



# KENYA



## COUNTRY PRESENTATION

**IPPC Global Symposium on Implementation of ePhyto**

**9<sup>th</sup> - 13<sup>th</sup> Nov. 2015, Incheon City**

**Republic of Korea**

**Josiah M Syanda (Kenya)**



# KENYA



# Outline

- Overview of Kenya
- Our journey with E-cert
- Kenya's E-cert experiences
- Highlight lessons learned
- Future E-cert Vision
- Global approaches



# Country Profile -/1



Approximately total area of **591,958 sq km** with **8.01%** arable land

Population **45,546,000** (July 2014 est.) with **2.462%** (2011 est.) growth rate

*(Source UN data 2015)*



# Country Profile -/2

➤ Official language is **English**,  
National language Kiswahili.  
Over 42 ethnic dialects



➤ Industries: Agriculture,  
Mining & processing,  
Transport & communication,  
chemical, Food stuff, Sports





# Growth in ICT usage

- **Mobile cellular**

- Mobile-cellular subscriptions (per 100 inhabitants)2013 - 70.6
- Mobile-cellular subscriptions (per 100 inhabitants)2005 - 12.9

## Internet

- Individuals using the Internet (%)2013 - 39.0
- Individuals using the Internet (%)2005 - 3.1



# Country steps towards ePhyto

- 1997 – National Plant Protection Organization established
- 2000 – Development of Plant Protection System
- 2008 – (MOU) bilateral agreement
- 2009 – initiation of E-certification process (Kenya & Netherlands)
- 2010 – design, development, testing
- 2011 – Piloting & implementation .....



# Electronic Certification System (ECS) –Kenya



Kenya Plant Health  
Inspectorate Service



LogOut

Export Requirements

Pest Status

Employee ID : 3

Employee Name : Josiah Syanda

## OVERVIEW OF SUBMITTED CONSIGNEMENTS

Start Date 08/11/2015

End Date 08/11/2015

Status Submitted

Search

SELECT	Invoice No	Inspector	Date/Time.of.Insp	Insp.Location	Exporter	Dep.Date/Time	App.Date/Time	Pref.Date/Time	UCR No.	CommodityType	Bot.Name	Certificate Type	Quantities	Status
<input type="checkbox"/>	A21010	no Inspector	no assigned date	Kuehne + Nagel	ZENA ROSES LTD	08/11/2015 12:02:00	08/11/2015 10:18:26	08/11/2015 22:02:00		Rose	Rosa spp.	Phytosanitary Certificate	120	SUBMITTED
<input type="checkbox"/>	E49816	no Inspector	no assigned date	Kuehne + Nagel	ZENA ROSES LTD	08/11/2015 12:41:00	08/11/2015 10:18:27	08/11/2015 10:41:00		Rose	Rosa spp.	Phytosanitary Certificate	40	SUBMITTED
<input type="checkbox"/>	E49812	no Inspector	no assigned date	Kuehne + Nagel	ZENA ROSES LTD	08/11/2015 12:19:00	08/11/2015 10:18:28	08/11/2015 10:19:00		Rose	Rosa spp.	Phytosanitary Certificate	60	SUBMITTED
<input type="checkbox"/>	E49810	no Inspector	no assigned date	Kuehne + Nagel	ZENA ROSES LTD	08/11/2015 12:25:00	08/11/2015 10:18:27	08/11/2015 10:25:00		Rose	Rosa spp.	Phytosanitary Certificate	60	SUBMITTED
<input type="checkbox"/>	E49811	no Inspector	no assigned date	Kuehne + Nagel	ZENA ROSES LTD	08/11/2015 12:33:00	08/11/2015 10:18:27	08/11/2015 10:33:00		Rose	Rosa spp.	Phytosanitary Certificate	300	SUBMITTED
<input type="checkbox"/>	E49813	no Inspector	no assigned date	Kuehne + Nagel	ZENA ROSES LTD	08/11/2015 12:10:00	08/11/2015 10:18:28	08/11/2015 10:10:00		Rose	Rosa spp.	Phytosanitary Certificate	140	SUBMITTED
<input type="checkbox"/>	T22128	no Inspector	no assigned date	Kuehne + Nagel	ZENA ROSES LTD	08/11/2015 11:01:00	08/11/2015 10:18:30	08/11/2015 09:01:00		Rose,Carnation	Rosa spp.,Dianthus spp	Phytosanitary Certificate	90	SUBMITTED
<input type="checkbox"/>	E49815	no Inspector	no assigned date	Kuehne + Nagel	ZENA ROSES LTD	08/11/2015 11:10:00	08/11/2015 10:18:29	08/11/2015 09:10:00		Rose,Carnation	Rosa spp.,Dianthus spp	Phytosanitary Certificate	260	SUBMITTED
<input type="checkbox"/>	E49814	no Inspector	no assigned date	Kuehne + Nagel	ZENA ROSES LTD	08/11/2015 11:51:00	08/11/2015 10:18:29	08/11/2015 09:51:00		Rose	Rosa spp.	Phytosanitary Certificate	30	SUBMITTED
<input type="checkbox"/>	T22131	no Inspector	no assigned date	Kuehne + Nagel	ZENA ROSES LTD	08/11/2015 11:56:00	08/11/2015 10:22:10	08/11/2015 09:56:00		Rose	Rosa spp.	Phytosanitary Certificate	120	SUBMITTED

