

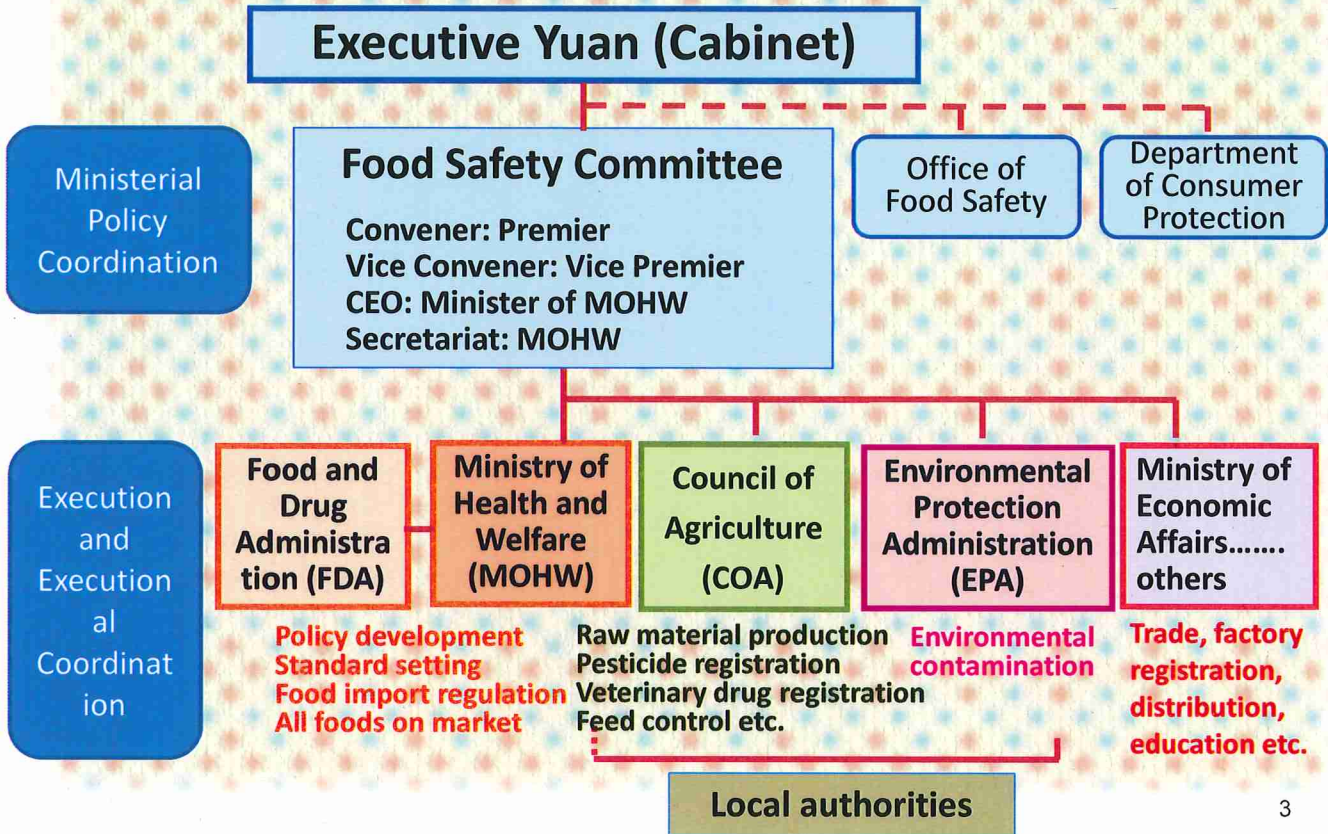
# Overview of the Food Safety Management in Taiwan

Office of Food Safety  
Executive Yuan  
July 22, 2015

## Outline

- **Taiwan Food Safety Management Infrastructure**
- **Interagency Coordinating Platform**
- **Major Focus of Food Safety Office**

# Taiwan Food Safety Management Infrastructure



# Inter-Agency Coordinating Platform

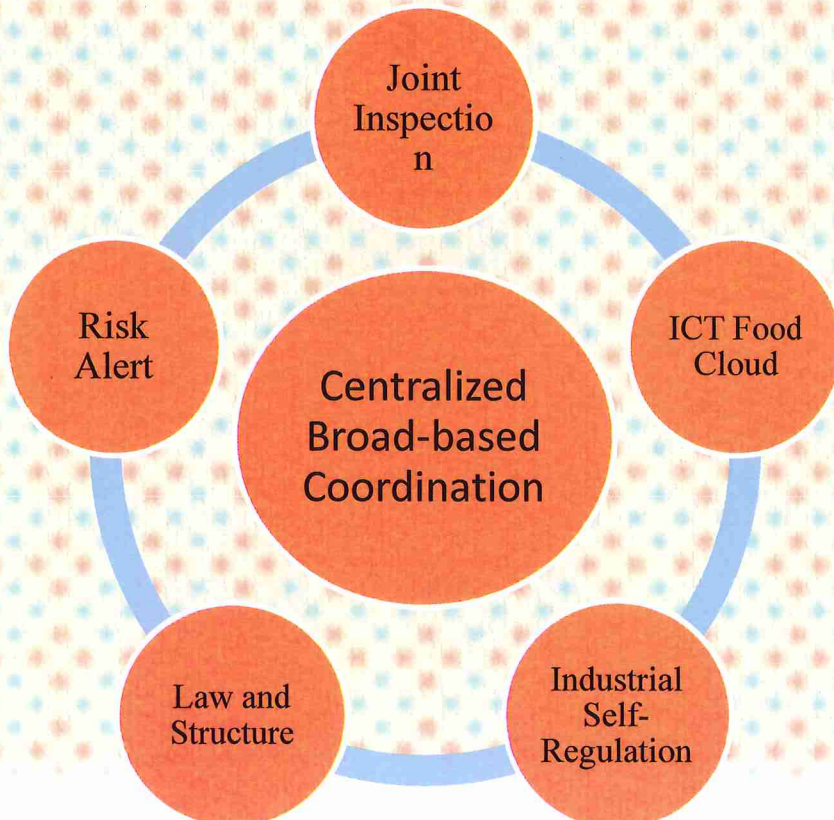




## Food Safety Committee



## Focus of Office of Food Safety



# Vision and Missions

Accountable and sound science-based regulations, measures and standards

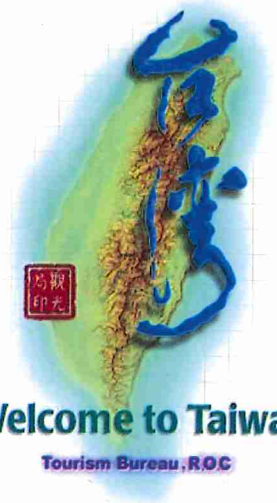
Risk-based proactive, preventive and precautionary integrated management system

**Healthy Diet  
Safe Food**

International and national cross-sector collaboration, enhance communication and advocacy

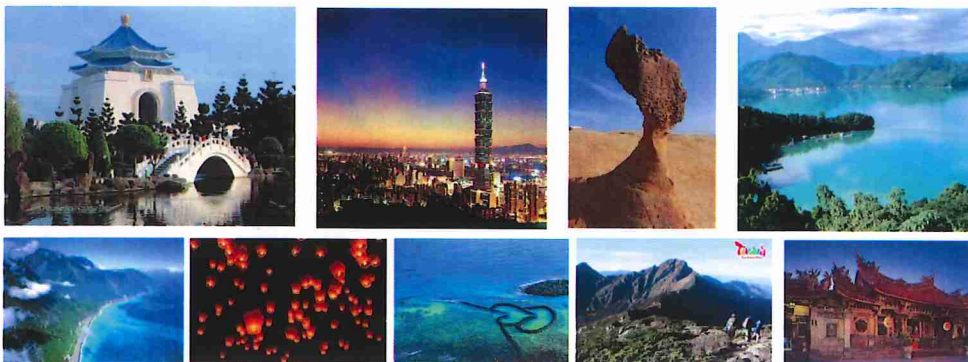
Rapid alert and crisis management system and proper risk communication

**Thank you for your attention!**



**Welcome to Taiwan**  
Tourism Bureau, ROC

**TAIWAN**  
Touch Your Heart



# Food and Drug Safety Management in Taiwan

## Taiwan FDA, Ministry of Health and Welfare



1

## Establishment of TFDA



Bureau of...

