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

Disease Impacts

Global Problems

International Standards

National Action

Global Framework for the Progressive Control of FMD and other TADs – A Joint FAO / OIE Initiative –
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 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 raking 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
- Improvement of public health
- Improved statistics and development of the livestock sector
- 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

Global Problems
International Standards
National Action

Way forward

- Who
- What
- When
- How (much)

Partnership

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