Ref. m45 F46 9 November 2000

Dr Joseph Domenech
Director CIRAD-EMVT
TA 30/B
Campus International de Baillarguet
34398 Montpellier – Cedex
FRANCE.

Dear Sir,

Subject: Epidemiologist for the Collaborative Centres in Nairobi and N'Djamèna

We return herewith one original copy of the Technical Assistance Contract for the Epidemiologists for the Collaborative centres in Nairobi and N'djamèna.

Yours faithfully



Dr. Al Hadj A Tall
DIRECTOR

RB/sz

Encls.

TECHNICAL ASSISTANCE FRAMEWORK CONTRACT

nancing Source	Seventh European Development Fund
tle	Provision of Technical Assistance to the PACE project
oject accounting number	7 ACP RPR 744
ntractor	CIRAD-EMVT
nount of the contract	Kenya Shillings: 169,164,875.00
tification of contract	

TECHNICAL ASSISTANCE FRAMEWORK CONTRACT

Financed under the 7th European Development Fund

Project Number: 7.ACP.RPR.744

tween: the Director of the Interafrican Bureau for Animal Resources / Organisation of the African Unity (OAU/IBAR), REGIONAL AUTHORISING OFFICER,

:einafter referred to as the **"Contracting Authority"**, on the one part,

1: CIRAD-EMVT,
TA30B
Campus International de Baillarguet,
BP 5035,
F-34032 Montpellier cedex 5,
France.)

:einafter referred to as the **"Consultant"**, on the other part.

IS HEREBY AGREED AS FOLLOWS:

:EAMBLE

The Contracting Authority hereby entrusts to the Consultant, who accepts on the terms set out below, the task of providing technical assistance to the Pan African Programme for the Control of Epizootics (PACE Programme).

A description of the work to be carried out by the Consultant pursuant to this contract is given in the annexes hereto, and in particular in the terms of reference set out in Annex A of this contract.

The tax and customs arrangements to which the Consultant and his staff are subject are detailed in Annex D.

e contract price shall be KES 169,164,875.00 (Shillings one hundred sixty nine million one hundred ty four thousand eight hundred seventy five only) equivalent to EURO 2,319,370.00 (Euros Two million ee hundred nineteen thousand three hundred seventy only).
the basis of the following exchange rate: 1 EURO = 72 ,9357 Kenya Shillings, in accordance with nex C (Price Breakdown).

SPECIAL CONDITIONS OF THE CONTRACT

Special Conditions supplement and/or amend the General Conditions for Service Contracts financed he European Development Fund (VIII/E/439/90-EN). Unless otherwise provided in these Special litions, the General Conditions referred to above remain fully applicable.

2 Law and language of the contract

The language of the contract and all related communication shall be English.

3 Order of precedence of contract documents

The order of precedence of contract documents shall be as follows:

- the letter of contract
- the contract

7 Sub-contracting

Sub-contracting shall be allowed under this contract with VEERU.

Requests for the approval of any other sub-contract shall be submitted one month in advance to the Contracting Authority, stating the identity of the sub-contractor and the tasks to be carried out by him.

9 Assistance with local regulations

Throughout the duration of the contract, the Contracting Authority shall provide the Consultant with furnished office accommodation in Nairobi.

The Contracting Authority will assist the Consultant with the recruitment of local personnel for the implementation of the contract.

10 General obligations

The Technical Assistance team will report to the OAU/IBAR PACE Programme Co-ordinator, via the Main Epidemiologist of the PACE Programme or, in the event of any administrative reorganisation, the appropriate Authority as designated by the Contracting Authority. Duties and responsibilities to be carried out by each expert are specified in the terms of reference in Annex A.

14 Indemnification

The Consultant's liability under Article 14.2 (b) shall be confined to the contract price.

t. 15 Medical and insurance arrangements

The insurance provided in Article 15.4 shall cover the claims provided for in (a), (b), (c) and (d). The amount shall be limited to the contract price.

t. 17 The scope of the services

The Consultant shall perform the services under the contract in accordance with the terms of reference attached as annex A.

The Contract comprises the provision of personnel (long-term and short-term technical assistance) for the execution of the programme. In addition, the Consultant shall: i) procure equipment (limited amount), ii) manage a project account for the purpose of administering finances related to the staff and non-staff operating costs in Chad. The use of this account will be detailed through an annual cost breakdown to be determined by means of an annual Administrative Order signed by the project supervisor and the Delegation of the EC in Kenya. The Contracting Authority and the EC Delegation in Kenya shall approve short-term consultancies prior to implementation.

The Consultant's experts shall carry out these tasks and act as advisor: the Consultant's head office shall provide assistance for solving any technical, financial or economic problem that may confront its agents in the performance of their duties.

The Consultant shall, on his own initiative or at the Contracting Authority's request, provide the Contracting Authority with all information and explanation concerning performance of the contract or relating directly to it.

This information shall be given either in the reports provided for in the contract or in an appropriate manner in the case of any important fact or decision that, in the opinion of the Consultant, should be brought immediately to the attention of the Contracting Authority and/or the project Supervisor (the PACE Programme Co-ordinator).

t. 18 Provision of personnel

(3) If a long term technical assistant is of a lesser qualification than those indicated in the terms of reference, a 15% discount on the corresponding fee will be applied.

t. 19 Staff and equipment

The qualifications and other requirements to be met by consultants are set out in Annex A (Terms of Reference).

The Consultant shall perform this contract with the long-term personnel referred to in Annex B. An independent, external evaluation may be carried out mid way through the project. The findings of the mid-term evaluation will be studied with a view to making any changes in the design or the management of the project, to ensure that project achievement indicators continue to be met. At this stage some changes in the tasks and/or responsibilities of the experts deployed in the project could be envisaged. The PACE Advisory Committee may also recommend the adjustment of their tasks and responsibilities.

The personnel supplied by the Consultant shall start work within eight (8) weeks of notification of this contract by the Contracting Authority.

The Consultant shall purchase vehicles, equipment and consumables in the name of the Supervisor in accordance with the contract.

Upon completion of the project the above stated vehicles and equipment shall be handed over to the Supervisor.

The Consultant shall be responsible for the arrangements of hotel or other accommodation in Nairobi and Chad, and during field missions.

t. 21 Commencement orders

The contract shall enter into force on the date of its notification. Performance of the contract shall start on the date of arrival of the first expert.

t. 22 Period of performance

The period of performance of the contract is hereby set in principle at thirty (30) months, tacitly renewable for a further 30 months.

The period of performance will end in any case on 31th of October 2004, unless a continuation of the PACE programme is accepted in accordance with article 3 of the PACE Financing Agreement

t. 24 Delays in performance

The damages per day of delay provided for in Article 24.1 (concerning submission of reports) shall be set at 0.1% of the value of the contract or, up to 15% of the total contract price.

The Consultant will be liable for damages equal to 1/1000th of the estimated value of the fees of the contract per day in the event of unjustified absence from duty on the part of the technical assistants.

t. 28 Leave entitlement

The leave entitlement of the Consultant's long-term expatriate agents shall be calculated on the basis of six (6) days leave per month worked.

The leave entitlement of local personnel shall be established in accordance with the practices of the OAU/IBAR. Leave period shall not be paid to the Consultant.

t. 29 Information

The Consultant shall furnish the Supervisor with periodic reports to cover various aspects of work carried out as follows:

- Within 2 months after the end of the year covered by the annual work programme of the PACE Programme, the Consultant will submit an annual report of the experts' activities. It

will consist of an appreciation of all the activities of the previous year, a description of achievements, problems arising, an appreciation of the previous planning and implementation process.

- Before completion of the services, which are the subject of this contract, the Consultant will draw up a comprehensive final report, which will include a full assessment of the programme achievements in relation to targets set and major constraints encountered.

The Consultant's experts shall produce their annual work programmes and cost estimates (AWP&CE), the latest in the course of the third month preceding the end of the on-going work programme. They will simultaneously provide their contributions to the Co-ordination Unit and Common Services Annual Report for the previous 12 months.

