

Standard Phare Project Fiche

1. Basic information

1.1 Desiree Number: RO 2002/000-586.04.06

1.2 Title: Surveillance, prevention, diagnosis and control of animal diseases, and alignment with the acquis in the field of animal nutrition
(Strengthening the administrative capability of the competent veterinary authority for the surveillance, prevention, diagnosis and control of the animal diseases, (including border veterinary control procedures) and taking over the community acquis in the field of animal nutrition)

1.3 Twinning: RO02/IB/AG/01 Animal nutrition (Development and strengthening of the administrative capacity to take over and implement the community acquis in the field of animal nutrition) Duration: 18 months, Budget: 1.2M€

1.4 Sector: Agriculture, Sanitary Veterinary and Zootechnical Field

1.5 Location: Romania, Ministry of Agriculture, Food and Forest (M.A.F.F.)
National sanitary Veterinary Agency (N.S.V.A.)

2. Objectives

2.1 Wider objectives:

Alignment of Romanian administrative and technical capabilities and procedures used for surveillance, prevention, diagnosis and control of animal diseases and of those necessary for the border veterinary control with those of the European Union. Develop and strengthen the Romanian administrative capacity within the MAFF with a view of taking over and implementing the European Union aquis on animal nutrition.

2.2 Project purpose:

- Consolidation and development of certain administrative and technical capabilities in order to survey, prevent and monitor TSE with the view of protecting animal and public health.
- To continue alignment diagnostic tests and standards according to EU requirements and implementing the molecular epidemiology field in veterinary diagnosis.
- Setting up, development and modernisation of necessary infrastructures, equipment and personnel training, according with EU legislation in BIPs control procedures on imports at the future external borders.
- Developing and strengthening of the animal breeding sector's capacity to take over and implement the community acquis in the field of animal nutrition, with the

aim to elaborate and implement sector policies in compliance with the EU requirements.

2.3 Accession partnership and NPAA priority:

Short term priorities:

- Capabilities improvement at central and regional level with the view of assuring the compliance with European Union legislation and its appropriate implementation in Romania, especially concerning the improvement of surveillance, prevention and eradication of animal diseases and of residues surveillance (Council Regulation 2001/999/EC, Commission Decision 2001/9/EC, Commission Decision 2001/95/EC, Council Directive 90/667/EEC, Commission Decision 99/534/EC, Commission Decision 97/735/EC).
- Creating and strengthening of the capabilities at central and regional level for implementing molecular epidemiology specific procedures in surveillance and diagnosis of animal diseases, continuing of endowment with equipment of the laboratory of 3rd degree biosafety.
- Romanian veterinary check procedures alignment with EU legislation in the field of import control and necessary facilities achievement in BIPs
- Even if the animal nutrition sector is not included as a priority in the AP, the project will support the elaboration and approval of legislation in compliance with the EU laws in the field of artificially dried fodder (Regulation CEE No.603/1995. During the bilateral screening exercises, the Commission concluded that the issue related to the taking over of the acquis on animal nutrition should be considered as one of Romania's agriculture priorities related to the EU accession.

Medium term priorities:

- Consolidation of veterinary capability of taking over the Community aquis, especially regarding continuous alignment with EU requirements on surveillance and diagnosis and introduction of efficient rapid laboratory tests used in veterinary laboratories.
- Consolidation of veterinary capability to take over the Community aquis by continuous alignment with EU requirements regarding diagnosis capabilities and tests used in veterinary laboratories.
- Veterinary checks at the external borders - continuing endowment with control, communication, transport and IT equipment, for BIPs.
- Contribution to the implementation of the "Government Programme" for animal breeding sector, through the organisation of an adequate system for animal nutrition compliant with EU requirements.

2.4 Contribution to National Development Plan

Not applicable.

2.5 Cross Border Impact

Not applicable.

3. Description

3.1 Background and justification

Background

Competent central veterinary authority of Romania is the National Sanitary Veterinary Agency (N.S.V.A.) organised as a direction within the Ministry of Agriculture, Food and Forest. Under the Agency technical subordination there are the central specialised institutes, the Bucharest and county sanitary veterinary directions and the border sanitary veterinary inspection inspectorates.

State sanitary veterinary services are organised as a pyramid with central, county and local levels.

At central level N.S.V.A. is organised into 3 specialised directions (Animal Health Direction, Hygiene and Public Health Direction, Veterinary Inspection and Control Direction).

At the central level there are also 3 national veterinary institutes subordinated to the N.S.V.A., as follows:

- Institute for Diagnosis and Animal Health,
- Hygiene and Veterinary Public Health Institute,
- Institute for Biological Products and Veterinary Intended Drugs Control.

Institute for Diagnosis and Animal Health includes in its structure:

- Direction for Diagnosis and Animal Health,
- Border Sanitary Veterinary Directions,
- Direction for European Integration, Legislative Transposition, International Programs and Relations,
- Finance Direction.

At county level and Bucharest respectively, the veterinary activity is co-ordinated by the county and Bucharest, respectively, veterinary authority represented by the Sanitary veterinary Direction. For each county and for Bucharest there is a Sanitary Veterinary Direction. Within the structure of the county and Bucharest respectively sanitary veterinary direction there are services representing the veterinary administration and the county sanitary veterinary laboratory.

At the local level, the competent veterinary authorities are:

- sanitary veterinary circumscription in which concessionaire veterinary doctors are working having the competencies of an official veterinary doctor,
- sanitary veterinary circumscription for animal origin food control.
these are organised within the counties and in Bucharest as territorial units subordinated to the county sanitary veterinary directions.
- border inspection posts.

The competent authority in the zootechnical field is the Direction for Strategies and Policies in the Animal Breeding Sector within M.A.F.F. A "Product Office" was set up within the Direction for Strategies and Policies in Animal Breeding. This Product Office is responsible with the implementation of the monitoring policy related to animal livestock, animal production and market. At the county level, within the county

general directions for agriculture and food industry there are directions for animal breeding, which co-ordinate the animal breeding and reproduction activities, implement and monitor the development policy and strategy for this sector. As well, it promotes the strategy regarding the fodder use and marketing.

