

**OIE/FAO INTERNATIONAL SCIENTIFIC CONFERENCE
ON FOOT AND MOUTH DISEASE
Paris, 17–18 April 2001**

An OIE/FAO¹ International Scientific Conference on foot and mouth disease (FMD) was held at the Office International des Epizooties (OIE) headquarters from 17 to 18 April 2001.

The Members of the OIE FMD and Other Epizootics Commission and the International Animal Health Code Commission, the Presidents of the OIE Regional Commissions, the Experts of the OIE FMD Reference Laboratories, as well as Senior Staff of the FAO Animal Health Services and the OIE Central Bureau participated at the Conference.

The OIE Regional Coordinators and the Head of the Regional Coordination Unit for the South-East Asia FMD Programme, Observers from Member Countries and intergovernmental organisations also attended the Conference.

Dr Tony Garland, Consultant FAO-EMPRES², was appointed Rapporteur.

The Agenda and List of Participants are given at Appendices I and II, respectively.

Dr Romano Marabelli, President of the OIE and Dr Bernard Vallat, Director General of the OIE welcomed the participants and thanked Delegations and Representatives of Member Countries for attending the Conference. The opening addresses of Dr Marabelli and Dr Vallat were followed by further words of welcome from Dr Yves Cheneau, Chief of the FAO Animal Health Service. Both Dr Vallat and Dr Cheneau wished the Conference every success. The three opening speeches are at Appendices III and IV.

Dr James Pearson, Head, OIE Scientific and Technical Department, presented the Conference Objective and the Conference Agenda. The Agenda was approved by the participants. Each session was presided over by a Chairperson and a Rapporteur, who lead the discussion on each of the listed Agenda items. The recommendations developed during the meeting were discussed, modified as needed, and approved by the Conference participants. The final recommendations of the Conference are listed below.

1 FAO: Food and Agriculture Organization of the United Nations

2 EMPRES: Emergency Prevention System for Transboundary Animal and Plant Pests and Diseases

Conference objective:

To consider current foot and mouth disease issues and draft science-based recommendations and resolutions, addressed to the Member Countries of the OIE and FAO, to be presented to the International Committee of the OIE at its May 2001 General Session and to the Governing Bodies of the FAO.

RECOMMENDATIONS
of the OIE/FAO International Scientific Conference
on Foot and Mouth Disease

RECOMMENDATION NO. 1

**Review the following definitions in foot and mouth disease Chapter
of the OIE *International Animal Health Code*:**

- a) The criteria for the declaration of an outbreak
- b) Freedom from disease or freedom from infection

CONSIDERING THAT

In the OIE *International Animal Health Code* (the *Code*), Chapter 1.1.1. General definitions, an 'infected zone' is defined as an area 'in which a disease included in this *Code* has been diagnosed' and the definition of an 'outbreak' is restricted to an 'Outbreak of Disease'. Neither of these definitions covers subclinical infection

The inclusion of subclinical infection in these definitions is important for disease control and trade

In *Code* Chapter 2.1.1. Foot and mouth disease (FMD), only two categories for freedom from FMD are recognised, namely: 'FMD free where vaccination is practised' and 'FMD free where vaccination is not practised'

Vaccinated animals can become subclinically infected or develop a carrier state

The OIE FMD and Other Epizootics Commission has proposed changes to Chapter 2.1.1. of the *Code* to address FMD infection

THIS CONFERENCE RECOMMENDS THAT

1. The relevant chapters of the *Code* be amended to include a definition of FMD infection, encompassing the category of subclinical infection.
2. The OIE FMD and Other Epizootics Commission and the OIE International Animal Health Code Commission finalise the proposed changes to Chapter 2.1.1. of the *Code* to redefine 'freedom from FMD' as 'freedom from FMD infection'.
3. The FMD and Other Epizootics Commission of the OIE define the surveillance standards required to verify the status of 'Freedom from FMD Infection'.

RECOMMENDATION NO. 2

Emergency foot and mouth disease control methods:

a) Stamping-out/restriction of animal movements

CONSIDERING THAT

The speed and extent of spread of outbreaks of the Pan-Asian strain of type O FMD in certain European countries during 2001 has been unprecedented

The spread of FMD virus within newly infected countries during the European outbreaks of 2001 occurred mainly through the movement of subclinically infected animals, and principally of sheep, and via contact with contaminated vehicles used for the transport of these animals

The exact initial mode of FMD contamination has not always been identified, but vehicles, markets, and other places where animals are collected have played a major role in the spread of the disease

There is increasing evidence from North Africa, the Middle East and Europe to suggest that subclinically infected sheep are a factor of major significance in the transmission and spread of FMD, both within and between countries and over long distances

The safe and timely disposal of large numbers of carcasses constitutes a serious impediment to the implementation of a successful stamping-out policy

There is currently insufficient evidence of alternative options to rendering, burning and burial for large-scale disposal of carcasses

National veterinary authorities should negotiate in advance with the environmental authorities as to the availability of options for carcass disposal for use in different areas of the country

International trade and movements of live animals and certain animal products are the main route of the international diffusion of FMD virus and other diseases

Early suspicion, recognition and laboratory diagnosis of FMD is essential for efficient control

Countries that are FMD free where vaccination is practised need a sensitive and specific test that can identify infection in vaccinated animals

There is a requirement for the establishment of the validity and suitability of serological tests for the detection and quantification of antibodies to the non-structural proteins of FMD virus and also for guidance on their use in surveillance to assist in the definition of the FMD status of a country/zone following implementation of a stamping-out policy

The imposition of restrictions on the movement of species that are not susceptible to FMD, and particularly of Equidae, beyond the existing provisions of Chapter 2.1.1. of the OIE *Code* has posed problems for several Member Countries

THIS CONFERENCE RECOMMENDS THAT

1. Member countries recognise the emergence of new and/or increasing risks to animal health including: changes to the livestock industry; increased movement of people, product and livestock; illicit traffic; and other factors predisposing to disease. Accordingly, Member Countries should undertake risk analyses and ensure that the risks are communicated to the relevant authorities and other sectors.
2. Countries engaged in international trade recognise the increased risk and impact of the occurrence of FMD and review their legislation, contingency planning, emergency preparedness, prevention measures and the availability of resources to ensure their adequacy.

