

# KENYA'S



## EXPERIENCE



### VISION

The lead regulatory agency in agriculture

### MISSION

To provide an effective and efficient science-based regulatory service for assurance on quality of agricultural inputs and produce thereby promoting sustainable economic growth and development

**Open-Ended Working Group  
(OEWG) on IPPC Phytosanitary  
E-Certification**

**Seoul, Republic of Korea,  
07<sup>th</sup> to 10<sup>th</sup> June, 2011.**

David Mbarani/Josiah Syanda





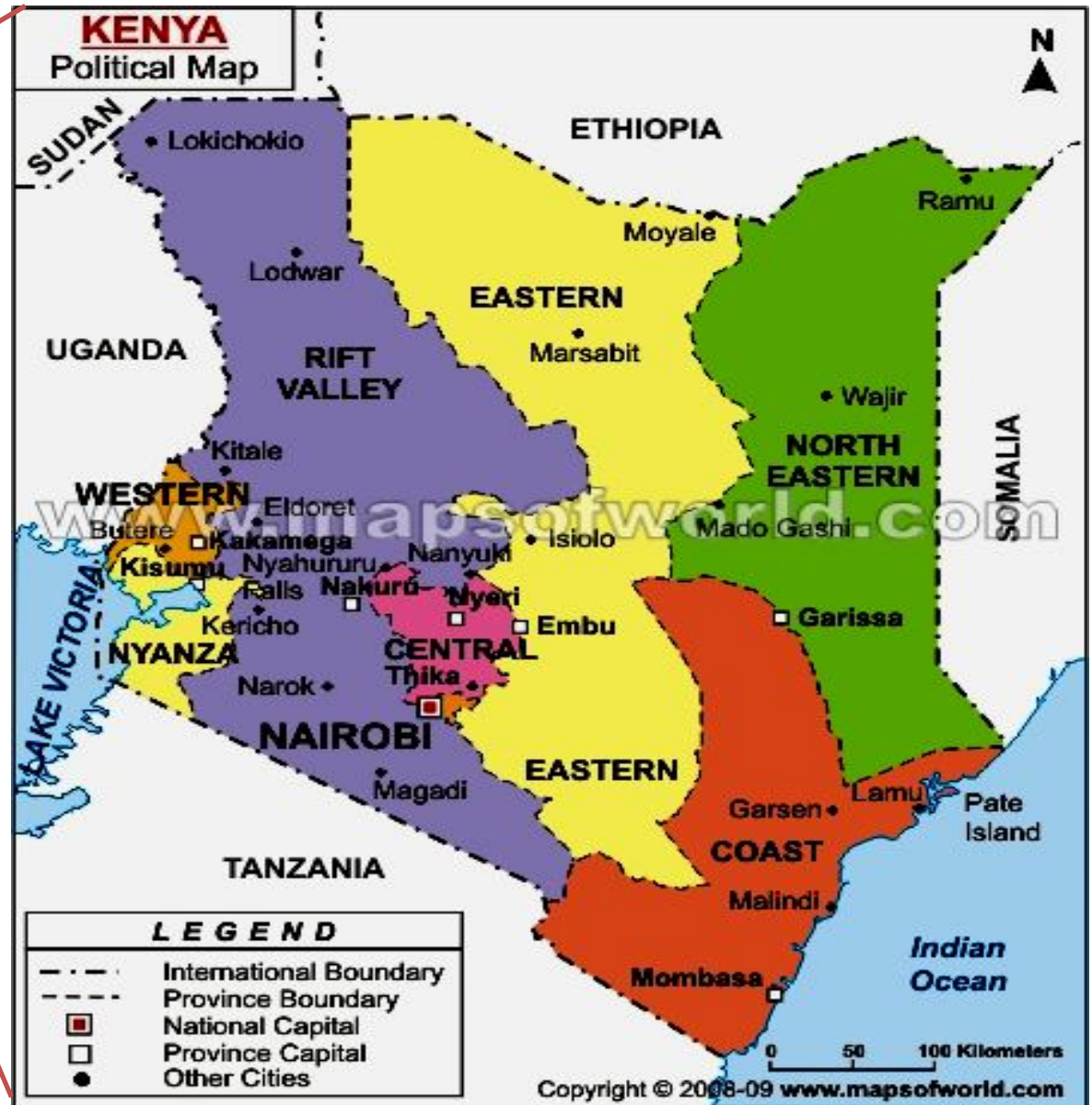
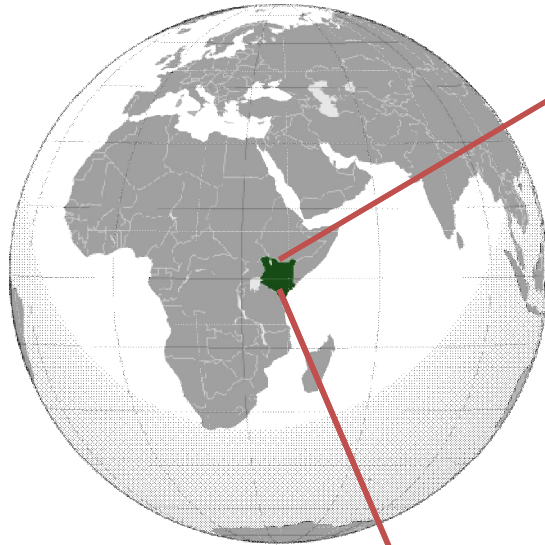
# OUTLINE



