

SOUTH AFRICA

eCertification Platform / Ecosystem

South Africa's experience in implementing ePhyto

By: Thembelani Theophilus Pongolo

Date: 21 June 2023



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& rural development

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WTO SPS Agreement(Three sisters)

- Standard setting bodies
- Codex
- OIE
- IPPC- International Standard for Phytosanitary Measures
- **Article IV of the Revised Convention**
- 1. a(iv) Responsibilities of an official NPPO shall include the following;
- the Issuance of certificates relating to phytosanitary condition and origin of consignment of plants and plant products(hereinafter referred to as “phytosanitary certificates”)



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eCert System Development for South Africa

- International Standard for Phytosanitary Measures (ISPM)
- Phytosanitary certification system (ISPM 7)
- Phytosanitary certificates (ISPM 12)
- Appendix 1
- **IPPC Article V- Phytosanitary certificate requirements**
- Authenticity
- Integrity
- Nonrepudiation



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Main Goals for the eCert Project

Electronic Certification & Inspection Results

Create electronic versions for both Phyto and PQI Inspections (Orchards, Fruit & General Commodities)

Pre-verification Processes

Ensure protocols are adhered to and checks are done through out the management of orchards.

Improve Process Efficiency

Reduce the time and effort across the various processes in order to obtain an ePhyto

Application Processing through Systems

Improve access to trade and decrease the time taken to obtain An ePhyto

Electronic Proof of Compliance

Remove the previous paper based system and create digital certification

Resource Management

Enable Managers to assign workload to teams for both ePhyto's and PQI Inspections

Go Paperless

Reduce the paper trail as much as possible. Reduce costs for both DALRRD; IS & Clients

Passing of Phyto Sanitary Data to the IPPC Hub (Export)

Ensure that data (XML) is communicated correctly to the IPPC HUB for export



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Nam eget lorem id ligula
elementum efficitur. Etiam auctor



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eCert System Development for South Africa How?

- Development of national system capable of producing electronic phytosanitary certificate(eCertification)
- ~~Paper form~~
- **ePhyto**
- Transmission- IPPC Hub & TRACES



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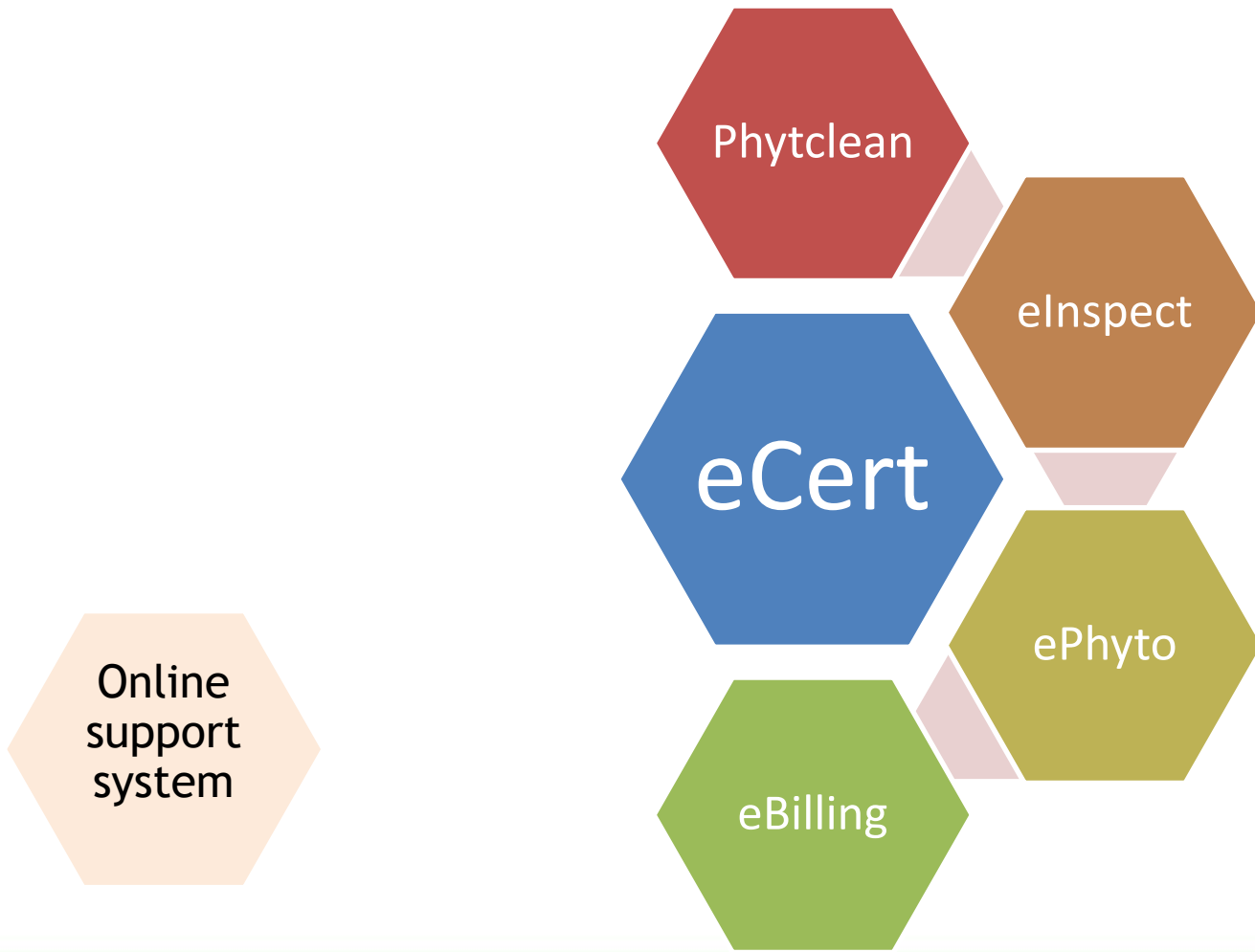