3. Member Countries define the roles of their Veterinary Services and recognise that a national crisis planning exercise may be necessary, involving other agencies, for the effective management of a major FMD emergency.
 4. The Director General of the OIE set up an ad hoc group of specialists to examine the problem of the safe and timely disposal of carcasses arising from the enforcement of a stamping-out policy, and to recommend international guidelines for this purpose.
 5. Member countries free of FMD establish procedures for the immediate restriction of markets, gatherings of animals and transportation of susceptible species throughout the country, when the veterinary authorities first confirm the presence of FMD.
 6. Member Countries establish equipment, facilities and procedures for the effective disinfection of all relevant modes of transport used for the movement of animals and animal products, including as appropriate both the exterior surfaces and the interior transport compartment(s), both before and after their use for these purposes.
 7. The OIE Standards Commission evaluate the validity of tests for the detection and quantification of antibodies to the non-structural proteins of FMD virus and their suitability for monitoring and surveillance programmes and prepare guidelines for their application.
 8. The OIE FMD and Other Epizootics Commission evaluate the risk of transmission of FMD by the movement of Equidae and develop appropriate guidelines for consideration by the OIE International Animal Health Code Commission.
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RECOMMENDATION No. 2

Emergency foot and mouth disease control methods:

b) Criteria for the use of vaccination in livestock

CONSIDERING THAT

FMD vaccines should comply with internationally recognised pharmacopoeia standards

Emergency FMD vaccination is not fully addressed in the *OIE Code*

National circumstances may alter the objectives and the available options for the control of FMD

THIS CONFERENCE RECOMMENDS THAT

1. The use of FMD vaccines that comply with the criteria defined in the *OIE Manual of Standards for Diagnostic Tests and Vaccines* be strongly encouraged, and the use of live FMD vaccines be strongly discouraged.
 2. The definition, conditions of application and the consequences of emergency vaccination against FMD be considered and finalised for inclusion in the *OIE Guidelines*.
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RECOMMENDATION NO. 2

Emergency foot and mouth disease control methods:

- c) Protection against FMD, including by the use of vaccination in special cases**
(e.g. zoos, wildlife parks, rare breeds, rare genetic material, endangered species, animals in special research programmes)

CONSIDERING THAT

Certain rare and/or valuable animals and genetic resources are susceptible to foot and mouth disease

Member Countries have an obligation to conserve endangered species and in particular those covered by The Convention on International Trade in Endangered Species

In the case of a foot and mouth disease outbreak in a country/zone previously free of FMD, every measure should be taken to prevent the exposure of such animals to the virus

When the veterinary authorities consider that the risk of FMD infection appears imminent, vaccination is one measure that might be considered for the protection of such animals

In general, available FMD vaccines protect animals against the development of clinical disease, but do not protect them against the acquisition of infection

There is little scientific information available on the effects of FMD vaccination in wildlife species

Chapter 2.1.1., Article 2.1.1.6. of the OIE *Code* requires that, in order to regain the status of an 'FMD free country/zone where vaccination is not practised', either such vaccinated animals would have to be destroyed or a waiting period of at least 12 months would have to elapse

THIS CONFERENCE RECOMMENDS THAT

1. Member Countries ensure their national contingency plans against FMD include specific provision for the protection of such animals and materials.
2. The OIE consider the applicability of implementing compartmentalisation for the control of FMD and other transboundary diseases.
3. Chapter 2.1.1., Article 2.1.1.6. of the *Code* be modified, where appropriate, to allow for emergency vaccination of certain rare or valuable animals to be permitted without prejudice to the FMD free without vaccination status of the country/zone, provided that such vaccinated animals are individually identified and are maintained in a location that has physical barriers and where zoosanitary procedures are applied that are adequate to prevent contact with any susceptible animals that may be situated beyond the confines of the location, and that measures are in place that would prevent the spread of infection by fomites. This location could be considered as an 'FMD free zone where vaccination is practised', where all the attendant *Code* restrictions will apply to the vaccinated animals, their progeny, embryos, ova and semen and other products derived from these animals.
4. In respect of zoological collections, stakeholders should consider the funding of research into the efficacy of vaccines in non-domesticated ruminants and other species and the application of diagnostic tests in such species.

