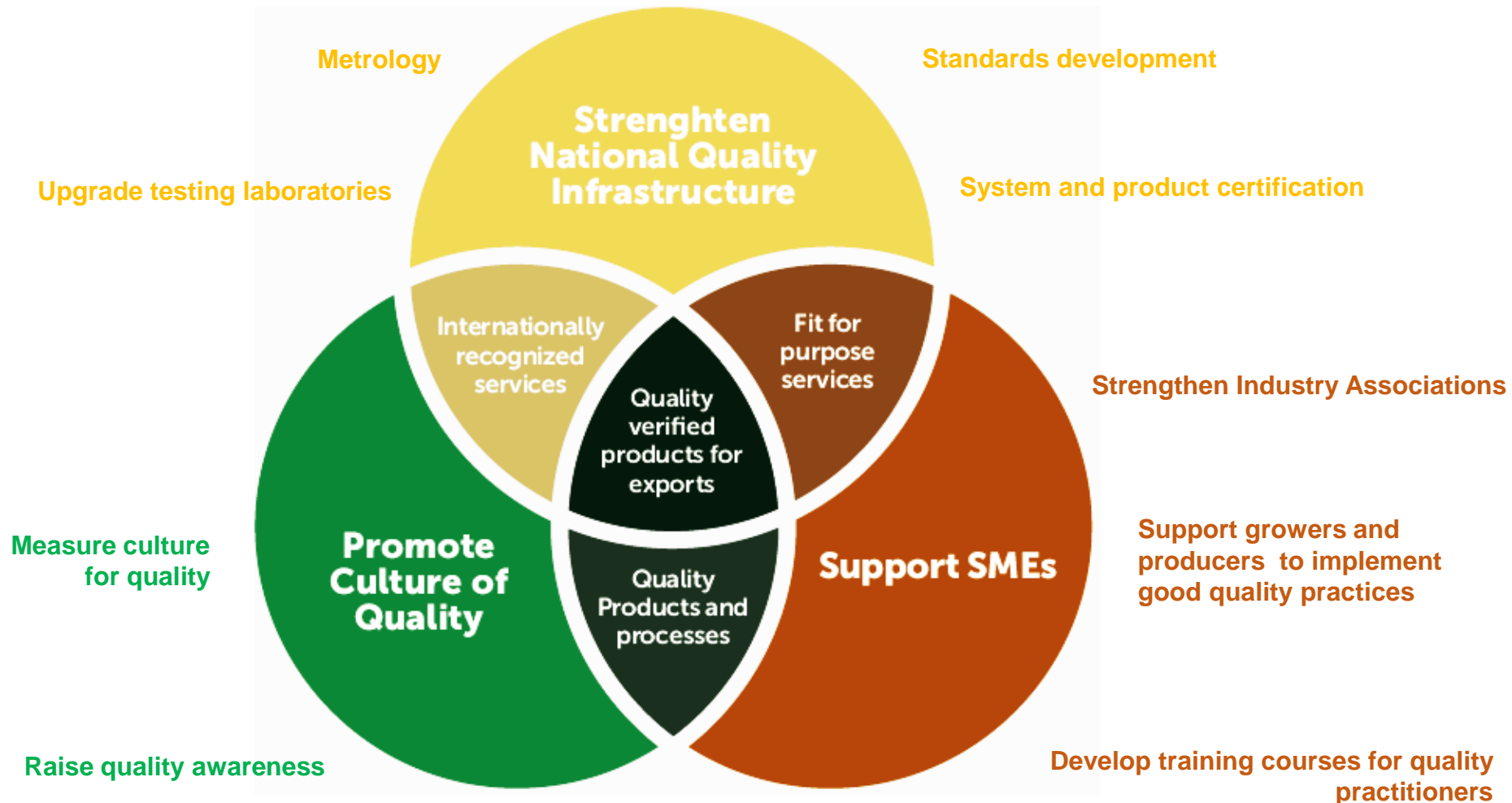
### Partners

- **the dtic** and agencies
- DFFE
- DALRRD and agencies
- Training Providers
- South African Quality Institute (SAQI)
- GIZ – ABS Compliant BioTrade Project
- SIPPO