Food Safety

Pharmaceutical Affairs

Food and Drug Analysis

Controlled Drugs

Consolidate



2

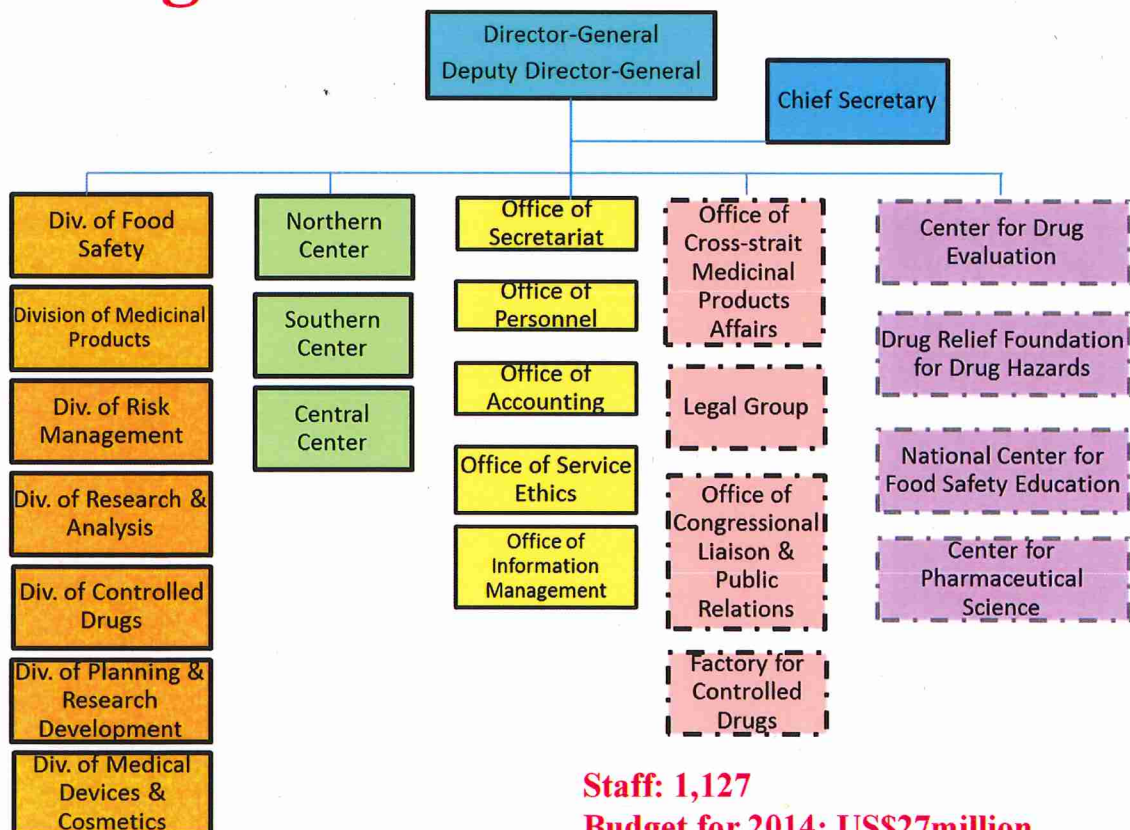
# Vision & Core Value



3

3

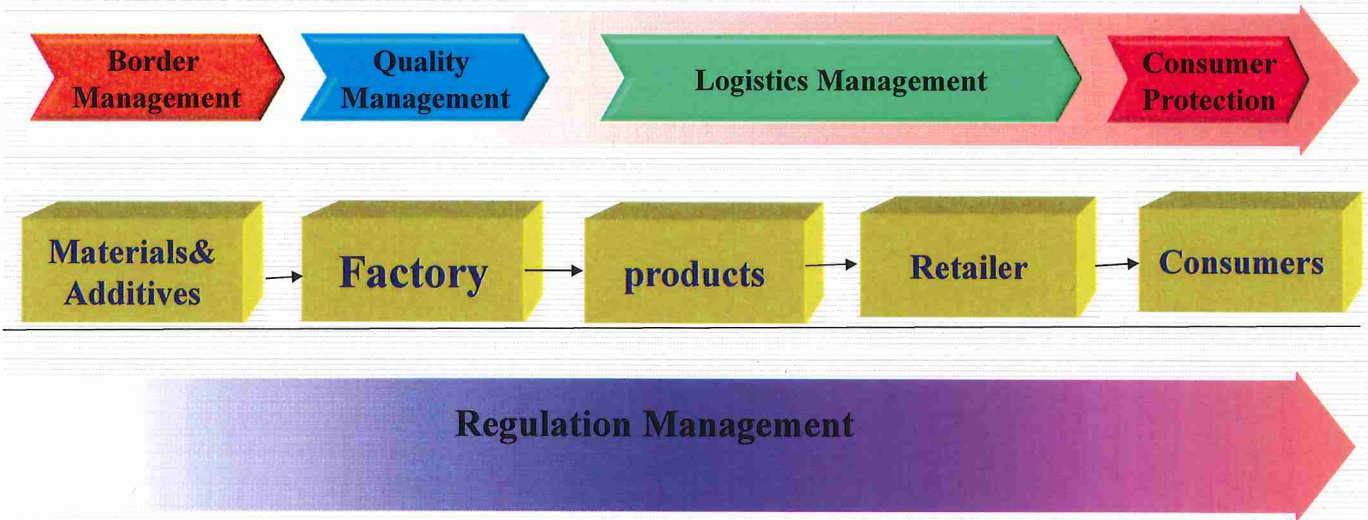
## Organization Chart of TFDA



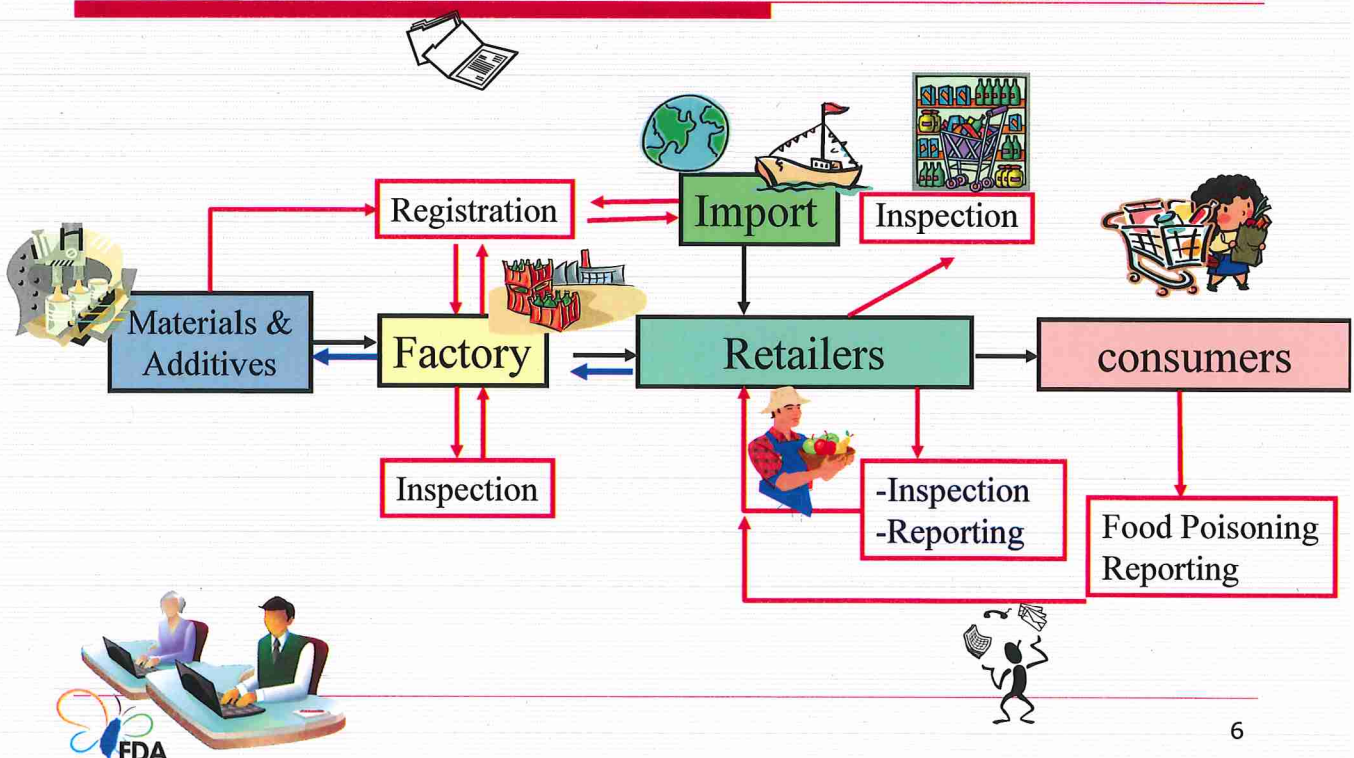
Staff: 1,127

Budget for 2014: US\$27million

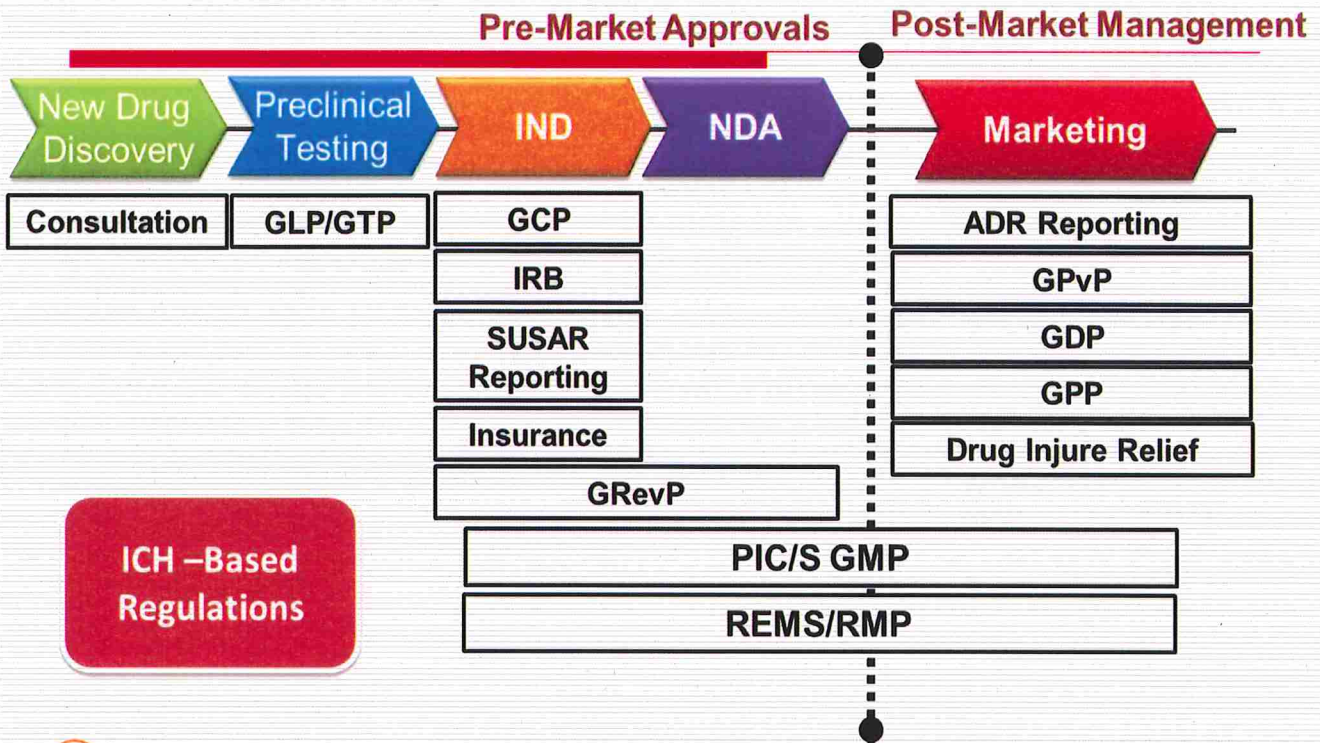
# Food and Drug Safety Management System



