

Kick-off of the training programme for professionals of the national veterinary services on the prevention, control and eradication of Foot-and-Mouth Disease.

First international course on FMD diagnosis and prevention programmes. Opening of the Virus Diagnosis Unit.

Development and standardization of diagnostic tests, definition of standard laboratory procedures, and launching of a continuous capacity-building programme by organizing and implementing a network of diagnostic and serological laboratories for FMD virus and other vesicular diseases in South American countries.



Establishment of the FMD Vaccine roduction Plant.

Start of research with the Virus Diagnosis Unit on the antigenicity and immunogenicity of the circulating field virus strains for selecting strains for vaccines production.

Start of the research, with the Virus Diagnosis Unit, on the direct and indirect methods for controlling the efficacy of FMD vaccines.

PANAFTOSA organizes two international conferences in Venezuela (1958) and Colombia (1959), with the participation of Colombia, Ecuador, Panama and Venezuela, where it recommends establishing a programme for preventing the transmission of FMD on the Colombia and Panama border.



During the 2nd Inter-American Ministerial Meeting on Control of Foot-and-Mouth Disease and Other Zoonoses (RICAZ II), the Member Countries recognize PANAFTOSA as a reference laboratory on vesicular diseases for the Americas, which was later recognized by the Food and Agriculture Organization of the United Nations (FAO) and OIE.

An unprecedented achievement.

The Inter-American Development Bank (IADB) provides loans for the development of national plans to control the disease in South American countries.

PANAFTOSA produces guidelines for developing FMD national control programmes, which are rapidly established by South American countries.

The South American Conference to Fight FMD is held in Brazil, with the technical and ministerial participation of all countries of the region, a landmark in the establishment of national FMD control programmes.



PANAFTOSA organizes the 1st Technical meeting to fight FMD, with the participation of Argentina, Brazil, Chile, Paraguay and Uruguay, to address key methodological issues on controlling the disease.

An inter-countries commission makes recommendations on the international transit of animals and defines the standards of disease control in border areas

These actions pave the way to the continental planning in the fight against FMD.

PAHO defines PANAFTOSA as a regular programme and authorizes its Director to annually convene the Inter-American Ministerial Meeting on Control of Foot-and-Mouth Disease and Other Zoonoses (RICAZ), with the participation of the Ministers of Agriculture of all countries of the Americas. The objective was to promote regional integration and bilateral agreements among FMD-affected

PANAFTOSA urges countries to establish national plans for the control and prevention of FMD.

and disease-free areas.

The 1970s are characterized by concerns over the quality of the FMD vaccines used for the control of the disease in the infected areas.

First edition of the PANAFTOSA Bulletin.

The New Epidemiological Ecosystem Model.

This model – which takes into consideration the characteristics of livestock production and the socioeconomic, political and cultural aspects that influence the production processes – becomes the basis for the FMD eradication strategy. It makes it possible to evaluate the degree of vulnerability in areas of livestock production in their FMD prevention stage.

Establishment of the COSALFA - The South American Commission for the Fight Against Foot-and-Mouth Disease composed of the executive heads of the animal health services and the representatives of the livestock production sector of the countries of South America.

The First Ordinar

Launching of the Continental Epidemiologica Surveillance System

PANAFTOSA develops and standardizes the methodology for the industrial production of a FMD vaccine with an oil-based adjuvant and conducts field studies on this new product.

This decade is characterized by a reduction in the number of outbreaks due to the efforts of the national programmes that apply a model for FMD risk characterization at the regional level, based on the definition of FMD epidemiological ecosystems guiding the control strategies.

Chile becomes the first South lmerican country recognized as FMD-fr

PANAFTOSA develops the Epidemiological FMD Data Bank.



PANAFTOSA organizes the International Workshop on the Evaluation of the Oil-Adjuvant Vaccine Use in the FMD Control Programs in South America".

*PANAFTOSA* provides technical cooperation to the countries of South America in the process of certification for official status recognition of Foot-and-Mouth Disease by the World Organization for Animal Health (OIE).

COSALFA recommends Member Countries to use the diagnostic system I-FLISA 3ABC/ EITB, developed by PANAFTOSA, for serological diagnosis in support of FMD surveillance activities.

A PANAFTOSA reaches the milestone of

of the region and other continents

trained at its headquarters.