RECOMMENDATION NO. 3

**Risk of FMD transmission due to trade in commercial products
and the illegal carriage of animal products by international travellers**

CONSIDERING THAT

The recent introduction of the Pan-Asian strain of type O FMD virus into new territories and countries, as into South Africa and Europe, is likely to have been through the feeding of contaminated swill or contact with contaminated fomites

Certain commodities of animal origin (e.g. sausages, sausage casings and intestines) are traded internationally and some are carried by travellers without adequate precautions against their potential spread of the FMD virus

Some Member Countries have recently imposed restrictions on some products that are more stringent than those currently prescribed in Chapter 2.1.1 of the *OIE Code*

THIS CONFERENCE RECOMMENDS THAT

1. Member Countries re-evaluate their legislation and enforcement practices to minimise the risk of the introduction of FMD and other infections through swill feeding.
2. Member Countries strengthen measures to control the illegal carriage of animal products by international travellers.
3. The OIE International Animal Health Code Commission in association with the OIE FMD and other Epizootic Commission develop standards for the importation of commodities that are not currently listed in the *Code* Chapter 2.1.1., Articles 2.1.1.8. and 2.1.1.28., such as sausage casings and other offal.
4. Member Countries apply the standards of the *OIE Code*, unless there is scientific justification for more or less stringent restrictions. If such scientific evidence does exist, it should be brought promptly to the attention of the Director General of OIE, who will ask the specialist Commission to assess the information provided.

RECOMMENDATION NO. 4

Research needed to better prevent, control and eradicate foot and mouth disease

CONSIDERING THAT

Changes in farming and trading practices have exacerbated the distribution and severity of recent FMD outbreaks in previously FMD free countries

The role of subclinically infected animals and contaminated commodities is prominent in the dissemination of FMD

Molecular biology and immunological techniques have proved invaluable in the characterisation of FMD virus strains and the tracing of FMD infections

Current test systems for the surveillance and detection of FMD infection in individual animals and commodities pose some serious deficiencies

Currently available vaccines and vaccination systems have limitations

The slaughter of animals and disposal of carcasses pose logistical, welfare, environmental and social problems

There is little specific data on the certain risks of transmission of FMD infection by animal and animal products; particularly those derived from vaccinated animals

THIS CONFERENCE RECOMMENDS THAT

Research should be encouraged in the following domains:

1. **Early detection systems** including robust, pen-side diagnostic tests for use on live animals, and commodities, such as IgA, IgM detection, preclinical and subclinical diagnosis based on antigen/viral relevant genomic or immunological methods.
2. **Surveillance systems**
 - Development of practical and statistically based sampling programmes.
 - Development and validation of serological tests that are applicable to a wide variety of livestock and wildlife susceptible to FMD virus. Of particular and immediate need are the serological tests to differentiate infection from vaccinal immunity, to establish that herds are free of FMD infection, and to develop assay systems that can be reliable for individual animal certification. Critical to accomplishing this task is the acquisition of standard reference sera.
 - Establishment of antigen profiles against well described polyclonal and monoclonal antibodies to better appreciate and anticipate vaccine protection and relevant viruses around the world. (To achieve the creation of antigen banks, Member Countries are urged to submit virus samples to a reference laboratory on a regular basis.)
3. **Vaccines** that, ideally, encompass some or all of the following improved characteristics over currently available vaccines:
 - Readily affordable; easily applied; induce a broad spectrum of antigenic coverage (cross serotype and strain), engender rapid onset and long duration of immunity; engender protection of the oropharynx against the acquisition of persistent infection.
 - Induce vaccinal antibody response(s) that can readily be distinguished from that (those) due to infection.

- Avoid requirements for refrigerated conservation.
- Can be combined with a proven antiviral drug, without modifying efficacy, and protect against viral infection.

In addition the following activities are encouraged

- Marker-type vaccine development and companion diagnostic tests.
- Development of vaccines that do not engender antibodies to the non-structural proteins of FMD virus in vaccinated animals.
- Development of vaccine efficacy studies in species other than cattle.

4. Epidemiology with special emphasis on:

- Risk analysis, impact and cost–benefit analysis.
- The role of subclinically infected animals (including wildlife, small ruminants, and camellidae), The role of Equidae in transmission of FMD infection to susceptible hosts.
- Infection tracking and predictive modelling.
- Re-evaluation of wind-borne spread of FMD virus.
- Development of *performance indicators* to assist countries with a particular epidemiological status of FMD to advance to a more favourable status.

5. Risk analysis on animal products and products from convalescent/vaccinated animals using epidemiological and experimental data, including predictive modelling studies.

6. Economic research and surveys on trends and market forces for animals and animal products as well as on the financial and other resource needs for the effective functioning of national Veterinary Services in dealing with disease emergencies and the management of national programmes for the control of major epizootics.

7. Other methods to improve control

- Disinfectants that are effective in the presence of organic matter, are noncorrosive, and do not harm the environment.
- Investigation of the survival of FMD virus in smoke plumes, when infected carcasses are burned.
- Methods of carcass disposal.

RECOMMENDATION NO. 5

International action to safeguard animal health, trade and food security

CONSIDERING THAT

The World Food Summit (November 1996), in recognising the importance of epidemic diseases of livestock (including foot and mouth disease) to both international trade and world food security, committed the governments of countries and the civil society to seek to ensure effective prevention and progressive control of such diseases

Infectious diseases, especially those of an epidemic nature or of public health concern, are assuming increasing economic importance in the changing farming and trading systems of both industrialised and developing countries

Emerging or evolving infectious diseases have the potential to quickly move from local to international significance

In recent years epidemic diseases have caused heavy losses both in industrialised and developing countries and that there have been dramatic incidents of transboundary and international spread of disease

The events involving the spread of the type O Pan-Asian strain of FMD virus to many countries and most recently to South Africa, the United Kingdom, Ireland, France and the Netherlands, and of type A virus in South America, have shown just how vulnerable countries are to epidemic livestock diseases, even countries with sophisticated quarantine controls