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eCert Ecosystem(Export)



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Application Dashboard


admin@ecert.co.za

Issuing Location:
Age:
Submitted?

Save Filter(s)
Most Recent Filter(s)
Clear Filter(s)

DRAFT: 5653
SUBMITTED: 2003
APPROVED: 371337
REJECTED: 35490
CANCELLED: 446
WITHDRAWN: 2219
ALL: 417259

Export to Excel

Search

	Agreement	Application T...	Country	App Ref No.	Issuing Location	Consignor	Consignee
	GENERAL_INDIA	PHYTO	India	NPPO-ZA/2021/9/448213	Kempton Park	CORTEVA SEEDS RSA (PTY) LTD	PIONEER HI PRIVATE LIM
	GENERAL_CHINA	PHYTO	China	NPPO-ZA/2021/9/454808	Kempton Park	MAYO MACS SA PTY LTD	DONGXING C YICHENG FO DEVELOPME LTD.
	GENERAL_EU	PHYTO	Hungary	NPPO-ZA/2021/6/387028	Durban	GREG FISH AGENCIES CC	RUBIN SZEGI PAPIKAFEL KFT
	GENERAL_TAIW...	PHYTO	Taiwan	NPPO-ZA/2021/8/445138	Durban	ETC AGRO (PTY) LTD	FONEN AND FONHER ENTERPRISE LTD
	GENERAL_TAIW...	PHYTO	Taiwan	NPPO-ZA/2021/8/445119	Durban	ETC AGRO (PTY) LTD	FORMOSA OI PROCESSING LTD.
	GENERAL_JAPAN	PHYTO	Japan	NPPO-ZA/2021/9/452814	Durban	SEABOARD OVERSEAS TRADING & SHIPPING (PTY) LTD	MARUBENI CORPORATIO
	GENERAL_IRAQ	PHYTO	Iraq	NPPO-ZA/2021/9/450970	Port Elizabeth	GROWN4U (PTY) LTD	TAREIQ AL SHUOHRA CO
	GENERAL_INDIA	PHYTO	India	NPPO-ZA/2021/9/448555	Port Elizabeth	GROWN4U (PTY) LTD	HGS INTERNATIO



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What makes the DALRRD ePhyto stand out?

Currently in the Top 5 ePhyto Systems in the World
What do we base this on? Other NPPO's feedback/Industry?

- ▶ QR Code
- ▶ PDF 417
- ▶ NPPO Module
- ▶ Electronic Signature and Stamp on PDF
- ▶ Digitally Sealed PDF
- ▶ Digital Signing (Sending date to the IPPC Hub and TRACES)

eCert REPUBLIC OF SOUTH AFRICA
PHYTOSANITARY CERTIFICATE
PLANT PROTECTION ORGANISATION OF THE REPUBLIC OF SOUTH AFRICA

PHYTOSANITARY CERTIFICATE NUMBER:
NPPO-ZA/2021/9472119

TO: PLANT PROTECTION ORGANISATION(S) OF: Iraq

I. DESCRIPTION OF CONSIGNMENT


1. Name and address of exporter: UNICHoice PRODUCE DIRECT (PTY) LTD POLO VILLAGE OFFICES UNIT B2, VAL DE VIE ESTATE R01 JAN VAN RIEBEECK DRIVE PAARL, 7546, SOUTH AFRICA	2. Declared name and address of consignee: TAREIQ AL SHUOHRA CO. BASRAH AM GASER ,SAFWAN, AL RESALA IRAQ	
3. Number and Description of Packages: 1600 CARTON(S) OF FRESH ORANGES	4. Distinguishing Marks: MNEU346687	
5. Place of Origin: THE REPUBLIC OF SOUTH AFRICA	6. Declared means of conveyance: SEASPAN LERU 133E	7. Declared point of entry: UMM QASR PORT
8. Name of Product, Quantity declared and Purpose: FRESH ORANGES 25509.00 NETT KGM/27269.00 GROSS KGM FOR HUMAN CONSUMPTION		9. Botanical Name of Plants: Citrus sinensis


This is to certify that the plants, plant product or other regulated articles described herein have been inspected and/or tested according to appropriate official procedures and are considered to be free from the quarantine pests, specified by the importing contracting party and to conform with the current phytosanitary requirements of the importing contracting party including those for regulated non-quarantine pests. They are deemed to be practically free from other pests.

