



Emerging risk identification systems

safe

FOODS

Gijs Kleter, Hans Marvin



Schedule

- EU-initiatives
- International initiatives
- Rapid Alert System for Food and Feed



EU-initiatives

EU-initiatives

■ SAFEFoodERA

- EU-funded project focused on food safety
- Bringing together national and EU initiatives
- “Emerging risks” is one of the topics
 - Pro-active identification of emerging risks
 - Expert database
 - Strategies for prognosis

■ PeriApt and EMRISK: see separate presentation by H. Marvin



EU-initiatives

EU-initiatives (contd.)

- European Commission
 - Scientific Committee on Emerging and Newly-Identified Health Risks (SCENIHR)
 - Focuses on emerging health risks in general
 - Documents on website, e.g. nanotechnologies
- EUROSTAT “Food Safety Statistics”
 - Linkage of all kinds of data on food production, trade and safety data from EU and national authorities, as well as public health data
 - Potentially helpful for identification of emerging risks



EU-initiatives

EU-initiatives (contd.)

- European Center for Disease Prevention and Control (ECDC)
 - EU networks for epidemiological surveillance and rapid response
 - Transnational issues
 - Coordination of EU surveillance projects
 - *E.g.*, antimicrobial resistance, EHEC etc.
 - Early Warning and Response System



EU-initiatives

EU-initiatives (contd.)

- UK DEFRA Horizon Scanning
 - Department of Environment and Rural Affairs (DEFRA)
 - “Future risks,”
 - Identification of issues (media scan, inputs from the public)
 - Food production one of 5 priority areas
 - Redefinition of strategy soon to come



International initiatives

International initiatives

- WHO

- INFOSAN (National Food Authorities)
 - Global Alert Outbreak and Response Network
 - Disease relevant for international public health
 - Expert advice, emergency response, lab support
- Global Public Health Intelligence Network
 - Screening Internet sites for information on outbreaks



International initiatives

International initiatives

- (WHO, contd.)
 - FOODWEB (linking surveillance networks)
 - Surveillance Program for the Control of Food-borne Infections and Intoxications in Europe
 - Mediterranean Zoonoses Control Program
 - Global Salm Surv (Salmonella)



International initiatives

International initiatives

- OIE – International Animal Health Organization
 - Animal Health Codes
 - Terrestrial, aquatic
 - Outbreaks of animal diseases with possible consequences for other member states
 - Including emerging diseases besides listed diseases
 - Global Framework for the Progressive Control of Transboundary Animal Diseases (GF-TAD)
 - In preparation with FAO and WHO
 - Exchange of information with each other and other authorities
 - Early warning, e.g. in developing countries



International initiatives

International initiatives

■ FAO

- Global Information and Early Warning Service (GIEWS)
 - Food security
 - Various information sources, e.g. trade, satellite
 - Cooperation with authorities and FAO FIVIMS (Food Insecurity and Vulnerability Information Mapping Systems)
 - Emergency response teams



Rapid Alert System for Food and Feed (RASFF)

- Centralized system
 - Required by General Food Law 178/2002/EC
 - Members: EU, EFTA, Commission,
- Notifications
 - “Alerts” of importance for other member states
 - Actions can be taken
 - “Information” that can be contained by member
 - Weekly and annual reports on website
 - Reported hazards are known

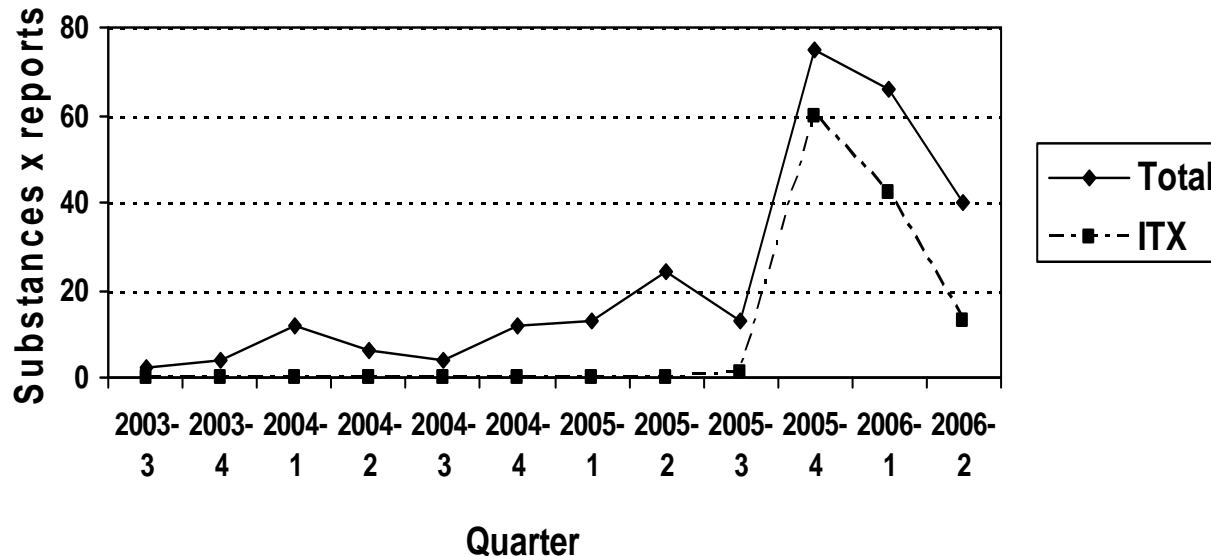


Rapid Alert System for Food and Feed (RASFF)

