



1830-3862



EUROPEAN **FOOD SAFETY** AUTHORITY

# European Food Safety Authority (EFSA)- activities related to VTEC

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CRL E.coli

- 11 dicembre  
2006





European Food Safety Authority

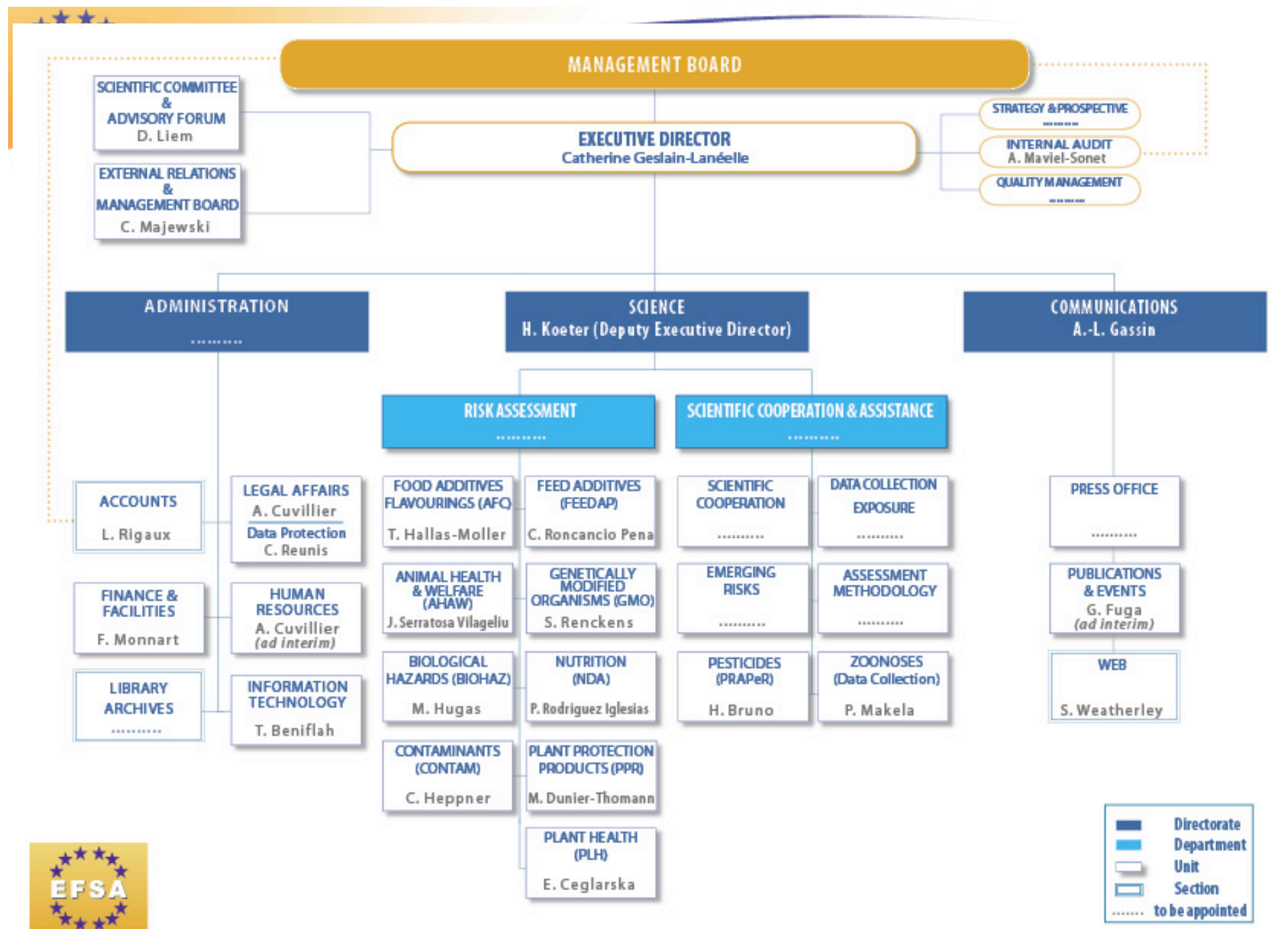


# EFSA's mission

- Provision of scientific advice and scientific opinions
- Scientific and technical support  
in all fields with impact on food and feed safety
- Provision of independent information within these fields
- Risk communication related to food and feed safety

## The 9 EFSA Panels

-  Panel on contaminants in the food chain
-  Panel on food additives, flavorings, processing aids and materials in contact with food
-  Panel on dietetic products, nutrition and allergies
-  **Panel on biological hazards**
-  Panel on additives and products or substances used in animal feed
-  Panel on genetically modified organisms
-  Panel on animal health and welfare
-  Panel on plant protection products and their residues
-  Panel on plant health



