

How to capture concepts of food safety in statistical terms: a framework for general definitions

Ana Martinez Palou - Eurostat

*Food and Agricultural Statistics in Europe - Geneva
2-4 July 2003*



Food safety statistics

- Introduction
- Scope
- Approach

*Food and Agricultural Statistics in Europe - Geneva
2-4 July 2003*



Introduction

Historical context of crisis

- 2000: White paper on food safety
- 2001: CEIES meeting
- Regulation 1257/1999: rural development
- March 2002: Eurostat - Unit F5

*Food and Agricultural Statistics in Europe - Geneva
2-4 July 2003*

Consumer's protection: Legal framework

- Article 153 of the Treaty
- Regulation 178/2002:
 - ✧ European Food Safety Agency
 - ✧ procedures
- Regulation 1257/1999: rural development
 - ✧ improve product quality

Food safety statistics

→ Quantitative evaluation of data on the safety of products

- ✧ Food + feed
- ✧ Production intra-EU + imports
- ✧ across time and space
- ✧ access to population: physical and financial

*Food and Agricultural Statistics in Europe - Geneva
2-4 July 2003*

Fields covered

- Security of supply
- Food safety
- Products with distinctive marks
- Contact materials

*Food and Agricultural Statistics in Europe - Geneva
2-4 July 2003*

Security of supply

→ Sources

✧ seeds

✧ water

✧ energy

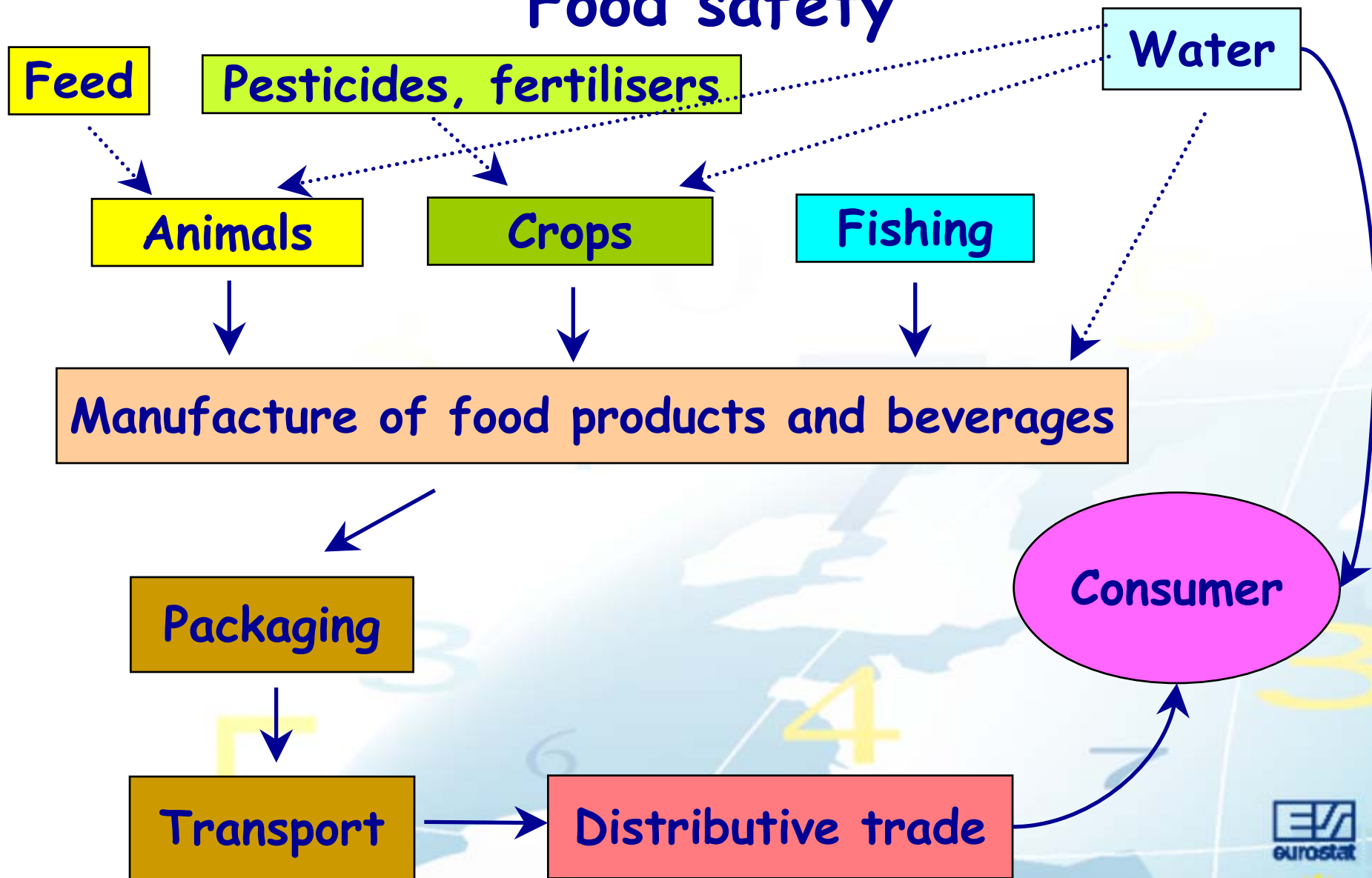
✧ lack of risk

→ Availability of the offer

→ Access to the population



Food safety



Qualitative approach

- Production standards
- Labelled production
- Unfit production
- Contact materials
- Traceability
- Impact of the food chain

Products with distinctive marks



Protected Designation of Origin (PDO)

Protected Geographical Information (PGI)

Traditional Speciality Guaranteed (TSG)

Organic farming

GMO

Approach: Actions 2002/2003

- Make an inventory of EU legal acts related to food safety issues
- Make an inventory of data available and the related methodology

Inventory of data

→ Wide set of organisations concerned:

- ✧ statistical office
- ✧ ministry of agriculture
- ✧ ministry of health
- ✧ national food agencies
- ✧ etc.

→ Replies received from 10 EU countries and 9 Candidate Countries

→ Statistical and administrative data

Inventory of data: Primary production

Statistical information



Animals and animal products

- Livestock
- Meat production
- Milk and milk products: collection and processing
- Hatching
- Value of production
- Imports / exports
- Selling prices

Crops

- Harvested production
- Yields
- Land use
- Value of production
- Imports / exports
- Selling prices of crops products (wine, olive oil, etc.)

Fishing

- Catches
- Imports / exports
- Landings
- Fishing fleet
- Aquaculture

Number and area of agricultural holdings

Inventory of data: Qualitative approach

Controls and monitoring

DG SANCO ☺

Animals and animal products

Crops

- SHFIT: Veterinary controls at the borders
- Zoonotic agents in animals
- ADNS: Animal Disease Notification
- Residues in animals and animal products
- ANIMO: Movements of live animals
- BSE testing

- Pesticide residues on cereals and products of plant origin, fruit and vegetables
- Europhyt: Plant Health Information

Quality approach: Input in agriculture

Controls and monitoring

DG SANCO ☺

Feedingstuffs

Water

- Zoonotic agents in feedingstuffs
- Residues in feedingstuffs including drinking water
- Reports on animal nutrition

Food chain: manufacture of food products

Quality aspects DG SANCO ☺

- RASFF: Rapid Alert System for Food
- Zoonotic agents in food
- Control programme on food
- Pesticide residues on cereals and products of plant origin, fruit and vegetables

Actions 2002/2003

- Create a data base
- Define indicators

*Food and Agricultural Statistics in Europe - Geneva
2-4 July 2003*



Actions 2004/2005

- Propose a common methodology and identify areas for improvement
- Task forces on identified priority areas:
 - ✧ controls
 - ✧ products with distinctive marks
 - ✧ food consumption
 - ✧ risk assessment