- Research study:
 - Can data be used for trend analysis
 - Early recognition of trends possible?
 - Links between hazards and other parameters?
 - Certain regions of origin?
 - Certain products ?
 - Three-years data, 8416 records (next slides)

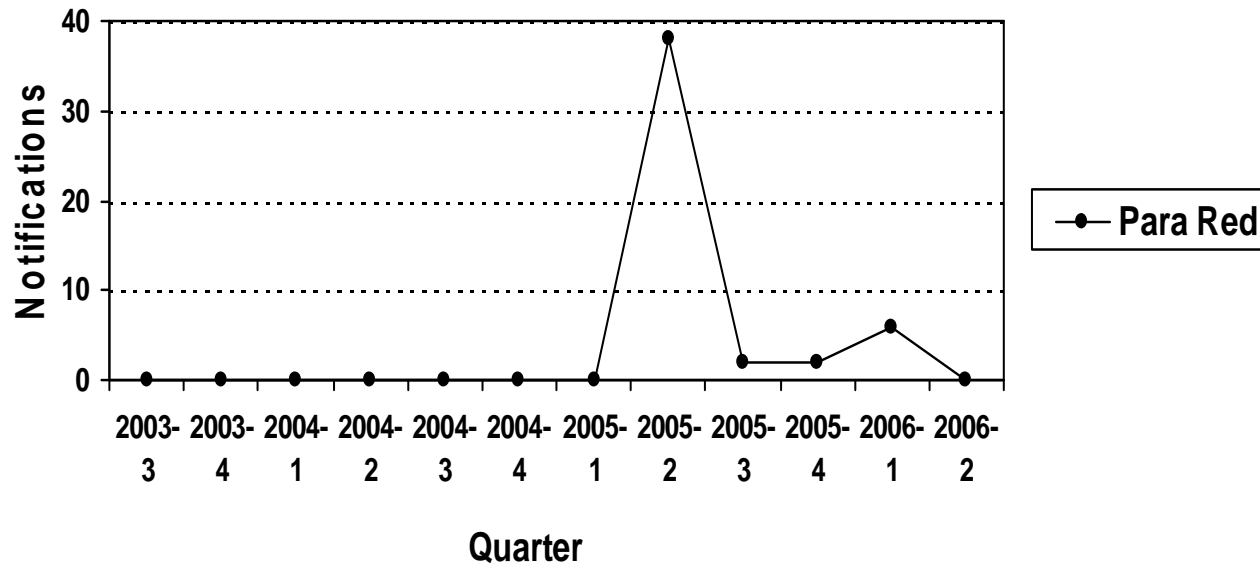


Rapid Alert System for Food and Feed (RASFF)



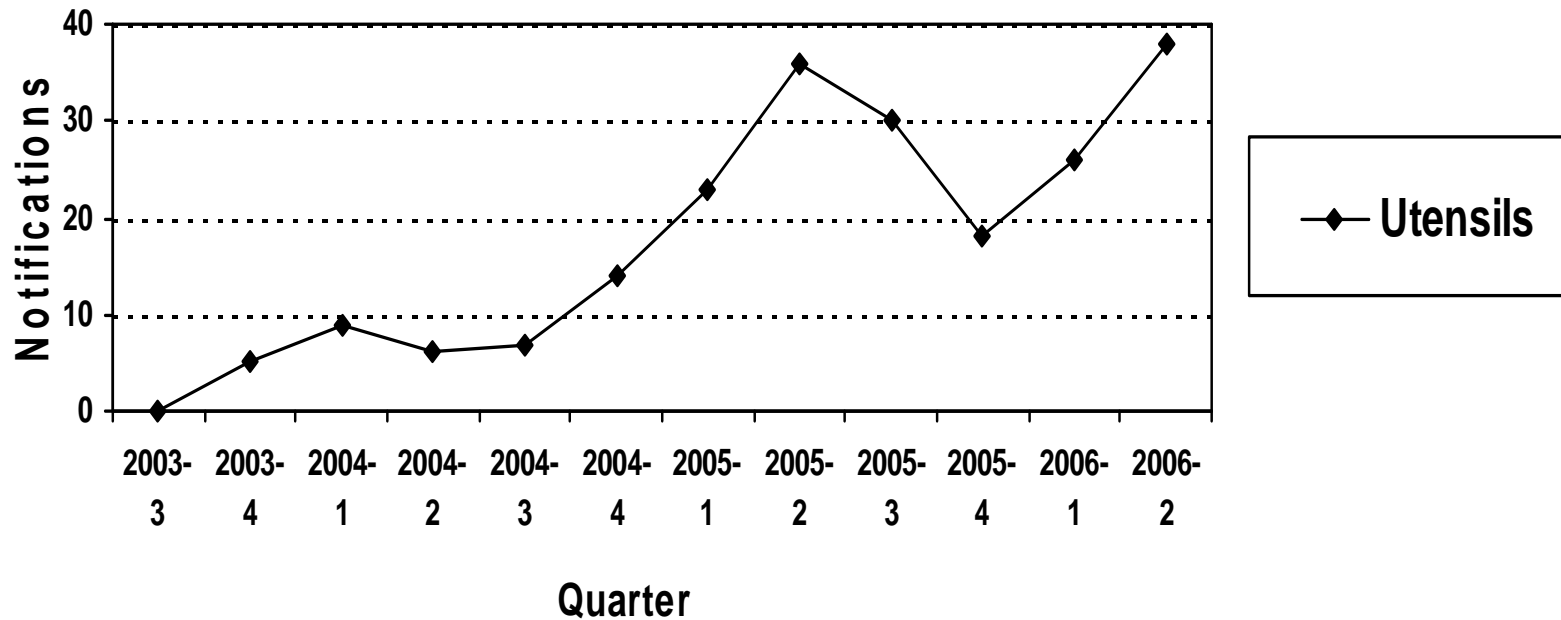
- Increasing trend towards reports on food contact substances
 - Cutlery and other kitchenware, particularly from China
 - ITX reports (packaging of juices etc., EU)