PANAFTOSA develops and provides Member

PANAFTOSA produces the oil-based FMD vacci-

systematic vaccination plans in Bolivia, Brazil,

States of Rio Grande do Sul and Santa

Catarina, which have most of the bovine

Ecuador, Paraguay and Peru.

ne to respond to emergencies and implements

Uruguay, Argentina, Paraguay and the Brazilian

population of South America, are

Subcommittees were established

for the Prevention of FMD in North

nternationally recognized as

FMD-free with vaccination.

and Central America, and

Program for the Eradication of Foot-

aribbean countries

PANAFTOSA develops the Hemisphe

and-Mouth Disease (PHEFA)."

At the 1st Meeting of COHEFA in Washington, D.C., USA,

the 1st PHEFA Plan of Action 1988-2009

The establishment of the Hemispheric Committee for

The River Plate Basin Agreement is signed with the aim

America and North America.

to control FMD at the sub-regional level.

the Eradication of the Foot-and-Mouth Disease

(COHEFA), composed of six sub-regions: the Amazon,

the Andean, the Caribbean, the Southern Cone, Central

South America

Countries with the Guidelines to Maintain,

Increase and Establish FMD-free Areas in

PANAFTOSA develops the enzyme-linked

activity in the field, supporting the PHEFA in the

6.180 professionals from the countries

immunoelectrotransfer blot (EITB) test to identify viral

identification and expansion of FMD virus-free zones.

Establishment of the Continental Epidemiological Surveillance System – Siv Cont.

During the COSALFA, countries requested PANAFTOSA to lead research for the development and adaption of serological and virological tests to meet the new requirements for FMD-free areas.

The Houston Conference and the establishment of GIEFA.



PANAFTOSA acts as the technical secretariat of the Hemispheric radication of

Foot-and-Mouth Disease. held in Houston, Texas, USA, which established the Inter-American Group for the Eradication of Foot-and-Mouth Disease (GIEFA) with the mission of mobilizing financial resources for PHEFA.

First international training course on the use of SivCont.

IADB and PAHO/ PANAFTOSA start the Technical Cooperation Project "Regional Program for FMD Control for the expanded Mercosur Countries".

Implementation of the Technical Cooperation Agreement between the Ministry of Agriculture, Livestock and Food Supply of Brazil (MAPA) and PAHO/PANAFTOSA. with the aim of strengthening animal health programmes in Brazil.

OIE recognizes PANAFTOSA as a Collaborating Center in Veterinary

Beginning of the agreement between Agrocalidad, Ecuador, and PAHO/ PANAFTOSA to finance technical cooperation programmes for Animal Health and Foot-and-Mouth Disease eradication

program for the prevention and eradication of FMD in Suriname.

PANAFTOSA's OIE/FAO Reference Laboratory for Vesicular Diseases begins its activities in the facilities of the National Agriculture Laboratory of Pedro Leopoldo, Minas Gerais State, Brazil (LANAGRO – MG), that fulfills the biosecurity BSI 4-OIF standards

The Technical Cooperation Agreement between the National Service of Quality and Animal Health (SENACSA), Paraguay and PAHO/PANAFTOSA

OIE certifies Ecuador as FMD-free with vaccination, with the Galapagos Islands as FMD-free without vaccination.



During the 5th COSALFA Extraordinary Meeting,

The COHEFA Meeting held in Paraguay recommends that PAHO/PANAFTOSA manages and administers the BANVACO.

South America reaches the landmark of 95.5% of the bovine and buffalo population FMD-free.

> Brazil approves its new National FMD Prevention and Eradication Program aiming at becoming a FMD-free without vaccination country by 2023.

PANAFTOSA submits to the countries the Agreementestablishing BANVACO and establishes the Regional Committee for Biological Risk Management and Biosafety.

PANAFTOSA recommends countries to suspend the administration of the FMD vaccine type-C virus in the region.

OIE certifies the entire Brazilian territory as FMD-free – with 26 states as FMD-free with vaccination and one state as FMD-free without vaccination.

*Peru* attains the FMD-free without vaccination status During the 2nd Extraordinary COHEFA meeting, and becomes the second South American country to the new Plan of Action 2011-2020 of achieve such a status as a result of a FMD control and the PHEFA is approved. eradication programme.



Through COSALFA, countries request PANAFTOSA

Regional Bank of Antigens/

of the Member Countries of the COSALFA.

The Republic of Panama becomes a full member

PANAFTOSA, by request of the Permanent

with the participation of 56 technical staff from Brazil,

Uruguay, Bolivia and Argentina, coordinates the field and

laboratory technical cooperation to support Paraguay in

demonstrating the lack of viral circulation for restoring

The Technical Cooperation Agreement between the

Development Bank of Latin America (CAF) and PAHO/

PANAFTOSA is signed to strengthen actions for FMD

prevention and control on the Peru and Ecuador border.

