



PPECB: Integrated model on
implementation of Quality, Cold
Chain, Food Safety and
Phytosanitary requirements

Dean Martin

Executive: Value Added Services, PPECB

20 April 2010



PPECB

professionalism · accountability · passion · integrity · confidence

Contents...

- About PPECB
- Legislative framework
- Operating environment
- Integrated delivery model
- Harmonization





PPECB

**Perishable Products Export
Control Board (since 1926)**

**Official Quality Inspection &
Certification Agency in South
Africa**

www.ppecb.com

Our vision...

A *Partner* in Global Competitiveness of South African Perishable Products

Our mission...

To build *competitive capacity* in our people & systems in Industries we serve in order to instill world-wide *confidence* in South African Perishable Products

Strategic objectives...

- **Enhancing** the credibility of the South African Export Certificate
- **Supporting** the export competitiveness of the South African perishable products industries
- **Strengthening** PPECB's capacity as a credible source of strategic information for serving industries and stakeholders
- **Supporting** Government in ensuring confidence in the quality assurance and food safety systems for local perishable product markets
- **Supporting** Government in building systems to ensure compliance to South African quality and food safety standards for imported perishable products

Legislative Framework

- **act 9 of 1983** – ppecb act (**supply/cold chain logistics**)
 - establishes and mandates ppecb
 - provides for control & management of South African perishable products export processes
- **act 119 of 1990** – aps act (**export certification**)
 - appointed assignee/public service provider (1991)
 - ensures export food safety and quality standards of regulated agricultural products are complied with.
- **act 1 of 1999** – pfma act (**corporate governance**)
 - regulates financial management and good governance in government and public entities
 - reports to government

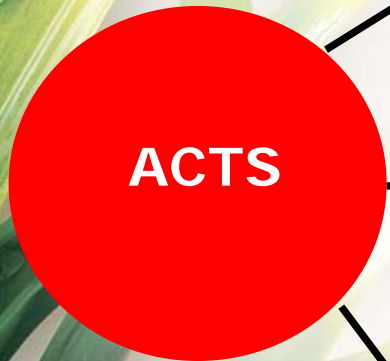
PPECB Responsibility...

Responsible for the **Orderly Exports** of
Perishable Products

Responsible for **Export Quality and Food
Safety** Inspection and Certification In
South Africa

Inland **Phytosanitary** Inspections for
Non-Cold Treatment Markets

Export legislation...



**APS Act
119 of
1990**

Quality
MRL
Food safety
Traceability

**Export
certificate**

**PPECB Act
9 of 1983**

Temperature
& Cold
treatment
management
Equipment
certification

**Temp
instruction
letter**

**Ag. Pest
Act 36 of
1983**

Phytosanitary
requirements
Bilateral
agreements

**Phyto
certificate**

PPECB

Ministry

100 % CONSIGNMENTS ARE INSPECTED

STATUTORY ORGANISATION

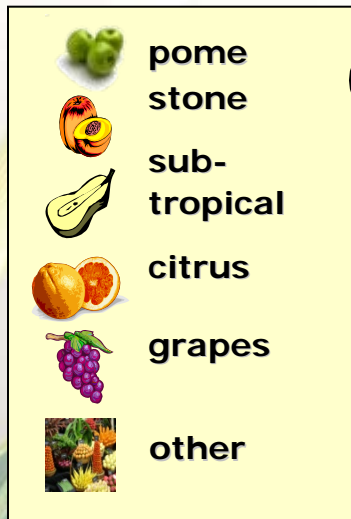
EU 1580 APPROVAL

PPECB Operating Environment

Offices	42
Number of listed product groups	315
Inspection points	1350
Inland loading points	380
Vessels at port	395
Active client accounts	1 611
Supplier accounts	1 764
Employees	365
S &T man days	17 427
Computer workstations	207
Billable hours	378 608
Kilometres traveled	3,5 million

