



**Asia-Pacific
Economic Cooperation**

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Day 2 Session 1

Food Safety Enhancement in Korea

Submitted by: Korea



**First Expert Meeting on Trade Facilitation Through
an APEC Framework on Food Safety
Modernisation**

Ha Noi, Viet Nam

15-17 November 2017

APEC FSCF
Expert Meeting



Food Safety Enhancement in the Republic of Korea



Ministry of Food and Drug Safety

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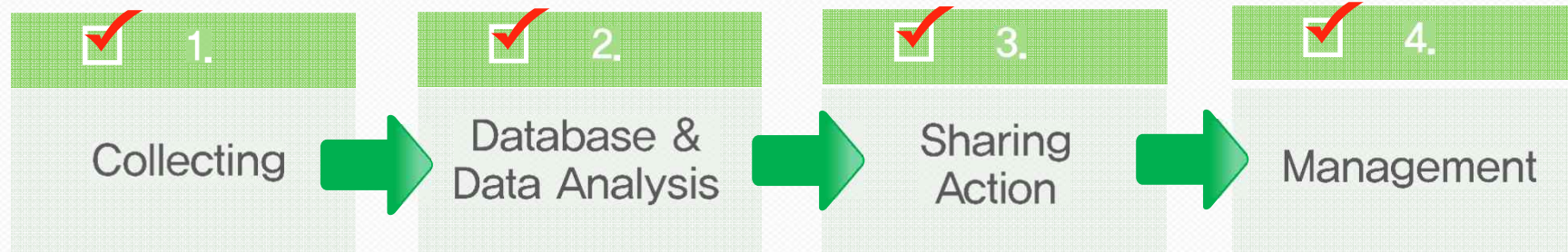
Advanced Prevention Control and Public Communication System

MINISTRY OF FOOD AND DRUG SAFETY

Advanced Prevention Control System (Overview)

To protect consumers' health and to minimize the damages from adulterated and misbranded foods through the Risk Information Management