Effective disease control requires efficient disease detection systems, competent diagnostic laboratories and close co-operation and joint management of official Veterinary Services with private veterinarians, farmers, industry, consumers and other organisations, especially medical authorities and national emergency services, as well as regional and international co-operation

When national programmes are jointly developed, managed and financed between the public and the private sectors, notable successes have been achieved, for example in the Global Rinderpest Eradication Programme and the Hemispheric Plan for the Eradication of FMD in the Americas

THIS CONFERENCE RECOMMENDS THAT

1. The control of FMD and other animal diseases of significance to international trade, food security, food safety and public health be considered as a service for the good of the international public.
2. National Veterinary Services undertake to increase the awareness and the involvement and education of political authorities, veterinarians, farmers, other involved organisations, industry and consumers in the early detection, reporting and control of infectious diseases, as well as in the joint management and financing of national eradication programmes.
3. The provision of financial support, technical assistance and other support by countries with highly developed livestock industries to less developed countries to improve emphasis on their national Veterinary Services and to better control and eradicate their important animal diseases will provide very substantial mutual benefits to both parties.
4. Special attention should be given to international co-ordinated programmes for rinderpest, foot and mouth disease and classical and African swine fever. This initiative would also provide templates for the surveillance and tactical control of other important diseases.

5. As a first step, the OIE and FAO should convene a high level international meeting to improve awareness and establish agreement that there international concerted actions are needed against foot and mouth disease and other animal diseases that are of significance for trade, food security, food safety and public health.
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.../Appendices

18 April: 9:00-10:00

- c) Criteria for the use of vaccination in special cases i.e. zoos, wildlife parks, rare breeds and special research programs,

- Dr S.K. Hargreaves Dr R.A. Bell

10:00-11:00

4. Risk of foot and mouth disease transmission due to trade of products

- Dr E. Correa Melo Dr A.N. Panin

11:00-11:30 Break

11:30-12:30

5. Research needed to better control and eradicate foot and mouth

- Dr K. De Clercq Dr J. Lubroth and other research workers

12:30-13:00 Lunch

14:00-15:00

6. Development of programmes to control and eradicate foot and mouth disease and other epizootics from endemic countries; consider initiating this process by convening an FAO/OIE conference of high level officials and specialised financial institutions to discuss methods to develop and implement these programmes

- Dr Y. Ozawa Dr M.M. Rweyemamu

15:00-15:30 Break

15:30-16:30

7. Consideration of proposed resolutions to be presented to the OIE International Committee

- Dr G.A. Thomson Dr W.-A. Valder

8. Closing remarks

- Dr B. Vallat, Director General, OIE
- Dr Y. Cheneau, Chief Animal Health Service, FAO

Rapporteur: Dr A.J.M. Garland

**OIE/FAO INTERNATIONAL SCIENTIFIC CONFERENCE
ON FOOT AND MOUTH DISEASE
Paris, 17-18 April 2001**

List of Participants

Office International des Epizooties

FMD COMMISSION MEMBERS

Dr G.R. Thomson (*President*)
OUA-BIRA/OAU-IBAR
Organisation for African Unity
Interafrican Bureau for Animal Resources
P.O. Box 30786
Nairobi
KENYA
Tel: (254-2) 334 550/251 517
Fax: (254-2) 226 565
E-mail: thomson.pace@oau-ibar.org

Prof. V. Caporale (*Vice-President*)
Director
Istituto Zooprofilattico Sperimentale
dell'Abruzzo e del Molise 'G. Caporale'
Via Campo Boario
64100 Teramo
ITALY
Tel: (39.0861) 33 22 33
Fax: (39.0861) 33 22 51
E-mail: caporale@izs.it

Dr E. Correa Melo (*Secretary General*)
Director
Foot and Mouth Disease Coordinator
Centro Panamericano de Fiebre Aftosa
Caixa Postal 589
20001-970 Rio de Janeiro
BRAZIL
Tel: (55-21) 671 3128
Fax: (55-21) 671 2387
E-mail: ecorrea@panaftosa.ops-oms.org

CODE COMMISSION MEMBERS

Dr Wolf-Arno Valder (*Vice-President*)
Ministerialrat, Leiter des Referates
Tierseuchenangelegenheiten beim Handel
Bundesministerium für Ernährung,
Landwirtschaft und Forsten
Rochusstr. 1
D-53123 Bonn
GERMANY
Tel: (49-228) 529 3618
Fax: (49-228) 529 4401
E-mail: wolf-arno.valder@bml.bund.de

Dr Alexander N. Panin
Director of the All-Russia State Research
Institute for Control, Standardisation and
Certification of Veterinary Preparations
Ministry of Agriculture and Food
5, Zvenigorodskoye shosse
123022 Moskva
RUSSIA
Tel: (7-095) 253.14.91
Fax: (7-095) 253.14.91
E-mail: vgnki_vet@mtu-net.ru

Dr Stuart K. Hargreaves
Director of Veterinary Services
Department of Veterinary Services
Ministry of Agriculture
18 Borrowdale Road
P.O. Box CY66
Causeway Harare
ZIMBABWE
Tel: (263-4) 791355/722358
Fax: (263-4) 72 08 79
E-mail: veeu@africaonline.co.zw

REGIONAL COMMISSIONS

Dr Rachid Bouguedour
President of the Regional Commission for Africa
Directeur des services vétérinaires
Ministère de l'Agriculture
12, bd Colonel Amirouche
16000 Alger
ALGERIA
Tel: (213-21) 71 17 12 poste 2771/2772
Fax: (213-21) 74 34 34 / 74 63 33
E-mail: dsval@wissal.dz