The Animal Health Coordinating Association (ACONASA)

of Paraguay signs a Memorandum of Understanding with

technical cooperation of PANAFTOSA in support of PHEFA.

PAHO to contribute to the Trust Fund for financing the

the FMD-free with vaccination status.

Plan of Action

2011-2020 begins

A new landmark for Latin America

The new PHEFA Plan of

The Trust Fund for

(PHEFA Trust Fund).

the proposal for creating a Trust Fund for

Strengthening PHEFA

At COSALFA the Member Countries endorse

strengthening PANAFTOSA's technical cooperation to

support the consolidation of PHEFA – the PHEFA Trust

Fund – and request the drafting of a new PHEFA Plan

(1) Action 2011-2020 is approved.

is set: 85% of the bovine

population attains the

FMD-free status.

of Action 2011-2020.

Veterinary Committee of the Southern Cone (CVP)

of COSALFA.

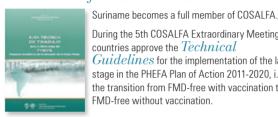
Vaccines (BANVACO) to meet the needs

to develop a project for the creation of a

Brazilian National Beef Cattle Council (CNPC) and PAHO/PANAFTOSA is signed to support actions for strengthening the PHEFA, in particular the FMD control programme in Ecuador.

PANAFTOSA initiates technical cooperation missions to evaluate the

is signed to support the animal health and FMD eradication programmes. Bolivia attains the status of FMD-free country.



countries approve the *Technical idelines* for the implementation of the last stage in the PHEFA Plan of Action 2011-2020, i.e. the transition from FMD-free with vaccination to FMD-free without vaccination.

*Ecuador* is the second country to sign its adhesion to the BANVACO.

Colombia obtains the certification from the WOAH

PANAFTOSA continues prioritizing *Venezuela*, aiming

In Venezuela, the public-private initiative INSAI-FUNVESSA

Action 2021-2025 begins

A new milestone for South America: cattle herds and 95.9% of its bovine

Colombia obtains OIE recognition for the

Suriname is recognized as FMD-free without

*Bolivia* obtains OIE recognition of Pando as an FMD-free zone without vaccination.

Every year, the region progresses towards the international recognition of FMD-free territories with or without vaccination, and countries such as Bolivia and Brazil review their plans for vaccine withdrawal

May OF South America attains WOAH recognition for 99% of the cattle herds as FMD-free 66% without vaccination and 34% with vaccination

WOAH certifies Bolivia and Brazil as foot-and-mouth disease free *without vaccination* throughout their national territories

Argentina removes the C3 Indaial strain from the foot-and-mouth disease vaccine formulation; thereby, this serotype is now completely excluded from the vaccination programs of the region.

All countries in South American, except for Venezuela, maintain the FMD-free status.

The American continent is closer to eradication. with over 80% of cattle FMD free without vaccination.

The 50th Ordinary Meeting of the COSALFA takes place as a historic milestone for this public-private Commission devoted to eradicating foot-andmouth disease in the region.



ilities of the new WOAH Reference oratory for Foot-and-Mouth sease, located at the PANAFTOSA campus. hich meets BSL-3 Plus biosecurity standards.

PANAFTOSA holds the Meeting of the Animal Health LaboratoryNetwork of the COSALFA.

Bolivia and Brazil submit to the WOAH the dossier for the recognition of their entire territories as FMD-free without vaccination.

(founded as OIE) for Norte de Santander, thereby enabling the restoration of the entire country's status as a free.

at reinforcing vaccination campaigns.

is consolidated to contribute to strengthening vaccination campaigns

over 95% of its territories, 98.8% of its population have achieved FMD-free status

protection zone along the border with Venezuela, comprising the municipalities of the departments of Arauca, Vichada and Boyacá. Paraguay is the first country to sign its adhesion to the Agreement

PANAFTOSA develops the *ELISA FMD gIII* (multispecies) which enables in vitro detection of antibodies against the

non-structural protein of the foot-and-mouth disease virus. The new PHEFA Plan of Action 2021-2025 is approved.

During the 3<sup>nd</sup> Extraordinary Meeting of the Hemispheric Committee for the Eradication of Foot and Mouth Disease (COHEFA), the new Plan of Action 2021-2025 of the PHEFA is approved.

Colombia regains its FMD-free status for the zone that had been suspended after the 2017-2018 outbreaks.