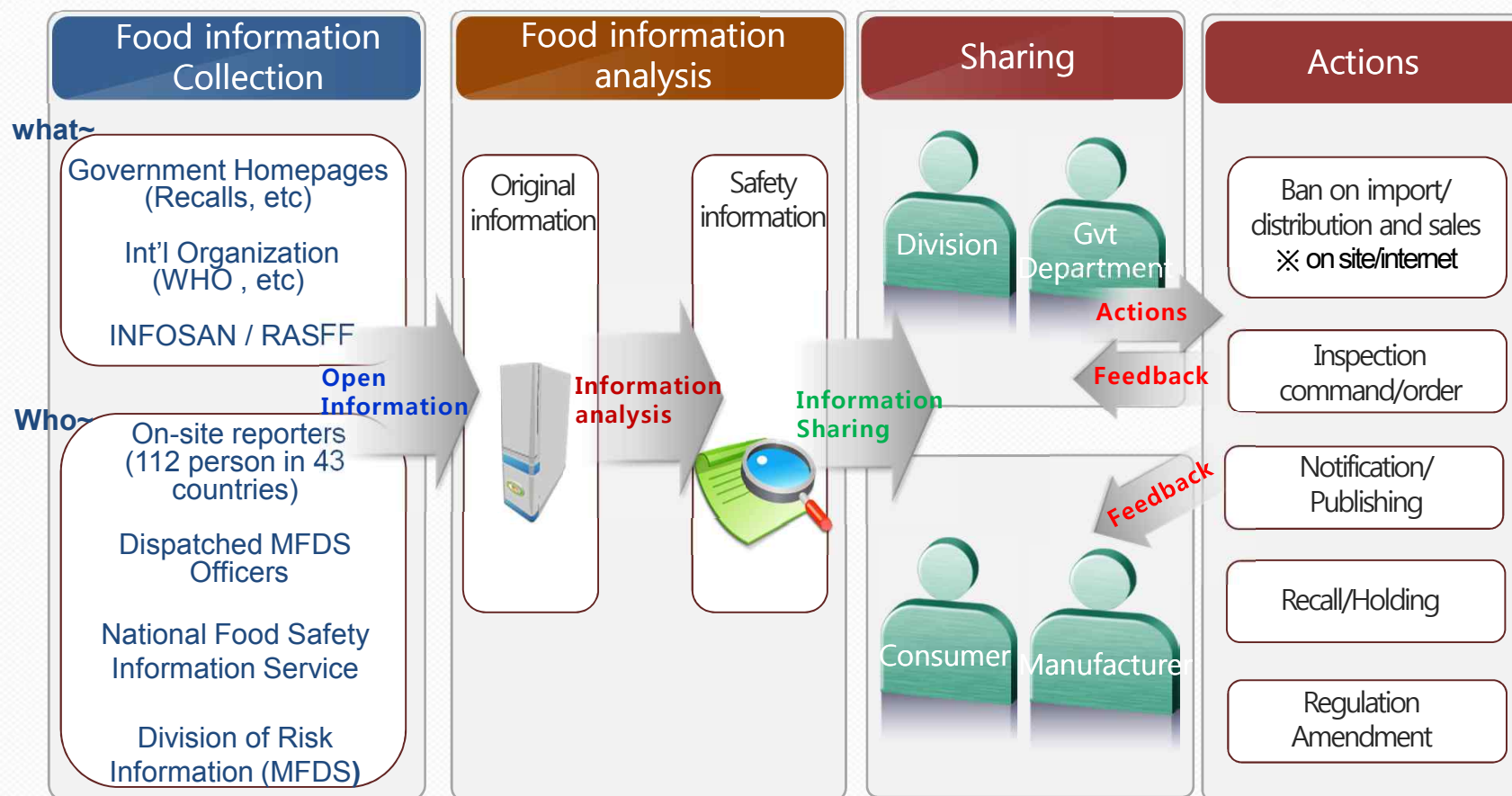
Information



24 hours a day, **7** days a week, **365** days a year

* 331 Website, Newspapers in 32 countries are monitored in 6 languages

Advanced Prevention Control System(In Detail)



Explore Consumer Needs to Provide Information

MFDS + Consumer Group



- Research consumption, Knowledge of our policies, complaints
Survey 1000 people(“Communication Grop”)
- Survey on complaints about F&D product
Analysis of complaints from 1372 Consumer Service Center
- Gather opinions about social issues from the interested
Pre-emptive conflict settlement through Face-to-face talk



Interactive Communication

Provision of customized F&D information according to life-cycle

- Education material for daycare center (moneybox, puzzle)



- Safety hands-on program
- Schools-connection education



- Face-to-face conversation
- Online platform use (Consumer F&D safety class, Facebook, Instagram)

- Publish&Distribute 'CONSUMER TALKTALK'

- Safety class coming to you (Consumer F&D safety class)
- 6500 in 7 regions in '17
- 24,000 nationwide in '18



Infant



Teenager



Housewife · Pregnant woman



Senior



Food Safety Management System

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Food Safety Management System

Production

- National Residue Survey
- GAP(Good Agriculture Practice)
- Regulated by Agriculture & Fishery Ministries



Manufacturing

- HACCP system
- Re-evaluation of standards and specifications



Distribution

- Hazardous food sales prevention system
- Food traceability system
- Safety of imported food (OPERA System)



Consumption

- Early warning system for foodborne illness
- Center for children's foodservice management
- Sodium, sugars intake reduction policy





1

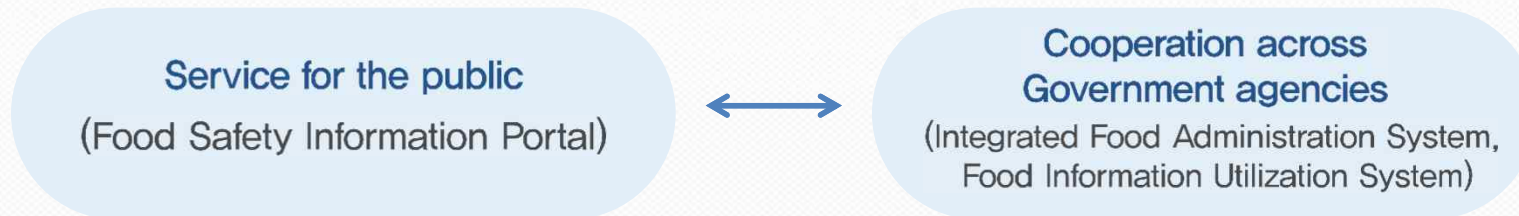
Integrated food safety information network

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Integrated Food Safety Information Network