Each quarter, the Consultant's experts will participate fully in monitoring the implementation of the PACE Programme, in accordance with the Programme's established practices.

In close collaboration with the Main Epidemiologist and the PACE Programme's technical teams, the Consultant's experts shall prepare half-yearly progress reports of the Programme's epidemiological component. These reports will be submitted punctually, and in the PACE Programme's reporting format, to the PACE Programme Co-ordinator for inclusion in the Co-ordination and Common Services report.

Each short term mission will be the object of a report.

t. 31 Submission of reports

Six copies of the draft report referred to in Article 31.1 shall be forwarded to the Supervisor not later than 30 days of completion of the services by the Consultant.

Four copies will be presented to the Delegation of the European Commission in Kenya.

t. 32 Approval of reports and documents

The Contracting Authority shall take a decision on the reports and documents referred to in Article 31 within 1 month (30 days). If no comment is made within this period, the report/document will be deemed to be approved.

t. 33 General provisions

The currency of the contract is the Kenya Shilling.

All payments under the contract shall be as follows:

(a) 10% of the Fees and Direct Costs in Kenya Shillings, viz. KES

(b) 90% of the Fees and Direct Costs in EURO.

The exchange rate shall be 1 Euro = 72.9357 KES (local currency).

Payments for reimbursable expenses on the basis of original supporting documents shall be made in EURO. Anv conversion from other currencies shall be calculated on the basis of the

rates published in the Official Journal of the European Commission, which were in force on the first working day of the month in which the expenses were incurred.

In the case of currencies not quoted in the OJ, conversion shall be calculated on the basis of the rates published in the Financial Times on the first Monday of the month in which the expenses were incurred.

Payments shall be made to the following account(s):

(a) For Kenya Shilling payments:
the details of this account will be communicated at a later stage.

(b) For the Euro payments:
Code banque: 30004
Code guichet: 00640
Numero de compte: 00010044308
Cle RIB: 86
Opened near the "Banque Nationale de Paris",
Rue Maguelonne, 9
F-34800 Montpellier
France
At the name of "CIRAD-EMVT"

This is a composite contract based partly on unit prices (professional fees and other fixed costs) and partly on reimbursable items.

Reimbursable expenditures will be paid on production of original supporting documents. The amount for unit prices is fixed at 120,872,689.00 KES and reimbursable and lump sum costs are estimated at 48,292,186.00 KES.The total estimated value of the contract is thus 169,164,875.00 KES (see Annex C for details).

The value of the contract will be expressed in KES.

t. 34 Advances

Advances may be made to the Consultant at his request. Any advance shall be covered by a bank guarantee made out to the RAO for the same amount expressed in the same currency.

The amount of an advance shall not exceed 20% of the total contract price.

Repayment of the advances referred to in Article 34.1 shall be made by deduction from payments on account or from any balance due to the Consultant. Repayment shall begin when the amount of the sums due under the contract reach 20% of the contract price. Repayment must be completed when the amount reaches 80%.

The amount to be deducted from each interim payment shall be calculated using the following formula:

$$R = \frac{Va}{Vt \times 0.6} \times D$$

where

R = the amount to be repaid
Va = the amount of the advance
Vt = the initial value of the contract
D = the amount of the interim payment

Repayments shall be made in the same currency as that of the advance.

35 Payment procedure

The amount of the interim payments shall be 90% of the value of the Fees and Direct Costs to which it relates; the remaining 10% thus withheld shall be paid as a final balance.

Payments will be made quarterly in arrears. These payments are in the nature of interim payments and do not relieve the Consultant of his contractual obligation in respect of the period concerned. Fixed costs are not payable during leave periods.

For costs based on reimbursement, payment shall be made on production of original invoices together with all relevant original supporting documentation, including air ticket stubs and boarding passes. Original documentation is essential. Copies shall not be considered. Cost of visas for official travel will be considered reimbursable. For those reimbursable costs related to the detailed breakdown of costs, payment and disbursement, details shall be provided according to an approved annual Administrative Order. Procurement expenses related to equipment shall be treated as reimbursable. Procurement shall be carried out by the Consultant, on behalf of the Contracting Authority, on the basis of a minimum of 3 quotations to be evaluated by the Consultant and endorsed by the Contracting Authority and the Delegation of the European Commission. All necessary documents will be kept available for an annual audit to be carried out independently.

Requests for payments of fixed costs and reimbursable expenses over the same period shall be submitted simultaneously. For each interim payment, the Consultant shall forward the following documents:

a) 1 original invoice and 4 copies to the Head of Delegation of the EC in Kenya
b) 1 original invoice and 1 copy to the Contracting Authority
c) the itemised statements of the amounts payable for each period concerning the services rendered by the Consultant
d) the original supporting documents to the Head of Delegation of the EC in Kenya with copy to the Contracting Authority

Requests for payments of reimbursables under the Adminstrative Orders will be presented separately.

Payment of the 10% balance will be due annually upon approval of the Consultant annual report by the Contracting Authority and the Delegation of the European Commission in Kenya.

36. Travel and Transport

For agents recruited outside the country of performance of the contract, the cost of tickets for initial departure and final return will be reimbursed. Transport costs for the expert's family (spouse and dependent children) will also be reimbursed where his continued work in Kenya and/or Chad is scheduled to have a duration in excess of 6 months.

It should be noted that only **economy class air tickets direct between his place of residence and the duty station will be reimbursed**. If the expatriate and his family travels other than economy and/or by an indirect route, original documentation must be provided to indicate the cost of the direct economy class fares at the time of travel.

In addition, the cost of transporting the long-term expatriate experts, their spouses and dependent children from Kenya to their usual place of residence and return, for the purpose of leave, after each year of effective work, will be met by the Contracting Authority.

For agents recruited outside the country of performance of the contract, transport of luggage out at the beginning of contract and back at the termination of contract will be reimbursed. There will be no additional provision for transport of luggage in case of an extension of the contract. The luggage for which transport will be reimbursed includes personal effects and articles necessary for implementation of the contract, within the following limits:

accompanied baggage:	20 kg per person
unaccompanied baggage:	200 kg for the expert + 100kg per family member

The costs pertaining to the transport of documents, equipment, materials and others, shall be deemed to be included in the lump sums or unit prices indicated in the price breakdown and shall not be reimbursed separately.

The reimbursement of the costs of travel tickets and accompanied baggage shall only be made against the presentation of original tickets and boarding cards.

37 Revision of Prices

and (2) Providing it can be justified, a revision of the unit prices may take place at the beginning of year three and will apply to the sums due for services rendered thereafter. No review will be allowed for the sums pertaining to the first two years of contract performance. The formula to be applied for price revision is as follows:

For the local component: $P = Po \times (0{,}20 + 0{,}80\ Z/Zo)$

For the foreign component: $P = Po \times (0{,}20 + 0{,}80\ E/Eo)$

Where:

- P = revised rate
- Po = rate shown in the contract
- Z = cost of living index in Kenya for the thirteenth month following the signature of the contract by the Contracting Authority
- Zo = cost of living index in Kenya for the month preceding the date set for the submission of tenders

E = cost of living index in the country of the Consultant's registered place of business for the thirteenth month following the signature of the contract by the Contracting Authority

Eo = cost of living index in the country of the Consultant's registered place of business for the month preceding the date set for the submission of tenders

N.B. E and Eo derive from Eurostat tables and Z and Zo from the official statistics offices of the Republic of Kenya. If the foreign currency is the EURO, E and Eo represent the Eurostat index for the EU.

38 Delayed payments

The rate of interest referred to in Art. 38.1 of the General Conditions shall be the rediscount rate of the issuing institution of the country of the currency of payment. For payments in EURO, the rate shall be the latest rate as published in the Eurostat publication "EURO SME INFORMATION" under the heading "Operations rates of EMC (Calculation month) and interest rates and yields of EURO investments (%) in the month preceding the one when the payment is made.