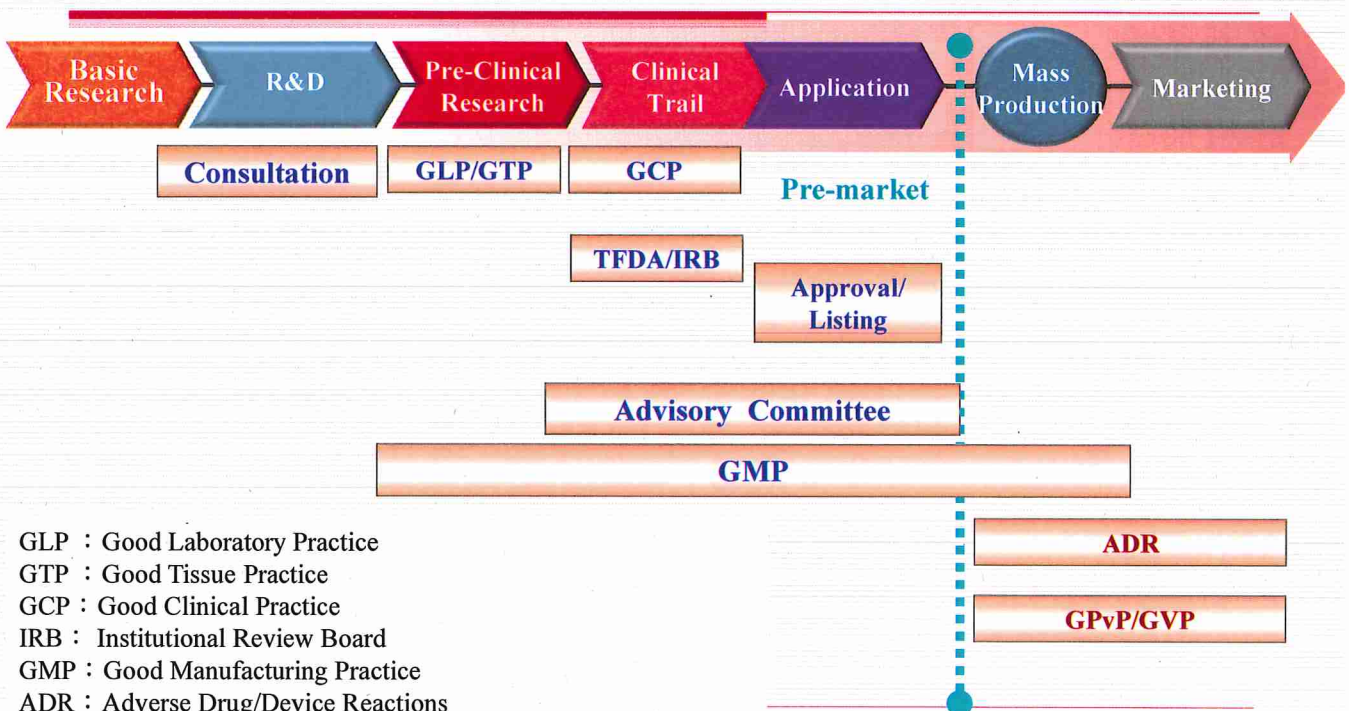
# Food Safety Management



# Pharmaceutical Regulation



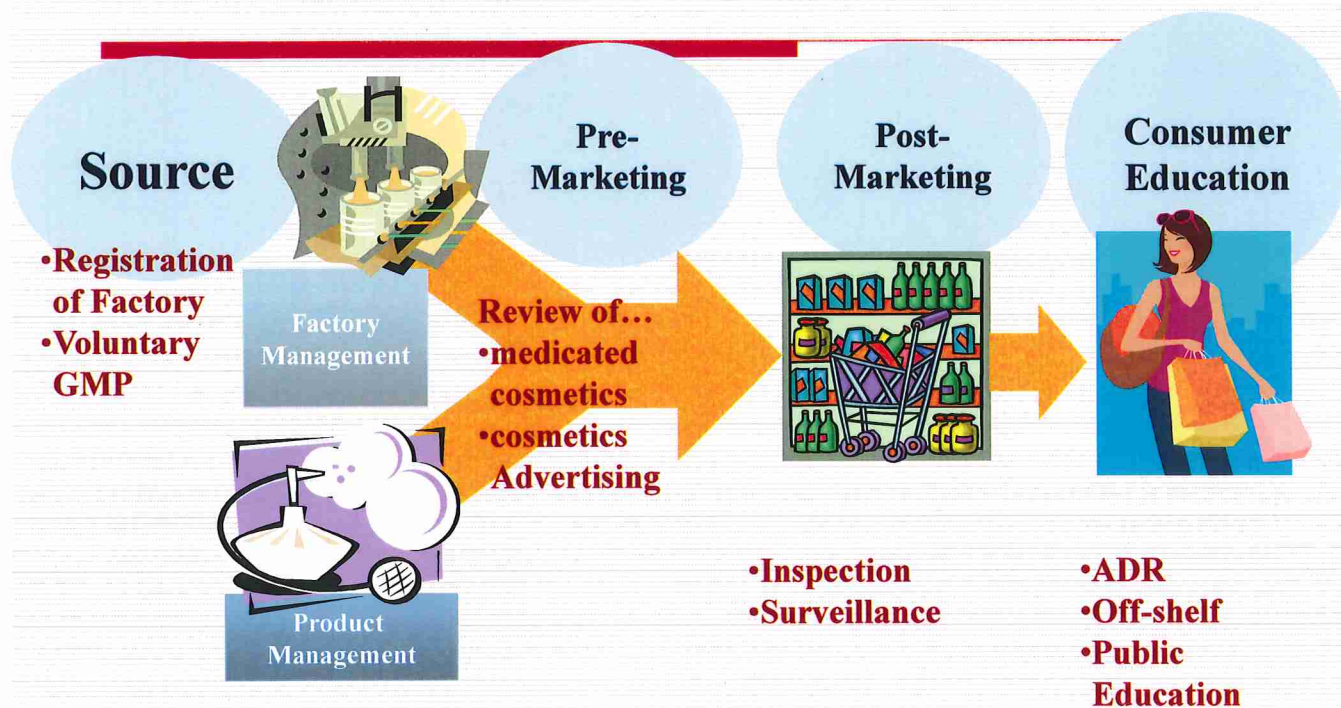
# Medical Devices Management



- GLP : Good Laboratory Practice
- GTP : Good Tissue Practice
- GCP : Good Clinical Practice
- IRB : Institutional Review Board
- GMP : Good Manufacturing Practice
- ADR : Adverse Drug/Device Réactions
- GPvP : Good Pharmacovigilance Practice
- GVP : Good Vigilance Practices

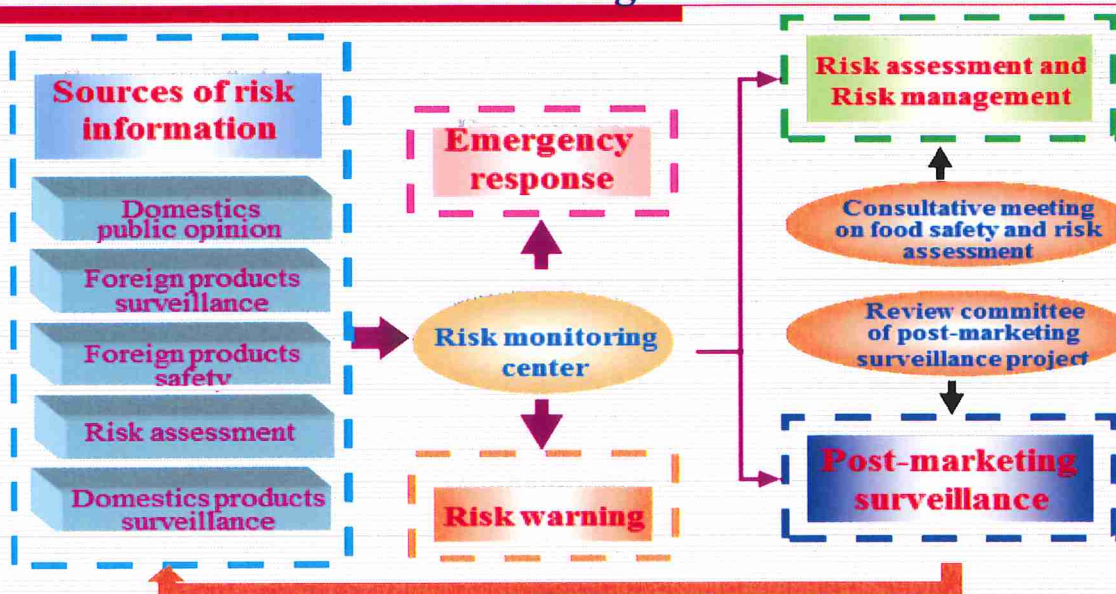


# Cosmetics Management



# Risk Management

## Mechanism for Risk Monitoring & Assessment



▲ Risk monitoring workflow

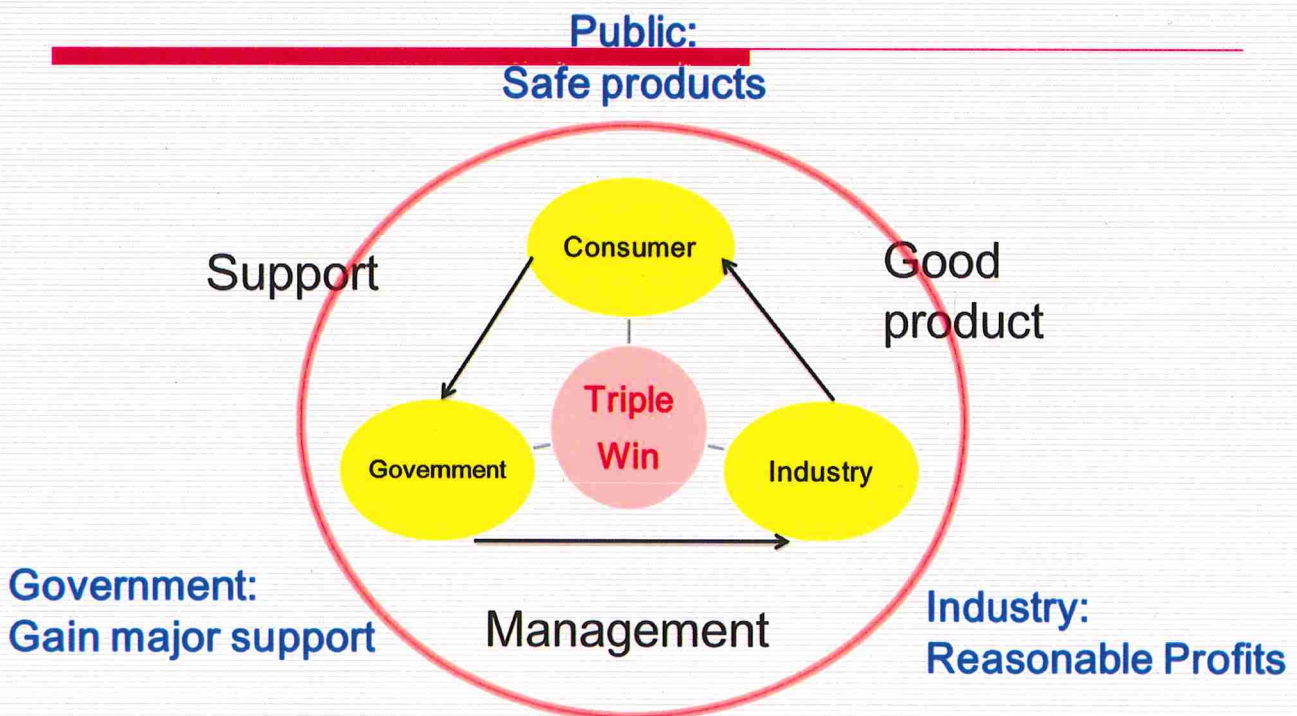


# The innovations and achievements of Research & Analysis

- To establish the national laboratory of food and drugs.  
We have obtained 11 patents including 1 from American.
- To promote analysis quality.