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



# LOCATION OF KENYA





# Country Profile



- Approximately total area of **580,370 sq km (224,081 sq miles)** with **8.01%** arable land
- Population **40,046,566** (July 2010 est.) with **2.462%** (2011 est.) growth rate
- Official language is **English**, National language Kiswahili. Over 42 ethnic dialects
- Industries: Agriculture, Mining & processing, Transport & communication, chemical, Food stuff





# Institutional arrangements



Ministry of Agriculture

KENYA PLANT HEALTH INSPECTORATE  
SERVICE- NPPO





# FLOWER GROWING AREAS



## KENYA'S FLOWER GROWING REGIONS

### RIFT VALLEY

Kenja, Thana Nzoia, Uasin Gishu,  
Nandi, Kapladu, Nakuru, Nakuru

### CENTRAL KENYA

Nairobi, Nyandarua, Kiambu, Limuru,  
Muranga, Meru, Thika, Nanyuki

### EASTERN KENYA

Machakos, Meru Central, Embu



Kenya Flower Council  
Creating Prosperity

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Email: [info@kephhis.org](mailto:info@kephhis.org)  
[marketing@kephhis.org](mailto:marketing@kephhis.org)  
[web@kephhis.org](mailto:web@kephhis.org)





# Kenya's E-cert experiences

## Our Journey



- 1997 – National Plant Protection Organization established
- 2000 – Development of Plant Protection System
- 2002-First experience on Application of Information Technology in Export Certification at CFIA-CANADA
- 2009 – initiation of E-certification process (Kenya & Netherlands)
- 2010 – design, development, testing
- 2011 – Piloting/Live Run .....





# Kenya's E-cert experiences

## Our Journey



- 2009 –2011
- Business area analysis,
- Architectural design,
- Software development
- Deployment of a web based application.
- Piloting – exporters supply certification data to **KEPHIS** electronically for verification and approval prior to the hard copy certificate being printed and issued .





# Kenya's E-cert experiences



## Design principles

- **Bilateral approach**

- 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

- **National level**

- Existing systems
- Capacity
- Legislation
- National institutional organization – other agencies ??