40 Breach of contract

A Consultant who changes the composition of the personnel for reasons other than those provided for in Article 18.4, Article 18.6 and Article 43, shall be considered in breach of contract.

Where there are replacements as referred to in para. 1 and without prejudice to the application of articles 40(2)(b)and 18(2), (3), (5) and (6) the Contracting Authority may claim compensation equivalent to 10% of the total contractual amount to be paid to the agent or agents concerned

42 Termination by the Consultant

The limit referred to shall be 20% of the value of the contract.

45 Settlement of disputes

The arrangements referred to in Article 45.2 of the General Conditions are as follows:

a) The procedure to be followed for an amicable settlement of a dispute shall be opened by one party notifying the other party of the dispute, in writing, and proposing recourse to an amicable settlement, in accordance with arrangements to be agreed and in accordance with this Article and Article 45 of the General Conditions.

b) The deadline for carrying out the amicable settlement shall be no more than 30 days following the party's notification, referred to in sub-paragraph 45.2(a).

The maximum period permissible for reaching an amicable settlement shall be 60 days from the period of notification. The parties may agree, in writing, to extend this period by up to a further 60 days period.

c) The deadline referred to in Article 45.2(c) of the General Conditions, within which there should be a response to requests, shall be 8 days from receipt of the said requests. Where this deadline is not kept, the party that has made the request shall send a reminder. Where there is no response to the reminder within 8 days of its receipt, the attempt for an amicable settlement shall be deemed to have failed.

The parties may agree that the conciliation procedure referred to in Article 45.3 of the General Conditions shall be that provided for in Article 5 of the Procedural Rules on conciliation and arbitration referred to in Article 45.2(b).

Where the European Commission is asked to intervene in an amicable settlement, such request may be made only when all internal means of administrative recourse have been exhausted, in accordance with Articles 4 and 5.1 of the Procedural Rules on conciliation and arbitration of contracts financed by the EDF, adopted by Decision of the ACP-EEC Council of Ministers, No. 3/90 of 29 March 1990 (OJ L382 of 31.12.90).

Intervention by the European Commission in an amicable settlement may take the form of an intervention by the Commission's Delegation on the spot or by the Commission's services in Brussels, as agreed between the parties concerned and the Commission.

b) The procedural rules referred to in Article 45.5(b)(ii) of the General Conditions shall be taken to mean those provided for in the Procedural Rules on conciliation and arbitration referred to above.

46 Signatures and addresses

addresses for notification relating to performance of this contract are:

sultant	CIRAD-EMVT. TA30B Campus International de Baillarguet BP 5035 F-34032 – Montpellier cedex 5 France
racting Authority	Regional Authorising Officer of the EDF OAU/IBAR P.O. Box 30786 Nairobi Kenya
ervisor	PACE Programme Co-ordinator OAU/IBAR P.O. Box 30786 Nairobi Kenya
gation of the European mission in Kenya	P.O. Box 45119 Nairobi Kenya
pean Commission	Directorate General for Development Rue de la Loi 200 1049 Brussels Belgium

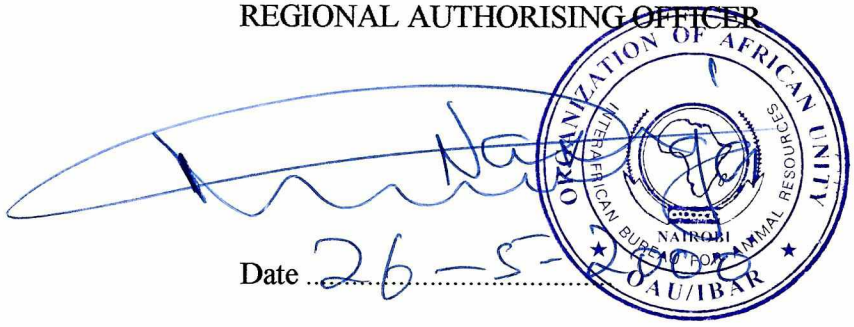
SIGNATURES

the Consultant

ctor CIRAD emvt

30 Mai 2000

For the Contracting Authority
REGIONAL AUTHORISING OFFICER



Date 26-5-2000

Endorsement for financing
Head of the Delegation of the
European Commission in Kenya



Date 27/6/2000

ANNEXES

Terms of Reference

Curriculum vitae of personnel

Price breakdown/remuneration

Tax and customs arrangements

Model bank guarantee for payment of advances

ANNEXE A

TERMS OF REFERENCE

PROVISION OF TECHNICAL ASSISTANCE TO THE EPIDEMIOLOGICAL COMPONENT OF THE PACE PROGRAMME

1. BACKGROUND

Rinderpest was first introduced to the African continent in 1841 and it first appeared south of the Sahara in 1884, after infected cattle were imported from India. The resulting epidemic killed over 90% of the indigenous cattle and wildlife population in Sub-Saharan Africa and up to 75% of Egyptian cattle and buffaloes.

During the 1960s and 1970s, the Joint Project Campaign (JP15) was initiated. It resulted in the vaccination of over 70 million cattle with the tissue culture vaccine. The JP15 campaign ended in 1969 and 1976 in West Africa and East Africa, respectively; by this time, the number of rinderpest outbreaks had dropped substantially. As it became clear that rinderpest was spreading once again throughout Africa, OAU/IBAR expressed its concern for the need to renew control efforts. After wide-ranging consultations between national governments and donors, especially the European Communities, the Pan-African Rinderpest Campaign (PARC) was officially launched as a continent-wide control campaign.

The Pan-African Rinderpest Campaign (PARC) was financed from 1986 by the European Union, principally through Regional and National Programmes of the European Development Fund (EDF). It consisted of two parts: one part supported the Interafrican Bureau for Animal Resources (IBAR) of the Organisation of African Unity (OAU), which was responsible for the co-ordination of the project; the other part was a collection of programmes at a national level which were negotiated on a case by case basis with individual countries. In total, 35 countries from West, Central and East Africa were involved in the PARC programme under various funding agreements.

The aim of the programme was to :

(i) control and ultimately eradicate rinderpest from the continent ;
(ii) revitalize and restructure livestock services, through dialogue with national governments, to make them self-sustaining ;and
(iii) provide appropriate improvments to husbandry methods.

By 1999, more than 12 years after PARC started, 465.5 million doses of rinderpest vaccine had been used and no rinderpest has been reported in West and Central Africa for more than ten years. The number of countries officially known to harbour rinderpest or to be suspected to have unreported cases dropped from 18 in 1986 (when PARC started) to just two in 1998.

By 1999, seventeen countries had declared complete or zonal provisional freedom from rinderpest according to the OIE pathway. There was also significant progress on policy reforms and privatization of animal health services: 23 of the 35 countries have adopted cost recovery measures while in 20 countries, some form of privatization was initiated, including the use of community-based delivery systems of veterinary services. An economic impact assessment of PARC showed that rinderpest is a disease of major economic importance in the African continent.

The new PACE Programme will build upon the successes of the PARC and will extend its scope to include major epizootics other than rinderpest. The objectives of the PACE Programme are indicated below.

Objectives of the PACE Programme	
Goal (Overall objective)	Combating poverty among those involved in stock farming by improving productivity.
Purpose (Immediate objectives)	1. Strengthening the capability (National and regional) to assess the technical and economic aspects of animal diseases and generate appropriate programmes for their control. 2. Safeguarding animal health in Africa against major animal heath diseases (OIE List A diseases).
Results	1. Reinforcing animal epidemiology services (information, diagnostics and follow-up) and control of major animal diseases in the participatory countries. 2. Greater privatisation of veterinary services and public/private sector linkage in the field. 3. Rinderpest eradicated from Africa; greater control of other epizootic diseases, especially CBPP. 4. At pan-African level, sustainable co-ordination of national animal health systems and arrangements for tackling epizootic diseases set up.

The implementation of the PACE Programme will take cognisance of the lessons of the PARC.