Justification

For an efficient application of TSE surveillance and monitoring, the Romanian veterinary services act within their own organisational structure and in correlation with other existing structures in order to transpose and implement the EU legislative requirements on TSE into the Romanian legislation in a similar way as in EU. This continuous activity takes into consideration the concordance with the Community legislation laying down TSE surveillance and prevention rules, the specific measures aiming to protect animal and public health, as well as the aspects regarding import, export and transit of live animals, animal origin products, other products (cosmetics, drugs, raw materials used for the production of above mentioned products and certain medical instruments), medicated feeds, feedstuffs. There is also taken into account a series of factors, which could affect animal health status regarding TSE.

The application of control measures is achieved through the implementation of the National Contingency Plan for TSE of ruminants.

In Romania there is functioning the national network of state laboratories for TSE with a national reference laboratory (within the Institute for Diagnosis and Animal Health) acting as a national centre for fighting against these diseases and 15 zonal laboratories acting as local centres for fighting against TSE (within the 15 county sanitary veterinary directions).

This network performs the TSE passive and active surveillance for bovines in Romania and for imported bovine also.

An important objective is the monitoring of bovines aged over 30 months, including within slaughterhouses.

The Romanian veterinary system has not implemented yet the molecular biology and molecular epidemiology fields in its usual activity. For the moment only Institute for Diagnosis and Animal Health has equipment suitable for using molecular biology tests in veterinary diagnosis, equipment obtained by previous PHARE Program RO 98 04 03 02 L/1.

This program enforced Romanian veterinary diagnosis capacity providing also to five county sanitary veterinary laboratories from Bucuresti, Constanta, Iasi, Timisoara and Cluj basic equipment for improving the level of veterinary diagnosis according to essential methodologies recommended by EU Manual for Standard Tests and Vaccines.

For the moment Romania is in position to apply EU recommended tests excepting those of molecular biology. For being able to implement the last ones in current activities in Romanian laboratories, eight county state veterinary laboratories need to be equipped with specific equipment for molecular tests: Suceava, Satu-Mare, Arad, Constanta, Calarasi, Brasov, Braila, and Iasi.

These regional laboratories covering the whole territory of Romania have a strategic role in the country's animal health surveillance network and need to be strengthened for being able to work with the EU recommended molecular biology confirmation tests of List A and B diseases.

All these tests will allow our country to use in current veterinary diagnosis the international recommended standards tests and to record the traceability of pathogens that are inducing infectious diseases in animals. Adopting these procedures Romania will be able to become an efficient control factor of diseases entrance from high epidemiological risk areas considering the strategic position of our country as a main corridor between Central Europe and Middle East.

The necessity to equip future BIPs (Constanta, Albita, Siret, Halmeu, Otopeni, Stamora Moravita, Sculeni) with communication, transport and IT equipment, and to achieve infrastructures and facilities necessary for a real implementation of veterinary legislation as regards veterinary checks at BIPs

The nearest veterinary laboratories (IDAH, Constanta, Bucuresti, Suceava, Iasi, Vaslui, Satu Mare si Timis) make possible a rapid and well-done diagnosis, including for residues.

IT Network link BIPs between them and BIPs with NSVA as regards permanent monitoring of BIPs activities and rapid information. This Network will be ready to be integrated in National veterinary network when will be necessary.

Modernisation of BIPs means, finally, to create a veterinary point of control for all tips of approved consignments coming from Third Countries

The animal –breeding sector is an important branch of agriculture, which involves animal breeding, nutrition, amelioration and protection activities.

Analysing animal movement in the last 5 years we can notice a numeric decrease for all species, as a result of the dismantling of the state units and as following the transfer of agricultural lands from state to private property.

At the same time, we experience an increase in terms of quality and quantity of the production obtained per animal head.

In 2001 the livestock is presented as follows: bovines - 2950 thousand heads, sheep and goats - 8400 thousand heads, pigs 5050 thousand heads and poultry 72000 thousand heads.

Out of the agriculture area, the fodder base represents 1100 thou hectares of arable land and 4.9 million hectares of natural pasturelands (pasture lands 3.4 mil. hectares + hayfields 1,5 mil. hectares). It is foreseen that this surface will produce more than 50 million tonnes green fodder equivalent. The great potential of the pasture field favours the development of the animal breeding sector in Romania.

The total production estimated for 2001 is of more than 14 million tons of cereals. Out of this quantity, about 8 million tonnes are necessary for animal feeding (barley, rye, maize).

The MAFF considers vital to develop a Phare project in the field of animal nutrition, because, up to now, there is no legal framework for the monitoring of the harmonisation with the acquis communautaire.

3.2 Linked activities

All Community legislation in force on TSE was transposed into national legislation by the elaboration of 8 (eight) sanitary veterinary norms covering all area of incidence of this legislation. The sanitary veterinary norms have entered the official approval legislative process and will be implemented as minister orders or government decisions. The present legislative frame and that which will become official assure

the implementation of certain specific measures for surveillance, prevention and fighting against TSE similar to those implemented at Community level.

Within the PHARE project RO 9804 03 02 01 funds were allocated for buying laboratory equipment for Institute for Diagnosis and Animal Health and for other 5 state sanitary veterinary laboratories within the county sanitary veterinary directions. The scope of this project was the alignment of the procedures on animal health surveillance and of the diagnosis standards with the requirements in the specific Community legislation in 6 reference laboratories recognising and diagnosing the diseases in the OIE A list and other epidemic animal diseases.

In the said project 6 contracts were concluded in order to buy equipment for certain laboratories within both the Institute for Diagnosis and Animal Health and state sanitary veterinary laboratories in Bucharest, Iasi, Constanta, Timisoara and Cluj. Equipment was delivered.

Technical assistance was given in order to set, within the Institute for Diagnosis and Animal Health, a laboratory of maximum security for diagnosis procedures relating to high risk pathogens.

PHARE Program 98.04.03.02.01. will be followed with PHARE 00.06.11

In PHARE Program 98.04.03.02.01. 5 (five) BIPs were equipped with communication, transport and IT equipment. The same Program ensured necessary control, including physis, equipment for imported products for human consumption and other products than human consumption. PHARE RO 00.06.11. assure equipment for imported live animals and products and IT equipment.

It was approved a Technical Assistance program for a study project and a financial study for the veterinary check point (terminal) in the BIP.

The results of this program will be used by Romanian Authorities in the future projects and investments in the BIPs.