Show Details Assign Inspector Exit



# Electronic Certification System (ECS) – Functions

- Collection of Consignment data – Client keys data in the system
- Communication – Government (G) to Business (B) and B to G
- Maintaining import regulations
- Auto generate Phytosanitary certificates
- Payments management
- Certified copies management
- Record of Lab analysis results and growing season inspection results
- Statistical data



# Electronic Certification System (ECS) –Usage

- >1500 External users since July 2011

>892,000 Phytosanitary certificates issued since July 2011

> 60800 Certificates received in the same period

System now integrated with the National Single Window System

No. 0236566

MINISTRY OF AGRICULTURE  
KENYA PLANT HEALTH INSPECTOR SERVICE (KEPHIS)  
PHYTOSANITARY CERTIFICATE  
Provisional Proforma (Export) Act Cap 319

1. Name and address of exporter PALAYS HORTICULTURE K LTD PO Box 10222 - 00401 NAIROBI Kenya	2. PHYTOSANITARY CERTIFICATE No. KEPHIS01141800315
3. Consignee name and address of consignee Fragra Fresh Produce UK Ltd 1 Cockwell Close, Llanvigeir, G51 2HS United Kingdom	4. To Plant Protection Organization of United Kingdom
5. Place of Origin Kenya	6. Declared means of conveyance By Air
7. Declared point of entry London	8. Despatching marks Labelled
9. Number and Description of packages 40 Boxes of 1000 KG	10. Name of Produce Onions, Mixed Varieties
11. Botanical name of plants Capsicum sp. Various	12. Quantity declared 1288 Kgs. 1000 KG
13. This is to certify that the plant described above Have been inspected according to appropriate procedures, are considered to be free from quarantine pests and practically free from other harmful pests in conformity with the current phytosanitary regulations of the importing country.	
14. Additional declaration	
15. Disinfection and/or sterilisation treatment ---	Date: 21/02/2015
16. Chemical (active ingredient) ---	Signature of Inspector PLANT INSPECTOR
17. Duration and temperature ---	Signature of Authorizing officer
18. Concentration ---	Signature of Authorizing officer
19. Cate ---	Signature of Authorizing officer
20. Any additional information ---	Signature of Authorizing officer

Notes: The certificate shall be completed in (horizontal or in block capital)  
No financial liability with respect to this certificate shall attach to Kenya Plant Health Inspector Service  
to any of its officers or representatives.



# Country ePhyto Status -/1

- **Successes**

- There exists a National Plant Protection Organization
- There is a national ICT legislation
- Political goodwill and support
- Kenya has National Phytosanitary Certification System
- National Certification System generates ePhyto for export consignments
- Bilateral exchange with The Netherlands (Parallel)



# Country ePhyto Status -/2

- **Limitations**

- High costs of establishing a system (~960,000 euro)
- Though there is an import system in place but module for receiving ePhyto not developed
- institutional financing to support ePhyto (infrastructure and maintenance)
- Budgetary support to participation in international fora.



# Kenya's E-cert experiences

- **National level**
  - Existing systems (integration or compromise)
  - Capacity – Institutional and Private sector
  - Legislation – revised to allow e-trade
  - National institutional organization – other agencies ??
- **International level**
  - Regional treaties/ agreements/ legislation
  - Type of data to be exchanged
  - Data exchange mechanism
  - Timelines for data transmission
  - Timelines for transition from paper to paperless certificates





# Kenya's E-cert -lessons learned -/1

- National legal framework to enable electronic trade, political good will
- Due consideration of Existing legislation/ international treaties and agreements is critical
- Level of industry development – large scale vs. small scale
- Institutional capacity – competence, skill, personnel, infrastructure



# Kenya's E-cert -lessons learned -/2

- Institutional organization – other government agencies involved in certification process
- Stakeholders – consider their interest that would be affected by e-certification
- Agreement on technology and method of implementation both is critical
- Electronic exchange of data is significantly more efficient, convenient and secure than printed certificates



# Kenya's E-cert - lessons learned -/3

- Considerable investment required to deal with non-standard data requirements
- Updating the systems, notification of system outages, handling support issues, etc.)
- Integration of multiple languages and time zones
- A transition period and fallback plan is essential



# Kenya's E-cert – Future

- Most Government services now offered online

Encourages Government to Government exchange of electronic Phytosanitary certificate data (Hub or otherwise)

Integration of National Phytosanitary System with the National Single Window System

Full implementation of ePhyto – paperless certification



# Kenya's E-cert - Global Approach

- Need to harmonize Phytosanitary certificate data to be exchanged
- Learn from existing bilateral solutions to build Multilateral Trade Platform (The Hub)
- Willing to participate in the Global ePhyto Pilot project
- Appeal to developed countries and development partners for institutional capacity development. (Technical & infrastructure)
- Developing countries to be exempted from paying for Hub usage





# Ahsanteni – Thank you



OR



Contact Information

The Managing Director  
Kenya Plant Health Inspectorate Service  
Po Box 49592 00100 Nairobi

[director@kephis.org](mailto:director@kephis.org)

[www.kephis.org](http://www.kephis.org)