Integrated Food Safety Information Network



- **Government – Establishing the foundation for scientific, systematic, management of food safety**
 - All food safety information is linked to enable food safety management from production to consumption
 - Developing an algorithm to calculate the risk for the system to identify companies for crackdown

- **Public – Confirming all food safety information through ‘Food Safety Nation’ with one stop**
 - Easily, It’s possible to find sanitary information of local restaurants
 - The public is available to identify every day life–related information by hierarchy and period

- **Industry – Using online civil complaints and public information about food safety**
 - 87 kinds of civil complaints can be handled by using single on–line civil application window
 - Industries can create new added value such as a smart refrigerator by using information that government opens



2 HACCP System

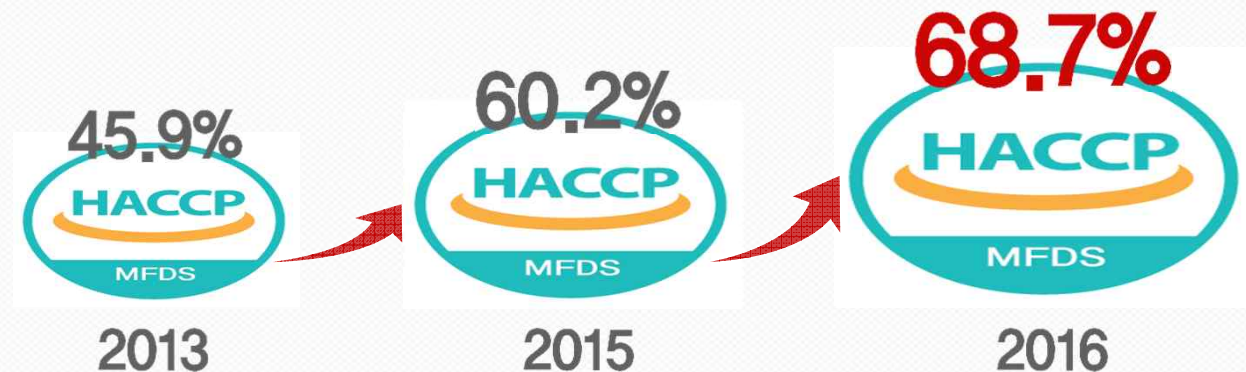
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HACCP System

Mandatory application by phase



Rate of Domestic
Production under
HACCP system





3

Hazardous Food Sales Prevention System(barcode system)

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Hazardous Food Sales Prevention System



- ✓ The information on defective products are reported to MFDS in real-time, from approximately 85 inspection facilities nationwide
- ✓ Sending out the information on hazardous products in real-time, directly to the check-out counters in convenient stores, supermarkets and etc.
- ✓ Preventing consumer from purchasing reported products
- ✓ ('14) 53 → ('15) 64 → ('16) 78 → ('17) 88 (thousand stores)

Hazardous Food Sales Prevention System



위해식품차단시스템

식품위생법에 의하여 본 상품은 [긴급회수] 대상입니다.
해당 상품의 판매를 중지하시고 회수업체에게 반품하여 주시기 바랍니다.

XXXXXX

바 코드 8801234567890
제조업체 00공장
제조일자 2014-06-10
(제조번호)
유통기한 2014-12-31
위해사유 현장단속
고시처 식약처
고시일시 2014-06-20 10:20:36

판매:상품 판매(다음 판매시 화면 표시)
판매취소:상품 판매취소(다음 판매시 화면 표시)
조치완료:조치완료(다음 판매시 화면 표시안함)

1 판매 3 판매취소

보유재고수량

2 조치완료

위해식품 보유재고수량을 반드시 입력하셔야 조치완료가 가능하며,
입력된 재고수량은 검사기관으로 통보되어 상품회수에 도움을 드립니다.
"판매 중지된 안전상비 의약품"은 보유재고수량을 반드시 입력해야 합니다.
발기간 미 조치 시, 관계기관으로부터 행정 조치가 가해질 수 있습니다.