According to the national development strategy for agriculture between 2001 and 2004, the animal breeding sector will experience an annual growth rate of 3,6%. The objectives related to the animal breeding sector will be achieved, also, through the enforcement of the Farm Law (108/2001), of the Animal breeding Law (72/2002), through animal identification for all species, as well as through the application and compliance with the Strategic Development Programme for the animal breeding sector on short and medium term.

A Government Decision No.54/17.01.2002, was elaborated in 2002, regarding direct state support, through grant of subsidies in 2002, to the agricultural producers in the animal sector, for the increase of meat production and animal livestock.

In accordance with the Animal Breeding Law (Law 72/2002) the animal nutrition activity refers to:

- production, harvesting, storage, preservation, processing and valorisation of fodder plants;

- fabrication, marketing and use of combined fodder as well as of other fodder preparations from the domestic production or from import, intended for animal nutrition;
- production and use of fodder bio-preparations;

Law 72/2002 underlines the fact that the activity related to the control of combined fodder production and of fodder preparations is performed through the official inspection executed by specific units, approved by the MAFF.

The approval of the Animal Breeding law will be followed by a series of norms jointly elaborated by the MAFF and MHF, which will establish the quality and cleanness parameters to be complied with in case of fodder intended for animal nutrition.

Development of the animal breeding sector will be sustained through the enforcement of the Farm Law, which foresees a gradual increase of the number of farms with, for example, have more than 50 heads of fattening bulls, as well as through a series of specific measures.

All these norms as well as the Government Decision drafts that will follow, have as aim to set up a legal framework harmonised with the EU Regulations, among which: stimulate artificially dehydrated fodder production and corresponding market (flour and grains); produce, use, transport and marketing of the combined fodder.

3.3 Results

The foreseen results related to this project, can be structured in 4 modules:

- Module A - TSE Control (TSE surveillance, prevention and monitoring);
- Module B - Veterinary Diagnosis Tests and Standards (Molecular epidemiology);
- Module C - Border Veterinary Inspection (Sanitary-Veterinary Border Inspection Post);
- Module D - Twinning: Animal nutrition (Transposing the Acquis in the field of animal nutrition).

Module A - TSE Control (TSE surveillance, prevention and monitoring)

- Setting up a national TSE surveillance network in the whole Romanian territory and for all the concerned species.
- Introduction of fast tests and the necessary facilities for carrying out these tests in order to achieve an early, specific and fast TSE diagnosis.
- Training the specialised staff in order to implement the fast TSE surveillance methods.
- Assurance of traceability for live animals in relation to their products, as regarding EST.
- Veterinary services in Romania shall be able to guarantee the quality of bovine and small ruminants meat intended for human consumption, as regarding protection from TSE.

These results shall facilitate the implementation of some correlated measures, as follows:

- Implementation of some specific measures on animal health protection against TSE, concerning the ruminants feeding, rendering and processing of the carcasses, collecting and processing of animals waste;
- Implementation of some measures regarding public health protection by setting up a labelling system for beef and veal meat, by eliminating specific risk materials, by eliminating the risk bovine offal, by prohibiting the mechanic recovery of bovine meat .

Module B - Veterinary diagnosis tests and standards (Molecular epidemiology)

- Procurement of molecular biology equipment for Institute for Diagnosis and Animal Health and for the 8 veterinary laboratories covering the whole territory of Romania;
- Instalment of required equipment;
- Training of staff in using the purchased equipment;
- Training and internships for laboratories staff in modern laboratory techniques and methods; preference should be given for training in similar laboratories from Member States.

Module C - Border veterinary inspection (Sanitary-Veterinary Border Inspection Post)

- Harmonisation of veterinary control procedures at BIPs as regards import from Third Countries
- Training for Romanian official veterinarians with responsibilities in import controls in BIPs
- Training for Romanian veterinary working in state veterinary laboratory, regarding with the tips of analysis and the methods apply for imported live animals and products.

Module D – Twinning - Animal nutrition (Taking over the Communautaire Acquis in the field of animal nutrition)

These results will be achieved through common work of the Romanian and MS experts.

- Animal nutrition policy formulation capacity of the MAFF and the General Directions for Agriculture and Food Industry and the Animal Breeding Offices strengthened and in line with the acquis.
- Animal feeding activity compliant with the EU quality standards assured and the production performances for all animal species increased.
- Possibilities for a competitive foreign trade in fodder compliant with the community standards created.
- 60 staff trained on developing policies for quality improvement of the animal-breeding sector. These persons will be trained in the elaboration of animal breeding and nutrition policy. As well, the trained staff will be able to perform an assessment of the impact of the policy enforcement and to monitor the policy implementation at local level

3.4 Activities:

Module A - TSE control (TSE surveillance, prevention and monitoring):

- Acquisition of diagnosis kits in order to carry out fast tests related to TSE. The said kits must be approved by the Community reference laboratory and by the Commission taking into account SANCO indications as regard to their costs.
- Acquisition of necessary equipment for completion the facilities necessary to carry out the fast tests for TSE surveillance and fast diagnosis.
- Training, within Community reference laboratories, of the specialists as regard the TSE surveillance and diagnosis techniques by fast tests, including use of diagnosis kits and equipment.
- Elaboration of the project to set up the second grade of bio-security for the TSE laboratory within the Institute for Diagnosis and Animal Health.
- After the end of the PHARE support, the laboratories are responsible for covering their own operational costs (kits, etc.)

Module B - Veterinary diagnosis tests and standards (Molecular epidemiology)

- Implementing the molecular biology techniques in current veterinary diagnosis in IDAH and regional laboratories, for having the capacity to detect, diagnose and eradicate diseases according to EU Manual for Standards Tests.
- National reference laboratory (Institute for Diagnosis and Animal Health) and 8 counties diagnosis laboratories, strengthened (equipped to perform test in accordance with EU molecular biology requirements); this way Romania will be in position of having the certitude of veterinary certifying in the control and the surveillance of animals circulation considering the future border of European Union and the traceability analysis of different pathogens that induce various diseases in animals will be accomplished according to European regulations;
- Development of a diseases monitoring programme in accordance with the acquis communautaire;
- Training for laboratories staff in modern laboratory techniques and methods successfully completed.