Dr J. Gardner Murray
*President of the Regional Commission for Asia,
the Far East and Oceania*
Chief Veterinary Officer/Managing Director
National Offices of Animal, Plant,
Fish Health and Food Safety
Commonwealth Department of Agriculture
Fisheries and Forestry (DAFF)
GPO BOX 858
Canberra ACT 2601
AUSTRALIA
Tel: (61-26) 272 5848
Fax: (61-26) 272 5697
E-mail: gardner.murray@affa.gov.au

Dr Nikola T. Belev

President of the Regional Commission for Europe
Bld Wasil Lewski 110
1527 Sofia
BULGARIA
Tel: (359-2) 944 1514
Fax: (359-2) 462 910
E-mail: pam2kom@cit.bg

Dr Sultan A. Sultan Al Khalaf

President of the Regional Commission for the Middle East
Deputy Director General
Office of the Chairman & Director General
The Public Authority for Agriculture,
Affairs and Fish Resources
P.O. Box 21422
13075 Safat
KUWAIT
Tel: (965) 476 5026-38 / 472 8503
Fax: (965) 472 3896 / 476 5026-38
E-mail: sulahmed@hotmail.com

FMD REFERENCE LABORATORIES/EXPERTS

Dr V. Saraiva

Centro Panamericano de Fiebre Aftosa/OPS-OMS
Foot and Mouth Disease Center/PAHO-WHO
Av. Presidente Kennedy
7778 Sao Bento
Duque de Caxias
25040-000 Rio de Janeiro
BRAZIL
Tel: (55-21) 671 3128
Fax: (55-21) 671 2387
E-mail: vsaraiva@panaftosa.ops-oms.org

Dr Kenichi Sakamoto

Chief, Diagnostic Laboratory
Department of Exotic Diseases
National Institute of Animal Health
6-20-1, Josui-Honcho
Kodaira-shi, Tokyo 187-0022
JAPAN
Tel: (81) 423-21-1441
Fax: (81) 423-25-5122
E-mail: skenichi@ed.affrc.go.jp

Prof. Anatoly A. Gusev

Director
All-Russian Research Institute for Animal Health
(ARRIAH)
Ministry of Agriculture of the Russian Federation
600900 Jur'Evets
Vladimir
RUSSIA
Tel: (7.0922) 26.06.14
Fax: (7.0922) 24.36.75/26.07.53
E-mail: sinko@arriah.elcom.ru

Dr V.M. Zakharov

Deputy Director
All-Russian Research Institute for Animal Health
600900 Yur'evets, Vladimir
RUSSIA
Tel: (7.0922) 26.06.14/26.19.14
Fax: (7.0922) 24.36.75/23.72.61
E-mail: sinko@arriah.elcom.ru

Dr Robin A. Bell

Veterinary International Trade Team
Ministry of Agriculture Fisheries and Food
State Veterinary Service
Room 403c, 1A Page Street
London SW1P 4PQ
UNITED KINGDOM
Tel: (44) 207904 6169
Fax: (44) 207904 6364
E-mail: r.a.bell@ahit.maff.gsi.gov.uk

Dr Juan Lubroth

Foreign Animal Disease Diagnostic Laboratory
NVSL/APHIS/USDA
P.O. Box 848
Greenport, NY 11944-0848
UNITED STATES OF AMERICA
Tel: (1.631) 323.2500
Fax: (1.631) 323.3366
E-mail: Juan.Lubroth@aphis.usda.gov

REGIONAL REPRESENTATIONS

Africa

Dr Amadou Samba Sidibe

Coordinator
B.P. 2954
Bamako
MALI
Tel: (223) 24 60 53 / 22 07 24
Fax: (223) 24 15 83 / 23 94 47
E-mail: pacereg@malinet.ml

Americas

Prof. Emilio J. Gimeno

Coordinator
Cerviño 3101 2º
1425 Buenos Aires
ARGENTINA
Tel: (54-11) 4803 4877
Fax: (54-11) 4803 3688
E-mail: oieamericas@ciudad.com.ar

Asia

Dr Y. Ozawa

Special Advisor
East 311, Shin Aoyama Bldg
1-1-1 Minami Aoyama
Minato-Ku, Tokyo 107-0062
JAPAN
Tel: (81.3) 54 11 05 20
Fax: (81.3) 54 11 05 26
E-mail: oietokyo@tky.3web.ne.jp

Middle East

Dr Ghazi Yehya

Coordinator
Kfarchima
Office de la soie
B.P. 268 Hazmieh
LEBANON
Tel: (961-5) 430 741
Fax: (961-5) 430 742
E-mail: rrmeaoie@intracom.net.lb

REGIONAL COORDINATION UNIT

Dr L.J. Gleeson

SEAFMD PROJECT
c/o Faculty of Veterinary Medicine
Kasetsart University
Bangkok 10 900
THAILAND
Tel: (66-2) 9407491
Fax: (66-2) 940 6570
E-mail: rcu.seafmd@oie.int
oiercu@lox1.loxinfo.co.th

CENTRAL BUREAU

Dr Romano Marabelli

President of the OIE International Committee
Direttore Generale
Dipartimento degli Alimenti,
Nutrizione e Sanità pubblica veterinaria
Ministero della Sanità
Piazza Marconi, 20
00144 Roma - EUR
ITALY
Tel: (39-06) 5994 3945 / 3946 / 3862
Fax: (39-06) 5994 3217/3676
E-mail: danspv@izs.it