## Win-Win-Win Situation



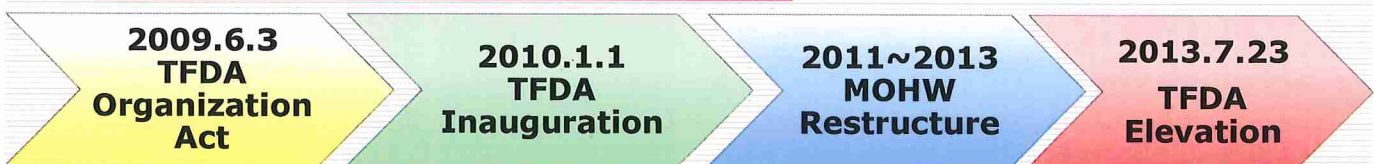
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## Taiwan FDA, Ministry of Health and Welfare



1

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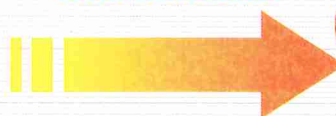
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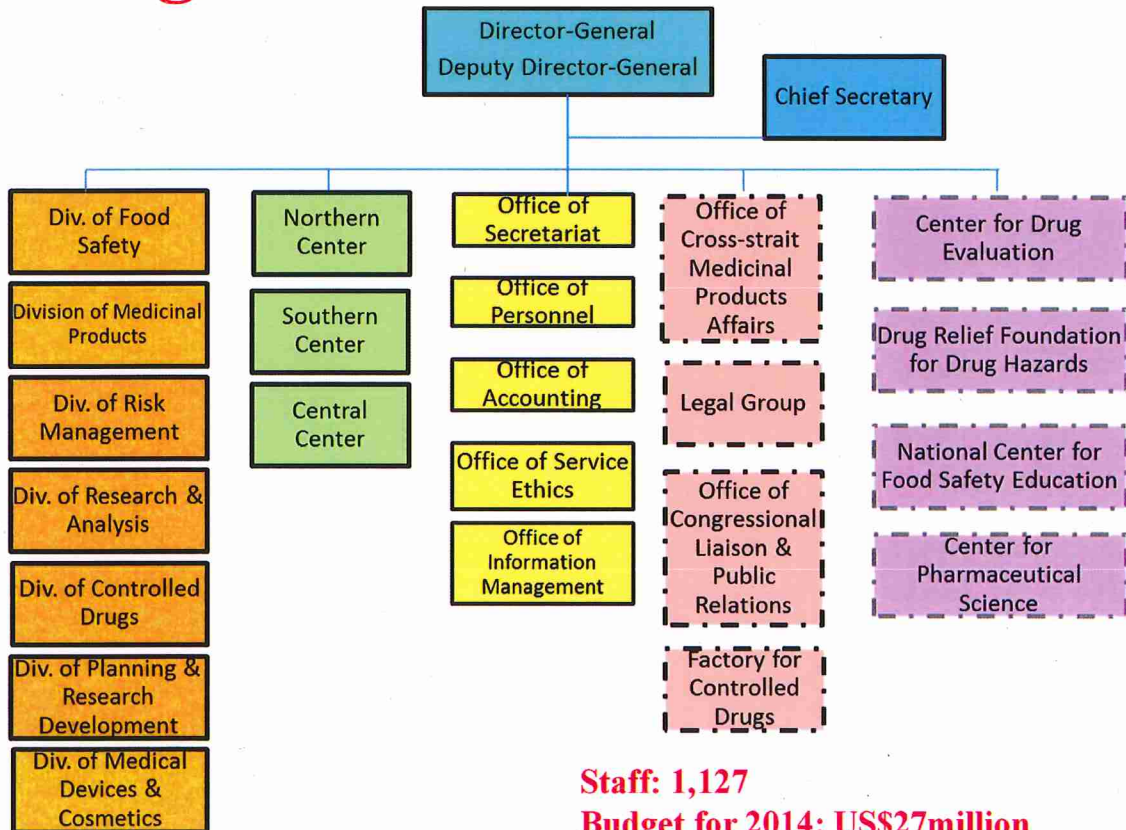