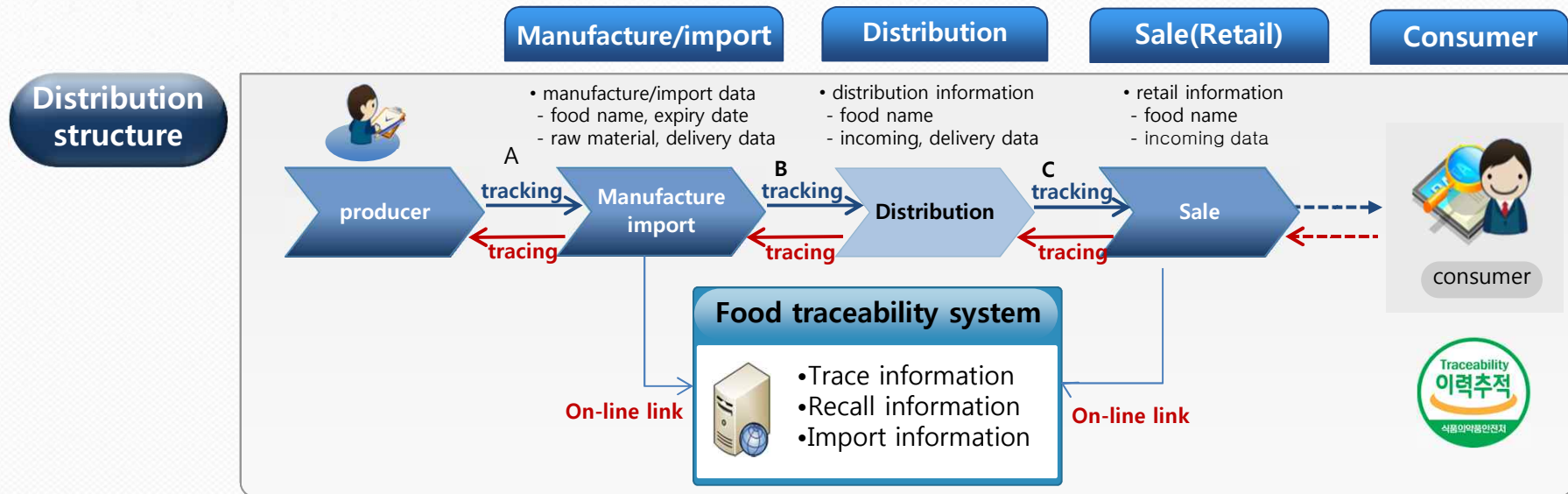
- **Scanning** the bar code of the hazardous food
→ Sales prohibition message will pop up on the screen



4 Food Traceability System

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Food Traceability System



- 'Food Traceability System' is applied for finding cause of food safety risk and for effective recalls and etc. When hazards occur in foods, improve food safety and provide more accurate information to consumers.
- Mandatory application('14~) : Manufacturing, Processing, Importing, Distributing
 - Infant and baby foods, health functional food products, milk formulas

* Application : ('14)1,282 → ('15)3,287 → ('16)5,901(Business Operators)

Food Traceability System



제품기본정보	원재료정보	기본정보, 회수정보
기본정보		
제품 이미지		
제품명	[제품명] [제품명] [제품명]	
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유통기한	2016-05-18	
제조일자	2016-11-19	

제품기본정보	원재료정보	기본정보, 회수정보
기본정보		
제품 이미지		
제품명	[제품명] [제품명] [제품명]	
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유통기한	2016-05-18	
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● Checking Food traceability number

- General food information & raw material information will be identified easily
- * Manufacturing company, Processing date, Raw material, Country of origin, GMO information, Recall etc.



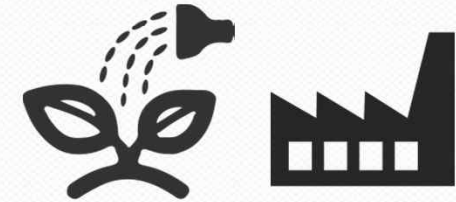
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Food Import Control

Food Import Control System

Pre-Import

- Import Risk Assessment
- Foreign Food Facility Registration
- On-Site Inspection



Border Inspection

- Risk-based Inspection (OPERA)
- Food Safety Information



Distribution

- Surveillance in Market
- Surveillance on online postings
- Inspection of food from online(distance) selling



Pre-Import Phase

Import Risk Assessment

- Import Risk Assessment should be completed for livestock products
- Both agriculture Ministry and MFDS conducts import risk assessment upon a request by exporting country

Registration of Foreign Food Facility

- A person who intends to import food, etc., into the Republic of Korea or a person who establishes and operates a foreign food facility shall register information (e.g. name, location, manufactured items), with the Minister of Food and Drug Safety by no later than seven days before filing an import declaration.