## The Unit of Zoonoses (data collection)

- Under “Science” and “Scientific Cooperation and Assistance”
- Two main tasks:

 Annual data collection and reporting on zoonoses in EU

 Analyses of Community-wide baseline surveys on zoonotic agents

# New Zoonoses legislation

- ❖ Directive on the monitoring of zoonoses and zoonotic agents (2003/99/EC)  
gives EFSA the task to examine the data collected from the Member States and to publish an annual Community summary report
- ❖ Member States have an obligation to report each year
- ❖ EFSA took over the task in 2005

# The Zoonoses Directive

- Data collected on
  - zoonoses and zoonotic agents in foodstuffs, feed and animals
  - Foodborne outbreaks
  - Antimicrobial resistance
  - Animal populations



# Zoonoses Directive

- Data collection **mandatory** for 8 zoonoses:
  - *Salmonella*
  - *Campylobacter*
  - *Listeria monocytogenes*
  - *Brucella*
  - Tuberculosis due to *Mycobacterium bovis*
  - **Verotoxigenic *Escherichia coli***
  - *Trichinella*
  - *Echinococcus*



# Member States

Animal , food and  
feed monitoring

Foodborne  
outbreaks

Communicable  
diseases

Z  
C  
C



**DSNs**  
-Enter-Net  
-EuroTB

Zoonoses

**BSN**



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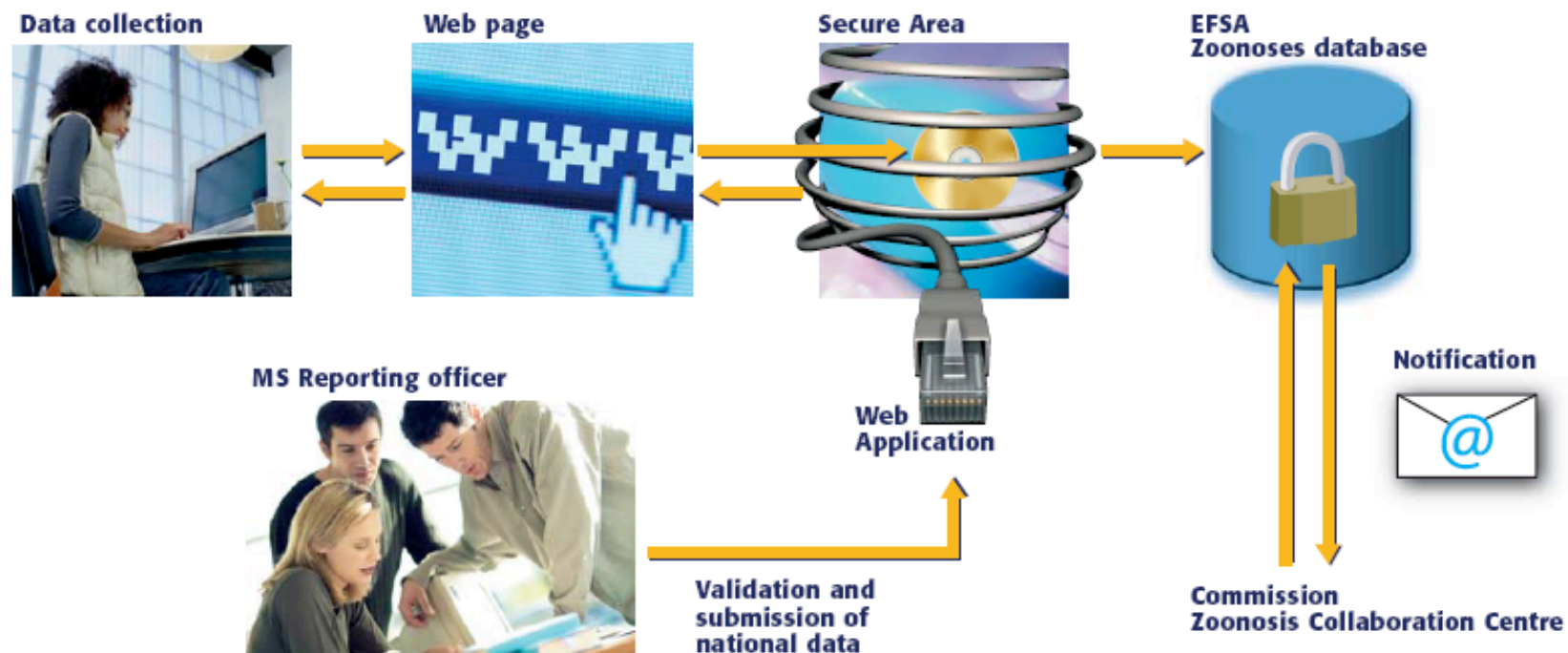
# Task Force on Zoonoses Data Collection

