

A Project of the International Technical Cooperation between Brazil and Mozambique in Health

Initiative for Antiretrovirals and Additional Drugs Factory Plant Installation in Mozambique

**Consultative Workshop on “Development, transfer and
dissemination of clean environmentally sound Technologies”
United Nations Headquarters – New York City
30th April and 1st May 2013**

Brazilian References to Work in International Cooperation

Successful public policies

- Ministry of Agrarian Development - familial agriculture
- Ministry of Education - school feeding
- Ministry of Social Development - conditional cash transfer programs
- Ministry of Health - HIV/AIDS treatment, human milk banks, policies for the public production of generic drugs.



The Oswaldo Cruz

foundation in brazil

F i o c r u z

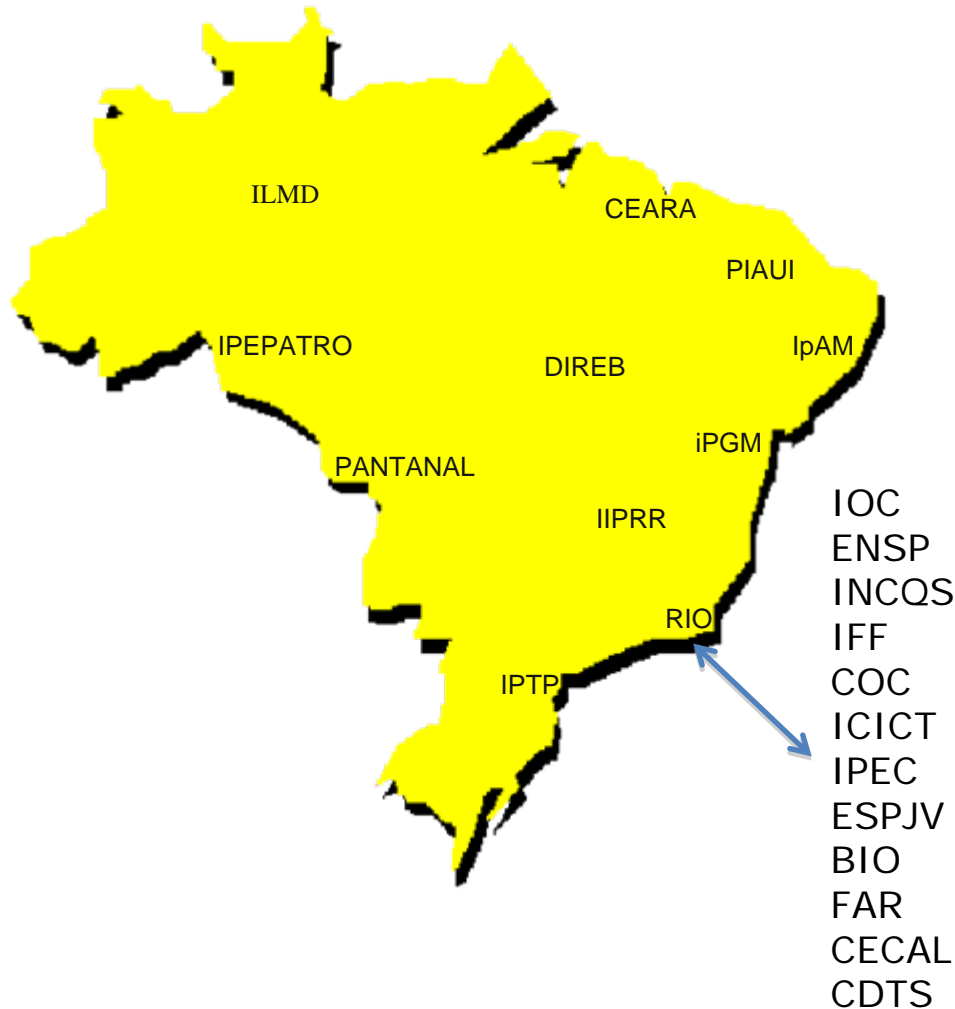
FIOCRUZ was created in 1900 and belongs to the Ministry of Health

It develops research, education and production of goods and services in the field of health

It includes 22 Scientific and Technological Institutes, located in its headquarters, in Rio de Janeiro, and in 10 other States in Brazil



FIOCRUZ in BRAZIL



- 10 Research Institutes
- 3 Health Schools
- 2 Hospitals
- 2 Production Plants
- 1 Technological Center
- 1 Health History Center
- 1 Information Center
- 1 Ct. Quality Control
- 1 Public Health Center