- The main development theme of the PACE Programme is to build the institutional capacity of the OAU/IBAR and veterinary services in participating countries. In the long-term, appropriate strategies should be developed and managed effectively to control epizootic diseases. This focus of the PACE Programme will include the promotion and development of partnerships between appropriate public sector and private sector stakeholders.

- One important area that will be addressed early in implementation is the co-ordination and management of the Programme's technical teams.

2. SERVICES TO BE PROVIDED BY THE CONSULTANT

2.1 Technical assistance

The Consultant will provide one long-term epidemiologist for Central Africa and another long-term epidemiologist for East Africa. Their terms of reference are detailed below.

In addition, the Consultant will provide short-term technical assistance in specialist fields including veterinary laboratory diagnostics, serology and data management.

2.2 Management of a project account in Central Africa

The Consultant will administer finances related to the staff and non-staff operating costs in N'djamena, the provision for which is included in this contract. The utilization of these funds will be through an AWP&CE, which will require the prior approval of the OAU/IBAR and the Delegation of the EC in Kenya. Approval will be

granted by means of an annual Administrative Order, which shall be annexed to this contract. This project account will be managed in compliance with the EDF rules and procedures, which the PACE Programme will adopt.

2.3 Reports and information

The Consultant will submit punctually to the PACE Programme Co-ordinator (the Supervisor of the Contract) the reports as stipulated in Article 29 of the contract.

The Consultant shall submit all reports to the Supervisor for approval. The PACE Programme Co-ordinator shall distribute all reports.

Each quarter, the Consultant's experts will participate fully in monitoring the implementation of the PACE Programme, in accordance with the Programme's established practices.

In close collaboration with the Main Epidemiologist and the PACE Programme's technical teams, the Consultant's experts shall prepare half-yearly progress reports of the Programme's epidemiological component. These reports will be submitted punctually, and in the PACE Programme's reporting format, to the PACE Programme Co-ordinator for inclusion in the Co-ordination and Common Services report.

3. TERMS OF REFERENCE FOR THE CENTRAL AFRICA EPIDEMIOLOGIST

3.1 The post

The Central Africa Epidemiologist will lead a unit that will be based in Tchad with back-up support and co-ordination from Ndjamena and will work in the countries of the Central African Cordon Sanitaire against rinderpest, *i.e.* in Tchad, Central African Republic and Sudan. If the need arises, the unit may be relocated at the expense of the PACE Programme.

The incumbent will work under the auspices of the Director OAU/IBAR. He/she will report on all technical and administrative matters and activities through the Main Epidemiologist to the PACE Programme Co-ordinator, based in Nairobi. His/her work programmes will be approved by the PACE Programme Co-ordinator and will be formulated as an integral part of the Programme Co-ordination Unit's annual work plan. This will entail full participation in the PACE Programme's planning, monitoring, reporting and administrative procedures.

The Central Africa Epidemiologist will be supervised by the Main Epidemiologist and work in close consultation with the West Africa Epidemiologist and the PACE Regional Co-ordinator, who will be based in Bamako. He/she will also work closely and with the PACE National Co-ordinators in Tchad, Central African Republic (CAR), and Sudan.

3.2 Outputs to be achieved by the Central Africa Epidemiologist

- A functional and appropriate cordon sanitaire is maintained for the duration of the PACE Programme, or for the time deemed necessary by OAU/IBAR/PACE and the PACE Member States involved.

- Sustainable animal epidemiological services* in the countries of the cordon sanitaire are harmonized and a functional network is in place by the end of 2003 (Year 4 of the PACE Programme).
  (* – including survey/surveillance methods, data management, reporting, diagnostics and follow-up)

- An appropriate system is in place and managed by the countries of the cordon sanitaire to provide up to date information on epizootics in the zone by the end of 2003 (Year 4 of the PACE Programme).

- Responsibilities for day to day epidemiological surveillance activities of the PACE Programme are handed over to the National counterparts by the end of 2003 (Year 4 of the PACE Programme).

- The countries of the cordon sanitaire produce and share up to date information on the major epizootics occurring in their zone.

- The epidemiological activities of all actors/stakeholders in the countries of the cordon sanitaire are co-ordinated effectively from the end of 2002 (Year 3 of the PACE Programme) onwards.

3.3. Duties and activities

The Central Africa Epidemiologist will be responsible for the co-ordination of the development and maintenance of the Central Africa cordon sanitaire, which comprises vaccinated cattle and intensive disease surveillance. The cordon sanitaire should prevent transmission of rinderpest virus from Sudan to Central and West Africa. He/she will be responsible for the overall planning and management of the cordon sanitaire, including surveillance. He/she will:

3.3.1 *provide regional assistance* in Central Africa (Tchad, CAR and Sudan) for maintaining and developing a cordon sanitaire (to be redefined geographically and technically by OAU/IBAR/PACE and the PACE Member States);

3.3.2 *co-ordinate and harmonize vaccination, disease surveillance and sanitary procedures* in the three countries through preparation of agreed common operating procedures and of regular cross-border meetings of veterinary staff (government, private and NGO-based) involved in the effective implementation of the cordon-sanitaire;

3.3.3 *advise and assist with improved vaccine delivery* (by government, private or NGO staff employing conventional and community based approaches plus thermostable vaccine) to achieve high levels of herd immunity within the cordon-sanitaire cattle populations;

3.3.4 *encourage the use of permanent visible marking systems for vaccinated cattle* in the cordon-sanitaire, and assist with improving cost recovery for vaccination where this is implemented.

3.3.5 *co-ordinate the continual monitoring of the movement of transhumant and trade cattle* through and within the area in order to develop a more accurate overview of cattle movements within the cordon sanitaire and its environs, and to have up to date information on the locations of cattle within the cordon at any time including unseasonable and or unpredicted movements;

3.3.6 *establish close contact with farmers groups* and their representatives and with influential leaders of public opinion so that the livestock owners will be made aware of the cordons sanitaires and the importance of its purpose, and of the need to report any suspicious clinical signs to animal health staff.

3.3.7 *promote the development and routine use of national systems of disease surveillance* designed to detect clinical rinderpest within the cordon sanitaire and in the zone of surveillance to the West of the cordon-sanitaire; [This will include routine "passive" reporting to all available animal health services providers (government and private veterinarians, NGOs CBAHWs etc.) of all suspect cases, supported by routine purposive surveillance of high risk cattle populations at markets, border crossings, stock routes etc. Random surveys for clinical disease will reduce the chance of disease entering by an unsuspected route and assist in preparing for eventual declarations of freedom from disease.]

3.3.8 *facilitate and assist in follow-up investigations* of all suspect cases of rinderpest, including the submission of appropriate samples to national, regional and/or world reference laboratories;

3.3.9 *advise on and assist with routine random serological monitoring* to assess the prevalence of antibody-positive cattle in the cordon-sanitaire;

3.3.10 *provide appropriate training and coaching* for the PACE Programme's Counterparts; [training will include the clinical recognition of rinderpest, correct disease reporting procedures, correct specimen collection, storage and dispatch, to all levels of animal health worker working within the cordon-sanitaire and its environs.]

3.3.11 *supervise and provide support for the region's laboratories* that form part of the diagnostic network that was established during the PARC Programme, and report to the Main Epidemiologist;

3.3.12 *provide immediate advice and assistance in the event of an outbreak of rinderpest within the cordon-sanitaire;*

3.3.13 *provide accurate and appropriate information* to the PACE Programme Co-ordinator and other members of the PACE Programme's technical staff on such subjects as the current status and implications of epidemic diseases of livestock, including rinderpest, in Central Africa;

3.3.14 *prepare quarterly, annual, mission and other reports* in the PACE Programme's approved format [all reports shall be submitted to the PACE Programme Co-ordinator for his comment and approval before they are circulated: only the PACE Programme Co-ordinator shall circulate reports];

3.3.15 *write scientific papers*, as appropriate, to be published through the PACE Programme and the OAU/IBAR; and,

3.3.16 *perform other duties* that may be assigned by the PACE Programme Co-ordinator that are consistent with the objectives of the Programme.