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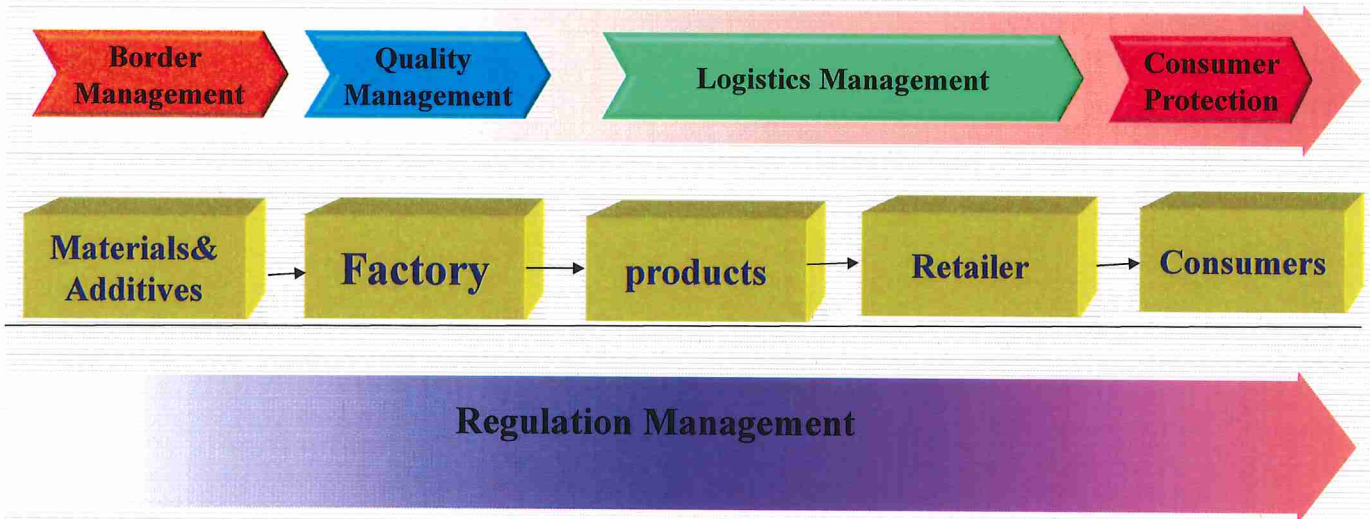
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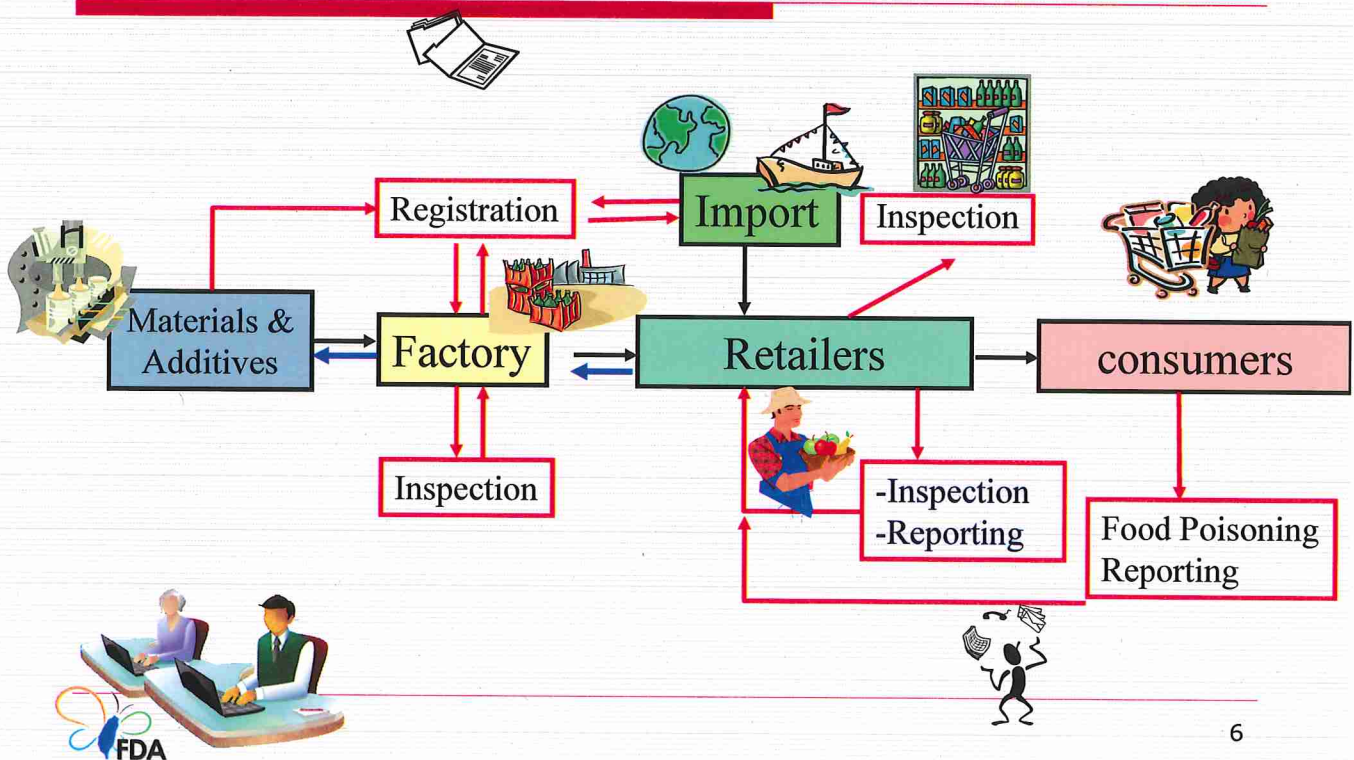
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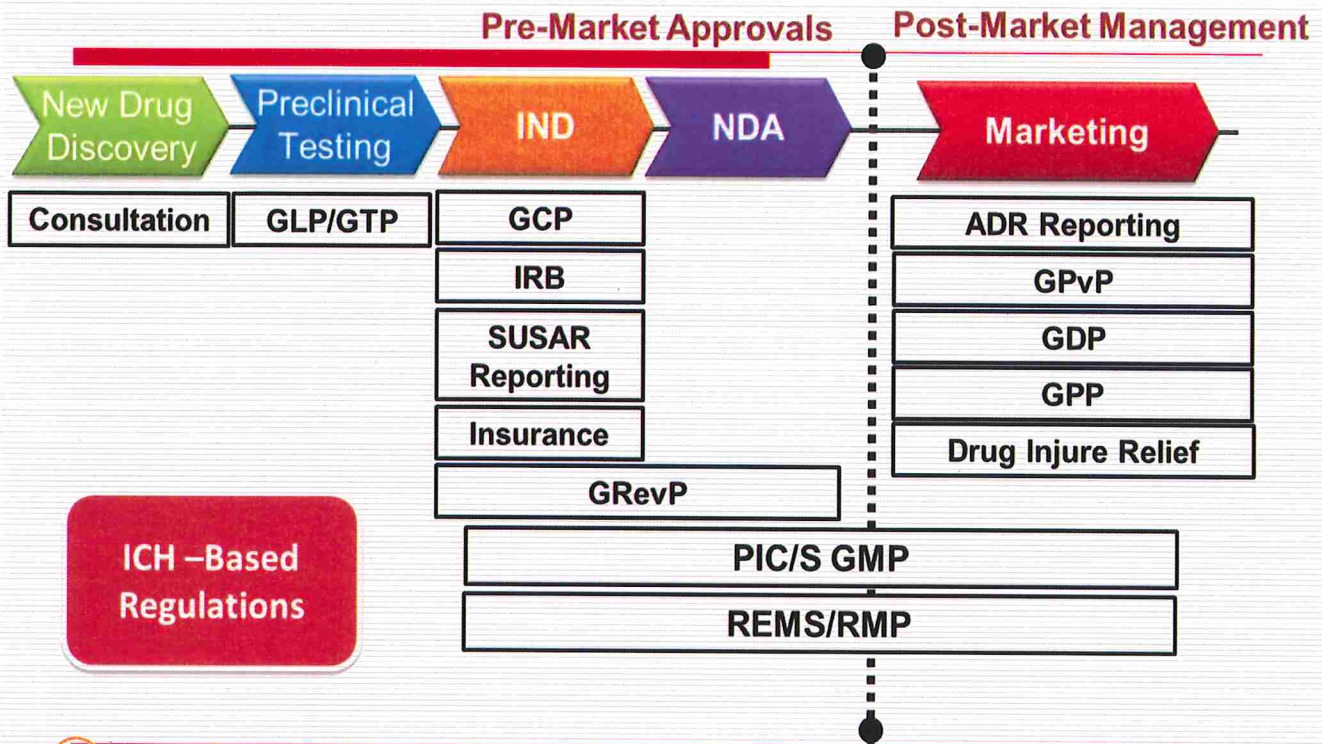
# Food and Drug Safety Management System