Module C - Border veterinary inspection (Border Inspection Posts)

- Continuous training for BIPs Romanian veterinary personnel in MS BIPs
- Continuous training for Romanian veterinary personnel involved in laboratory controls of imported live animals and products

Module D – Twinning - Animal nutrition (Transposing the Acquis in the field of animal nutrition)

All activities will be implemented through common work of the Romanian and MS experts.

- Setting up of a legal framework compliant with the EU legislation; a special attention will be paid to the setting up of a national legal framework in compliance with the provisions of the Council Directive 90/167/EEC of 26 March 1990, which stipulates the conditions for the preparation, placing on the market and use of

fodder in the Community and of Council Directive 96/25/EC in 1996, regarding fodder circulation.

- Setting up of a legal framework compliant with the EU legislation; a special attention will be paid to the setting up of a national legal framework in compliance with the provisions of the Council Directive 90/167/EEC of 26 March 1990, which stipulates the conditions for the preparation, placing on the market and use of fodder in the Community and of Council Directive 96/25/EC in 1996, regarding fodder circulation.
- Elaborating the animal-breeding sector policy in general, and the animal nutrition sector strategy in particular;
- Realisation of the Training Needs Analysis(TNA); Provision of support for the elaboration of the Terms of Reference corresponding to the training for the management and administration of the institutions responsible for fodder production on the process of taking over the EU legislation and on elaboration of sector policies in compliance with the EU requirements (Council Directive 95/53/EC of 1995, establishing the principles underlying the organisation of the official inspection in the animal nutrition sector);
- Provision of support to the Romanian authorities for them to be able to take part in the regional and international co-operation on improvement of animal health, safety and welfare.
- Inventory and assessment of fodder production (volume and concentrates) and establishing of measure for a better animal feeding.

3.5 Learned lessons

Continuous harmonisation of the Romanian sanitary-veterinary sector with the EU directives and regulations.

4. Institutional framework

The project implementation agency is C.F.C.U., and the implementing authority is the National Sanitary Veterinary Agency within M.A.F.F. The General Direction for European Integration is responsible for the general co-ordination and implementation of PHARE assistance at the level of M.A.F.F. (Ministry of Agriculture, Food and Forest).

National Sanitary Veterinary Agency will be the principal responsible for the technical implementation of project.

MAFF is the national authority responsible for the animal breeding sector policy, including for the legislation amendments and for the establishment of systems. In the animal breeding sector, the MAFF elaborates the strategy and policy for the animal-breeding sector, through the General Direction for Strategies and Policies in the Animal Breeding Sector. This Direction takes part in the formulation of financial support programmes for the increase of quantity and quality of fodder, which ultimately leads to the improvement of the end product quality.

As well, this Direction within the MAFF proposes itself to promote legal acts compliant with the EU legislation for the stimulation of animal breeding production

through the superior use and diversification of the internal production, and through the promotion of competitive internal and external market.

The specific policy and the legal amendments will be performed within a Working Group to be set up, including representatives of the General Direction for Strategies and Policies in the Animal-Breeding Sector, of the Product Office, of universities, research institutes and representatives of the Phytosanitary Direction within the MAFF.

In the territory, the DGAIAs, through their Animal Breeding Departments, co-ordinate the animal breeding and animal reproduction activities.

As well, the DGAIAs implements the animal breeding policy and strategy, as well as the strategy for efficient use of the fodder.

5. Detailed budget:

	PHARE Support					
	Investment Support	Institution Building	Total PHARE (=I+IB)	National Co-financing	IFI	Total
Twinning		1.20	1.20			1.20
Training		1.10	1.10			1.10
out of which:						
Module A		0.20	0.20	-		0.20
Module B		0.30	0.30	-		0.30
Module C		0.30	0.30	-		0.30
Module D		0.30	0.30			0.30
Laboratory equipment	4.70		4.70	1.566		6.266
out of which:						
Module A	2.20		2.20	0.733		2.933
Module B	2.50		2.50	0.833		3.333
Total	4.70	2.30	7.00	1.566		8.566

6. Implementation Arrangements

6.1 Implementing Agency

CFCU –Ministry of Finance
36-38, Mendeleev Street, 4th Floor, Sector 1, Bucharest
Mrs. Jeana BUZDUGA
General Director

Implementing Authority
National Sanitary Veterinary Agency within the Ministry of Agriculture, Food and Forests 24, Carol I Boulevard, Sector 3, Bucharest.

Direction for Strategies and Policies in Animal Breeding within the Ministry of Agriculture, Food and Forests 24, Carol I Boulevard, Sector 3, Bucharest.
Ministry of Agriculture, Food and Forests, Phare Programme Implementing Unit/PIU
No. 17, Carol I Blvd., sector 3, Bucharest
Phone: +40 1 311 12 98
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e-mail: piuagr@kappa.ro

6.2 Twinning

The Romanian Project Coordinator is Mr Gheorghe NEATA– General Director, General Direction for Strategies and Policies in the Animal Breeding Sector.

Romanian Project Coordinator: Mr Gheorghe NEATA
Position: General Director, Direction for Strategies and Policies in the Animal Breeding Sector
Tel/fax: 00 401 / 313 62 22

The PAA Counterpart is Mr. Gheorghe REMAN , Director, Direction for Strategies and Policies in the Animal Breeding Sector, MAFF
Position: Director
Tel/fax: 00 401 / 314 71 96

The Evaluation Committee, nominated by Ministry Order, will participate to the interviews conducted with the Member States and will assess the offers, selecting the Member State which will carry out the implementation of this project and will negotiate the Twinning Covenant with this MS (within a maximum period of 3 months). The PAA counterparts will source from the personnel of the Direction for Strategies and Policies in the Animal Breeding Sector. The office accommodation and facilities will be available in the MAFF headquarters, respectively in the offices allocated to the Direction for Strategies and Policies in the Animal Breeding Sector.

Profile of the PAA

The PAA will be a public officer, with relevant experience in the animal breeding sector, respectively in the field of animal nutrition, in a Member State. He/She will be a zootechnic engineer, with extensive knowledge on animal nutrition acquis and with proved experience in law and policy administration in this field. A track record in developing and restructuring of institutions will be considered to be an asset. Communication skills and working as a team player constitute an advantage.

He/She must have experience in law enforcing systems, in the field of animal nutrition, in EU. One of the requirements refers to the ability to co-ordinate a team of experts as well as multi-functional activities.

