

# **Ministry for the Breeding and the Animal Resources (MERA) Institutions, participating at the university formation of the executives in Chad**

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## **I. The Veterinary and Zootechnical Research Laboratory (LRVZ) of Farcha**

**History:** veterinary and zootechnical research began in Africa Central in the years 1920, with the creation of some diagnostic centers scientific in the under-area. For a better organization of the fight against the infectious diseases most constraining for the livestock production, it proved to be necessary to set up a structure of coordination to the regional level.

Thus was created the Veterinary and Zootechnical Research Laboratory of Farcha in 1949. This under-regional institution will be truly operational only in 1952, with the Institute of Breeding and Veterinary medicine of the Tropical Countries (IEMVT) from Alfort House in Paris (France). With the proclamation of the Republic of Chad in 1958, LRVZ returns under the territorial supervision of the government of Chad. The offers of scientific and financial co-operation of a French publicly-owned establishment of research, in fact IEMVT, are accepted by the government by a the territorial assembly of Chad. Thus two conventions are signed: one entrusting the whole of veterinary and zootechnical research to IEMVT, the other defining the conditions of supply of animal vaccines necessary to the cover of the territory of Chad. Thus, IEMVT will ensure on behalf of Chad and of the States of Africa Equatorial French (AEF), currently Africa Central, and the activities of Research - Development in health and livestock production up to 1985.

The events (civil war) which knew Chad in 1979 and 1980 will mark a provisional crushing argument of the activities of research. The restarting of the production of the vaccines will intervene only in at the end of 1982.

In 1985, it is the resumption of the Laboratory by the State Chadian and the appointment of a national Director. These two Acts are materialized by the Ordinance N° 006/PR/85 of bearing 21 March 1985 reactualization of the situation of the Laboratory and the Decree N° 496/PR/MEHP/85 of bearing 21 June 1985 appointment of the Director of the Veterinary and Zootechnical Research Laboratory of Farcha.

**Missions:** the missions assigned at the Laboratory by the Ordinance N° 006/PR/85 are as follows:

- to begin and carry out scientific and technical research necessary to the conservation, the development and the improvement of the national livestock;
- to carry out diagnoses;
- to produce vaccines to ensure the prevention of the diseases of the cattle;
- to take part in the professional and technical teaching of the agents and frameworks.

**Organization and structure:** The laboratory is placed under the supervision of the ministry for the Breeding and with the Animal Resources, LRVZ is equipped with a board of directors, a council scientific and articulated in a technical direction and five (5) divisions.

- Management includes/understands the Director, his assistant, a technical adviser of the French Co-operation and a Secretariat;
- Administrative and financial Division (DAF) is made up of the accounting department, of the department of personnel and the library;
- Division general maintenance (mechanical, electricity, electric household appliances, joinery, plumbing);
- Division production of the vaccines currently centred on the bacteridian vaccines;
- Division Animal Health ;
- Division Livestock production.

Only divisions' livestock health and production undertake the activities of Research – Development and teaching. Also, their structuring would deserve to be better known.

- Division Animal Health (DSA) is composed of six (6) services (Microbiology, Virology, Biochimie and biotechnology, Parasitology, Diagnostic and Epidemiology).  
Within the DSA, exists a "Unit of Mycobacterium" which develops research on the Interface human and animal Health in pastoral medium.
- Division Livestock Production (DPA) contains the services of Animal husbandry - nutrition - food, of the Breeding and environment, the Socio-economy and the Genetics).  
An herbarium made up of 8 000 samples, a unit of cartographer, a bromatologic analysis laboratory and Animalerie which is a unit of support supplement the infrastructures of research.

**Scientific programmes 2006 - 2010:** five (5) research programs – formation are set up in two divisions of research (Animal health and Productions). They are three transverse programs (Ecosanté; Breeding and Environment; Pastoralism and Vulnerability) and two others centred on sets of themes of topicality (Development of the animal dies and Conservation of the biodiversity).

**Scientific animation:** Divisions and Services in load of Research – Development are animated by high level specialized executives (pH D., Doctorat Single, veterinary Doctorat, Zootechnician, Socio-economist, Genetician, etc). These frameworks are formed in Universities and large Schools French, Anglo-Saxon, Germanic, Italian, Soviet, African, etc.