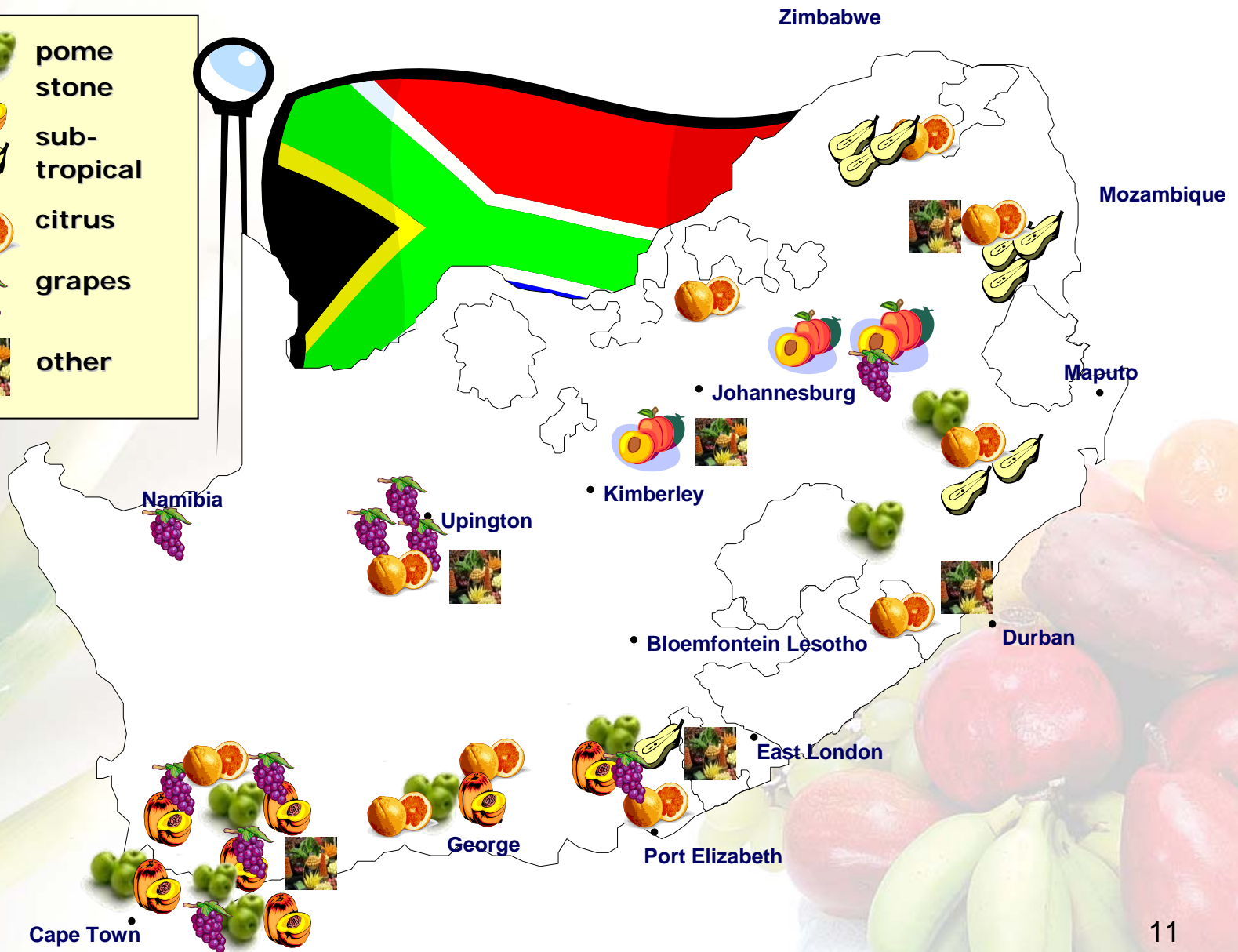


Production regions...



A legend box with a yellow background and a black border. It contains six entries, each with a small illustration and a text label: 'pome' with a green apple, 'stone' with a peach, 'sub-tropical' with a pear, 'citrus' with an orange, 'grapes' with a bunch of purple grapes, and 'other' with a small image of various fruits.

- pome
- stone
- sub-tropical
- citrus
- grapes
- other



Services detail...