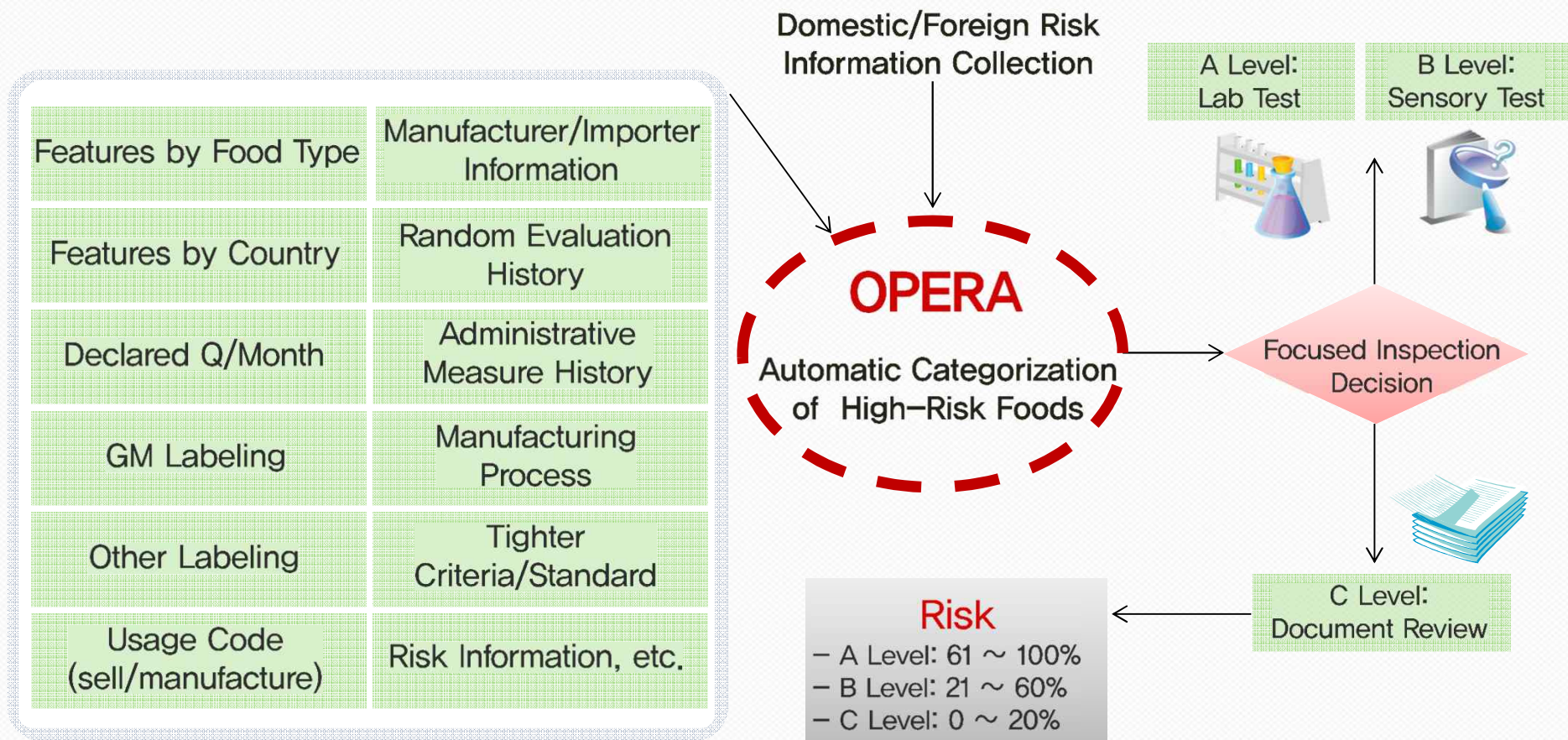
On-Site Inspection for Foreign Food Facility

- Where the Minister of Food and Drug Safety deems it necessary to verify the prevention of hazards and safety information, he/she may conduct on-site inspections after consulting with the government of an exporting country or a foreign food facility in advance.