II. ADDITIONAL DECLARATION

PLANT IMPORT PERMIT NUMBER 350964 DATED 14/06/2021 WAS PRESENTED. *****

III. DISINFESTATION AND/OR DISINFECTION TREATMENT

10. Date: *****	11. Treatment: *****	12. Chemical (Active Ingredient): *****
13. Duration and Temperature: *****	14. Concentration: *****	15. Additional Information: *****
16. Place of Issue: DURBAN		17. Name of Authorised Officer and Signature: R. SUBBAN
18. Date: 21 SEPTEMBER 2021		



No financial liability with respect to this certificate is attached to the organization or department or to any of its officers or representatives.

Benefits of eCert for South Africa

- Real-time data
- Reduce cost & time
- Minimize human error
- Transparency
- Traceability made easy
- Manage risk by automating system checks and mitigate fraudulent activities
- Manage standards and operations across multiple sectors



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Benefits of eCert Cont....

- Centrally manage operators from various sectors
- Remote working
- Improved resources management
- Online inspection request/application
- Single window integration (e.g SARS)
- Use secured & trustworthy system to transmit ePhyto
- Systems approach , CCP & Data(Phytclean)



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Features / Development

- Export control
- Import Control
- Billing for Phyto Inspections
- Scheduled & Automated Invoicing
- Electronic Payment Gateway
- Pastel Integration to Finance



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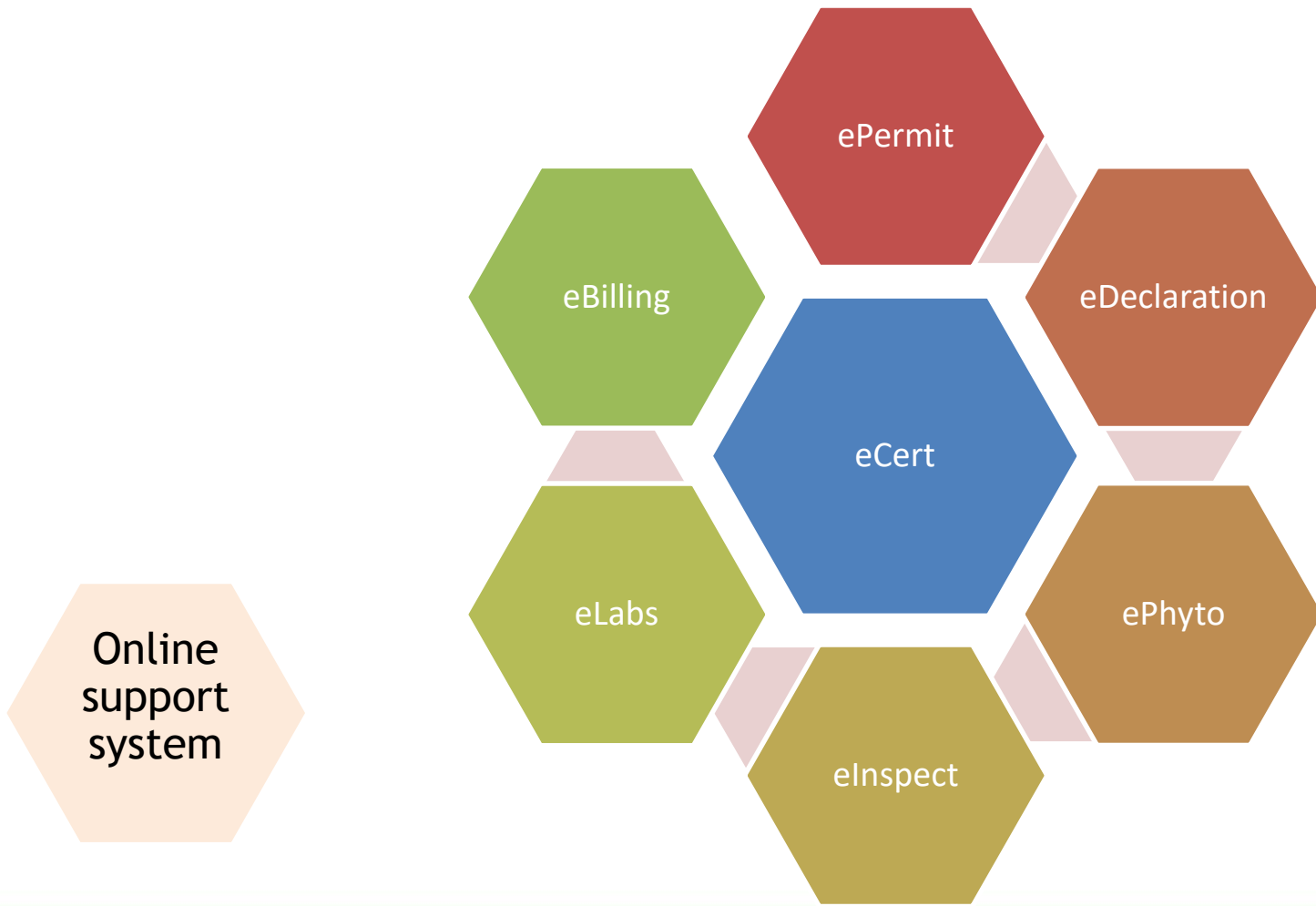


