Standard Summary Project Fiche

1. Basic information

1.1. CRIS Number: 2004/016-925/01-06

Twinning: LT/2004/AG /06

1.2. Title: Strengthening of the capacities for administration and control system of the plant origin production

1.3. Sector: Agriculture and Fisheries

1.4. Location: State Plant Protection Service, State Plant Variety Testing Centre, State Seed and Green Service

2. Objectives

2.1. Overall Objective: The overall objective of this **1.606 MEUR** project, of which **0.142 MEUR** are provided as national co-financing, is to strengthen the administrative and technical capacities of the institutions responsible for administration and control system of the plant origin production

2.2 Project Purpose

With a view of strengthening the administrative and technical capacities of the institutions responsible for the administration and control system of the plant origin production, the project purposes are as follows:

- To strengthen the administrative and control capacities of State Plant Protection Service via training of SPPS specialists and inspectors in phytosanitary research and plant protection, creation of databases for accumulation and management of plant protection data and establishment of warning models;
- To ensure effective functioning of plant variety testing, registration and plant variety identification system via completing the upgrading of the Lithuanian State Plant Varieties Testing Centre (thereinafter – Centre), plant varieties testing stations (thereinafter -.Stations) and Plant Varieties Quality Testing Laboratory (thereinafter – Laboratory);
- To strengthen the administrative and technical capacities of State Seed and Grain Service under the Ministry of Agriculture via improving of quality control systems of certification and marketing of plant propagation material according the EU requirements.

2.3 Justification

Comprehensive Monitoring report on Lithuania's preparations for membership states:

- the *Aquis* for plant protection products has been transposed but the amendments remain to be adopted.

National Programme for the Adoption of the Acquis (NPAA).(2003-2005) defines that under the chapter 3.7.4.2-S9 "Providing the Lithuanian State Plant Variety Testing Centre Stations with requested technical equipment enabling them to perform the testing of plant varieties" (2004-2006).

3. Description

3.1 Description of Sector and Justification

State Plant Protection Service under the MoA (SPPS component)

The State's Plant Protection Service (SPPS) is the official plant protection organization in Lithuania as defined in the International Plant Protection Convention (IPPC). It is responsible for the drawing up of the national plant protection legislation and its enforcement, in particular in matter of plant health control at import and national surveillance including eradicative measures against the organisms harmful for the plants and plant products.

The implementation of the policies on plant protection is an important function of the Plant Protection Division of SPPS. The supervising of distribution and use of Plant Protection Products (PPPs) was the responsibility of the agronomists accountable to county governors. Therefore, in order to strengthen the implementation of plant protection policies the functions of the agronomists (currently on temporary attachment to the SPPS) have been transferred to the SPPS on 31st October 2002 and the SPPS assumed the sole responsibilities for this area.

There are strict demands to reduce the use of pesticides in European agriculture in order to reduce any human or environmental hazards. Seeking to act in accordance with EU standards and to implement the requirements of Article 17 of Council Directive 91/414/EEC, Lithuanian Government established the system according which the official plant protection inspectors must:

- Ensure observation of high standards of human health and environment protection via control over the marketing, storage and use of plant protection products;
- Communicate information on various plant protection products;
- Collect and submit to data on the usage of plant protection products the SPPS.

SPPS will implement the requirements stated in Annex 3 Article 9 of the "Common rules for direct support schemes under the common agricultural policy and establishing certain support schemes for farmers" and will seek to ensure effective management of the results of using plant protection products, control of production labeling, placing on the market, using of sprayers. For effective management of inspection results SPPS needs to establish unified computerized accounting management system.

According EC Directive 91/414/EC SPPS each year must submit to European Commission Annual Report on post registration control of plant protection products. The establishment of effective and fast data management system, accessibility and safety is necessary. Successfully performed project will help to implement all the EU requirements as soon as possible and in the best way.