PPECB service categories

- product and equipment certification
- cold chain management
- statistical information
- advisory services and training

PPECB Accreditations:

- ❖ iso guide 65 (Globalgap, brc)
- ❖ iso 17021(haccp certifications)
- ❖ iso 17025 (laboratory services)
- ❖ iso 17020 (wip)
- ❖ eu 1580 – approved 3rd country inspection authority
- ❖ certification body for tesco nurture (V10)
- ❖ Leaf
- ❖ iso 22000
- ❖ 360 quality
- ❖ 2nd party auditor for major local retail chain
- ❖ grasp (globalgap risk assessment on social practices)

**Research &
Development**

Quality Inspections

**Food Safety
Audits**

**Industry
Statistics**

**Harmonization
AETP**

**Training &
Advice**

**Private
Standards**

Cold Chain Management

**Phyto
Inspections:
Non-cold
treatment
Markets**

PPECB link to best practices ...



GOOD
AGRICULTURAL
PRACTICES
(SAGAP/GLOBALGAP)

GOOD
MANUFACTURING
PRACTICES
(GMP/HACCP/BRC)

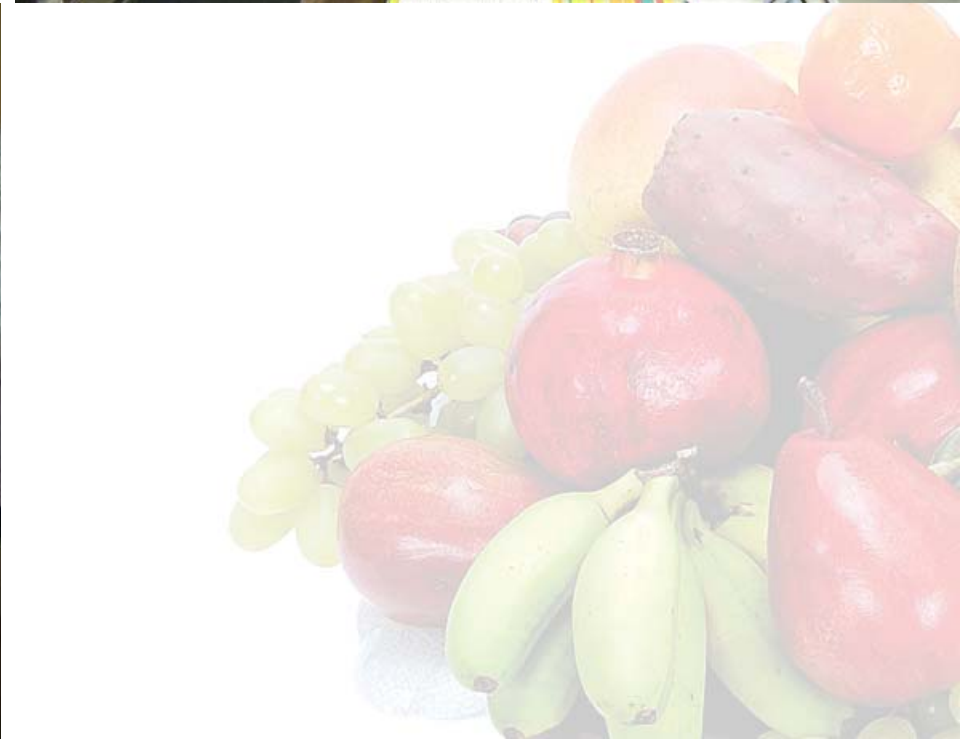
GOOD DISTRIBUTION
PRACTICES
(Temp, equipment/Cold
Chain)