Dr B. Vallat

Director General
12 rue de Prony
75017 Paris
FRANCE
Tel: 33-(0)1 44.15.18.88
Fax: 33-(0)1 42.67.09.87
E-mail: b.vallat@oie.int or oie@oie.int

Dr J. Pearson

Head, Scientific and Technical Department
E-mail: je.pearson@oie.int

Dr T. Chillaud

Head, Information and International Trade Department
E-mail: t.chillaud@oie.int

Dr Fernando Crespo León

Chargé de mission
Scientific and Technical Dept
E-mail: f.crespoleon@oie.int

Dr Yoshiyuki Oketani

Chargé de mission
Information and International Trade Department
E-mail: y.oketani@oie.int

Ms Maria Zampaglione

Press
E-mail: m.zampaglione@oie.int

Dr G. Zanella

Deputy Head, Information and International Trade Dept
E-mail: g.zanella@oie.int

European Commission for the Control of Foot and Mouth Disease (EUFMD)

Dr K. De Clercq

CODA-CERVA-VAR
Groeselenberg 99
1180 Ukkel
BELGIUM
Tel/Fax: (32 2) 379 04 00/379 04 01
E-mail: kris.de.clercq@var.fgov.be

Dr D.E. Panagiotatos

Head, Section of Infectious Diseases
Ministry of Agriculture
2 Acharnon Street
10176 Athens
GREECE
Tel: (30-1) 212 57 19
Fax: (30-1) 825 26 14
E-mail: vetserv@ath.forthnet.gr

Dr Y. Leforban

Secretary of the European Commission
for the Control of Foot and Mouth Disease
FAO
Via delle Terme di Caracalla
00100 Rome
ITALY
Tel: (39) 06 570 55528
Fax: (39) 06 570 55749
E-mail: yves.leforban@fao.org

Dr T. Soós

Director, State Institute for the Control of
Veterinary Biologicals, Drugs and Feeds
X. Szállás u.8., P.O. Box 318
1475 Budapest 10
HUNGARY
Tel: (36-1) 262 95 79
Fax: (36.1) 262 28 39
E-mail: soost@oai.hu

Dr Ignacio Sanchez Esteban

Subdirector General de Sanidad Veterinaria
C/ Corazón de María N° 8
28002 Madrid
SPAIN
Tel: (34-91) 347 8295
Fax: (34-91) 347 8299
E-mail: isanchez@mapya.es

Dr Leos Celeda

State Veterinary Administration
Tesnov 17
117 05 Praha 1
Prague
CZECH REPUBLIC
Tel: (420 2) 231 9554
Fax: (420-2) 2181 2971
E-mail: l.celeda@svs.aquasoft.cz

Food and Agriculture Organization of the United Nations (FAO)

Dr Yves Cheneau

Chief, Animal Health Service
Animal Production and Health Division
FAO
Via delle Terme di Caracalla
00100 Roma
ITALY
Tel: (39-06) 570 53531
Fax: (39-06) 570 55749
E-mail: yves.cheneau@fao.org

FAO EMPRES

Dr A.J.M. Garland

Collingwood, Dawney Hill
Pirbright, Woking
Surrey GU24 0NF
UNITED KINGDOM
Tel: (44-1.483) 47 34 76
Fax: (44-1.483) 48 00 23
E-mail: tony.garland@btinternet.com

Dr M.M. Rweyemamu

Head, Infectious Diseases Group
Animal Production & Health Division
FAO
Via delle Terme di Caracalla
00100 Rome
ITALY
Tel: (39) 06 570 56772
Fax: (39) 06 570 53023
E-mail: mark.rweyemamu@fao.org

International Atomic Energy Agency (IAEA)

Dr J.R. Crowther

FAO/IAEA
Wagramerstrasse 5
P.O. Box 100
A-1400 VIENNA
AUTRICHE
Tel: (43.1) 2600 26054
Fax: (43.1) 26007
E-mail: J.Crowther@iaea.org

Organization for African Unity/Inter-African Bureau for Animal Resources (OAU-IBAR)

Dr René Bessin

Coordinator of the Pan African Programme
for the Control of Epizootics (PACE)
OAU/IBAR
P.O. Box 30786
Nairobi
KENYA
Tel: (254-2) 338 570
Fax: (254-2) 220 546/226 565
E-mail: rene.bessin@oau-ibar.org

European Union (EU)

Dr J. Février

Administrateur principal
Commission européenne
Direction générale VI - Agriculture B II 2
86 Rue de la Loi
1049 Bruxelles
BELGIQUE
Tel: (32 2) 296 58 72
Fax: (32 2) 295 31 44
E-mail: jacques.fevrier@cec.eu.int

Observers

Mr Pierre Choraine

Federation of Veterinarians of Europe (FVE)
1, rue Defacqz
1000 Brussels
BELGIUM
Tel: (32.2) 538.29.63
Fax: (32.2) 537.28.28
E-mail: p.choraine@fve.org

Dr Caryll Shailer

Counsellor (Veterinary Services)
New Zealand Mission to the European Communities
Square de Meeûs 1
1000 Brussels
BELGIUM
Tel: (32.2) 550.12.19
Fax: (32.2) 513.48.56
E-mail: caryllshailer@compuserve.com