To give weight to institutional animation, the Laboratory has just named a researcher senior, at the station of in charge of scientific Animation. The prospect with course term is to arrive at the installation of a unit of Animation and Valorisation Scientists (UAVS) to support the Management of the LRVZ and to play a driving role in the diffusion of the results of research.

The LRVZ organizes all the four or five years, in collaboration with the other institutions of agricultural research and teaching of Chad, the "**Agro-Sylvo-Pastorales Days** (JASP)". These days are largely opened to the participants of the African and European countries. Three days were already organized and the scientific papers made at the time of the two last were published in Acts. The laboratory organizes annually, in December, its own scientific workshops.

**The scientific publications** of the researchers of the LRVZ are done in reviews at reading panel at the national and international level (Africa, Europe). On average, it is necessary to count four to five publications per annum in these reviews and several scientific communications.

**Activities of teaching and formation:** they taken two aspects

- the delivery of the theoretical and practical lesson in the university institutions and vocational schools in Chad;
- the participation in the framing of the training students.

The trainees come from the university institutions of Chad, of the European countries like African countries of under central Africa area and West Africa. The framing relates to memories of Master of Sc, Diploma of Thorough Study (DEA) and theses of university Doctorate. The Laboratory delivers formations with the chart in the field of health and the production livestock, of and the natural technique stock management of laboratory.

**Equipment:** the Laboratory has the equipment necessary to the realization of the activities of research and diagnoses.

## **II. The Center of Quality Control of the Foodstuffs (CECOQDA)**

The Center is created by Arrêté N° 004/PR/PM/ME/SG/07, on January 24, 2007.

**Missions:** the missions assigned in the Center are as follows:

- To make the microbial ecology of very produced intended for consumption;
- To carry out microbial, physicochemical and toxicological analyses of food in all, importation, distribution or the conservation manufacturing units of food, water, drinks various, drugs and all other substances introduced into the human organism and animal with a nutritional, therapeutic aim or other convergent with the improvement or the deterioration of the health of the man and the animal;
- To contribute to the development of the national standards as regards hygienic and nutritive quality of the foodstuffs;
- To take part in the vocational training and academic as regards quality control of the foodstuffs;
- To undertake activities of scientific and technical research;
- To be used as office of council for all that relates to the quality and the hygiene of the foodstuffs near the producers.

**Cad hoc comity:** an ad hoc committee made up of the representatives of seven (7) Government departments concerned with the problems of the medical safety of food and the representative of the Association of Defence of the Rights of Consumers (ADC) was created by Arrêté N°045/PR/PM/ME/SG/06, on 15/11/2006. They are the following ministries:

- Ministry for the Breeding;
- Ministry for the Public health;
- Ministry for Agriculture;
- Ministry for the Trade of Industry and the Craft industry;
- Ministry for the Interior and Public Safety (common of Djamena);
- Resource Halieutics and Water, Department of the Environment;
- Ministry for the Higher education, Scientific Research and the Vocational training;
- And the Association of Defence of the Rights of Consumers (ADC).

**Organization:** the CECOQDA under supervision of the Ministry for the Breeding and the Animal Resources is organized as follows:

- A board of directors;
- A General Directorat-;
- A Scientific department;
- An administrative and financial Direction

***Technical departments three (3)***

- Quality control of food, water and drinks;
- Quality control of the drugs and the pesticides;
- Studies - Evaluation - Formation and documentation

***Units or Divisions eight (8)***

- Physicochemical
- Food microbiology
- Molecular biology
- Toxicology
- Metrology
- Evaluation
- Formation
- Documentation

**Infrastructure, Equipment and formation:** the buildings in construction to shelter the various offices and Analysis laboratories of the CECOQDA are in the course of completion. The financial value assigned to the realization of this infrastructure is 2,5 billion CFA franc (XAF Africa Central). For the Equipment, two financial backers in the European Union (UE) and the African Bank of Development (BAD) are solicited and gave their assent for the equipment of the offices and laboratories. The requested amount is 2,5 billion CFA franc (XAF Africa Central).

The total investment (infrastructure, equipment and formation) is 5 billion francs CFA.

**Personnel:** The personnel is composed of senior executive and technicians of Laboratory trained for some and in the course of formation for others.

**Prospect for the CECOQDA:** the perspective of Chad Government is to make CECOQDA, an institution under regional of reference in CEMAC area.