# Project focus

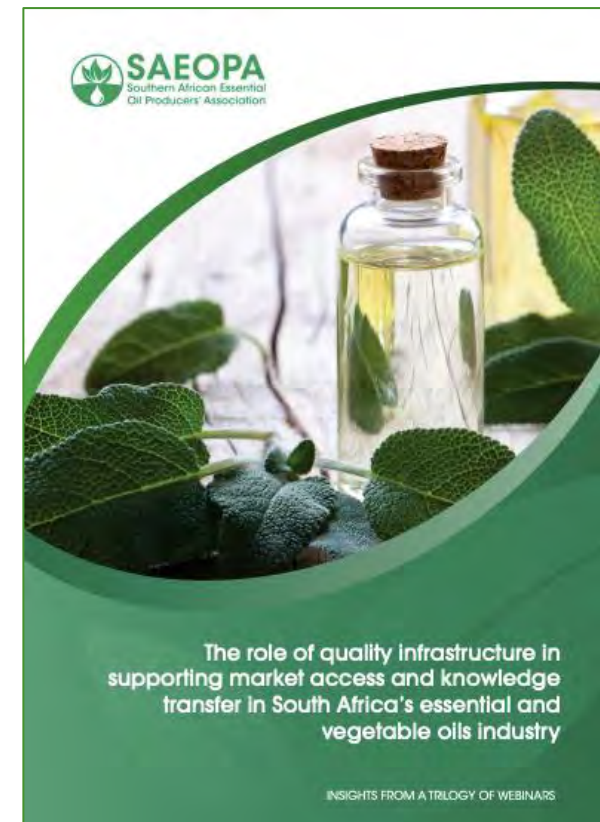
Essential Oils	Vegetable Oils
<ol style="list-style-type: none"> <li>1. Pelargonium, var Rose (Rose geranium)</li> <li>2. Eriocephalum punctulatus (Cape Chamomile),</li> <li>3. Agathosma spp. (Buchu),</li> <li>4. Helichrysum spp</li> <li>5. Lippia spp</li> </ol>	<ol style="list-style-type: none"> <li>1. Adansonia digitata (Baobab),</li> <li>2. Schlerocarya birrea (Marula),</li> <li>3. Citrillus lanatus (Kalahari melon),</li> <li>4. Ximenia spp</li> <li>5. Manketti/Mongongo</li> </ol>

### 3 OUTCOMES



# Role of the SA Quality Infrastructure in facilitating trade

- Not an easy story to tell
- Trilogy of webinars
- Technical brochure on QI supporting the VCs for market access published





# Standards



International  
Organization for  
Standardization

+/- 140 ISO  
standards on  
essential oils

Can be a direct  
adoption from  
an ISO standard  
to become and  
ISO/SANS  
standard

