

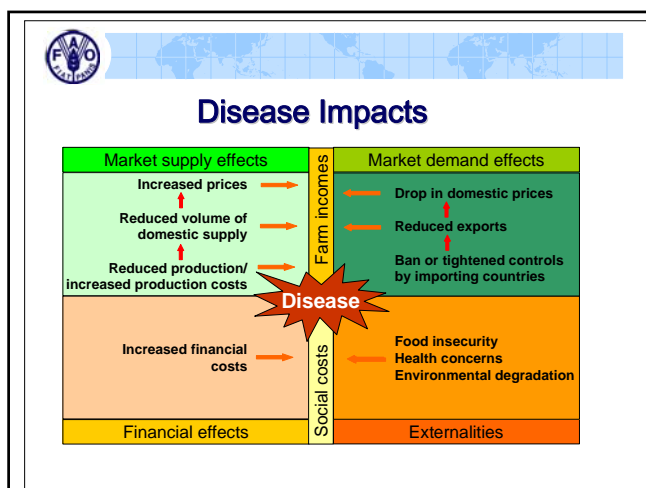
## Aims of animal ID, traceability and movement control

- Improvement of animal health
- Improvement of public health
- Improved statistics and development of the livestock sector
- Subsidy payments

## Animal health is the priority

Otherwise.....

- Poor animal performance
- Limited breeding opportunities
- Poor use of feed resources
- Reduced prices
- Low income
- Risk to human health (zoonoses)
- Export bans





## The Approach of the Global Framework

- Progressive Control of the Disease at the Source of Infection
- Programme driven by regional priorities
- Veterinary Services to be enabled for
  - Emergency Preparedness
  - Early Warning / Alert (FAO / OIE / WHO support)
  - Effective Early Response
  - Recovery



## Points of Departure

- Disease-free 'islands' increasingly difficult to establish and maintain by individual nations or trade blocks
- International disease management has become more complicated - more issues, more stakeholders, more diseases
- Increasing disparity in international animal health & food safety status and infrastructure
- Need for integrated, inclusive, far-sighted international animal and veterinary public health management architecture

## OIE 2005

- Animal ID and traceability are key tools for animal and public health and trade
- Member countries have variety of systems but no international standards and guidelines
- Divergence may affect international trade and quality of disease information
- Legislation, standards and information exchange between databases are very important

## OIE 2005

OIE in close collaboration with Codex (FAO/WHO) should:

- determine common definition for animal traceability and propose guidelines appropriate to the risk involved to attain desired outcomes
- disseminate updated information on animal ID and traceability
- provide specialized assistance to facilitate design and implementation
- define criteria for establishing priorities taking account of needs of developing countries

## OIE 2004

*Animal identification and traceability (survey)*  
LO Barcos

## Species

- Cattle
- Sheep
- Pigs
- Poultry
- Equidae
- Companion animals



Feed

## Aims of animal ID, traceability and movement control

- Improvement of animal health
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- Subsidy payments

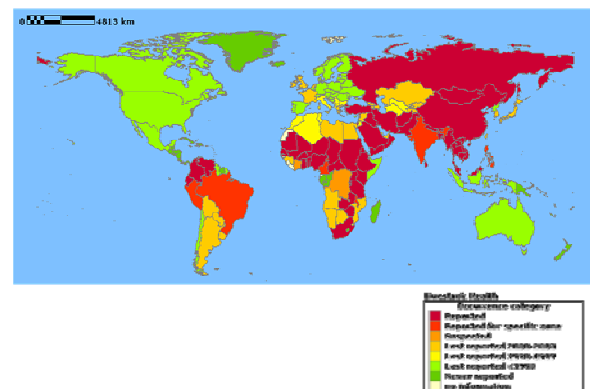
## I&R standards in the future should be built up in line with....