He/She must be able to establish contacts with EU experts, with other sector organisations in the field and with the EU institutions in general.

The Twinning project will have a duration of 18 months. A PAA will be seconded to the Direction for Strategies and Policies in the Animal Breeding Sector for a period of at least 12 months. Short-term assistance will be provided for taking over different

regulations and directives in the field of animal nutrition. The twinning is foreseen to start in June 2003.

Commitment:

The Romanian partner will provide:

- Adequate human resources to implement the twinning project together with the twinning partner;
- All the facilities that are necessary for the smooth implementation of the twinning (office, computer, printer, telephone, access to internet, etc.);
- Funds to cover any travel costs of the Romanian authorities in the context of training or seminars or study visits, if any.

6.3 Non-standardised Aspects

Within this project, funds are required for purchasing kits for the BSE tests. The only kits that can be used given the existing laboratory equipment are the BIORAD kits, as in Romania is applied the ELISA testing method. Standard PHARE procedures do not apply for the purchase of these kits.

The general manager of the N.S.V.A. shall delegate the responsibility to the N.S.V.A. and to the subordinated institutions with a view to prepare the technical specifications for the equipment that is to be acquired according to the investment budget. PO (Project Officer), on behalf of the ministry, shall have the responsibility of making available funds to national contribution before the actual implementation of the project. Reference terms, twinning covenant and auction file shall be prepared by PIU on the basis of technical inputs supplied by the N.S.V.A. PIU within M.A.F.F. shall administer the contracts. Contact: phone: PIU-40.1/311.12.98; fax-40.1/311.02.76; e-mail: piuagr@kappa.ro

6.4 Contracts

Within this Project, the following contracts will be signed:

Contract 1 – Twinning Convention, with a value of 1.2Meuro

Contract 2,3,4 and 5: Training, with a total value of 1.1 Meuro. Separate contracts will be signed for each module

Contract 6,7: Acquisition of laboratory equipment, with a total value of 4.7 Meuro. Separate contracts will be signed for each Module A, B and for the items therein

The contract will be concluded in compliance with the provisions of the Twinning Manual (for the twinning component) and with the Practical Guide Provisions (for the investment component).

7 Implementation Schedule

7.1 Start of tendering/call for proposals

January 2003 or the date of signing of Financing Memorandum 2002, whichever is the first

7.2 Start of project activity

April 2003

7.3 Project completion

December 2005

8 Equal Opportunity

The selection of other personnel that is to work in the project shall be based on the objective evaluation of his/her qualifications no matter the sex.

9 Environment

Not applicable.

10 Rate of return

Not applicable.

11 Investment criteria

11.1 Catalytic effect

Module A – By the endowment of some laboratories with equipment enabling the carrying out of some rapid tests for TSE surveillance and diagnosis, Romanian veterinary authorities shall be able to fulfil the additional guaranties required in Community legislation for both animal and public health protection in a way similar to the procedures applied in Member States.

Module B - Strengthening the molecular epidemiology capacity in veterinary diagnosis in National Reference Laboratory and 8 state regional veterinary laboratories, Romania will be in position of having the certitude of veterinary certifying in the control and the surveillance of animal circulation as well as the traceability analysis of different pathogens that induce animal diseases will be accomplished according to European regulations.

Module C – Alignment of the veterinary legislation to the inspection procedures on imports of live animals and products at the future external borders shall ensure, before of the accession moment, the necessary conditions to agree the BIPs without to be necessary the solicitation of derogation.

Module D - Harmonisation and implementation of the legislation in the field of animal nutrition, in compliance with the EU requirements, as well as the elaboration of strategies and policies in the field, will ensure the alignment of Romania to the UE requirements from the legal point of view and allow the implementation of the CAP.

11.2 Co-financing

Romanian authorities commit themselves, beginning the signing of the Financing Memorandum, to provide for the necessary co-financing funds in view of this project operation.

By implementing the new veterinary legislation that transposes into Romanian legislation the specific Community legislation that has been already transposed (Directive 85/73/CEE with amendments), additional sums from taxes and tariffs from veterinary activities will be collected, which can be used for carrying out the specific activities of the project.

The association of meat producers from Romania may contribute to the additional co-financing system by the financial support for carrying out the specific veterinary TSE correlated measures (for ex. sampling)

11.3 Additionality

Not applicable

11.4 Project readiness and size

National Sanitary Veterinary Agency as national authority and project beneficiary will elaborate all the technical analysis necessary for the support of project contracting in correlation to the requirements related to the size of the project.

11.5 Sustainability:

The investments that are to be carried out as a result of the project have a long feasibility term, implicitly beyond the date of accession. Whereas these investments shall be carried out according with EU norms and standards, they shall ensure the adequate implementation of the Community acquis in direct correlation to the sector policies within the common agricultural policy.

The investments that are to be carried out have not negative effects on the environment.

The results obtained by the implementation of this project will be continued and consolidated by supporting from the state budget of some specific actions that ensure the maintenance and the operation of the implemented systems for a long period of time.

11.6 Compliance with the state aids provisions

Not applicable

11.7 Contribution to National Development Plan

Not applicable

12 Conditionality and sequencing

12.1 Equipment acquisition is possible provided the provisions concerning the national co-financing.

12.2 Training activity is possible provided the availability of laboratories' personnel named for carrying out these activities.

ANNEXES TO PROJECT FICHE

1. Logical framework matrix in standard format (compulsory)
2. Detailed implementation chart (compulsory)
3. Contracting and disbursement schedule by quarter for full duration of programme (including disbursement period) (compulsory)
4. Reference to feasibility /pre-feasibility studies. For all investment projects, the executive summary of the economic and financial appraisals, and the environmental impact assessment should be attached (compulsory)
5. List of relevant Laws and Regulations (optional)
6. Reference to relevant Government Strategic plans and studies (may include Institution Development Plan, Business plans, Sector studies etc) (optional)