3.4 Qualifications and qualities required

3.4.1 University degree in veterinary science from a recognised university, with appropriate postgraduate training in infectious diseases.

3.4.2 At least 10 years postgraduate field experience in Africa in the control of epidemic diseases of livestock.

3.4.3 Extensive experience of organising and conducting animal disease surveys and surveillance.

3.4.4 Proven ability to direct and motivate professional and technical teams in the field and in the laboratory (*appropriate leadership qualities and experience*).

3.4.5 Fluent in French and competence in English; the ability to speak Arabic or Fulbe/Fulani would be an advantage.

3.4.6 Ability to communicate and work effectively and efficiently with people of different nationalities and cultures at all levels (farmers, technical personnel and political leaders) (*communication skills*).

3.4.7 Good knowledge of the current epidemic diseases to be covered by the PACE Programme would provide a distinct advantage.

3.4.8 Proven ability and willingness to travel and work in remote, undeveloped rural areas.

3.4.9 Possession of *computer skills* including word processing and databases.

3.4.10 Report writing and presentation skills.

4. TERMS OF REFERENCE FOR THE EAST AFRICA EPIDEMIOLOGIST

4.1 The post

The East Africa Epidemiologist will be based in the offices of the OAU/IBAR in Nairobi. He/she will work with staff of the PACE Programme in Burundi, Djibouti, Eritrea, Ethiopia, Kenya, Rwanda, Somalia, Sudan, Tanzania and Uganda. In Sudan he/she will work closely with the PACE Programme's Epidemiologist for Central Africa.

The incumbent will work under the auspices of the Director OAU/IBAR. He/she will report on all technical and administrative matters and activities to the PACE Programme Co-ordinator, through the Main Epidemiologist.

His/her work programmes will be approved by the PACE Programme Co-ordinator and will be formulated as an integral part of the Programme Co-ordination Unit's annual work plan. This will entail full participation in the PACE Programme's planning, monitoring, reporting and administrative procedures.

4.2 Outputs to be achieved by the East Africa Epidemiologist

- Sustainable animal epidemiological services* in the East African PACE countries are harmonized and a functional network is in place by the end of 2003 (Year 4 of the PACE Programme).

(* – including survey/surveillance methods, data management, reporting, diagnostics and follow-up)

- An appropriate system is in place and managed by the East African countries to provide up to date information on epizootics in the zone by the end of 2003 (Year 4 of the PACE Programme).

- Responsibilities for day to day epidemiological surveillance activities of the PACE Programme are handed over to the National counterparts by the end of 2003 (Year 4 of the PACE Programme).

- The PACE member countries in East Africa produce and share up to date information on the major epizootics occurring in their zone.

- The epidemiological activities of all actors/stakeholders in the countries of East Africa are co-ordinated effectively from the end of 2002 (Year 3 of the PACE Programme) onwards.

4.3 Duties and activities

The East Africa Epidemiologist will be responsible for the development and maintenance of epidemio-surveillance of rinderpest and other epizootic diseases in the PACE member countries of East Africa. He/she will oversee vaccination campaigns related to the PACE Programme and will assist the establishment of intensive disease surveillance. He/she will be responsible for the overall planning and management of epidemiological activities in East Africa. He/she will:

4.3.1 *provide regional assistance* in East Africa;

4.3.2 *co-ordinate and harmonize vaccination, disease surveillance and sanitary procedures* in the PACE member countries of East Africa, through agreed common operating

procedures and regular cross-border meetings of relevant veterinary staff (government, private and NGO-based);

4.3.3 *advise and assist with improved vaccine delivery* (by government, private or NGO staff employing conventional and community based approaches plus thermostable vaccine) to achieve high levels of herd immunity;

4.3.4 *encourage the use of permanent visible marking systems for vaccinated cattle* in the appropriate zones, and assist with improving cost recovery for vaccination where this is appropriate;

4.3.5 *continually monitor the movement of cattle* across borders to develop an accurate overview and to have up to date information on their location;

4.3.6 *establish close contact with farmers groups* and their representatives, and with influential leaders of public opinion so that the livestock owners will be made aware of the PACE Programme (related to the surveillance and eradication of rinderpest and other epizootics, as appropriate) and of the need to report any suspicious clinical signs to animal health staff;

4.3.7 *promote the development and routine use of national systems of disease surveillance* designed to detect clinical rinderpest and other major epizootic diseases [This will include routine "passive" reporting to all available animal health services providers (government and private veterinarians, NGOs, CBAHWs etc.) of all suspect cases, supported by routine purposive surveillance of high risk cattle populations at markets, border crossings, stock routes etc. Random surveys for clinical disease will reduce the spread of diseases through an unsuspected route and will assist in preparing for eventual declarations of freedom from rinderpest and other diseases.]

4.3.8 *facilitate and assist in follow-up investigations* of all suspect cases of rinderpest, including the submission of appropriate samples to national, regional and/or world reference laboratories;

4.3.9 *advise on and assist with routine random serological monitoring* to assess the prevalence of antibody-positive cattle and wild animals, as appropriate;

4.3.10 *provide appropriate training and coaching* for the PACE Programme's Counterparts; [training will include the clinical recognition of rinderpest, correct disease reporting procedures, correct specimen collection, storage and dispatch, to all levels of animal health worker working within the cordon-sanitaire and its environs.]

4.3.11 *supervise and provide support for the region's laboratories* that form part of the diagnostic network that was established during the PARC Programme, and report to the Main Epidemiologist;

4.3.12 *provide immediate advice and assistance in the event of a suspected outbreak of rinderpest in East Africa;*

4.3.13 *provide accurate and appropriate information* to the PACE Programme Co-ordinator and other members of the PACE Programme's technical staff on such subjects as the current status and implications of epidemic diseases of livestock, including rinderpest, in East Africa;

4.3.14 *prepare quarterly, annual, mission and other reports* in the PACE Programme's approved format [all reports shall be submitted to the PACE Programme Co-ordinator for his comment and approval before they are circulated: only the PACE Programme Co-ordinator shall circulate reports];

4.3.15 write scientific papers, as appropriate, to be published through the PACE Programme and the OAU/IBAR; and,

4.3.16 perform other duties that may be assigned by the PACE Programme Co-ordinator that are consistent with the objectives of the Programme.

4.4 Qualifications and qualities required

4.4.1 University degree in veterinary science from a recognised university, with appropriate postgraduate training in infectious diseases.

4.4.2 At least 10 years postgraduate field experience in Africa in the control of epidemic diseases of livestock.

4.4.3 Extensive experience of organising and conducting animal disease surveys and surveillance.

4.4.4 Proven ability to direct and motivate professional and technical teams in the field and in the laboratory (*appropriate leadership qualities and experience*).

4.4.5 Fluency in English with a sound working knowledge of French.

4.4.6 Ability to communicate and work effectively and efficiently with people of different nationalities and cultures at all levels (farmers, technical personnel and political leaders) (*communication skills*).

4.4.7 Good knowledge of the current epidemic diseases to be covered by the PACE Programme would provide a distinct advantage.

4.4.8 Willingness to travel and work in remote, undeveloped rural areas.

4.4.9 Possession of *computer skills* including word processing and databases.

4.4.10 Report writing and presentation skills.

5. PROCUREMENT OF EQUIPMENT

5.1 The Consultant shall procure limited quantities of specialist equipment required by the technical assistance experts and for the implementation of the epidemiological component of the PACE Programme in East and Central Africa. The equipment shall include vehicles; office, laboratory and field equipment; and consumables. Procurement shall be carried out according to a schedule to be agreed on between OAU/IBAR and EC.

5.2 The Contractor shall follow the following principles when procuring the above goods:

- Origin: EC/ACP member states according to the Lomé IV convention.
- Tax and customs arrangements -see Annex F. Procurement will be done on a tax free/duty free basis according to the Lomé IV convention.
- The procurement of all items above a unit cost of Euro2 500 shall be done on the basis of minimum three quotations to be obtained by the Contractor and to be evaluated by the Contractor and endorsed by the Contracting Authority.
- Goods procured under the terms of this contract will remain property of the Contracting Authority. However, during the course of the performance of this contract the goods procured will be utilised for the strict purpose of the performance of the financing agreement.