Border Inspection

Risk-Based Inspection (OPERA)

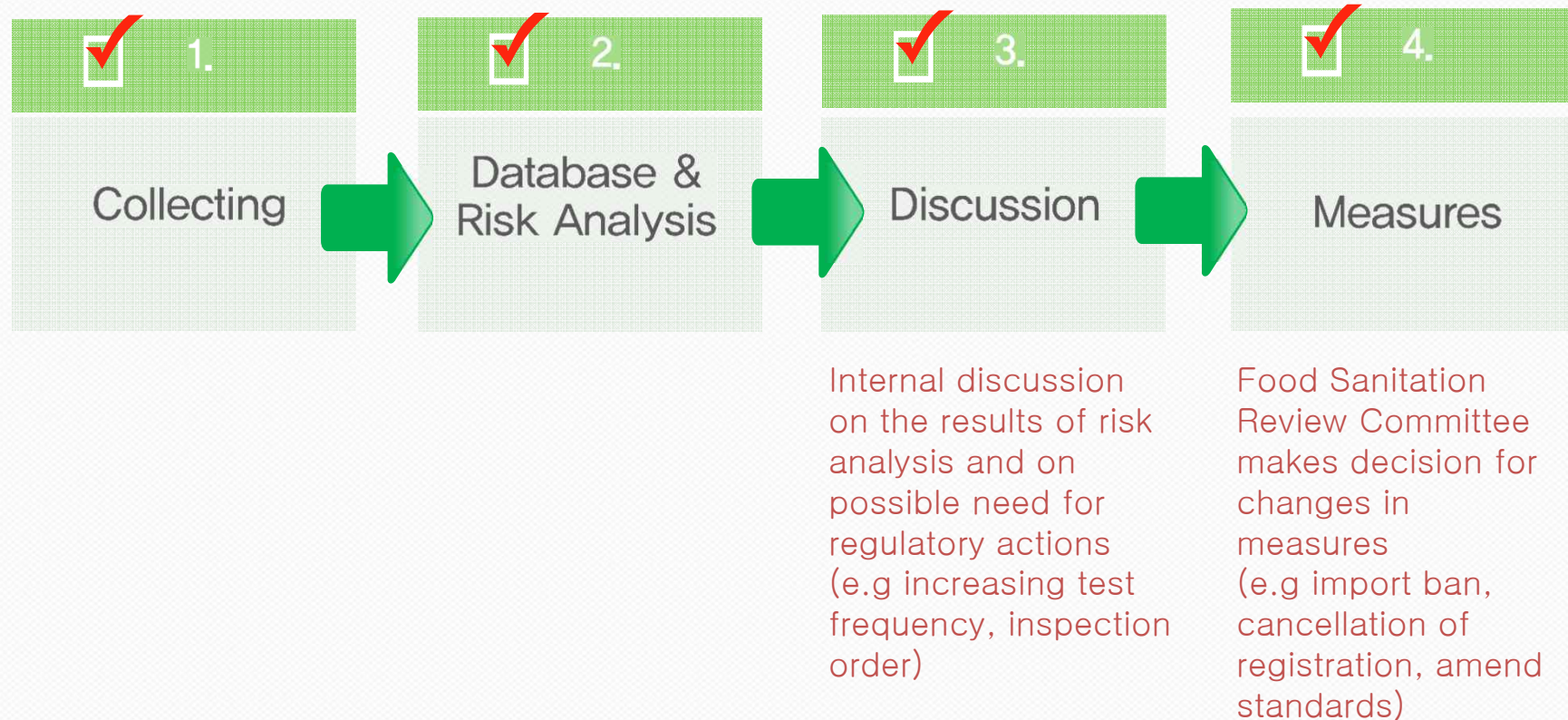
- All food safety information is linked to enable food safety management from production to consumption
- Developing an algorithm to calculate the risk for the system to identify companies for crackdown



Border Inspection (*contd.*)

Food Safety Information

- All food safety information is linked to enable food safety management from production to consumption