# Kenya's E-cert experiences

## lessons learned so far



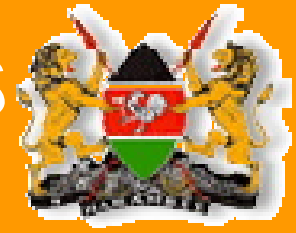
- Due consideration of Existing legislation/ international treaties and agreements is critical
- National legal framework to enable electronic trade.
- Level of industry development – large scale vs. small scale
- Institutional capacity – competence, skill, personnel, infrastructure





# Kenya's E-cert experiences

## lessons learned so far



- 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 is critical
- Electronic exchange of data is significantly more efficient, convenient and secure than printed certificates





# Kenya's E-cert experiences

## lessons learned so far



- 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 experiences

## The Future



- Government to Government exchange of electronic Phytosanitary certificate data.
- Facilitating pre-clearance of consignments in importing countries (faster trade)
- Reuse of information (Enhanced documentation logistics for various agencies)
- Improve risk management (e.g. reduced fraud, authenticity assurance)
- Reduced costs – less paper, time saving





# Kenya's E-cert experiences


## Global Approach





- Develop a **common understanding of the Phytosanitary certificate data to be exchanged**
- Learn from existing bilateral solutions to build **Multilateral Trade Platform**
- Formulate **Standard rules of engagement to help in dispute resolution.**
- Appeal to developed countries and development partners for institutional capacity development.



# ECS LOGIN SCREEN



**Kenya Plant Health  
Inspectorate Service**  
Electronic Certification System



HomeAbout UsContact UsEmployee LoginClient Login

**VISION**

The lead regulatory agency in agriculture


**MISSION**

To provide an effective and efficient science-based regulatory service for assurance on quality of agricultural inputs and produce thereby promoting sustainable economic growth and development

**CORE VALUES**

In providing services, KEPHIS is committed to good governance guided by:

- Customer focus
- Transparency
- Integrity
- Teamwork
- Social Responsibility



**Client Login**

\* indicates required fields

User Name\*

Password\*

[Apply for Client Registration](#)

# ECS CLIENT SCREEN

Logout
Export Requirements
Pest Status
My Profile
Client ID : Pub/2010/t001
Client Name : Tobacco trading

Menu

v of consignments
v of Submitted consignments
Consignees
Producers
Preferences
Preferences
Details

OVERVIEW OF CONSIGNMENTS

Select	Client ID ▼	Invoice NR ▼	Consignment ID ▼	Application Date ▼	Destination ▼	Status ▼	Status Date ▼	Total Weight
<input type="radio"/>	Pub/2010/t001	NT-000016902eua19	85	06/03/2011 09:56:00	The Netherlands	REJECTED	06/03/2011 09:59:57	50000
<input type="radio"/>	Pub/2010/t001	NT-000016902eua1	84	06/03/2011 08:16:20	The Netherlands	REJECTED	06/03/2011 08:21:34	50000
<input type="radio"/>	Pub/2010/t001	NT-1860099	83-B	06/03/2011 07:48:39	The Netherlands	ISSUED	06/03/2011 08:09:07	25000
<input type="radio"/>	Pub/2010/t001	NT-000016902eua	83	06/03/2011 07:48:39	The Netherlands	SPLIT	06/03/2011 08:03:52	50000
<input type="radio"/>	Pub/2010/t001	NT-1569999	83-A	06/03/2011 07:48:39	The Netherlands	SPLITTEDCONSIGNMENT	06/03/2011 08:01:33	25000
<input type="radio"/>	Pub/2010/t001	NTL-000020	73	05/28/2011 12:05:02	Switzerland	EXPIRED	05/30/2011 07:10:46	4000
<input type="radio"/>	Pub/2010/t001	t00321	74	05/28/2011 17:31:34	United Kingdom	EXPIRED	05/30/2011 07:10:46	3000
<input type="radio"/>	Pub/2010/t001	NT-000016902eu	62	05/25/2011 12:24:58	The Netherlands	EXPIRED	05/29/2011 07:10:46	50000
<input type="radio"/>	Pub/2010/t001	NTL-00002B77	68	05/27/2011 08:13:43	The Netherlands	EXPIRED	05/29/2011 07:10:46	6000
<input type="radio"/>	Pub/2010/t001	NTL-00002B778	69	05/27/2011 11:05:15	The Netherlands	EXPIRED	05/29/2011 07:10:46	6000