State Plant Varieties Testing Centre (SPVTC component)

The Centre is an official authority responsible for new plant varieties protection and plant varieties listing in Lithuania. In order to be able to perform the functions and comply with the requirements provided for in the Law on Seed Cultivation of the Republic of Lithuania (Off. Journ., 2001, No. 102-3625) and Law on Plant Variety Protection of the Republic of Lithuania (Off. Journ, 2001, No. 104-3701), prepared according to EU Council Regulation No. 2100/94/EC "On Community Plant Variety Rights", an Order of the Minister of Agriculture "Confirmation on Regulation of the List of Most Suitable Plant Varieties for Lithuania" (thereinafter the National List) (Off. Journ, 2002, No. 109-4830), based on EU Council Directive No. 2002/53/EC "On the Common Catalogue of Agricultural Plant Species" (June 13, 2002) and the Council Directive No. 2002/55/EC "On the Marketing of Vegetable Seed". According to the above mentioned Laws and the Order of the Minister of Agriculture, any plant variety could be protected or accepted into the National List and, after accession to the EU Common Catalogues of plant varieties.

After the date of accession the Centre shall notify forthwith the European Commission and the other Member States in accordance with paragraph 1 of article 10 of the EC Directive concerning the Common Catalogue of agricultural plant species (EC2002/53) about any application or withdrawal of an application for acceptance of a variety, any entry in a catalogue of varieties as well as any amendment. The National Programme for the Adoption of the *Acquis* (NPAA).(2003-2005) defines that under the chapter 3.7.4.2-S9 "Providing the Lithuanian State Plant Variety Testing Centre Stations with requested technical equipment enabling them to perform the testing of plant varieties" (2004-2006).

The stations of the Centre have performed the tests for 550-650 nationally or foreign bred varieties of plants of more than 60 species and established their Value for Cultivation and Use (thereinafter VCU). Tests for particular species of plants are performed at the stations in Kaunas, Pasvalys, Plungė, Utena, Šilutė and Vilnius, which are located in different climatic zones. Vegetable, fruit and ornamental plant varieties are tested in the specialized stations in Kaišiadorys, Rietavas and Vilnius. The total number of experimental plots planted by tested varieties is 2,000-2,500 plots per year. Depending on a crop, the testing period takes two or three years. On the basis of test results, the National Variety List of Lithuania is set up, similar to the national plant variety lists or catalogues of EU Member states.

The Centre and Stations should be able to duly perform the tests of varieties bred by Lithuanian and foreign breeders and establish their VCU together with the performance of distinctness, stability and uniformity (thereinafter DUS) tests in the future, to create all preconditions for the effective system which would include also thorough plant variety testing and identification. To achieve this goal, it is necessary to enhance the knowledge of Stations specialists and raise their qualifications at identical institutions of the EU Member States (organize study visits for 12 specialists divided into two specialized groups).

At present trials data processing, estimation, comparison and monitoring, storing and publishing is manual work. The Centre does not have a computer program for processing test data from field estimations into reports to the experts, State Board on Evaluation of Plant Varieties, owners of the varieties and other data recipients, preparing and publishing official bulletins. Therefore, there is a clear need to develop a modern data processing and storing program and the network between all Stations and the Centre to ensure more modern, efficient and effective work, also to train specialists to use this program in practice.
The results of the field tests are completed by quality analyses in the laboratory. The Laboratory of the Centre performs chemical analysis to evaluate the quality of plant varieties (cereals, potato, sugar and fodder beet, perennial grasses, corn, etc.) in terms of their feed and food value. However, since the Laboratory has almost obsolete technical facilities it cannot produce highly reliable data in this respect and significant investment is necessary.

State Seed and Grain Service under the MoA (SSGS component)

State Seed and Grain Service under the Ministry of Agriculture (hereinafter – State Seed and Grain Service) is an authorized institution by the Law on Seed Cultivation (Governmental News, 2001, No. 102-3623) to certify agriculture crop, vegetable, seed potatoes and fruit plant propagating material and issue quality proving certificate. The State Seed and Grain Service implements the State's policy in the field of seed cultivation and assures competence in implementation of law and legal acts related to seed cultivation. The Service has 6 divisions in main office and 4 branches located in Kaunas, Klaipėda, Panevėžys and Šiauliai (130 employees work at Service).