ANNEX 1: LOGICAL FRAMEWORK

Surveillance, prevention, diagnosis and control of animal diseases, and alignment with the acquis in the field of animal nutrition <i>(Strengthening the administrative capability of the competent veterinary authority for the surveillance, prevention, diagnosis and control of the animal diseases, (including border veterinary control procedures) and taking over the community acquis in the field of animal nutrition)</i>		Contracting period expires: 01/09/2003	Disbursement period expires: 31/12/2005
		Total budget: 8.566 MEURO	Phare budget: 7.0 MEURO
Overall objective	Indicators of Achievement	Sources of Information	
<ul style="list-style-type: none"> • Alignment of Romanian administrative and technical capabilities and procedures used for surveillance, prevention, diagnosis and control of animal diseases and of those necessary for the border veterinary control with those of the European Union. • To develop and to strengthen the Romanian administrative capability with the view of taking over and implementation of the European Union aquis on animal nutrition. 	<ul style="list-style-type: none"> • Transposition of Community legislation governing problems on TSE in Romanian veterinary legislation • Identification of the specific provisions laid down by the new veterinary legislation transposed on the surveillance and diagnosis actions regarding TSE in view of ensuring the human and animal health • Strengthening and development of the specific institutional structures for surveillance and diagnosis regarding animal TSE • Assurance that the TSE surveillance and diagnosis procedures are conform whit that laid down by the Community legislation already transposed in Romanian legislation • Monitoring list A and B diseases according to EU regulations. <p>The foundation of some veterinary</p>	<ul style="list-style-type: none"> • National Program Adopting the Community Acquis • Accession Partnership • White Paper regarding the preparation of the Central and Eastern European countries for accession to European Union • Snagov Declaration • The Treaty establishing a association between the European Communities on the one hand and Romania on the other hand (The European Treaty) • The Commission country reports from 1998, 1999, 2000, 2001 • The European Commission Monitoring Report regarding the registered progresses by associated third countries 	

ANNEX 1: LOGICAL FRAMEWORK

	<p>prognosis programmes.</p> <ul style="list-style-type: none"> • achievement of veterinary checks, applied to the live animals and products coming from Third Countries according with veterinary checks at the entering in territories of MS • Harmonized legislation on animal nutrition published in Romanian Official Journal 	<p>applied to accession to EU</p> <ul style="list-style-type: none"> • National Strategic Programme for animal diseases surveillance, control and prophylaxie. • Official Journal of Romania 	
Project purpose	Indicators of Achievements	Sources of Information	Assumptions
<ul style="list-style-type: none"> • Strengthening and development of some technical and administrative capacities for TSE surveillance, prevention and monitoring in view of animal health and public health protection • To continue alignment diagnostic tests and standards according to EU requirements and implementing the molecular epidemiology field in veterinary diagnosis. • Setting up, development and modernization of necessary infrastructures, equipment and personnel training, according with EU legislation in BIPs control procedures on imports at the future external borders. 	<ul style="list-style-type: none"> • Legalization of National Surveillance Network on animal TSE by Forests, Food and Agriculture Ministry order • Legalization of National and Regional Centres for faith against TSE as National Authority through which the Sanitary Veterinary National Agency achieves the surveillance and diagnosis actions of animal TSE, drawing up and coordination of the National Contingency Plan for animal TSE by Forests, Food and Agriculture Ministry order • Official recognition of the National Surveillance Network on animal TSE by the Commission veterinary services • Accreditation of the National 	<ul style="list-style-type: none"> • Official Journal of the European Communities • EUR-LEX • VET-LEX • Bilateral screening activities • Instruction actions realised by TAIEX - European Commission with the veterinary staff of associated countries • EU Standard Operations Procedures and GLP practices introduced in romanian legislation. • NSVA reports regarding achievements in implementation of EU procedures in the field of veterinary checks in BIPs 	<ul style="list-style-type: none"> • Availability of the governmental resources for the carrying out of National Surveillance Network on animal TSE and maintenance of the trained staff • Cooperation between the state veterinary services and other governmental or private structures (PROTAN, slaughters, feeding stuff and protean meal types manufacture establishments) for implementing of some specific measures provided by Community legislation already transposed in Romanian legislation on animal health and public health protection

ANNEX 1: LOGICAL FRAMEWORK

<ul style="list-style-type: none"> - Developing and strengthening of the animal breeding sector's capacity to take over and implement the community acquis in the field of animal nutrition, with the aim to elaborate and implement sector policies in compliance with the EU requirements. 	<p>Reference Laboratory on animal TSE</p> <ul style="list-style-type: none"> • Complete implementation of the legislation Community provisions on TSE surveillance and diagnosis already transposed in national legislation • Continuing of endowment with equipment for National Reference Molecular Biology Laboratory and setting up the national network of 8 labs equipped for this field of activity. • The foundation of epizootic measures including those ones necessary to be applied along the borders. • Using the EU dedicated softwares for molecular epidemiology and phylogenetic analysis. • The study of phylogenetic relationships between related populations or species. • Veterinary checks carry out at BIPs, according with EU procedures • legal framework adopted in compliance with the EU requirements • strategies and sector policies elaborated and implemented 	<ul style="list-style-type: none"> • Official Journal of Romania 	<ul style="list-style-type: none"> • Research projects regarding traceability studies for animal diseases inducing pathogens that Member States are interested in. • Collaborations with national and international institutes considering relationships between human and veterinary populations. • Cooperation with all competent authorities in Romanian BIPs integrated management
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Results	Indicators of Achievements	Sources of Information	Assumptions
Module A <ul style="list-style-type: none"> • Setting up a national TSE surveillance network in the whole Romanian territory and for all the concerned species. • Introduction of fast tests and the necessary facilities for carrying out these tests in order to achieve an early, specific and fast TSE diagnosis. • Training the specialized staff in order to implement the fast TSE surveillance methods. • Assurance of traceability for live animals in relation to their products, as regarding EST. • Veterinary services in Romania shall be able to guarantee the quality of bovine and small ruminants meat intended for human consumption, as regarding protection from TSE. These results shall facilitate the implementation of some correlated measures, as follows: • Implementation of some specific measures on animal health protection against TSE, concerning the ruminants 	Module A <ul style="list-style-type: none"> • Establishing of the TSE surveillance and diagnosis regional laboratories number relating to the ruminant livestock that must be tested in accordance with the Community legislative provisions already transposed in national veterinary legislation, so that all Romanian territory to be efficient covered • Dimensioning of the areas from the Romanian territory distributed to every of these laboratories • Inventory of the existing ruminants in these zones • Identification of the animal categories that are subject to the testing for TSE surveillance and diagnosis accordingly of the Community legislative provisions already transposed in national veterinary legislation • Dimensioning of the sample numbers that shall be tested for TSE at Institute for Diagnosis and Animal Health (IDAH) and in every regional laboratory that shall use the kits and equipments achieved through the project 	Module A <ul style="list-style-type: none"> • Partial and final reception notes for the acquisition of equipments used to carry out the TSE animal surveillance and diagnosis rapid methods • Training certifications obtained by the specialists at the courses followed to facilitate and carry out the implementing of TSE animal surveillance and diagnosis rapid tests 	Module A <ul style="list-style-type: none"> • Cooperation with another reference Community laboratories and institutions • Cooperation with national laboratories from associated countries • Cooperation with Romanian institutions that belong to another ministries (Family and Health Ministry, Research and Technology Ministry) regarding the utilisation of the research results in the TSE domain