1 2 3 4 5 ... >>

New
Edit
Copy
Archive
Split
Show
Show Export Status
Submit
Retract

# ECS SUBMITTED CONSIGNMENT SCREEN



**Kenya Plant Health  
Inspectorate Service**  
 Electronic Certification System




[LogOut](#) | [Export Requirements](#) | [Pest Status](#)

Employee ID : 1      Employee Name : David Mbarani

**Main Menu**

- Overview of Assigned Inspections
- Record Field Inspection Result
- Overview of Clients
- Maintain Reference Data
- Maintain Types of Safeguards
- Maintain Safeguards Status
- Maintain Client Types
- Overview of Submitted Consignments**
- Overview of Certificates to be Issued
- Overview of Issued Certificates
- Overview of Cancelled Certificates
- Overview of Requirements
- Overview of Corrected Consignments
- Maintain Users
- Maintain User Roles
- Maintain Inspectors
- Maintain Office Locations
- Operational Reports
- Productivity Reports

**OVERVIEW OF SUBMITTED CONSIGNMENTS**


Select	Consignments ID	Inspector	Date/Time of Insp	Exporter	Dispatch Date/Time	App. Date/Time	Print Date/Time	Co
<input type="radio"/>	77	Syenda	2011-05-31 19:58:00	MAHEE FLOWERS	05/31/2011 21:09:00	05/31/2011 14:02:48	05/31/2011 12:58:00	
<input type="radio"/>	76	Olubayo	2011-05-30 18:00:00	OSERIAN DEV COMPANY	05/30/2011 21:09:00	05/30/2011 15:11:17	05/30/2011 19:40:00	
<input type="radio"/>	75	Otenyo	2011-05-30 18:00:00	OSERIAN DEV COMPANY	05/30/2011 23:11:00	05/30/2011 14:40:41	05/30/2011 20:20:00	
<input type="radio"/>	73	Syenda	2011-05-28 15:57:00	Tobacco trading Co	05/28/2011 23:11:00	05/28/2011 12:05:02	05/28/2011 15:57:00	R
<input type="radio"/>	68	Syenda	2011-05-27 18:13:00	Tobacco trading Co	05/27/2011 20:08:00	05/27/2011 08:13:43	05/27/2011 18:13:00	
<input type="radio"/>	69	Uliare	2011-05-27 17:41:00	Tobacco trading Co	05/27/2011 20:08:00	05/27/2011 11:05:15	05/27/2011 17:41:00	
<input type="radio"/>	72	Uliare	2011-05-28 20:11:00	OSERIAN DEV COMPANY	05/28/2011 23:11:00	05/28/2011 13:26:16	05/28/2011 20:11:00	
<input type="radio"/>	70	Mutevu	2011-05-27 17:55:00	ZENA ROSES LTD	05/27/2011 23:11:00	05/27/2011 15:36:42	05/27/2011 17:55:00	R
<input type="radio"/>	67	Uliare	2011-05-27 18:53:00	Tobacco trading Co	05/27/2011 19:07:00	05/27/2011 07:56:07	05/27/2011 17:53:00	
<input type="radio"/>	2	Syenda	2011-04-27 18:00:00	Tobacco trading Co	04/27/2011 18:06:00	04/26/2011 18:02:32	04/26/2011 18:00:00	

[1](#)
[2](#)
[3](#)
[4](#)
[5](#)
[6](#)
[7](#)
[8](#)



[Show Details](#)
[Assign Inspector](#)
[Exit](#)

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# ECS CERTIFICATE ISSUE SCREEN



