



THE FUTURE OF THE WESTERN CAPE AGRICULTURAL SECTOR IN THE CONTEXT OF THE 4TH INDUSTRIAL REVOLUTION

Annexure F: Interview discussion framework

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A. A REVIEW OF THE GLOBAL AGRICULTURAL ENVIRONMENT

1. In your expert opinion, what are the **3 most important megatrends** that will **reshape the global agricultural environment** over the next **5 years**?

2. What do you see as the **3 most important industry specific change accelerators** (technology, biology, information, consumer, etc.) that will **drive innovation in the global agricultural sector**?

3. In your opinion, what are the **important emerging technologies and innovations** that will **transform global agricultural practices the most** in the next 5 years?

- 3.1 Prioritise these listed technologies and innovations:

1	
2	
3	
4	
5	

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4. In summary, what do you consider to be today's **biggest opportunities and challenges for the global agricultural sector**?

Global agriculture biggest opportunities	Global agriculture biggest challenges

5. Which **countries** in the world are **leading agricultural innovation** and the use of new **technologies**; and with **what innovations and technologies specifically**?

Countries leading agricultural innovation	Examples of innovation and new technologies (case studies)

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B. THE WC AGRICULTURE AND AGRI PROCESSING SECTOR: SUSTAINABILITY

6. In considering the implementation of **innovation and new technologies** in the WC agricultural sector is it useful and necessary to **consider adoption differently for small holder and large farmers**?

7.

Yes	No

Please explain your answer:

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7. In your opinion, what are the **important emerging technologies** that will **transform agricultural practices in the WC agriculture and agri processing sector most** in the next 5 years.

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7.1 Prioritise these listed technologies and innovations:

1	
2	
3	
4	
5	

8. What are the necessary **enablers and support systems** required to facilitate the **adoption of innovation and new technologies in the WC agriculture sector**?

Enablers: what will create the conditions for more rapid adoption?	Support systems: what will ensure that new technologies are successfully implemented?

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9. Overall, what are the most **logical, affordable and effective direct interventions today to ensure sustainable farming** in the **WC** in the medium to long term? How would these interventions be **best supported**?

Interventions for sustainability	Support required

10. To ensure the **long-term sustainability of the WC agricultural and agri processing sector**, what are the major socio-economic, ecological, technology and policy **challenges that need to be addressed** (discuss and rank):

Implications	Outcome	Rank
<i>Social</i>		
<i>Technological</i>		
<i>Ecological</i>		
<i>Political</i>		
<i>Other</i>		

11. Considering the **WC agricultural sector value chain**, what are the **important innovations required** to ensure the **growth and sustainability of the sector**?

Sub-Sectors	Required Innovations
Supply: land, financial resources and energy, etc.	
Production: seed, fertilisers, pesticides, feed, equipment, production systems, labour; packaging etc.	
Post production: storage, safety and quality, value add and processing, etc.	

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Market and consumers: distribution to wholesale and retail, and consumer demands and trends, etc.	
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12. What overall **policy changes are required to enable the WC agricultural sector to reap the opportunities** associated with the **4IR**, and to **minimise the negative effects and unintended consequences?**

C. **SUMMARY AND CONCLUSIONS**

13. **Concluding comments:**