TRACEABILITY/TRACKABILITY/INFORMATION

PRODUCT QUALITY / CONDITION / FOOD SAFETY

HARMONISATION/AETP/R & D





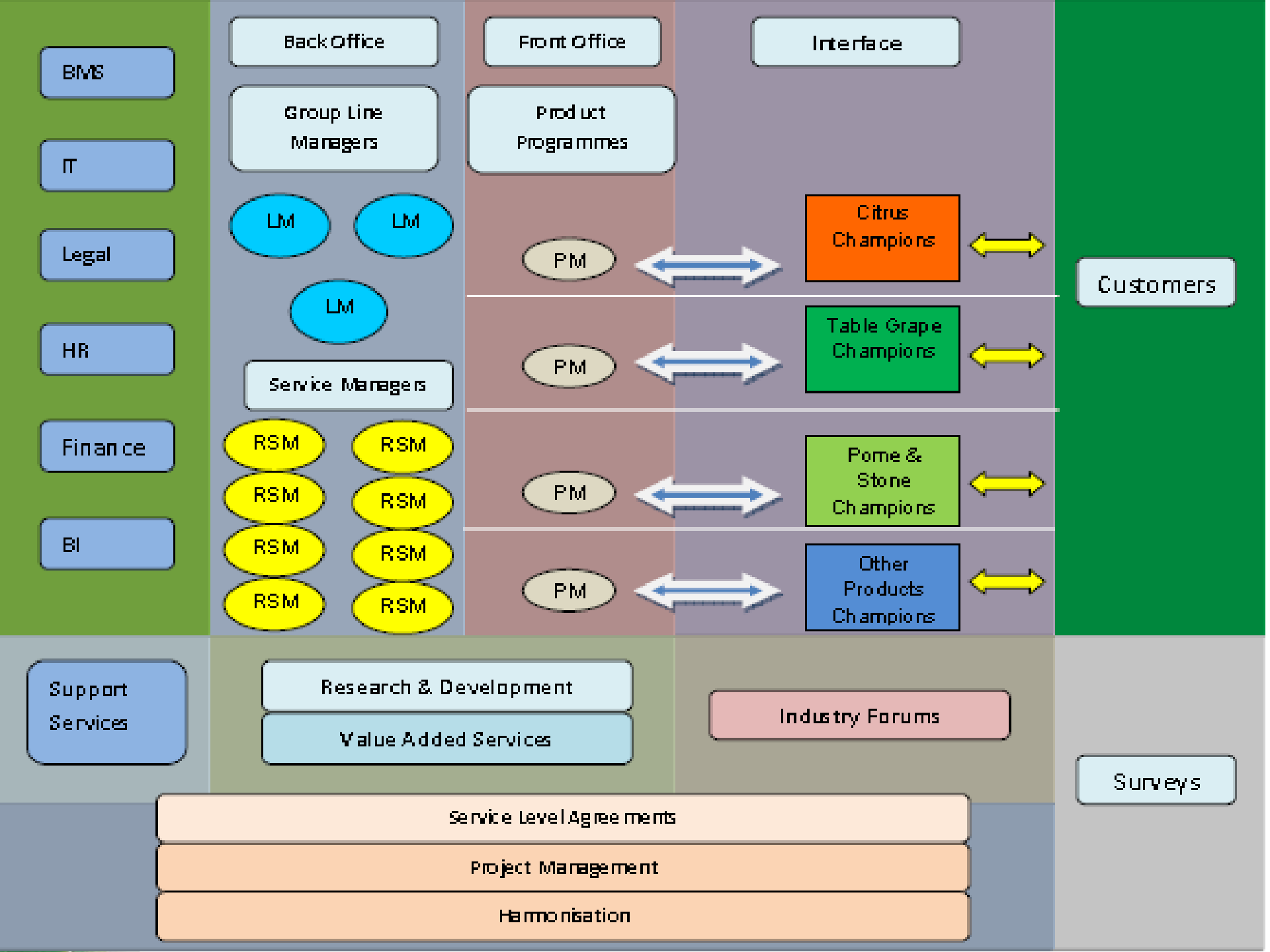
PPECB stakeholders...