5.3 The Contractor will be fully responsible for all import licenses, clearance procedures and other related details, settlement of disputes and processing of claims. The Contractor will be fully responsible for shipment arrangements, e.g. insurance coverage, supervision of transportation and delivery.

5.4 Upon receipt of the goods, the Contracting Authority will be responsible for acknowledgement of receipt.

5.5 Official acceptance by the EC Delegation is necessary for final payment of the goods procured under this contract. The Contractor is responsible for full documentation, accounting and reporting of purchases.

6. MANAGEMENT OF EXPENDITURE

6.1 East Africa

Details of the expenditure to be incurred by the PACE Common Services will be described in the annual work programmes, which shall be agreed by the OAU/IBAR, approved by the Contracting Authority and endorsed by the Head of the Delegation of the European Commission in Kenya.

In East Africa, the consultant's expert will finalize a annual work programme and cost estimate (AWP&CE) in close consultation with the Main Epidemiologist. This will be incorporated in the overall AWP&CE for the PACE Common Services and Co-ordination Units.

6.2 Central Africa

In Central Africa, the Consultant will open an imprest bank account for the sole purpose of managing the funds provided under this contract up to a maximum of Euro 420 000.

The Consultant shall notify the Contracting Authority and the Head of the Delegation of the EC in Kenya of the details of the bank account (name, bank, account number, and signatories). This imprest account shall be used to meet the costs of limited procurement and those of operational activities related to the epidemiological unit in Tchad.

Details of the expenditure to be debited to this imprest account shall be the subject of annual Administrative Orders to be signed by the Consultant and the Contracting Authority, and endorsed by the Head of the Delegation of the EC in Kenya, after signature of the TA contract. For expenditures on works and supplies or equipment, but not staff recurrent costs, the following rules shall apply.

- up to Euro2 500[1], direct purchase (order form sufficient)

- in the case of all purchases or individual expenditure between Euro 2 501 and Euro 10 000, proof shall be provided that a minimum of three quotations, in the form of three proforma invoices, were sought and evaluated by the PACE Programme Co-ordinator and the Consultant, and that the lowest acceptable bid was chosen. This proof shall accompany the supporting documents. Where this is not possible then a reasoned explanation shall be provided by the Imprest Holder, endorsed by the Accountant.

- in the case of all purchases or individual expenditure above Euro 10 000, direct purchase after local bids (restricted invitation to tender), with the endorsement of at least three proforma invoices by the services of the Accountant (the PACE Financial Controller) and the Head of Delegation of the EC in Kenya (a contract must be established, carrying the signature of the Imprest Holder and the supplier);

For the procurement of goods and services of a specialized nature, with limited sourcing possibilities and where competitive procedure is deemed inapplicable, the Regional Authorizing Officer and the Head of the Delegation of the EC in Kenya may authorize direct agreements, subject to the presentation by the Consultant of the relevant justification.

The Consultant is responsible for full documentation, accounting and reporting of purchases. The Consultant will draw up summary sheets of expenditure, by item for the period under consideration, the cumulative expenditure, by item, of the preceding months, the cumulative expenditure to date, and balance available under each heading. The Consultant shall submit accounts and all supporting documents to the Contracting Authority and the Delegation of the EC in Kenya.

7. PROCEDURES FOR SHORT-TERM EXPERTS

The need for short-term experts will be identified by the PACE Programme Co-ordinator in consultation with the Contractor. The PACE Programme Co-ordinator will prepare the terms of reference for each expert in consultation with the Contractor.

The Contractor will present the CVs of three candidates to the PACE Programme Co-ordinator, based on suggestions from the Contractor, the Contracting Authority or the

[1] In the currency of this contract and an equivalent amount at the exchange rate of the contract.

Delegation of the EC in Kenya. Priority may, however, be given to the CVs for short-term experts presented in the tender.

The Contractor will hire the selected short-term experts directly, subject to the prior written approval of the Contracting Authority and the Delegation of the EC in Kenya. The unit rates provided in this contract will be applicable to these short-term experts, who will report directly to the PACE Programme Co-ordinator.

ANNEXE B

Dr. Fatah BENDALI
24, rue de Mantoue
08 000 Charleville-Mézières.
Tel (private) : 06 11 70 25 95
30 years, single

VETERINARY SURGEON
Doctor in Epidemiology

PROFESSIONAL EXPERIENCE

From February 1999 : **Veterinary advisor** to the FRGDS Champagne-Ardenne (Regional Federation of Cattle Sanitary Defence Grouping) in charge of departmental animal health programmes : Varroasis, Paratuberculosis, Salmonellosis, IBR and BVD.

1994-1998 : In the frame of a **PhD** work (Epidemiology and Public Health) on the subject : **"Epidemiology of bovine neonatal gastro-enteritis"** :
Conception and implementation of an epidemiological investigation on 100 bovine herds, co-ordination between veterinary surgeons, Sanitary Defence Grouping, Departmental Veterinary Services and Departmental Veterinary Laboratories in the 8 departments of Midi-Pyrénées region, work in collaboration between the epidemiosurveillance Network "VEGA" (Global and Appiied Veterinary Epidemiosurveillance Network) and Alfort National Veterinary School.

* In charge of **teaching** inside the module : "tools of the scientific reasoning" (Biostatistics, epidemiology and clinical research) at the Alfort National Veterinary School.

* **Epidemiology teacher** at the ESITPA school (High School for engineers and technicians in Agronomy, Val-de-Reuil, France).

* Training :
- July 1997 : "Repeated data analysis in veterinary epidemiology"
- June 1996 : "**Data processing applied to the biomedical sciences**"
- May 1995 : OIE, at the Sanitary Information Service " **Member States International sanitary information management"** .

1993-1994 : In the frame of the Master work
* Study of " **the economical impact of sub-clinical mastitis control methods** in **dairy herds"** : herds follow-up, co-ordination between veterinary surgeons and stockholders and Diagnostic Laboratories with Alfort National Veterinary School.
* Study of "**fertility of the Charolais breed nursing cow".** Field investigations, follow-up and analysis on 50 herds in collaboration the National Union of Artificial Insemination and Breeding Co-operatives).

June 1991 to November 1992 : **Private practitioner**, rural area mainly.

FORMATION

1998 : PhD in Epidemiology (Life Science and Health) (Medicine and Pharmacy Faculty, Besançon University – Alfort National Veterinary School).

1994 : **Master of Science (DEA) in Clinical Epidemiology and Health action evaluation** (Medicine and Pharmacy Faculty, Besançon University – Alfort National Veterinary School).

1993 : **Master of Biological and Medical Sciences** :
Certificate 1 : Statistic methods, modelisation and data processing (Paris Sud XI).
Certificate 2 : Applied statistic to clinical research and epidemiology (Paris Sud XI).
Certificate 3 : Medical Data processing (Paris Ouest V).

1991 : **Veterinary Doctor Diploma** (Veterinary School of Blida – Algeria)

ASSOCIATIVE ACTIVITIES

From 1993 : Participation to the OIE annual sessions in Paris.
Member of the development committee of the World Veterinary Association.

From 1995 : Member of AEEMA (Association for the Study of Animal diseases epidemiology)

From 1995 : Member of ASU (Association for statistics and its users), BIO-VETO group.

OTHER

Data processing :
General software : Office 1998 (Word, Excel, Power-point).
Internet and electronic mail (Netscape, Eudora, Internet Explorer)
Statistics Software : SAS, EPI-INFO, BMDP, EGRET, STATLAB

Language :
French and Arabic : bilingual
English : Good knowledge

Other :
Reading, travel.

PUBLICATIONS

Bendali F., Sanaa M., Leroy I., Mtaallah B., Mialot J-P. "Economic effect of subclinical mastitis control in dairy cattle : observational study in French dairy herds" Epidémiol. Santé anim., 1997, 31-32.