- Unified standards for holding registration
- Unified and unique method of numbering and identification
- Registration of animals on central database
- Registration of births, movements, deaths and slaughters
- Registration of veterinary events and other events

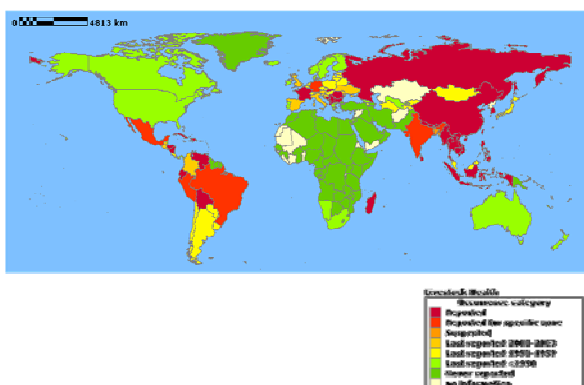
## Principle concerns

- BSE
- FMD
- CSF

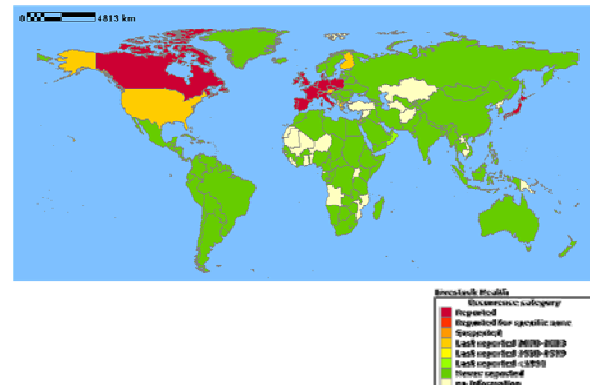
### Foot and Mouth Disease 2004



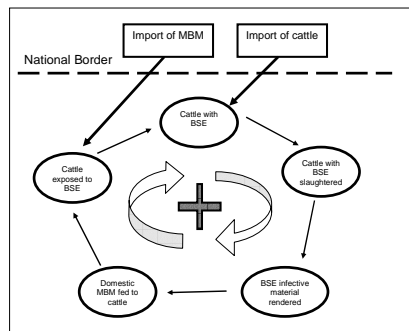
### Classical Swine Fever 2004



### BSE 2004



### External challenge and domestic amplification cycle of BSE



### Risk Analysis

- Risk Assessment ➤ ID and Traceability
- Risk Management ➤ ID and Traceability
- Risk Communication ➤ ID and Traceability

### Surveillance and Prevention

- Epidemiology
- Surveillance
- Farms
- Feed industry
- Meat Industry



### Courses

- Introductory Neurobiology
- Diagnostics
- Surveillance and epidemiology
- TSE management in the Feed Industry
- TSE Management in the Meat Industry

### Surveillance and Prevention

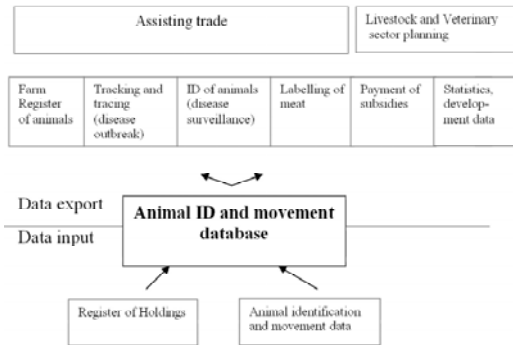
- Competent authority
- Diagnostic laboratory (reference lab)
- Local veterinary services
- Identification and registration
- Farmers
- Abattoirs



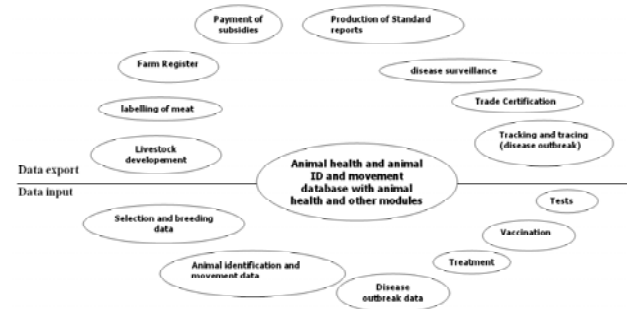
### Elements of the system

- Ear tags as markers
- Database (entities and events)
- Cattle passports
- On farm register of animals