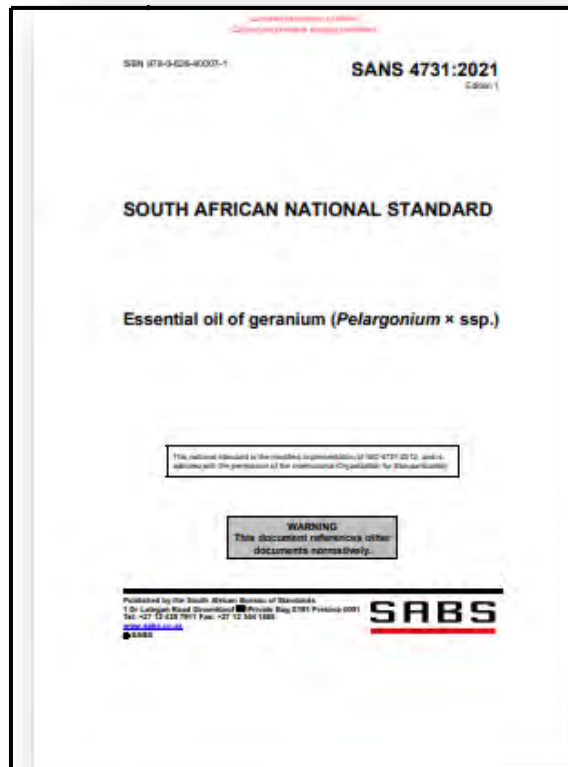
**SABS**  
**STANDARD**

THE SOUTH AFRICAN  
BUREAU OF STANDARDS

Industry  
knowledge forms  
the basis for  
creating national  
standards and/or  
influence  
international  
standards through  
participation and  
consensus  
processes in  
support of global



# Standards



Newly developed  
South African  
Standard for  
Baobab seed oil.  
Unique to South  
Africa and recently  
published by the  
SABS.

Applied ISO 4731  
and adapted the oil  
profile standard to  
be in line with the  
South African  
produced oil.

Now available at  
the SABS as a  
South African  
National Standard  
for Baobab seed oil



SABS Technical  
Committee (TC)  
0040

# Support for (accredited) testing of essential oil physical and chemical quality

- Agriculture Research Council - research
- NMISA – commercial (export ready SMEs)
- University of Limpopo – supporting process improvement



## Strengthening SAEOPA to support the industry

- Production Guides for the project focus oils
- Webinars on EU requirement market requirements – CLP Guidelines – Regulations (ECHA)
- Local regulations – prepackages and legal metrology requirements – Information Brochure

## Learning programmes for SMEs

- Initiated by developing a learning programme on quality and quality concepts, focusing on Rose Geranium – its cultivation and oil processing processes within the context of identification and management of quality and critical quality controlling points.
- Plans for in-person learning then moved to virtual learning because of the Covid-19 situation.
- November 2021 – 5 half-day virtual presentation on the above noted point
- March & April 2021 - half-day virtual quality awareness presentation on a summarized version of the November 2021 programme.
- 2021 Saw the need for the development of a learning curriculum for processors of essential and vegetable oils – a 7 level learning curriculum was developed

# Learning programmes supporting the strengthening of essential and vegetable oil quality in South Africa

## Learning focus points

- What quality is
- What constitutes a quality oil – quality characteristics
- Quality controlling mechanisms – quality control + quality assurance + quality management + QMS principles + QMSs generally
- Processes – customer + cultivation + oil processing + delivery
- Aspects having an impact on the quality of the oil
- Recording of results – creating forms & importance of and guidelines for recording of data
- Defining processes – process flows + procedures
- QMS documentation – basics of design & development, implementation and maintenance

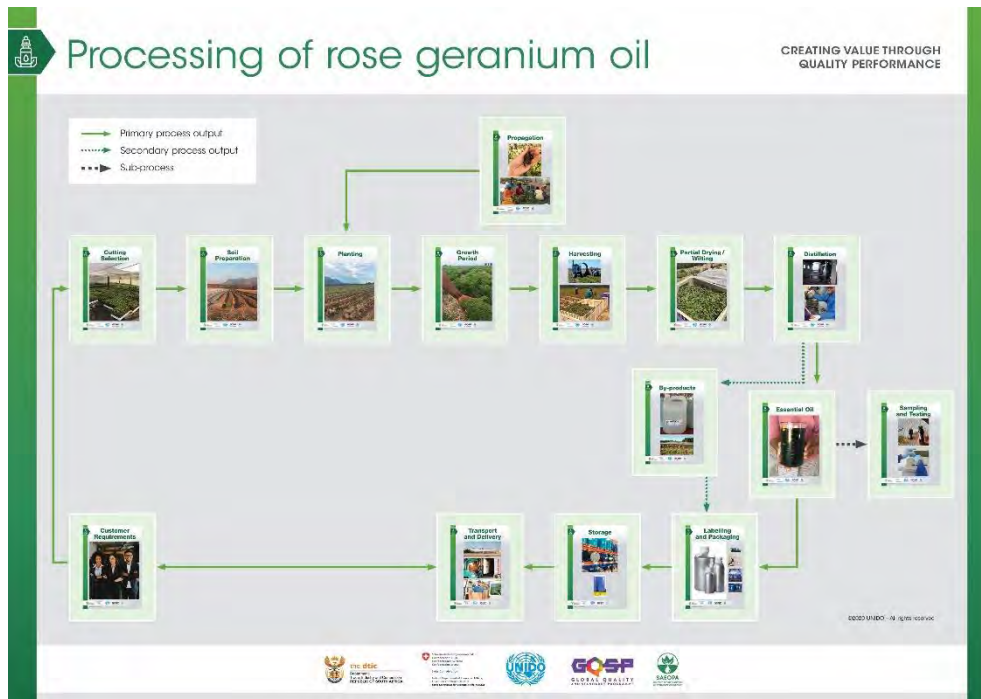
# Learning programmes supporting the strengthening of essential and vegetable oil quality in South Africa