Dr Preben Willeberg

Chief Veterinary Officer
Danish Veterinary and Food Administration
Ministry of Agriculture and Fisheries, Morkhoj Bygade 19
DK-2860 Soborg
DENMARK
Tel: (45) 33 95 61 15
Fax: (45) 39 67 52 48
E-mail: pw@fdir.dk

Dr Isabelle Chmitelin

Chef des Services Vétérinaires
Directrice générale adjointe
Direction générale de l'alimentation
Ministère de l'agriculture et de la pêche
251, rue de Vaugirard
75732 Paris Cedex 15
FRANCE
Tel: 33-(0)1 49 55 81 77
Fax: 33-(0)1 49 55 55 91
E-mail: isabelle.chmitelin@agriculture.gouv.fr

Dr Monique Eloit

Directrice adjointe
AFSSA
23, avenue du Général-de-Gaulle, BP 19
94701 Maisons-Alfort Cedex
FRANCE
Tel: 33-(0)1 49 77 13 50
Fax: 33-(0)1 49 77 90 05
E-mail: m.eloit@afssa.fr

Dr Véronique Bellemain

Vétérinaire Inspecteur en chef
Adjointe au sous-directeur de la santé et de la protection animales
Direction générale de l'alimentation
Ministère de l'agriculture et de la pêche
251, rue de Vaugirard
75732 Paris Cedex 15
FRANCE
Tel: 33-(0)1 49 55 84 80
Fax: 33-(0)1 49 55 43 98
E-mail: veronique.bellemain@agriculture.gouv.fr

Dr Albert Costelloe

Deputy Chief Veterinary Officer
Department of Agriculture, Food
and Rural Development
Kildare Street
Dublin 2
IRELAND
Tel: (353-1) 607 2484 / 607 2000
Fax: (353-1) 676 2989/ 661 6263 /6620198
E-mail: albert.costelloe@daff.irlgov.ie

Dr Antra Brinke

Deputy Director
State Veterinary Service
Ministry of Agriculture
Republikas laukums 2
Riga LV-1981
LATVIA
Tel: (371-7) 095 247
Fax: (371-7) 322 727
E-mail: antra@vvd.vita.gov.lv

Dr Aurelia Ionescu

Head of the Department for Diagnostic Coordination
of Ruminants and Equides Diseases
National Sanitary Veterinary Agency,
Institute for Diagnosis and Animal Health
Ministry of Agriculture and Food Industry
Bd. Carol I n° 24 - Sectorul 3
Bucuresti cod 70033
ROMANIA
Tel: (40-1) 410 1299/410 9960
Fax: (40-1) 411 3394
E-mail: aureliaionescu@yahoo.com

Mr J. Mulder

Expert Agriculture Product
Brussels
BELGIUM
E-mail: j.mulder@europarl.eu.int

Dr Anders Engvall

State Epizootiologist
Department of Disease Control and Biosecurity
National Veterinary Institute
SVA, P.O. Box 7073
S-750 07 UPPSALA
SWEDEN
Tel: (46.18) 67 40 00
Fax: (46.18) 30 91 62
E-mail: anders.engvall@sva.se

Dr Bengt Nordblom

Chief Veterinary Officer
National Swedish Veterinary Services
Head of Department for Animal Production
and Health - Swedish Board of Agriculture
and Health - Swedish Board of Agriculture
S-551 82 Jönköping
SWEDEN
Tel: (46-36) 155 230 / 155 000
Fax: (46-36) 308 182
E-mail: bengt.nordblom@sjv.se

**OIE/FAO INTERNATIONAL SCIENTIFIC CONFERENCE
ON FOOT AND MOUTH DISEASE
Paris, 17-18 April 2001**

Opening Speech

Dr M. Marabelli
President of the OIE International Committee

Ladies and Gentlemen, welcome.

I would like to thank Dr Vallat, Director General of the OIE, and Dr Cheneau, FAO, for organising this Conference.

This international conference on foot and mouth disease (FMD), aimed at examining closely and considering the scientific aspects of a disease that is currently topical, is very opportune.

Unfortunately the disease continues to be present in most regions of the world in epidemic form and, at the same time, continents that seemed to have completely eradicated the disease (such as Europe) or that were on the point of completing their eradication programmes (such as South America) have had to confront once more this ravaging epizootic.

I believe that it is very important that the OIE and the FAO confirm their central role in defining control and eradication strategies.

At the same time it is essential to examine certain subjects that have a determining influence on animal health world-wide and direct consequences on the free movement of animals and food.

Achieving these aims is an important way to promote the development of those countries that are excluded from international trade. For this purpose, three elements are of great importance:

- The organisation and capabilities of Veterinary Services – this is a critical element in animal production security;
- The permanent control of conditions that allow the spread of FMD and the availability of means for continuous monitoring;
- The examination of defined standards for the eradication and control of FMD, either by rationalising stamping-out programmes, which are very difficult to carry out in crowded regions and not easily understood for animal welfare reasons, or by an accurate study of new tools to easily distinguish vaccinated from the infected animals.

I hope that during this Conference a balanced and realistic evaluation of FMD will be achieved that will prove to be a landmark for countries and international organisations.

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Opening Speech

Dr B. Vallat
Director General of the OIE

Mr President of the OIE,
Ladies, Gentlemen,
Delegates of Member Countries,
Scientific Experts of Specialist Commissions, Reference Laboratories
and Co-ordinators of Regional Representations of the OIE,
Observers and Honoured Guests

The end of the last millenium offered immense hope in regard to the possibility of eradicating foot and mouth disease from several regions of the world and high expectations to control the disease in other regions.