Following Council Directives regulates certification and marketing of propagating material in EU: 2002/54/EC on the marketing of beet seed, 66/401/EEC on the marketing of fodder plant seed,

66/402/EEC on the marketing of cereal seed, 2002/56/EC on the marketing of seed potatoes, 2002/57/EC on the marketing of seed of oil and fibre plants, 2002/55/EC on the marketing of vegetable seed, 92/34/EEC on the marketing of fruit plant material and fruit plants intended for fruit production, 98/56/EC on the marketing of propagating material of ornamental plants, 92/33/EEC on the marketing of vegetable propagating and planting material, other than seed. Lithuanian legal acts on seed cultivation are prepared according requirements of EC Directives and it gives possibilities to create the certification schemes of seed and plant propagating material according the EC requirements in Lithuania.

Service conducts post – control tests in order to determine that the characters of cultivars have remain unchanged in the process of multiplication and enable that the trueness to cultivars and varietals purity of individual pre-basic and basic seed lots are verified. Quality analysis division of State Seed and Grain Service determines the quality of seed and plant propagating material. International Seed Testing Association (ISTA) accredited Quality analysis division (former – Laboratory) in 1993. Quality analysis division issues International Seed Certificates since 1994. International Seed Certificates are acceptable in EU and it gives a possibility to export certified seed to other countries with such certificates.

It is important to implement the rules for detection of virus and quality diseases in seed potatoes and fruit plant propagating material in order to improve the certification of seed potatoes and fruit plant propagating material. Certified seed in Lithuania sows recently just 10 – 12 percent of agriculture area. For this reason is important to consolidate the administrative ability and technical capacities of State Seed and Grain Service under the Ministry of Agriculture as Service does not have enough capabilities to guaranty the implementation of EU legal acts in seed cultivation sector.

The labels are required for labelling of certified propagating material. Suppliers obtain labels by themselves at the moment and State Seed and Grain Service is lacking enough capacities necessary to control the amount of labels. This does not fit the EC requirements, as quality assurance system of certification process is violated.

It is important to implement the rules for detecting virus and quality diseases in contaminated plants in order to improve the certification of seed potatoes and fruit plant propagating material. The laboratory equipment is required for detection of virus. Presently available equipment is outdated and does not fit the requirements for the implementation of the above-mentioned activities.

3.2. Linked activities

SPPS component:

- The upgrading of plant protection system was started with benefiting from Phare 2000 project LT0004-02 “Strengthening and enforcement of EU food control system”. The investment part of this project contributed to modernisation of the Agrochemical Research Centre for control of PPPs after authorisation. 4 specialists of plant protection were trained in Germany in the field of toxicology, ecotoxicolgy and chemistry.
- Improvment of legal basis for post-registration control is foreseen as one of the activities of Phare Project No. 2003.004-341.02.04 “Strengthening the Implementation of Policies and Procedures on Plant Protection and Plant Variety Identification”.
- Phare assistance was complemented by the support received from the bilateral projects with Nordic countries: the Swedish project concerning the *Implementation and Adoption of Swedish Forecasting and Warning Methods for Plant Protection in Lithuania*; the *Introduction of Test Procedures for Field Sprayers and Improvement of the Plant Protection Certificate in Lithuania 1999/2000* received bilateral Danish assistance.

- Practical training for plant protection inspectors on the implementation of phytosanitray EU Acquis requirements as well as the administration and management of implementing structures operating in plant protection field is planned for Twinning Light project in 2004 .

SPVTC component:

The Centre, as one of the beneficiary institutions of the Phare project No 2003.004-341.02.04 "Strengthening the Implementation of Policies and Procedures on Plant Protection and Plant Variety Identification" will receive support in obtaining modern technical equipment for trials, enabling it to duly perform the tests of plant varieties.

The Transition Facility project "Strengthening of the Capacities for Administration and Control System of the Plant Origin Production" will focus on the practical training of the specialists in VCU and DUS testing and will start the implementation of a computer program for modern plant variety testing data processing and storing.

SSGS component

No projects have been implemented in this area before.