## Rose Geranium quality focused programme

### Awareness programme (Virtual)

Creating value through quality performance

Cultivating an awareness towards quality



### Quality programme (Virtual)



**Quality, the foundation of world-class essential oils**



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# Learning programmes supporting the strengthening of essential and vegetable oil quality in South Africa

## Level 1 programme (Virtual)

### Creating value through quality performance

A culture of quality in the essential and vegetable oil value chains



## Level 2 programme (Virtual)

### Creating value through quality performance

Development and application of quality check point forms



## Level 3 programme (Virtual)

### Creating value through quality performance

Development and application of processes and documents



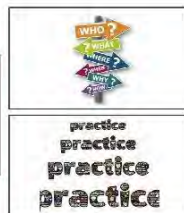


# Learning programmes (continued) - 2022

## Level 4 training (In-person)

### Creating value through quality performance

A practical application of processes,  
procedures and forms



## Level 5 training (In-person)

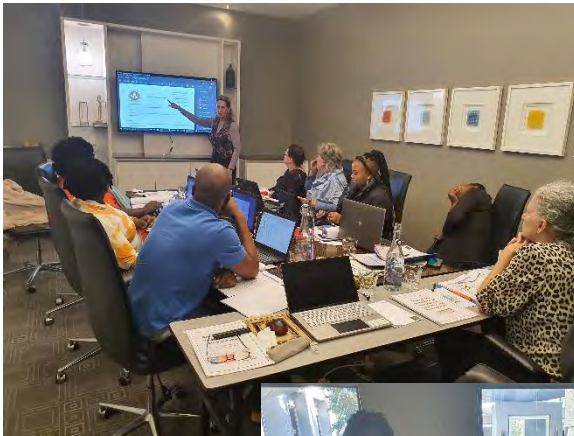
### Creating value through quality performance

Quality fundamentals for essential and  
vegetable oils



## Learning programmes – Level 4

### Level 4





## Learning programmes – Level 5



# Strengthening strategic partnerships with institutions active in the EO & VO sector – bi- and multi-lateral collaboration