Bendali F., Bichet H., Schelcher F., Sanaa M. "factors associated with diarrhea incidence in beef calves from birth to 30 days of life in the French Midi-Pyrénées region" Epidémiol. Santé anim., 1997, 31-32.

Grimard., C-F. Leroy, C. Ponsart, **F. Bendali**, B. Khireddine. P. Humblmot "Effets d'un traitement de maîtrise des cycles sur la date de vêlage, l'intervalle vêlage-vêlage et la répartition des vêlages chez la vache allaitante de race charollaise" Elevage et insémination 278, Avril 1997.

Bendali F., Bichet H., Schelcher F., Sanaa M. "Pattern of diarrhea in newborn calves in south-west France" Veterinary Research, 30, 1999, 1-14.

Bendali F., Bichet H., Sanaa M., Schelcher F. "Risk factors associated with diarrhea in newborn calves" Veterinary Research (accepted in 1999).

Curriculum Vitae

Personal data

Name	Heinonen, Risto Olavi
Title	Veterinarian, Dr.med.vet.
Date of birth	2nd December, 1942
Place of birth	Turku, Finland
Family status	married, two children
Nationality	Finnish
Present address	OAU/IBAR Maendeleo House, P.O. Box 30786 Nairobi/Kenya, Tel: 254-2-334550, 338544, Fax: 254-2-332046, e-mail: parcibar@africaonline.co.ke

Key qualifications

Extensive experience in

- project management and administration, organisation and co-ordination of team work;
- planning and supervision of epidemiological investigations and assessment of data collections;
- organising and supervising of extension work related to animal farming systems in Africa;
- landuse planning for buffer zone and resource management in connection with pastoral husbandry systems;
- veterinary work with African wildlife, especially related to immobilisation, animal rescue, surgery, treatment and pathology,
- diagnostic laboratory work including gross and histopathology, immunology and serology.

Languages

German, English, Swedish (fluent);
French, Swahili (elementary);
Finnish (mother tongue).

School education

Primary and Secondary schools at place of birth;

University

1966-1969	Preclinical veterinary studies at the Veterinary College in Vienna, Austria.
1969-1971	Clinical veterinary studies at the Veterinary Faculty of the University of Zürich, Switzerland with Bachelor of Veterinary Medicine in May 1971.
1973-1974	Scientific Assistant at the Free University of Berlin for the degree of Dr. Med. Vet. in December 1974.

Further training

1973	Post graduate course in tropical veterinary medicine at the Free University of Berlin.
1983	Diploma in veterinary pathology (Berlin).
1983	Diploma in tropical veterinary medicine (Berlin).
1984	Certificate in adverse drug reactions (Edinburgh).
1985	Certificate in pharmaco-epidemiology (London).
1986	Certificate in clinical trials (London).
1989	Certificate in information management in veterinary and livestock services (Reading).
1994	Certificate in computer based economic assessment of animal production and animal health (Triesdorf).

Professional Experience

05/1971-12/1971	Employed by the Ministry of Agriculture in Finland: - District Veterinary Officer in Turku, - supervision of veterinary hygiene and public health in the import/export harbour of Turku.
01/1972-12/1972	Employed by Sandoz Ltd. in Basle, Switzerland, in the Department of Toxicology, Section experimental Pathology: experimental medical research, including - gross & histopathology, - electron microscopy, - experimental organ transplantation.
01/1973-10/1973	Post-graduate course in tropical veterinary medicine in Berlin: theoretical and practical training in: - tropical animal health and production, - research in avian leukosis viruses for doctorate thesis.
10/1973-03/1974	Scientific assistant with leukosis virus research group at Institute of Poultry Diseases of the Free University of Berlin: - Experimental trials with Rouss sarcoma viruses, - morphological research applying electron microscopy.
04/1974-08/1983	Employed by Deutsche Gesellschaft für Technische Zusammenarbeit (German Agency for Technical Co-operation), GTZ: *04/1974-04/1975 preparatory research work at the Institute for Veterinary Pathology of the Free University of Berlin:* - continuation of research work for doctorate thesis, - conducting tutorials in gross and histopathology. *05/1975-09/1979 adviser in veterinary pathology at the National Veterinary Research Laboratories in Kabete, Kenya:*

- building up and equipping a pathology section at Kabete,
- responsible for post mortem examinations and for the histopathology laboratory,
- responsible for disease outbreak investigations,
- training of counterpart personnel in gross pathology, microscopical examinations and disease outbreak investigations,
- participation in field surveys of wildlife diseases and research work in wild animal pathology,
- organising seminars in pathology of tropical diseases together with ILRAD.

10/1979-09/1983 as Research Officer and Head of the project 'Vaccine Development against Contagious Caprine Mycoplasma Pneumonia (CCPP)' at the National Veterinary Research Laboratories in Kabete, Kenya:

- establishment of a laboratory for the isolation and characterisation of animal mycoplasmas,
- supervision of vaccine trials for CCPP,
- training of counterparts in good laboratory praxis,
- collaboration with the Reference Centre for Goat Mycoplasmas at the University of Århus/Denmark.

11/1983-02/1987

Employed by Hoffmann-La Roche & Co. in Basle/Switzerland, Sub-department Drug Safety of the Clinical Research Department as Senior Clinical Research Scientist:

- section Head of pharmo-epidemiology for adverse drug reactions,
- research group member for phase 0 clinical drug trials (protozoan and bacterial diseases in man).

02/1987-07/1995

Re-employed by the GTZ as Adviser to the Ministry of Agriculture, Animal Industry and Fisheries attached to the Animal Health Research Centre, and Team Leader for the project "Promotion of Veterinary Services" in Uganda:

- refurbishment of the Animal Health Research Center in Entebbe,
- establishment of an Epidemiology Unit with information system for disease reporting and management,
- adviser to the Commissioner of Veterinary Services,
- training of couterpart personnel in epidemiology, serology and protozoology,
- responsible for the project management and administration to the GTZ,

	- launching of the GTZ Project Administration Service (PAS) in Uganda, - organisation and supervision of animal host reservoir monitoring in the EC financed project "*Control of Human Sleeping Sickness in Southeast Uganda*", - establishment of a Collaborative Research Unit for the Free University of Berlin, - supervision of animal health and production surveys in different pastoral and small-holder production systems with economic analysis, - supervision of the vaccine production laboratory at the AHRC, -immobilisation and veterinary care of wild animals in collaboration with Uganda National Parks and Uganda Wildlife Education Centre, - supervision of research related to economics of tick control & gastro-intestinal parasites in collaboration with Makerere University and ILRI.
08/1995-05/1996	Technical Adviser at GTZ Head Office in Eschborn/Germany, within Planning Division for Forest Resources Management, Livestock, Fisheries and Nature Conservation: - projects appraisal for bilateral technical co-operation, - evaluation of ongoing programmes at various stages of execution, - development of strategies for areas within the responsibility of the Division.
06/1996-06/1997	Government Adviser for the Resource Management and Conservation Programme Akagera/PRORENA in Rwanda: - lead in negotiations with the Government regarding demarcation of the Akagera National Park (ANP) for conservation and areas for resettlement of refugees, - advising the Ministry of Tuorism and Environment in landuse planning and nature conservation.
06/1997-to date	Technical Adviser to Inter-African Bureau of Animal Reseources (IBAR) of the Organisation of African Unity (OAU) under direct EC/TA contract: - adviser to the Director, OAU-IBAR, in organising and co-ordinating at the Pan-African level national actions against rinderpest and other epizootic diseases, - assistance to Livestock Services in PARC member countries for the promotion of policy reforms including cost recovery and privatisation, - compilation and analysis of information for impact assessment, follow-up and coherence of actions against desertification, - negotiations with prospective donors for the co-operation with OAU-IBAR,

- assistance to the Commission of the European Union in planning and preparation of projects/programmes that it intens to finance.