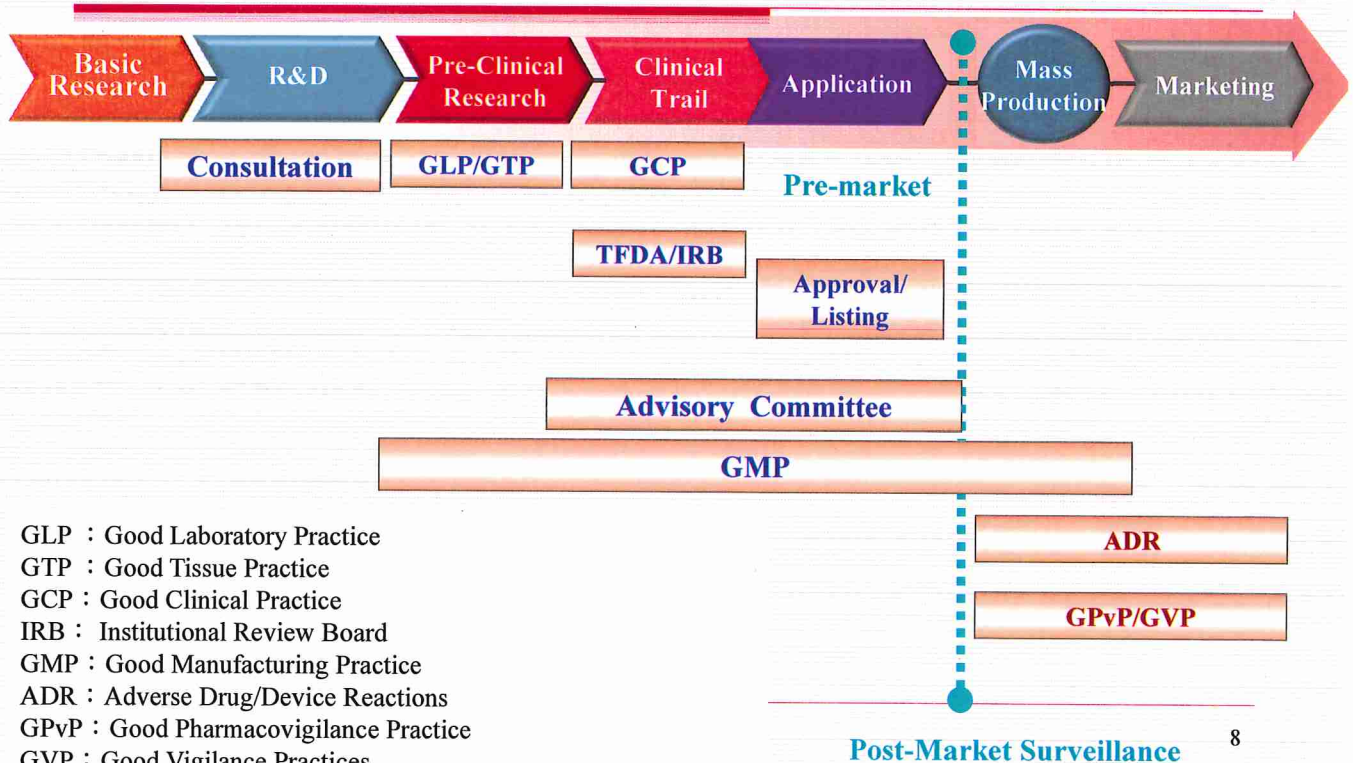
# Food Safety Management



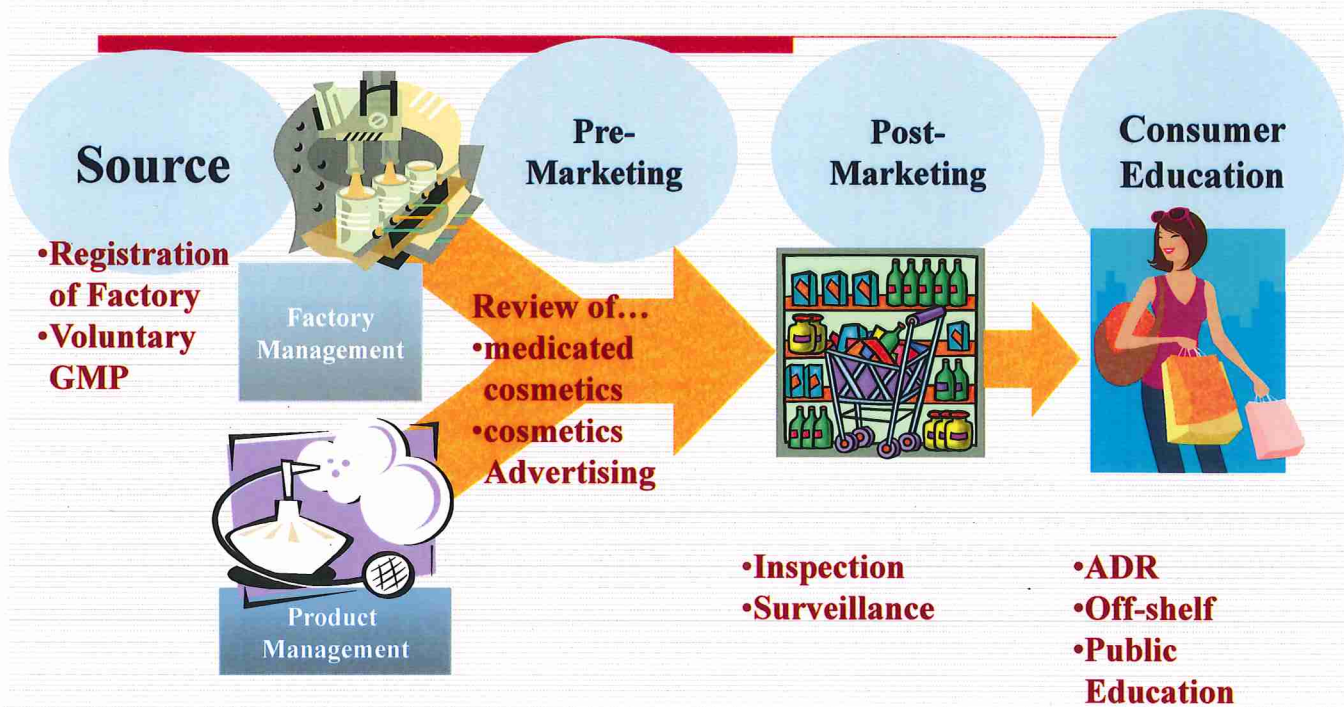
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# Medical Devices Management