3.3 Results

Twinning
SPPS component

- Training for Phytosanitary Research laboratory stuff and inspectors of SPPS provided on the following issues:
    - new methods of phytosanitary research;
    - performance of a risk assessment of plant protection products according EU standards;
    - usage of the models for forecasting of spread of horticulture and vegetable growing pests and diseases;
    - distinguish between parallel and non-parallel products based on the analytical data of plant protection products.
- Evaluation, classifying and decision-making concerning imported plant protection products in the country is carried out.
- Specialists advised on summarizing plant protection data and preparation of reports

SPVTC component

- Practical training of the Centre and Stations specialists (12 persons) for performance tests of DUS and VCU (2 different groups according to different plant species) organised;
- Laboratory specialists (4 persons) for the performance of laboratory analyses trained;

SSGS component

- 2 Specialists trained to conduct the herbage, oil and vegetable seed lots in Post – control tests
- 8 Inspectors trained in performance inspection of seed potatoes;
- Quality analysis division stuff (3 person) trained in performance laboratory quality tests of potatoes seed and fruit plant propagating material;

Technical assistance (Service)

SPPS component

- Computer programs and data bases for management of plant protection data created;

SPVTC component

- Modern plant variety test data processing and storing program established;
- Specialists of the Centre and Stations to work with a new program trained;

SSGS component

- Necessary computer programme for data collection and management of date bases of agriculture crop and vegetable, seed potatoes and fruit plant propagating material certification systems created and relevant training provided.

Supply

SPPS component

- Meteorological stations, computer software for data processing like MET9WIN or with similar possibilities procured and installed;
- Warning models established for horticultural plant diseases and pests and its implementation in Lithuania using warning equipment;

SPVTC component

- Hardware necessary for creation of the registration and plant variety identification system provided;
- Laboratory equipped with the necessary equipment.

SSGS component

- Quality analysis division equipped with necessary technical equipment;

3.3 Activities

The project will be implemented by one Twinning arrangement with the SPPS as the main Lithuanian partner organization, three TA service contracts and one open international supply contract.

Twinning package

Scope of the Twinning

One 1,5 year Pre-Accession Adviser (PAA) (18 p/m) providing general management and institutional support to the State Plant Protection Service under the MoA, State Plant Variety Testing Centre and State Seed and Grain Service under MoA consultations on various levels (improvement of staff qualification, legal adjustments, administrative procedures).

General profile of the PAA: university degree in agricultural science (agronomy, plant protection or similar) 5 year of experience in key sectors of agricultural activities, project management experience, fluency in English (written and spoken).

Assistance of Short Term Experts:

SPPS component

STE experts (approx.7 p/m) will provide:

- advise, training and elaboration of training plan for the stuff of separate phytosanitary fields;
- training for Phytosanitary Research Laboratory staff to use new methods of phytosanitary research and pest risk analysis.
- training in assessment of analytical chemical data of parallel trade products comparing them with the analytical results of the authorized plant protection products.
- training of specialists from Plant Protection Division in risk assessment of plant protection products according EU guidelines and available EU models.
- training specialists in use of models for forecasting of spread of horticulture and vegetable growing pests and diseases.
- training for specialists on the usage of meteorological stations.

Experts profile:

Expert in plant protection.
- will be responsible for training and elaboration of training plan,
- will advice the senior stuff of SPPS for elaborating training plan and training needs for the stuff of separate phytosanitary fields.

Profile. Experience in relevant field of activities, broad knowledge of EU plant protection legislation. Good spoken and written English. Computer literacy. Experience of work in Phare project will be an asset.

Expert in phytosanitary research
- will train SPPS staff on new methods of phytosanitary research and pest risk analysis.

Profile. Experience of practical implementation of phytosanitary research, pest risk analysis. Good spoken and written English. Computer literacy. Experience of work in Phare project will be an asset.

Expert in data analysis
- will train SPPS staff in practical comparing of assessment of analytical chemical data of parallel trade products with the analytical results of the authorized plant protection products.

Profile. Broad knowledge of EU plant protection authorization system. Practical experience in assessment of analytical chemical data management and authorization of plant protection products. Good spoken and written English. Computer literacy. Experience of work in Phare project will be an asset.

Expert in assessment of plant protection products.
- will train specialists from Plant Protection Division in risk assessment of plant protection products according EU guidelines and available EU models.

Profile. Practical experience in relevant field of activities, broad knowledge of EU plant protection legislation. Good spoken and written English. Computer literacy. Experience of work in Phare project will be an asset.