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<p>feeding, rendering and processing of the carcasses, collecting and processing of animals waste;</p> <ul style="list-style-type: none"> • Implementation of some measures regarding public health protection by setting up a labeling system for beef and veal meat, by eliminating specific risk materials, by eliminating the risk bovine offal, by prohibiting the mechanic recovery of bovine meat. <p>Module B</p> <ul style="list-style-type: none"> • Purchase of equipment for molecular biology field at national and regional level. • Installing and reception of required equipment. • Training of people in using the installed equipment. 	<ul style="list-style-type: none"> • Drawing up of the collecting program in view of the performing TSE surveillance and diagnosis test. • Establishing of the number of specialists that shall use the TSE surveillance and diagnosis kits and equipments that shall be achieved through the program • Evaluation of the necessary of kits and equipments that shall be distributed to every regional laboratory and IDAH for the carrying out of adequate animal testing official covered in the testing program accordingly to the Community legislative provisions • Evaluation of the eventual confirming program of positive and uncertain samples by the National Reference Laboratory from IDAH • Estimation of the import animals that shall be tested on basis of the cool media of imported ruminants volume from the last three years <p>Module B</p> <ul style="list-style-type: none"> • Functioning of installed equipment in accordance with technical specifications. • Using the equipment for running the EU agreed molecular tests by 	<p>Module B</p> <ul style="list-style-type: none"> • Finally and partially receptions certifications for the required equipment. • Training certificates from EU laboratories for trained people. <p>Module C</p> <ul style="list-style-type: none"> • NSVA monitoring and reports regarding achievements in legislative harmonization according 	<p>Module B</p> <ul style="list-style-type: none"> • Collaborations with EU international reference laboratories for different diseases diagnosis. • International ring-tests between romanian and EU reference laboratories. <p>Module C</p> <ul style="list-style-type: none"> • others national institution support for veterinary legislation implementation
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<p>Module C</p> <ul style="list-style-type: none"> • Veterinary checks procedures complete harmonized with EU legislation in import control • Training for Romanian veterinary working in state veterinary laboratory, regarding with the tips of analysis and the methods apply for imported live animals and products <p>Module D</p> <ul style="list-style-type: none"> • Strengthen the capacity of the MAFF and decentralised institution, respectively General Directions for Agriculture and Food Industry - Animal Breeding Offices, to formulate policies in compliance with the requirements of the acquis communautaire, in the animal nutrition sector. • Assure an animal feeding activity compliant with the EU quality standards and increase the production performances for all animal species. • Possibility to create a competitive foreign trade in fodder compliant with the community standards. • Training of staff and reinforcement of the MAFF 	<p>trained staff. Number of trained people in molecular tests used in veterinary diagnosis.</p> <p>Module C</p> <ul style="list-style-type: none"> • number of BIPs operating at EU standards • number of laboratories operating similar with EU laboratories involved in imported live animals and products tests • number of veterinary officials trained in imports checks at the BIPs • number of laboratory veterinarians trained in the tips of samples and laboratory methods for imports control • physical achievement of BIPs network 	<p>with existing time table</p> <ul style="list-style-type: none"> • final acceptance reports for equipment • NSVA reports as regards Network achievement and special necessary Soft • attestation for Romanian specialists trained in BIPs and laboratories in MS <p>Module D</p> <ul style="list-style-type: none"> • quarterly and final report submitted by the twin MS. 	<p>in the field of BIPs control at the external borders</p> <ul style="list-style-type: none"> • cooperation with specialized institutions in IT Network and software • Romanian veterinarians trained in MS BIPs • Romanian veterinarians trained in MS laboratories <p>Module D</p> <ul style="list-style-type: none"> • Trained people within the project, working in the Direction for Strategies and Policies in Animal Breeding Sector; • Adoption and enforcement of the taken over legislation on animal
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capacity, at central and regional level, with the aim to develop efficient policies, directed towards the development and quality improvement of the animal-breeding sector.	Module D <ul style="list-style-type: none"> • elaboration of a national policies for the animal nutrition field, according to the EU requirements • drafting of relevant legislation in the field of animal nutrition, in compliance with EU regulations • key personnel from MAFF trained to elaborate and enforce sector policies 		nutrition;
Activities	Means		Assumptions
Module A <ul style="list-style-type: none"> • Acquisition of diagnosis kits for carrying out rapid tests afferent TSE. • Acquisition of necessary equipments for the completion of the equipment for carrying out rapid tests for TSE surveillance-identification. • Specialists training concerning usual techniques of TSE surveillance and diagnosis by rapid tests, including utilization of diagnosis Kits and equipments, within Community 	Module A <ul style="list-style-type: none"> • Elaboration of technical specifications for the kits to be acquired taking account of their conditioning of specific Community legislation and SANCO legislation concerning the costs of these kits • Elaboration of technical specifications for the equipments that are to be acquired with a view to carrying out rapid tests for identification • Correlation of technical parameters of the equipments for TSE surveillance and identification 		Module A <ul style="list-style-type: none"> • Cooperation with Community Reference Institutes and National Reference Institutes in view of updating of the information in the TSE surveillance and diagnosis domain • Participation of the TSE Romanian National Reference Laboratory and national laboratories to the inter-laboratory testing system established