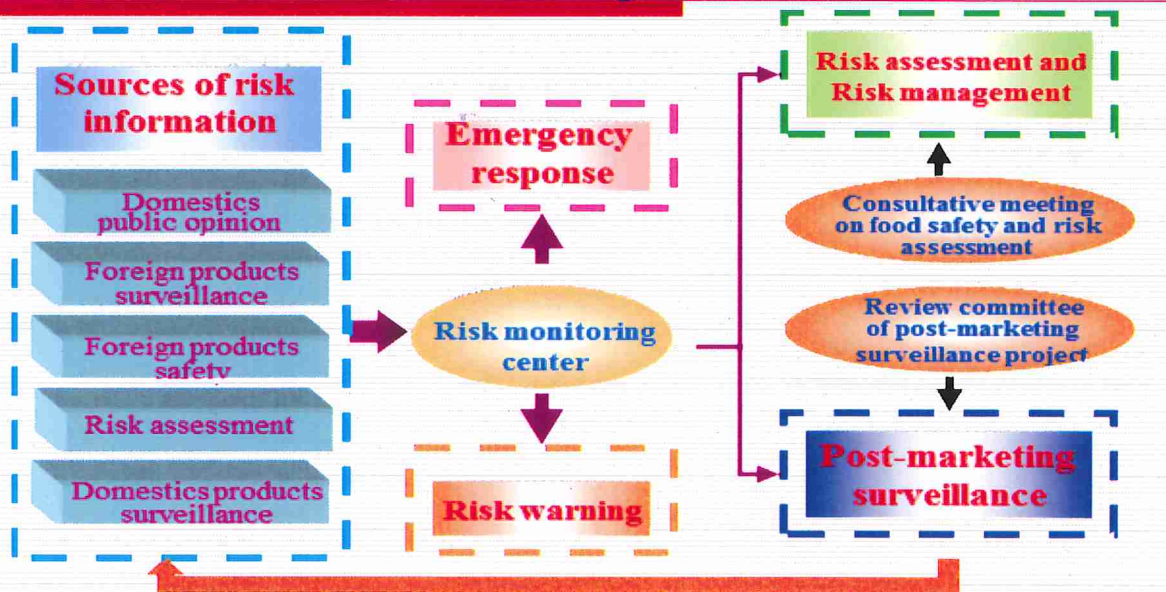


# Cosmetics Management



# Risk Management

## Mechanism for Risk Monitoring & Assessment



▲ Risk monitoring workflow

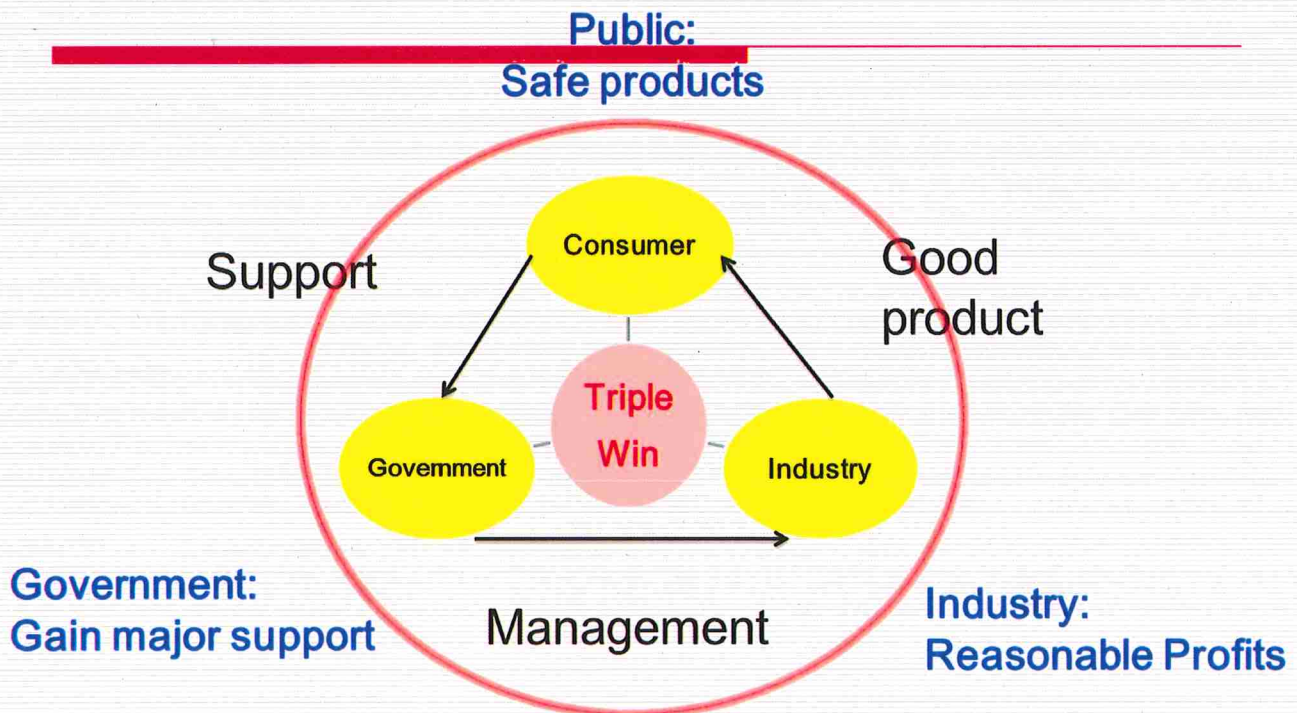


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## Win-Win-Win Situation





# **Seamless Management for Safe Agro-food Products in Taiwan**

**Dr. Su-San Chang**

**Director General**

**Bureau of Animal and Plant Health Inspection and Quarantine  
Council of Agriculture (COA)**

**July 22, 2015**

1

## **Outline**

- I. Guiding Principle for Taiwan's Agricultural Development**
- II. Three Dimensions of Seamless Management for Safe Agro-products**
- III. Safe Production of Agro-foods**
- IV. Certification and Labeling System for Safe Agro-products**
- V. Conclusion**

2

# I. Guiding Principle for Taiwan's Agricultural Development

- **COA's Policy: Healthfulness, Efficiency, Sustainability**
- **National Visions for the Golden Decade:**
  - **Agricultural sector that is vigorous, competitive, high-income and LOHAS industry with young farmers**



3

# II. Three Dimensions of Seamless Management for Safe Agro-Food Products

## Healthy & Friendly Agricultural Environment

### Seamless Agro-food Safety System

Establish  
environment  
production

Institute safe  
production models

Strengthen safety  
management &  
marketing

- Special zones for organic farming
- Soil & water conservation
- Safety standards
- Control of production materials

- Healthy environment
- Healthy seedlings
- Rational use of fertilizers
- Minimum use of agro-chemicals
- Food animal production medicine

- GAPs, organic farming, CAS, traceability
- Harmonization of safe use of agricultural chemicals with international standards
- Communicating with consumers
- Local production for local consumption

4



### III. Safe Production of Agro-food

5

### III. Safe Production of Agro-food

## Safe Production and Agro-chemical Management in Crops

- **Pesticide Management**

- Law revised to control marketing channel of pesticides
- Education of pesticide distributors and retailers
- Education of farmers on safe pesticide applications
- Evaluation and banning of high-risk pesticides
- Cracking of counterfeit and illegal pesticides
- **11,461** fresh samples of fruit, vegetables, rice, tea, etc. were tested for pesticide residues in **2014**;  
**96.3%** passed the test