Distribution Phase

Surveillance in Market

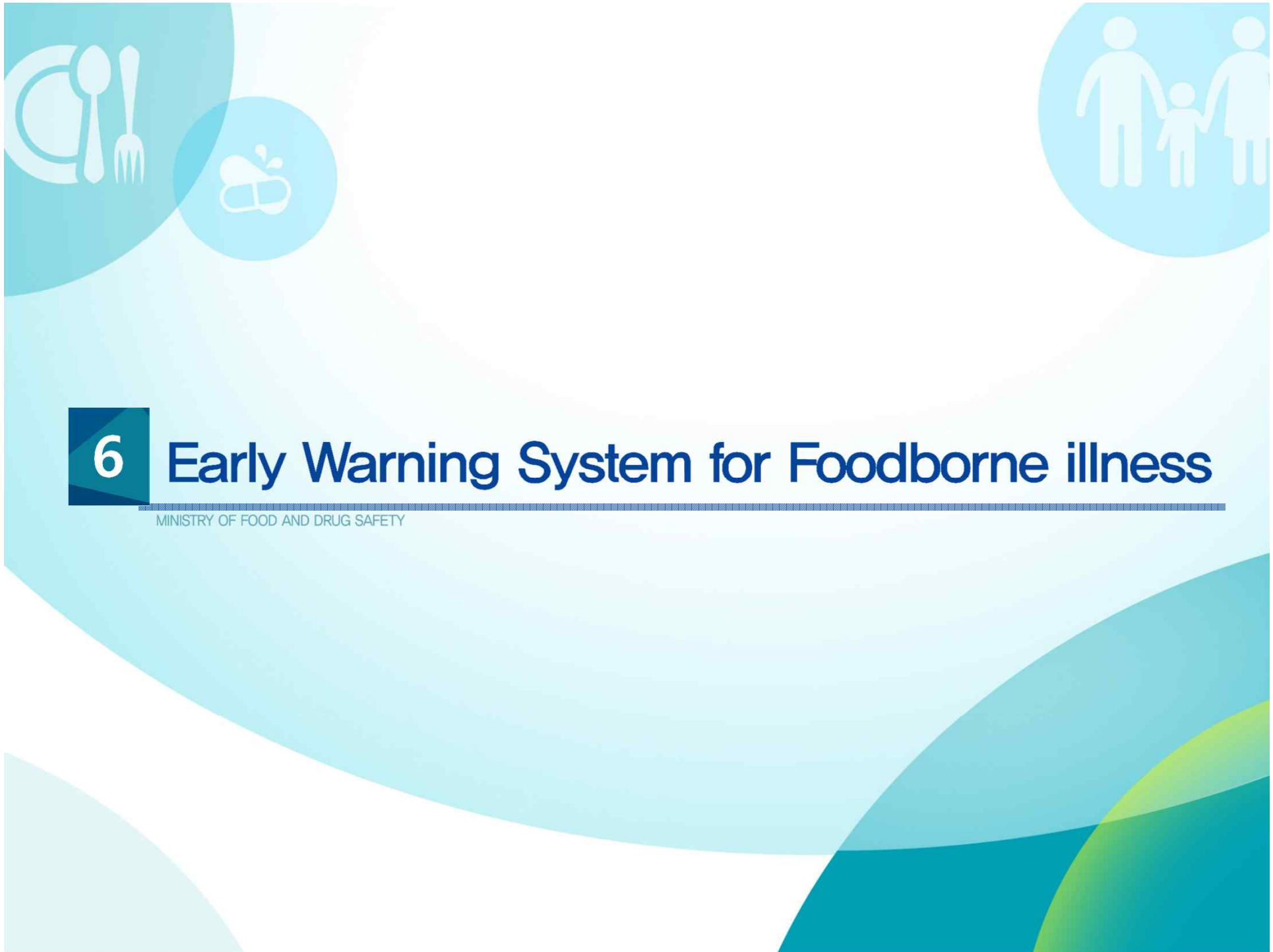
- Annual Plan based on National Diet Survey, rejection history, and food safety information

Surveillance on Online Postings

- Online Postings and advertisements on food products which mislead consumer
- MFDS issues a request for withdrawal to the violation against Food Labelling Standard

Inspection of Food from Online (Distance) Selling

- Food Products from Online Selling should be declared for custom clearance
 - Information to Declare : product name, actual user, ingredients, quantity
- Food products which contain hazardous ingredients or have safety information can be rejected