Nairobi, 12.05.00,

Dr. Risto Heinonen

ANNEXE C

ANNEX C - PRICE BREAKDOWN

Exchange rates : 1 EURO = 72,9357 KES (national currency)= 6,55957 French Francs

Budget Item	Unit	Quantity	Unit Rates EURO	Total Amount EURO	Unit Rates KES	Total Amount KES
A. Fees						
A.1 Nairobi based epidemiologist (1)	man-months (m-m)	50	12,400.00	620,000.00	904,402.68	45,220,134
A.2 N'djamena based epidemiologist (1)	"	50	12,400.00	620,000.00	904,402.68	45,220,134
A.3 TA Short term	days	120	320.00	38,400.00	23,339.42	2,800,731
Subtotal A				**1,278,400.00**		**93,240,999**
B. Direct Costs						
B.1 Per diems -short term consultants	Days	120	105.00	12,600.00	7,658.25	918,990
B.2 Per diems- Long term TA missions	Days	750	105.00	78,750.00	7,658.25	5,743,686
B.3 Accommodation (including household security) -long-term consultants	Months	100	1,750.00	175,000.00	127,637.48	12,763,748
					-	
B.4 Office running costs	Months	100	150.00	15,000.00	10,940.36	1,094,036
B.5 Vehicle running cost	Months	150	650.00	97,500.00	47,408.21	7,111,231
Subtotal B				**378,850.00**		**27,631,690**
C. Reimbursable						
C.1 Air tickets						
C.1.1 Long-term TA	Provision	25	1,600.00	40,000.00	116,697.12	2,917,428
C.1.2 Short-term TA	Provision	14	1,600.00	22,400.00	116,697.12	1,633,760
C.1.3 Long term TA missions	Provision	72	1,000.00	72,000.00	72,935.70	5,251,370
					-	
C.2 Long-term TA baggage expenses					-	
C.2.1 Air – accompanied	20 kg per expert and per family member	220	26.00	5,720.00	1,896.33	417,192
C.2.2 Air – unaccompanied	200 kg per expert and 100 kg per family member	1500	14.00	21,000.00	1,021.10	1,531,650
C.3 Procurement (2)	provision			81,000.00	-	5,907,792
					-	
C.4 Central Africa Field Operations (2)	provision			420,000.00	-	30,632,994
Subtotal C				**662,120.00**		**48,292,186**
TOTAL CONTRACT				**2,319,370.00**		**169,164,875**

(1) If the qualification of either is less than indicated in the TOR, a 15% discount applies.
(2) Budget to be itemsed by mens of annual adminsitrative orders to be signed by the contractor, the contracting authority, and the EC Delegetion after signature of the TA contract. This includes TA field accomodation.

ANNEXE D

Annex D

The Lomé IV Convention, PART THREE, Title III, Chapter 5, Section 6:

Tax and customs arrangements

Art. 308

The ACP States shall apply to contracts financed by the Community tax and customs arrangements no less favourable than those applied by them to the most-favoured States or international development organisations with which they have relations. For the purpose of determining the most-favoured-nation treatment, account shall not be taken of arrangements applied by the ACP State concerned to other ACP States, or to other developing countries.

Art. 309

Subject to Art. 308 above, the following shall apply to contracts financed by the Community:

(a) the contract shall not be subject in the beneficiary ACP State to stamp or registration duties or to fiscal charges having equivalent effect, whether such charges already exist or are to be instituted in the future; however, such contracts shall be registered in accordance with the laws in force in the ACP State and a fee corresponding to the service rendered may be charged for it;

(b) profits and/or income arising from the performance of contracts shall be taxable according to the internal fiscal arrangements of the ACP State concerned, provided that the natural or legal persons who realise such profit and/or income have a permanent place of business in that State, or that the performance of the contract takes longer than six months;

(c) enterprises that must import professional equipment in order to carry out works contracts shall, if they so request, benefit from the system of temporary admission as laid down by the national legislation of the beneficiary ACP State in respect of the said equipment;

(d) professional equipment necessary for carrying out tasks defined in a service contract shall be temporarily admitted into the beneficiary ACP State or States in accordance with its national legislation free of fiscal, import and customs duties and of other charges having equivalent effect where these duties and charges do not constitute remuneration for services rendered;

(e) imports under supply contracts shall be admitted into the beneficiary ACP State without customs duties, import duties, taxes or fiscal charges having equivalent effect. The contract for supplies originating in the ACP State concerned shall be concluded on

the basis of the ex-works price of the supplies, to which may be added such internal fiscal charges as may be applicable to those supplies in the ACP State;

(f) fuels, lubricants and hydrocarbon binders and, in general, all materials used in the performance of works contracts shall be deemed to have been purchased on the local market and shall be subject to fiscal rules applicable under the national legislation in force in the beneficiary ACP State;

(g) personal and household effects imported for use by natural persons, other than those recruited locally, engaged in carrying out tasks defined in a service contract and members of their families, shall be exempt from customs or import duties, taxes and other fiscal charges having equivalent effect, within the limit of the national legislation in force in the beneficiary ACP State.

Art. 310

Any matter not covered by the provisions of Arts 308 and 309 shall remain subject to the national legislation of the ACP State concerned.

With reference to the above

1. Expatriate personnel of the company (other than nationals and permanent residents of Kenya) shall be exempt from personal income tax in Kenya.

2. Expatriate personnel of the company (other than nationals and permanent residents of Kenya) shall be entitled to exemption from payment of customs duties and other taxes on imports in respect of personal effects including one motor vehicle per household within 6 months of their arrival in Kenya. Provided however that such personal effects and the motor vehicle shall, at the completion of the contract, be re-exported or be disposed of locally subject to existing rules and regulations.

3. No customs duties and other taxes on imports shall be paid on professional equipment temporarily imported by the expatriate personnel of the company (other than nationals and permanent residents of Kenya) for the purpose of carrying out their duties.

4. The Administration shall pay on the behalf of the company income tax on income derived from the company's activities under this contract, in compliance with the relevant income tax law of Kenya.

ANNEXE E

Annex E

MODEL OF BANK GUARANTEE FOR
PAYMENT OF ADVANCES
(EDF Service contracts)

Accounting n° of project :

Invitation to tender n° :

To : (name and address of the Contracting Authority).

Whereas (name and address of Contractor), hereinafter called "the Contractor", has been awarded with Services Contract N° ...., hereinafter called "the Contract";

and whereas it has been stipulated in the Contract that the Contractor shall furnish you with a bank guarantee for the sum specified therein as security for the full amount of the advance payment which is payable after the conclusion of the Contract;

and whereas we, the undersigned (name and address of the Bank), have agreed to give the Contractor a bank guarantee :

Therefore we hereby guarantee as primary obligor and not merely as a surety, on behalf of the Contractor, the payment to you, without contestation and upon receipt of your first written demand, of any sum or sums up to the total of (amount of the advance), representing ... % of the amount of the Contract.

This guarantee shall become effective and operative on receipt of the advance payment on the account of (Contractor's name) at (Bank, branch and address), account N° ...

We take note that in accordance with article 34.7 of the General Conditions for Service Contracts financed by the European Development Fund, the guarantee shall be released as and when advances are repaid.

Any request to pay under the terms of the guarantee must be countersigned by the Delegate of the Commission of the European Communities in the State of the Contracting Authority.

The law and the jurisdiction applicable to the guarantee shall be that of (ACP or EEC Member State where guarantee is issued).

BANQUE NATIONALE DE PARIS

RELEVE D'IDENTITE BANCAIRE
-CADRE RESERVE AU DESTINATAIRE DU RELEVE-

CIRAD EMVT

CAMPUS INTERNATIONAL BAILLARGUET
BP 5034
MONTFERRIEZ SUR LEZ
34032 MONTPELLIER CEDEX 1

DOMICILIATION
B.N.P. MONTPELLIER

CODE BANQUE	CODE GUICHET	NUMERO DE COMPTE	CLE RIB
30004	00640	00010044308	86

SWIFT= BNPA FR PP MPL