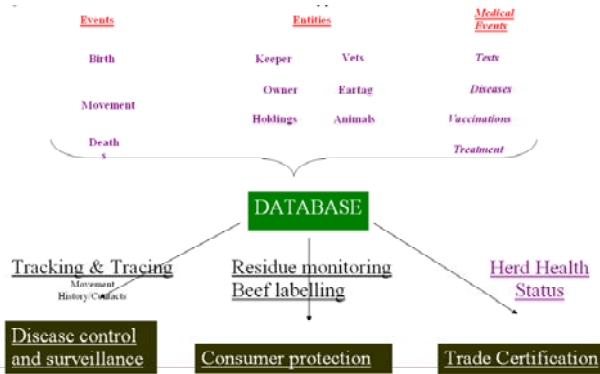
## The system



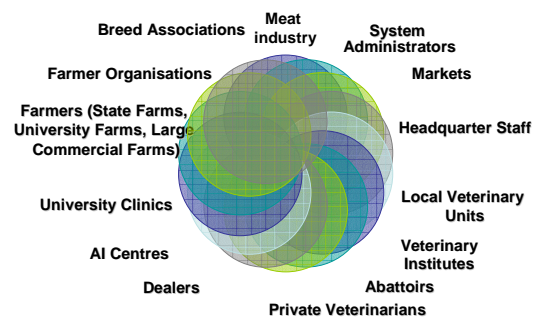
## Integrated animal ID and movement database with different modules



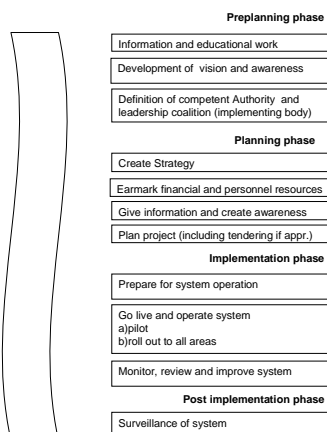
## Events and entities recorded in the I&R database and key performance results



## Stakeholders



## Phases with an outline of activities in each phase



## OIE 2004

### Main constraints

- Economic 81%
- Technological 48%
- Cultural 35%
- Geographical 27%
- Legal 20%

## Further assistance

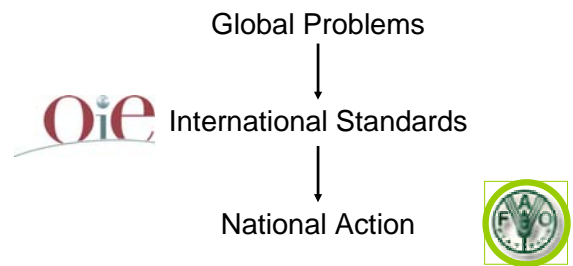
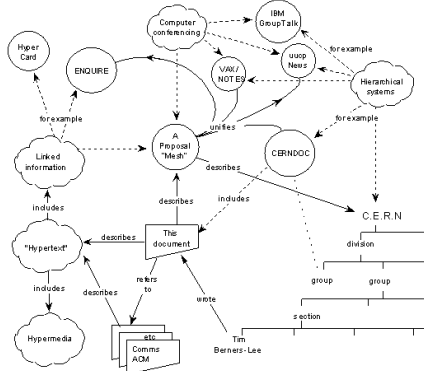
- Create a WEB page on ID and traceability to help countries on this issue and facilitate harmonization
- Provide developing countries with technical support in order to define the problems involved in ID and traceability and support the application of this system at a regional level
- Carry out audit missions on ID and traceability
- Propose the standardization of protocols for exchanging data on ID and traceability

OIE 2004

Unified method, system,  
register, information exchange

# Tim Berners-Lee

Proposal to CERN 1989



## Way forward

- Who
- What
- When
- How (much)

# Partnership

- ✓OIE
- ✓FAO
- ✓ICAR
- ✓EU
- ✓National governments
- ✓Industry
- ✓Farmers