Some figures

Staff: > 12 thousand, including 900 PhD

Budget: > USD 1 billion

Research: 1,800 projects in process
and an average of 1,000 papers *per year*

Teaching: more than 10 thousand students

Production: over 110 million doses of
vaccines, about 4 billion pharmaceutical
units and 3 million diagnostic tests





TECHNOLOGICAL PRODUCTS

PHARMACEUTICAL PRODUCTION

Malaria, leishmania, leprosy, TB, Chagas, hepatitis

Anti-retrovirals

Phytotherapeutic drugs; Bioinsecticides

Allergy, hypertension, diabetes

VACCINE PRODUCTION

- Actual production 150M/year:
Yellow fever, measles, polio, meningitis A+C,
DPT + Hib, triple viral
- New developments
Double viral, tetra bacterial

Quick diagnostic test

HIV - Dengue

Leptospirosis - Leishmaniasis



Health & Medical Care Reference Centers

INFECTIOUS DISEASES

Leishmaniasis, mycoses, tuberculosis and other mycobacteria

Sexually transmitted diseases and HIV-AIDS

Dengue and other acute fevers

Focus on TB

MATERNAL & INFANT CARE

High risk pregnancy, neonatology, genetic counseling,

Pediatrics, lactation and human milk banks

Cervical and uterine cancers

HEALTH CENTER - PRIMARY CARE

Health promotion protocols (seniors , AIDS, drug addiction)

Prenatal care

Immunization programs

Clinical trials





Priorities

In accordance with the govern cooperation policy, FIOCRUZ develops priority technical cooperation to improve National Health Systems :

- UNASUR - the Union of South American Nations (www.unasursalud.org)
- OTCA - the Amazon Cooperation Treaty (www.otca.org.br)
- CPLP - the Community of Portuguese Speaking Countries: Africa, Asia, Europe (www.cplp.org)
- And Others upon demand



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THE INICIATIVE

➤ **Objective:** Implement actions to create a public enterprise in Mozambique aimed at sustainable production of antiretrovirals and additional drugs.

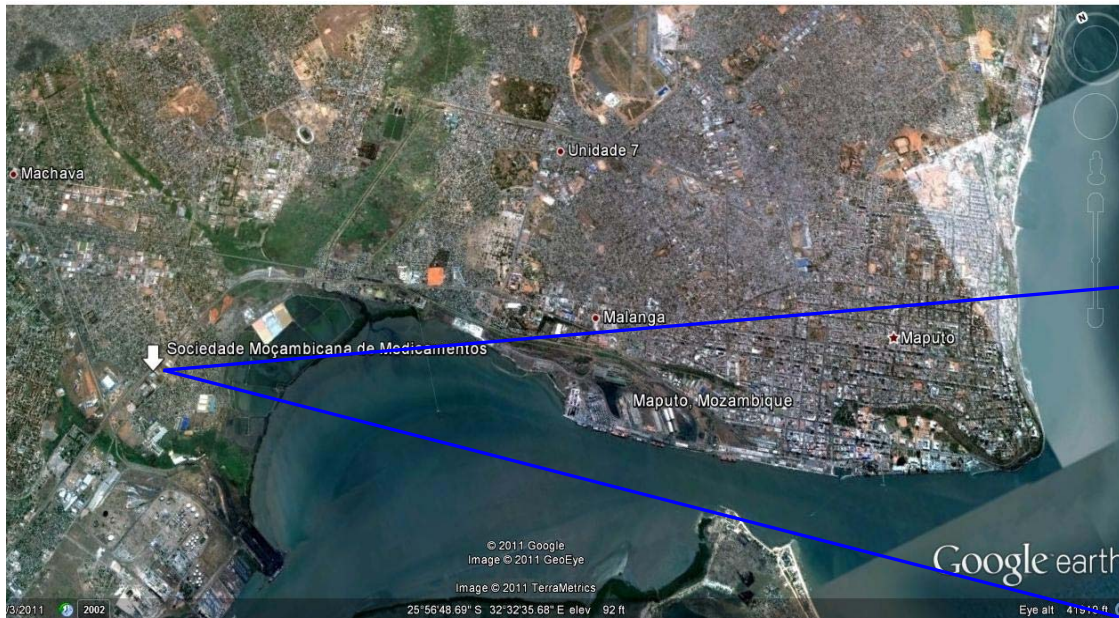


Sociedade Moçambicana de Medicamentos – SMM
S.A.