This world trend enabled the Committee of the OIE to adopt the procedure governing the recognition of the health status of Member Countries seeking classification.

About a third of the OIE Member Countries have succeeded in eradicating foot and mouth disease and have abandoned vaccination. Given the effective protection offered by the very strict application of recommendations of the *International Animal Health Code* in regard to the introduction of the virus, it was hoped that this measure would be definitive.

This very favourable situation was turned around recently and several disease-free countries which did not vaccinate have had to face active outbreaks of foot and mouth disease.

Large-scale measures in these countries, together with a new phenomenon, the very strong implication of the media, followed by the varying positions adopted by political decision-makers, encouraged the OIE to organise this emergency scientific conference, together with the FAO. The aim of the meeting is to summarise the latest knowledge on the disease.

Thus, if necessary, the Conference will be able to propose to the OIE International Committee, which will meet in just over a month, draft resolutions with the aim of defining the work to be conducted by our Organisation in this field.

The Committee could therefore set up new projects in which involvement could be sought from the Specialist Commissions (FMD and other Epizootics Commission, Code Commission and Standards Commission) and from Regional Commissions, Regional Co-ordinators and Reference Laboratories throughout the world.

Your recommendations will also be most useful to other organisations, such as the FAO and donor agencies, which wish to reinforce their activities by assisting developing countries.

It is obvious that the eradication of animal diseases which are endemic in certain regions is of interest not only to those who benefit directly from aid, but also to the entire international community.

The discussions which will take place during this Conference have solid foundations. The OIE has always given priority to foot and mouth disease and has invested heavily to offer countries quality scientific and epidemiological information, in addition to appropriate recommendations. These are relayed by specialised regional organisations, whose efficient and devoted work should be acknowledged.

The foundations of OIE involvement in this area include the creation by the OIE of a Commission of specialists on foot and mouth disease just after the Second World War. Since that time, seventeen world conferences have been held on the disease, the last of which was held in Paris in 1986. Most of the conferences led to the formulation of Resolutions by the International Committee. These Resolutions have been included in your Conference documents.

The discussions which will take place today and tomorrow should take into account new elements, some of which I would like to highlight, as follows:

- The regular increase in the volume of trade in animals and animal products which could alter risk analyses conducted previously. In particular, this new state of affairs could lead us to re-evaluate whether the financial and human resources available to official Veterinary Services are adequate when faced with the risks involved
- New vaccines and tests enabling the characterisation of antibodies have been announced; these need to be evaluated and validated as soon as possible. In addition, the possible repercussions of these new tools on the *Code* should be considered
- Experience gained in the trade of animal products, particularly from countries which are free from disease but which practise vaccination, including the possible consequences for animal health of such trade
- International awareness of the critical need to avoid stamping-out for foot and mouth disease in the case of rare or endangered species and, in this light, the obligation for the OIE to respond to this need by amending the *Code*, after conducting the appropriate risk analysis
- The need to clearly state the procedures for implementing stamping-out when necessary
- The increasing awareness of the general public throughout the world on the need for global eradication of the major animal diseases and the necessity to make proposals which are validated by all Member States of the OIE, FAO and international donor agencies.

I would like to conclude, Ladies and Gentlemen, by wishing you a most successful conference. The conclusions of this Conference are awaited with much interest, not only by the OIE, the FAO and the Governments of Member Countries, but also by the general public who will be informed of the results of this Conference via a Press Conference to be held at the close of this meeting.

Ladies and Gentlemen, thank you very much indeed for so generously offering your time and expertise to this very important debate.

**OIE/FAO INTERNATIONAL SCIENTIFIC CONFERENCE
ON FOOT AND MOUTH DISEASE
Paris, 17-18 April 2001**

Opening Speech

Dr Yves Cheneau
Chief, Animal Health Service, FAO

Ladies and Gentlemen
Dear Colleagues

It is always difficult to speak after eminent colleagues during an opening session, because of the risk of repeating what has already been said! I will try to avoid any repetition.

Two months ago, the international veterinary community entered into a dramatic crisis following the reintroduction of FMD virus into European territories. With the confirmation of the presence of FMD type O in the UK on 20 February 2001 a race began between the virus - which had spread in the sheep population in the country - and the Veterinary Services.

I wish to give my encouragements to our colleagues in the UK, France, Ireland and the Netherlands, who are actively trying to resolve this crisis situation.

No doubt that the crisis will oblige us to re-appraise our certitudes on FMD matters. That is why we are here today. We need to re-discuss our strategies [Should we continue to use stamping-out and restriction policies? Should we consider the use of vaccination? Under which conditions?]. We need to look at the role/structure/funding of the Veterinary Services themselves. But we must also be coherent, and adopt a global vision.

The 33 Member Countries of the FAO European Commission for the control of FMD met from 21 to 23 March in Rome. It became apparent that even if the present crisis concerns mainly Europe, it should not be forgotten that the disease is endemic in many regions of the world. Action should take place there too, and a global plan should be envisaged, reducing the importance of the risk emanating from these regions.

There are some low-cost measures that could be taken immediately, for example concerning the use of swill from airports and ports.

Concluding, I wish to highlight three words:

- surveillance, which remains the most efficient tool at hand,
- science, because our advice to politicians and decisions makers cannot be seriously considered if not 'science-based', and
- solidarity, because we all share the one globe, sharing the same problems: diseases such as FMD should be of concern to all of us, FAO and OIE Member Countries as well as the international community.

Thank you