**Kenya Plant Health  
Inspectorate Service**  
Electronic Certification System



LogOut | Export Requirements | Past Status

Employee ID : 1 Employee Name : David Mbarani

**Main Menu**

- Overview of Assigned Inspections
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- Maintain User Roles
- Maintain Inspectors
- Maintain Office Locations
- Operational Reports
- Productivity Reports

**OVERVIEW OF CERTIFICATES TO BE ISSUED**

Select	ConsignmentId ▼	Exporter/Client ▼	CommodityType ▼	BotanicalName ▼	InspectedBy ▼	Status ▼
<input type="radio"/>	83-A	Tobacco trading Co	Rose, Carnation	Rosa spp., Dianthus spp	Inspector	SPLITTEDCONSIGNMENT

[Show Details](#) [Show Export Status](#) [Preview Certificate](#) [Issue Certificate](#) [Exit](#)

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# ECS REQUIREMENTS SCREEN



**Kenya Plant Health  
Inspectorate Service**  
 Electronic Certification System




[LogOut](#) | [Export Requirements](#) | [Pest Status](#)
Employee ID : 1
Employee Name : David Mbarani

**Main Menu**  
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[Overview of Submitted Consignments](#)  
[Overview of Certificates to be Issued](#)  
[Overview of Issued Certificates](#)  
[Overview of Cancelled Certificates](#)  
**[Overview of Requirements](#)**  
[Overview of Corrected Consignments](#)  
[Maintain Users](#)  
[Maintain User Roles](#)  
[Maintain Inspectors](#)  
[Maintain Office Locations](#)  
[Optional Reports](#)  
[Productivity Reports](#)

**OVERVIEW OF REQUIREMENTS**

Select	Requirement ID	Commodity Type	Commodity Form	Country Of Destination	Type of Packaging	Requirement Short	Status
<input type="radio"/>	5	Rose	Cutflower	Germany	Box(es)	Rose sp. Cut flower EC plant Health Directive 2000/29/EC Annex IVA1 45.2 <sup>1</sup>	Active
<input type="radio"/>	6	Carnation	Cutflower	Germany	Box(es)	Dianthus spp. Cut flower EC plant Health Directive 2000/29/EC Annex IVA1 27.2 (b) & 32.2 second indent	Active
<input type="radio"/>	2	Rose	Cutflower	France	Box(es)	Rose sp. Cut flower EC plant Health Directive 2000/29/EC Annex IVA1 45.	Active
<input type="radio"/>	4	Carnation	Cutflower	France	Crates	Dianthus spp. Cut flower EC plant Health Directive 2000/29/EC Annex IVA1 27.2 (b) & 32.2 second indent.	Active
<input type="radio"/>	10	Carnation	Cutflower	France	Box(es)	test	Deactivate
<input type="radio"/>	1	Rose	Cutflower	The Netherlands	Box(es)	Rose sp. Cut flower EC plant Health Directive 2000/29/EC Annex IVA1 45.2 <sup>1</sup>	Active
<input type="radio"/>	3	Carnation	Cutflower	The Netherlands	Crates	Consignment complies with Annex IV. A.1, points 27.2 (a) 32.2 second indent of EC plant Health Directive 2000/29/EC.	Deactivate
<input type="radio"/>	9	Gypsophila	Cutflower	The Netherlands	Box(es)	Consignment complies with Annex IV. A.1, points 27.2 (a) 32.2 second indent & 45.2 option (b) of EC plant Health Directive 2000/29/EC.	Active
<input type="radio"/>	12	Carnation	Cutting	The Netherlands	Crates	TEST REQUIREMENT SHORT FOR NTL	
<input type="radio"/>	13	Carnation	Cutflower	The Netherlands	Crates	TEST REQUIREMENT SHORT FOR NTL	

[1](#)
[2](#)

[Edit Requirement](#)
[Add](#)
[Exit](#)

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