LOCALIZATION

- Land's Aquisition of 20.000m², located in Matola, Maputo's Province, which brings a built area of approximately 3.000 m² for the new factory.



ACTIVITIES OF THE INITIATIVE

- The training of human resources in Mozambique, both in technical and managerial levels;
- The transfer of technologies and techniques for the public production of medicines, as well as quality control;
- Assistance in the technical and administrative management of the pharmaceutical business, with the main purpose of achieving the international certification for good manufacturing practices.

SUSTENTABILITY CONCEPT IN THIS PROJECT

- Relevant social outcomes
- Adequate financial performance in order to guarantee the self-financing
- Reduction of possible environmental impacts.

OUTCOMES

- Highly specialized local industry
- Economically sustainable public enterprise
- Strengthening the regulatory agency
- Demand to formulate pharmaceutical policies more articulated to other health policies.

Feasibility of the Factory - the business

The Business Plan concludes that given the amount of investment made, the company demonstrates economic sustainability from year 7, very positive time for investments industrial equivalent, then draft takes place.

Financing

The Initiative is co-financed by the two governments. Brazil invested about 21 million dollars and Mozambique about 15 million dollars over 8 years (4,4 million dollars donated by private Brazilian company that operates in Mozambique)

Mozambique today - challenges

- Composition of the public budget that is 40% dependent of foreign donation
- Country is more than 80% dependent of medicines supplied by international donations.
- The country also faces an HIV/AIDS epidemic that affects about 18% of the population
- Treatment reaches less than 40% of adults and 25% of the infected children.

Induction of a new moment

Stakeholders involved with the African healthcare subject to improve the new discussions on:

- Access and assimilative capacity of health technologies by African countries;
- Ability to install new platforms for research and technological development in the field of health;
- Ability to form specialized human resources in healthcare;
- Possibility of inducing other industrialization processes in African countries;
- Generating new work fields from health;

Timeline

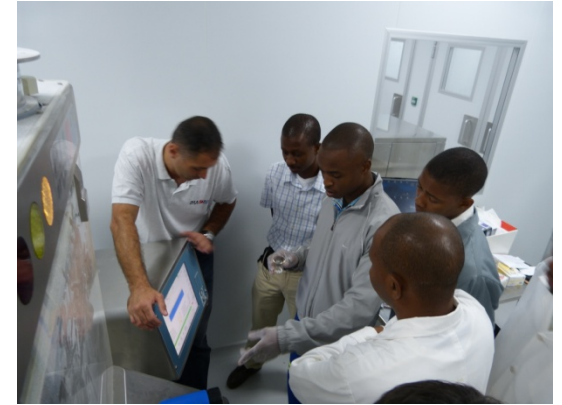
➤ 2009 – 2011: Local Capacity Building and Equipment's Acquisition



➤ 2011 – 2012: Sending of the Equipments and Adaptation Works



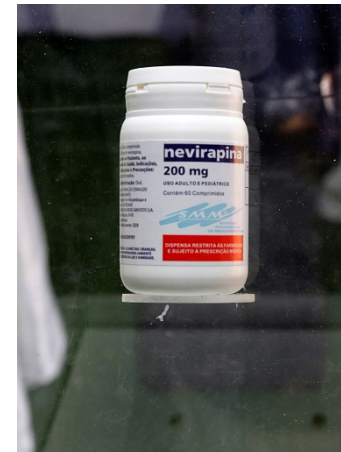
➤ 2012: Equipment's Installation and Capacity Building



➤ 2012: Capacity Building at Farmanguinhos



➤ 2012: Start Up of the SMM Operations



➤ 2012: Visit of the Brazilian Vice-President



✓ Visit of President Lula in 2008



✓ Visit of President Lula in 2010



MAIN AGENTS INVOLVED IN THE INICIATIVE



DEPARTAMENTO FARMACÊUTICO MINISTÉRIO DA SAÚDE - MISAU

MINISTÉRIO DAS FINANÇAS

MINISTÉRIO DOS NEGÓCIOS ESTRANGEIROS E COOPERAÇÃO

IGEPE - INSTITUTO DE GESTÃO DAS PARTICIPAÇÕES DO ESTADO



FINAL REMARCKS

- Some times is need to make legislation adjustments
- Criation of competence local to manage
- Social, economic and environmentally sustainable business
- Participation of the public sector can strengthen the commitment between nations, where possible.

People that receive technology and competences can respond with new achievements.



Thank you



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