Rapid Alert System for Food and Feed (RASFF)



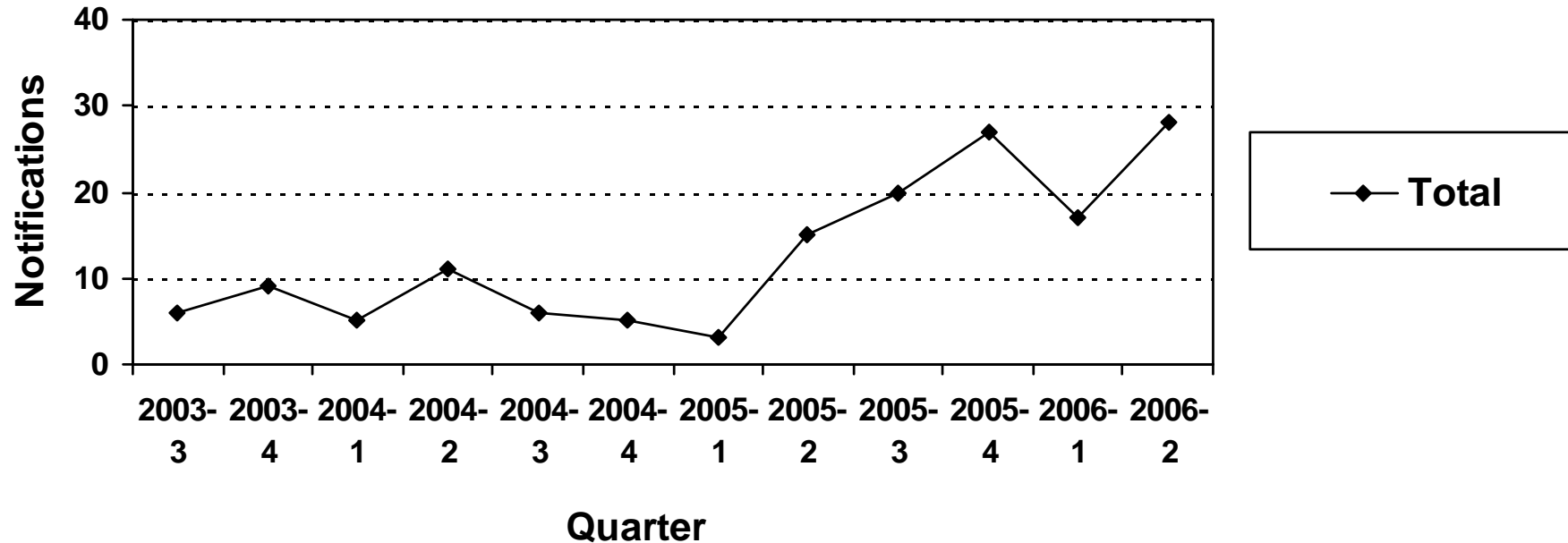
- Blip in occurrence of dye Para Red
 - Mainly in spices and condiments from European countries (EU and non-EU)

Rapid Alert System for Food and Feed (RASFF)



- Increasing trend in reports on utensils
 - Migration of heavy metals or organic substances used in plastic production, from utensils originating from China

Rapid Alert System for Food and Feed (RASFF)



- Increasing trend in reports on fraudulent issues
 - Mainly lack of authorizations, illegal import
 - Sometimes multiple reports on same type of product

Rapid Alert System for Food and Feed (RASFF)

Conclusions on RASFF:

- In most conspicuous cases, the reports had already given rise to measures
- Combination with other data would be useful, such as strived for by EuroStat



**Thanks!
Any questions?**