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<p>reference laboratories.</p> <p>Module B</p> <ul style="list-style-type: none"> Improving and implementing at national and regional level the molecular biology procedures including the strenghtening of national reference laboratory 	<p>with quality and performance criteria of acquired kits that are to be used.</p> <ul style="list-style-type: none"> Correlation of equipment level and Kits necessary for TSE surveillance and diagnosis by rapid means of detection with examination necessity of the all ruminants categories (bovine, ovine, goats) that must be submitted to examination according to Community legislation that has been already transposed in national veterinary legislation. Drawing up of the legislative base to establish and develop the TSE surveillance and diagnosis national network in view of its legalisation Availability of the necessary spaces for placing the adequate equipments in view of carrying out of some working productivity parameters corresponding to the performances of these equipments Availability of the specialised staff that shall use the kits and equipments procured Drawing up of the Terms of reference for training actions of the staff qualified to use the achieved kits and equipments 		<p>between TSE Community national laboratories</p> <ul style="list-style-type: none"> Maintenance of the trained staff to use the TSE surveillance and diagnosis kits and equipments <p>Module B</p> <ul style="list-style-type: none"> Co-operation with other international EU institutes
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<p>and setting up the national network of regional laboratories.</p> <ul style="list-style-type: none"> • The alignment of diagnostic tests and standards for monitoring list A and B diseases in accordance with EU regulations. • Training for laboratories staff for standardised molecular tests in similar laboratories of Member States. <p>Module C</p> <ul style="list-style-type: none"> • Continuous training for BIPs Romanian veterinary personnel in MS BIPs • Continuous training for Romanian veterinary personnel involved in laboratory controls of imported live animals and products <p>Module D</p> <ul style="list-style-type: none"> • Technical Assistance for the institutional development, in order to elaborate the animal-breeding sector policy in general, and the animal nutrition sector strategy in particular; 	<p>Module B</p> <ul style="list-style-type: none"> • Technical specifications for the requested equipment. • Dedicated areas for installing and functioning of the requested equipment. • Terms of Reference for training the laboratories staff in EU laboratories. <p>Module C</p> <ul style="list-style-type: none"> • elaboration of technical specifications • veterinary personnel working in BIPs available for training • veterinary personnel specialized in laboratory tests (animal health, public health) available for training <p>Module D</p>		<p>and laboratories for updating scientific information.</p> <ul style="list-style-type: none"> • Maintaining of the spaces and trained people in the project defined system. <p>Module C</p> <ul style="list-style-type: none"> • preliminary and preparatory activities assured by PHARE 2000, and implementation of results <p>Module D</p> <ul style="list-style-type: none"> • Maintaining trained people within the MAFF; • Adoption by the Parliament of the drafted laws
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<p>Within this activity, a special attention will be paid to the setting up of a national legal framework in compliance with the provisions of the Council Directive 90/167/EEC of 26 March 1990, which stipulates the conditions for the preparation, placing on the market and use of fodder in the Community and of Council Directive 96/25/EC in 1996, regarding fodder circulation.</p> <ul style="list-style-type: none"> • Training for the management and administration of the institutions responsible for fodder production, in compliance with the EU legislation – Council Directive 95/53/EC of 1995, establishing the principles underlying the organisation of the official inspection in the animal nutrition sector; • Inventory and assessment of fodder production (volume and concentrates) and establishing of measures for a better animal feeding; 	<ul style="list-style-type: none"> • Twinning Covenant • Available personnel from the Direction for Strategies and Policies in Animal Breeding Sector, for training activities 		<ul style="list-style-type: none"> • Availability of resources to put in practice the strategies and policies in the field.
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ANNEX 2: DETAILED TIME IMPLEMENTATION CHART FOR PROJECT NUMBER RO 2002/000-586.04.06

SURVEILLANCE, PREVENTION, DIAGNOSIS AND CONTROL OF ANIMAL DISEASES, AND ALIGNMENT WITH THE ACQUIS IN THE FIELD OF ANIMAL NUTRITION (*"Strengthening the administrative capability of the competent veterinary authority for the surveillance, prevention, diagnosis and control of the animal diseases, (including border veterinary control procedures) and taking over the community acquis in the field of animal nutrition"*)

	2002						2003												2004												2005																	
calendar months	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D						
activities																																																
Twinning							D	D	C	C	C	C	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I																		
Training Module A									D	D	C	C	C	I	I	I	I	I																														
Training Module B										D	D	C	C	C	I	I	I	I																														
Training Module C							D	D	C	C	C	C	I	I	I	I																																
Training Module D									D	D	C	C	C	C	I	I	I	I	I																													
Laboratory equipment Module A							D	D	C	C	C	C	I	I	I	I	I	I	I	I	I	I	I	I																								
Laboratory equipment Module B							D	D	C	C	C	C	I	I	I	I	I	I	I	I	I	I	I	I																								
	D = Design C = Contracting I = Implementation																																															

ANNEX 3: CUMULATIVE CONTRACTING AND DISBURSEMENT SCHEDULE (MEURO 10)

Title:" Surveillance, prevention, diagnosis and control of animal diseases, and alignment with the acquis in the field of animal nutrition" (Strengthening the administrative capability of the competent veterinary authority for the surveillance, prevention, diagnosis and control of the animal diseases, (including border veterinary control procedures) and taking over the community acquis in the field of animal nutrition)												
	31/03/03	30/06/03	30/09/03	31/12/03	31/03/04	30/06/04	30/09/04	31/12/04	31/03/05	30/06/05	30/09/05	31/12/05
CONTRACTED		6.5	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
Twinning		1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Training Module A			0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Training Module B			0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Training Module C		0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Training Module D		0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Laboratory equipment Module A		2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
Laboratory equipment Module B		2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
DISBURSEMENT			1.5	3.2	5.1	6.5	6.8	7.0	7.0	7.0	7.0	7.0
Twinning			0.2	0.4	0.6	0.8	1.0	1.2				
Training Module A					0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Training Module B				0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Training Module C			0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Training Module D					0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Laboratory equipment Module A				0.7	1.4	2.2	2.2	2.2	2.2	2.2	2.2	2.2
Laboratory equipment Module B			1.0	1.5	2.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5

ANNEX 3: CUMULATIVE CONTRACTING AND DISBURSEMENT SCHEDULE (MEURO 10)

NB: 1. *All contracting should normally be completed within 6-12 months and **must** be completed within 24 months of signature of the FM.*
2 . *All disbursements **must** be completed within 36 months of signature of the FM.*