PPECB provides services in the export supply chain to the following industries

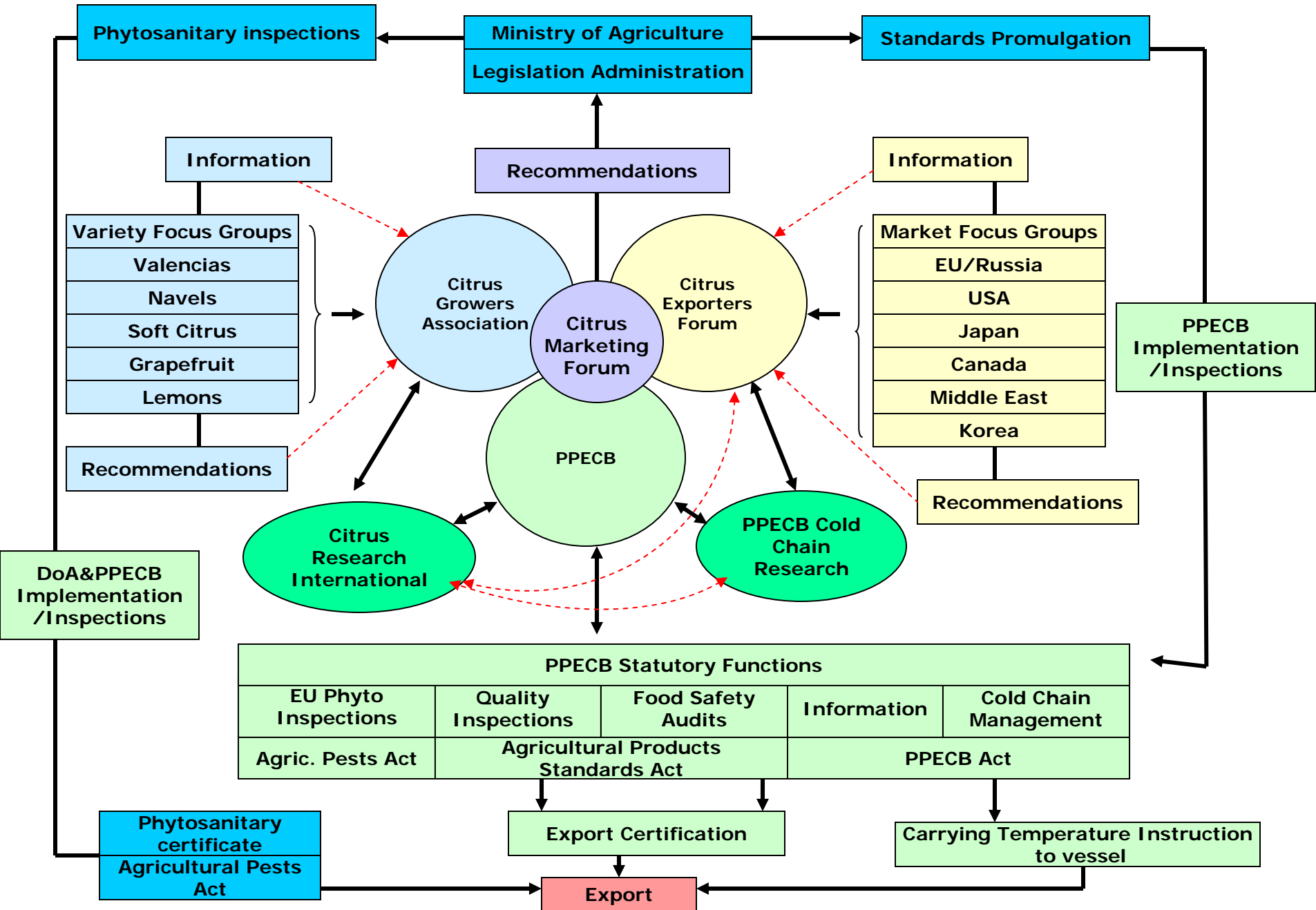
- citrus
- grapes
- pome / stone fruit
- maize, grain, groundnuts
- vegetables
- subtropical fruit
- processed products
- canned products
- flowers and bulbs
- marine products
- dairy and eggs
- shipping lines



Internal operating model



CITRUS INDUSTRY INTERACTION





Harmonization

model components

INPUT

- Induction
- Area Training plans
- Portfolio of Evidence
- Refresher training
- Workshops
- Central training
- Incubation

OUTPUT - COMPETENCE

- Competency evaluations
- Exams (Theory)
- POE audits
- Competency databank

OUTPUT - UNIFORMITY

- Koffer tests
- Refresher calibrations
- Uniformity evaluations
- Troubleshooting
- Port Audits

Principles

- accelerated learning
 - concentrated learning
 - in-depth attention to detail
 - centralized for uniformity
- uniformity/standardized
 - input training
 - communication
 - evaluation
 - measurement
- repetition/duplication
 - positive reinforcement
- personalized attention
 - one – on – one



PPECB in the supply chain...



PPECB in the supply chain...



PPECB in the supply chain...



PPECB in the supply chain...





CERTIFIED TO ISO 9001