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eCert Ecosystem(future)



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Challenges

- Change management (internal & external)
- Implementation during hard lock down (covid 19), training limited
- Stability of the system due to increased users, and other functionalities
- IT staff had to be trained to understand the phytosanitary environment
- Staff turn over



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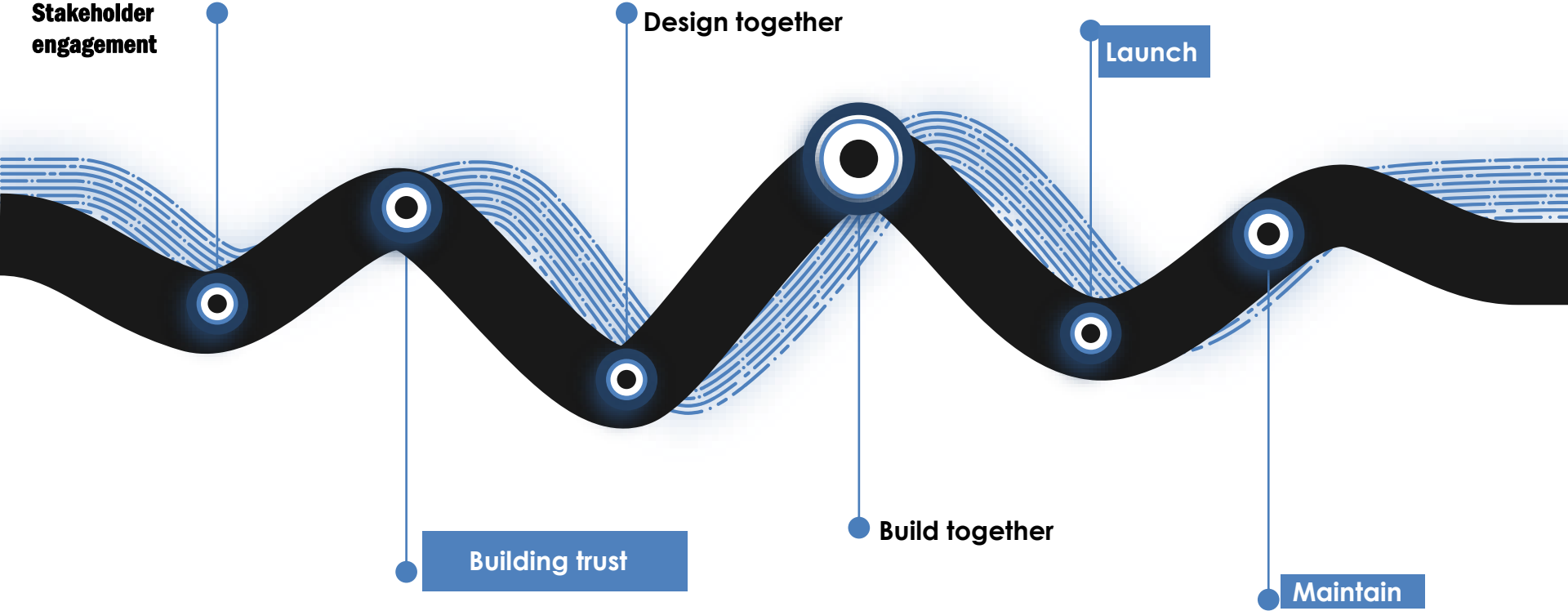


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DESIGN PROCESS FLOW



Bigger picture!

- SPS eCertification system
- WTO TFA – Automation & e-Services
- Single window integration
- Step towards the success of ACFTA, Digital Trade



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Thank you

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More Information:

<https://www.ecert.co.za>

<https://app.ecert.co.za>



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