## Benefit for SMEs



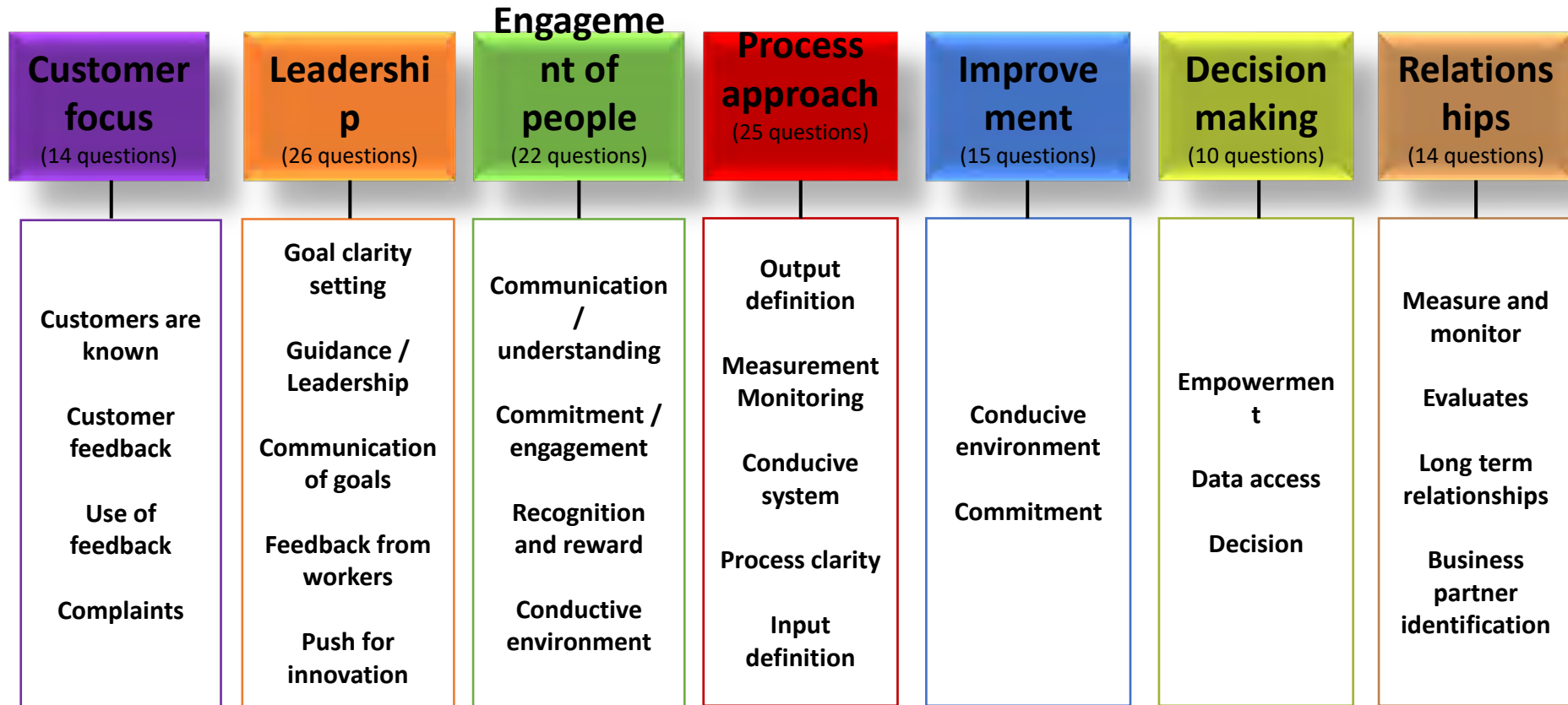
# Culture 4 Quality (C4Q)

## Culture for Quality:

The pattern of beliefs, values and behaviour of an organization that are demonstrated in daily activities and impact the quality of the organization's processes, products and services.



# 7 Pillars as a baseline to the Culture 4 Quality



# Culture 4 Quality (C4Q)

- C4Q diagnostic tool application workshop conducted on 19 July 2022
- Answers to questions are designed to produce a diagnostic result of the level of application of the 7 pillars, with yes / no / don't know as options for answers.
- Value chain focus was on the cultivation and processing of essential and vegetable oil.
- Influencers in the value chain ecosystem participated on a rerun – this time using an electronic tool – 19<sup>th</sup> July 2022
  - **Quality Infrastructure Institutions** = NMISA, NRCS, SABS, SANAS
  - **Support Organisation** = SAACB, SAEOPA, SAQI
  - **Conformity Assessment Body** = NLA-SA
  - **Opinion Former** = Expert
  - **SMEs**

# Support to **the dtic** through a Quality Forum

<https://www.qualityforumsa.org>





# THANK YOU!