- 33 members: all Member States, Norway, the Commission, ECDC and ZCC
- 5 observers (WHO, OIE, Switzerland, Romania and Bulgaria)
- Assists and advises EFSA in all matters related to zoonoses data collection



# EU zoonoses monitoring data

## WEB-BASED DATA COLLECTION & REPORTING



## Reporting guidelines

- Reporting Manual
- Recommendations for
  - animal/food/agent species to be covered
  - Analytical/diagnostic methods to be used
  - Interesting information to be reported
- Under revision – CRLs will be consulted for the methods

## Analyses of the Zoonoses Data

- Analyses of trends over the years (in MS/ EU)
- Identification of sources of human infections (which foodstuffs/ animal species)
- Geographical distributions
- large amount of data each year → Summary of the main findings



# EFSA's 1. report from 2004 data

Address [http://www.efsa.europa.eu/science/monitoring\\_zoonoses/reports/1277\\_en.html](http://www.efsa.europa.eu/science/monitoring_zoonoses/reports/1277_en.html) Go Links >>

de | en | fr | it

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**Science**

- Data Collection
- Scientific Committee
- AFC Panel
- AHAW Panel
- FEEDAP Panel
- PPR Panel
- PLH Panel
- GMO Panel
- NDA Panel
- BIOHAZ Panel
- CONTAM Panel
- Register of requested opinions
- Zoonoses
  - ... TF Members
  - ... Meetings
  - ... ZDC Reports
- PRAPeR
- TSE assessments
- Scientific reports
- External Documents
- Colloquium Series
- Conferences

**ZDC Reports** ■■■

>> You are here : EFSAWeb | Science | Zoonoses

**EFSA's First Community Summary Report on Antimicrobial resistance in the European Union in 2004**

**EFSA's First Community Summary Report on Antimicrobial resistance in the European Union in 2004**

European Union in 2004 was published in 2005. It contains information collected from all right control measures regarding diseases affecting humans, affected over 380,000 EU citizens. According to the report, the two most frequent infections. These bacteria were also common in animals. Antimicrobial resistance in zoonotic agents.

**Please note the following**

The national zoonoses country reports with effort was made to keep the information in the data sets may still occur.

**NEW PUBLICATION**

The printed version of the **2004 Report** It contains information collected from all right control measures regarding diseases affecting human health. It is the first time that EFSA Report. The main report contains a summary level 3 tables include an overview of all feedingstuffs.

**Main Report**



**TRENDS AND SOURCES OF ZOOSES, ZOONOTIC AGENTS AND ANTIMICROBIAL RESISTANCE IN THE EUROPEAN UNION IN 2004**

February 2006



European Food Safety Authority

Done Internet



## VTEC in food and animals

- Reporting mandatory for the first time regarding the 2005 data
- 21 MS provided data
- MS reported findings of VTEC (in general) and also specific serotypes (O157, 091, ...) when the information was available



## **Analytical methods used by MS for VTEC**

- ISO 16654 – most frequently mentioned
- ISO 10273
- ISO 6579
- NMKL 164
- PCR
- IMS

# Difficulties with the VTEC data

- Different analytical methods used, some of them only looking for O157
- Lack of information on isolated serotypes from food and animals
- It is not possible to properly assess the relevance of different foods and animal species as sources of human infections
- a need for more detailed information on the serotypes and other virulence factors related to human diseases

## EFSA's intention

- to ask for an scientific opinion from BIOHAZ panel regarding
  - Identification of the human pathogenic VTEC strains
  - Optimal monitoring and analyses methods to be used in food and animals



# Analyses of the Community-wide baseline surveys

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## Baseline surveys

- Fully harmonised by Commission Decisions
- MS to report to COM, EFSA analyses the results
- COM Regulation on Reduction Target
- MS to set up a control programme to meet the Target
- EFSA will follow if the targets are met

## Current and foreseen baseline surveys

- Salmonella in laying hens: 2004-05; 2006
- Salmonella in broiler flocks: 2005-06; 2007
- Salmonella in fattening pigs: 2006-07; 2008
- Salmonella in turkey flocks: 2006-07; 2008
- Salmonella in breeding pigs: 2007-08; 2009
- Salmonella and Campylobacter in broiler meat: 2007-08?; 2009?
- Campylobacter in live broilers: 2008-09?; 2010?



Thank you for your attention!