6

## Safe Production and Agro-chemical Management in Crops

- **Management of food additives**
  - Encouraging voluntary submission for testing of and enhancing sample testing of various preservatives and sulfur dioxide
  - Source monitoring of preservatives in processing plants
  - Development of new technologies with null or low preservatives, standardization of processing protocols, and improvement of hardware
- **Surveillance & control of heavy metals in crops**
  - Destroying of crops polluted with heavy metals

7

## Safe Production and Drug Management in Food Animals

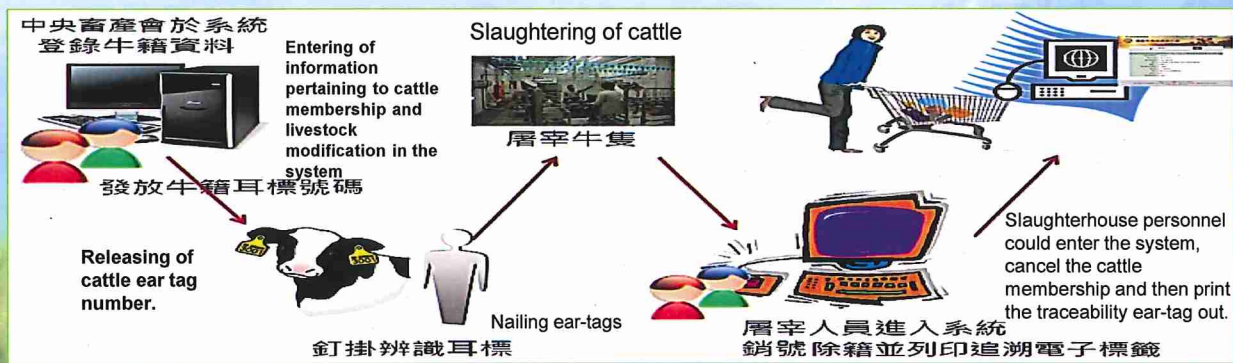
- **Platforms for food animal production medicine**
  - The team comprised of veterinarians
  - Integration of veterinary epidemiology, premises design, nutrition, economics, human resource management and recording
  - Applications of biosecurity and feeding managements to reduce disease incidences
  - Pasture safety includes environment, facilities, storage of feed and litter, animal contact, use of drugs and personnel management
  - Platforms established for pigs, poultry, and ruminant and aquatic animals
- **Average survival rate for farm pigs raised to 90%**

8

# Safe Production and Drug Management in Food Animals

## • Traceability of domestically produced beef

In order to enable consumers to trace associated records and distinguish between domestic and imported beef, a traceability system for domestically produced beef has been established. At the same time information pertaining to slaughterhouses, vendors, markings on ears of beef products and livestock farms are all connected.



# Safe Production and Drug Management in Food Animals

## • Hygiene management in slaughtering premises

- 165 premises checked up to 2015
- 7.92 million of pigs and 324.25 million of poultry inspected in 2014
- Condemned carcasses and viscera incinerated or buried
- Illegal slaughtering stopped
- Slaughtering of live birds at traditional markets banned since May 17, 2013



## Safe Production and Drug Management in Food Animals

- **Management of veterinary medicines**
  - Veterinary Medicines Control Law amended to raise penalty in order to curb manufacturing, distribution and use of counterfeit and prohibited veterinary medicines
  - Registration regulations established for use of veterinary medicines in minor species such as water fowls and aquatic animals
    - ex. Efficacy and residue of florfenicol in ducks examined
    - ex. Registration of veterinary medicines for aquatic animals extended **from 26 species to 55 species**

11

## Safe Production and Drug Management in Food Animals

- **Management of veterinary medicines**
  - Inspection and auditing of counterfeit, sub-standard and prohibited veterinary medicines intensified and resulted in **49** punishment cases with fines totaled NT\$**1.3** million in 2014
- **Feed management**
  - Residues of antibiotics, sulfonamides and  $\beta$ -agonists, and levels of aflatoxins, melamine, pesticides and heavy metals in feeds monitored. During 2014, **99.3% out of 2,114 samples were safe**

12

## Safe Production and Drug Management in Food Animals

- **Surveillance of drug residues in food animals and animal products**
  - Pig serum, cattle serum, sheep serum, pig hair, chicken meat, duck meat, goose meat, cow and sheep milk, and poultry eggs examined for 125 items of sulfa drugs, nitrofurans with their metabolites, and various antibiotics
  - Non-violation rate reached **99.86% in 2014**



Sampling of feeds



Sampling of pig serum

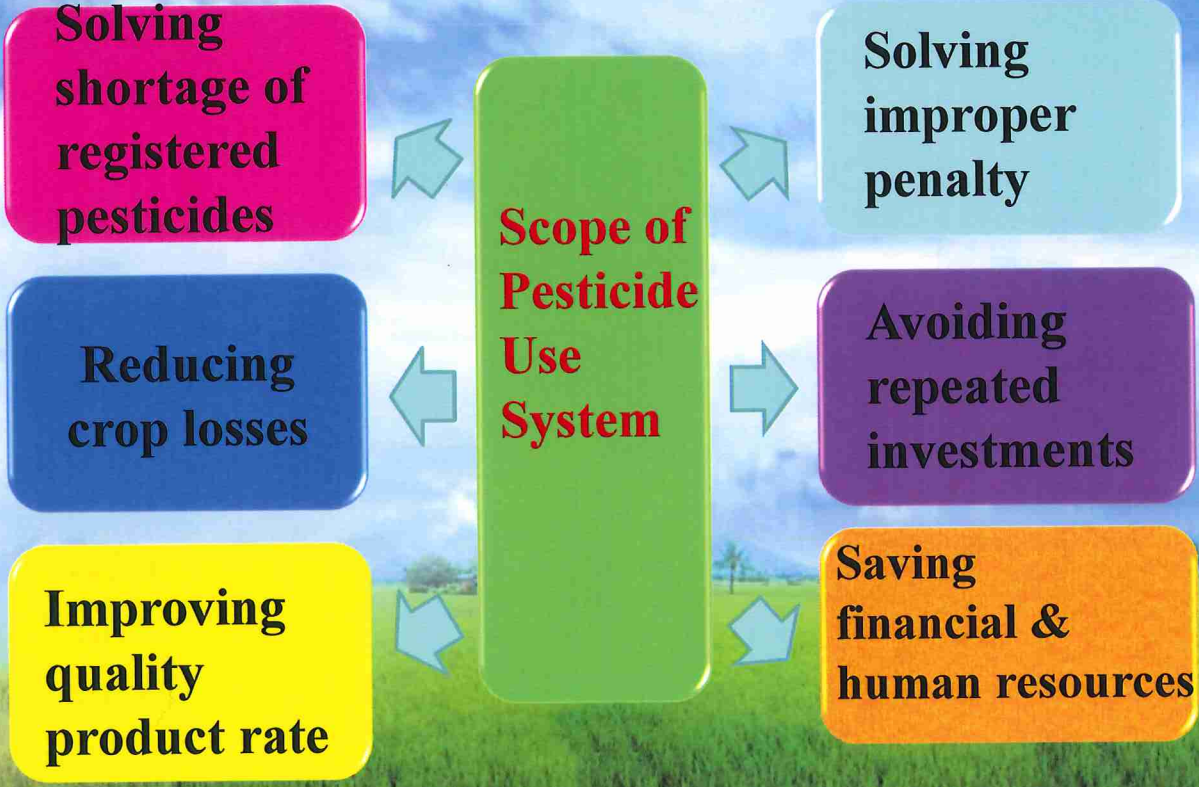


Sampling of pig hair<sup>13</sup>

## Safe Production and Chemical Management in Aquaculture

- **MRL for drugs in aquaculture amended**
- **Capacity for disease diagnosis enhanced, fish vaccines developed, and use of drugs reduced**
- **Surveillance of drug residue and hygiene quality in aquaculture implemented, and during 2014, in total 1,619 samples of aquaculture products were tested with a 98.26% compliance rate.**
- **Traceability system for aquaculture products promoted**
  - **5** traceability certification and inspection centers
  - **30** fishery products with Taiwan Good Agricultural Practices (TGAP)
  - Aquaculture processing plants meet HACCP standards

# Safe Production and Agro-chemical Management in Crops



# IV. Certification and Labeling System for Safe Agro-products