6

Early Warning System for Foodborne illness

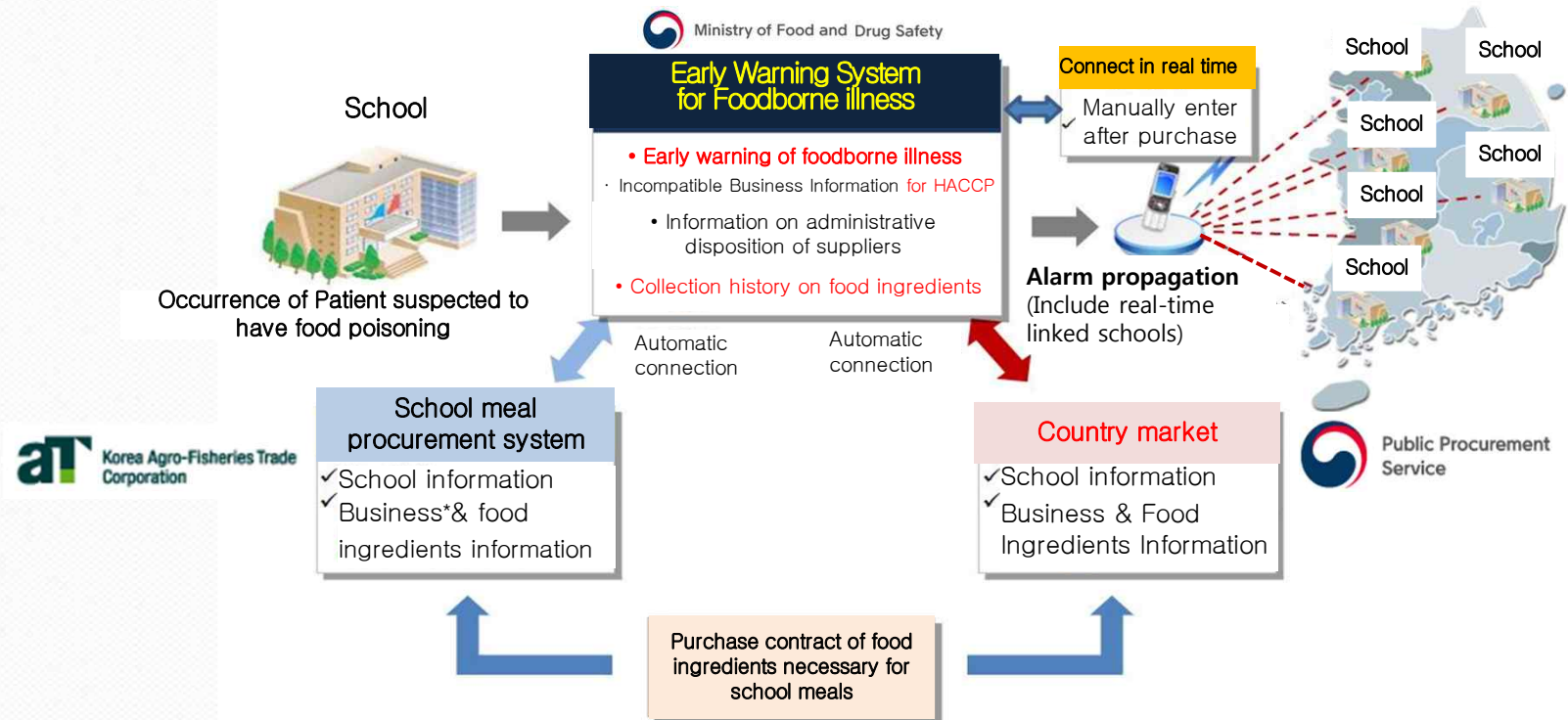
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Early Warning System for Foodborne illness

Purpose of Operation

Early Prevention of Foodborne illness and controlling the spread of it by issuing alarms such as SMS notification to schools where foodborne illness is likely to be caused by the same food materials.

※ A system was introduced to prevent the spread of foodborne illness according to the occurrence of large food poisoning(46 schools, 3,613 students) in the metropolitan area in 2006



※ Group Food Service of Food Sales Business, Food Manufacturing and Processing Companies, etc.



III

Future Needs for Food Safety Enhancement

Future Needs for Better Enhancement

Risk Communication

- Consumer needs VS Regulation based on scientific evidence

Response to Climate Change

- changed in food quality, microbiology in food, and other safety factors
- surveillance on pesticide use and/or veterinary drugs at production

Integrated Regulation on Chemicals

- Integrated Assessment of human health risk for chemicals
- Environment, Agriculture and Health ministries cooperate for advanced regulation