Expert in forecasting.
- will train specialists of SPPS in practical use of models for forecasting of spread of horticulture and vegetable growing pests and diseases.

Profile. Practical experience in relevant field of activities, broad knowledge of EU plant protection legislation. Good spoken and written English. Computer literacy. Experience of work in Phare project will be an asset.

Expert in usage of meteorological stations.
- will train plant protection specialist on the usage of meteorological stations.
Profile. Practical experience in using or supervising meteorological stations, collecting of data. Good spoken and written English.

Expert in statistics.
-will advice the staff of SPPS on summarizing plant protection data and preparation of reports.
Profile: Practical experience of collection and processing of statistical data on use of plant protection products. Good spoken and written English. Computer literacy. Experience of work in Phare project will be an asset.

SPVTC component

STE (approx. 2 p/m) will provide assistance in field of plant varieties testing as follows:

- Practical training of the Centre and Stations specialists for performance tests of DUS and VCU (2 different groups according to different plant species) in EU;
- Assistance o on practical training for performance tests of VCU in Lithuania;
- Assistance of expert for training specialists for plant varieties protection in Lithuania;
- Organising the study tour for specialists of the Laboratory for performance laboratory analyses

Experts profile:
- *Good knowledge of the EU legislation on plant variety registration and protection.*
- *Practical experience in the perfomance DUS and VCU tests of plant varieties in the EU MS (at least 5 years)*
- *Good knowledge of spoken and written English.*
- *Good knowledge and practical experience in implementation of the data processing computer programs and establishing networks in plant variety testing and registration system.*

SSGS component

Assistance of-STE (aprox. 3 p/m) is requested as follows:
- Advice and training in performance laboratory quality tests of seed potatoes and fruit plant propagating material;
- Advice and training of herbage, oil and vegetable seed lots in Post – control tests;
- Management of date base of agriculture crop and vegetable, seed potatoes and fruit plant propagation material certification systems.

Experts profile:

- university degree in agricultural science (agronomy, plant protection or similar)
- 5 year of experience in sectors of certification of seed potatoes, Post – control tests,
- fluency in English (written and spoken).

Operating environment of the Twinning

The SPPS will be the main counterpart institution for the Twinning project. To ensure smooth operations, it will provide office accommodation and the usual office equipment to the project.

The beneficiaries will contribute to covering the expenses of training events in Lithuania and of local travel.

Technical assistance

Service contract 1 for SPPS
– development of 3 computer programs for management of data bases of plant protection. A different programme is needed for establishment of each data base for control of: certificates of plant protection courses, of sprayers certificates, of permits for trade of plant protection products. The staff of the SPPS will be trained to use created programs.

Service contract 2 for SPVTC
- development of IS for processing and registration of plant variety testing data.

Service contract 3 for SSGS
- creation of computer programs for collection and management of date bases of agriculture crop and vegetable, seed potatoes and fruit plant propagating material certification systems and label printing of certified plant propagating material.

Investment part

One Supply tender will be organized. There will be two LOT's reflecting the needs of the beneficiaries (see Annex 4)

4. Institutional Framework

The Project will be co-ordinated by the Ministry of Agriculture of Lithuania (thereinafter - MoA), which is the recipient institution and responsible for formulating agriculture policy. The Project will support key elements of the current agricultural policy. Direct beneficiaries are the State Plant Protection Service under the MoA, State Plant Varieties Testing Centre, State Seed and Grain Service under the MoA.

SPPS will be authorized to co-ordinate and implement the Project.

5. Detailed Budget (MEUR)

Project Components	**Transitional Facility Support**				
	Investment Support	**Institution Building**	**Total TF (I + IB)**	**National Co-financing**	**TOTAL**
Twinning		0.495	0.495		0.495
TA (service 1) SPPS		0.236	0.236		0.236
TA (service 2) SPVTC		0.12	0.12		0.12
TA (service 3) SSGS		0.2	0.2		0.2
Supply	0.413		0.413	0.142	0.555
TOTAL	**0.413**	**1.051**	**1.464**	**0.142**	**1.606**

6. Implementation Arrangements
6.1. Implementing Agency

The CPMA will be the Implementing Agency responsible for tendering, contracting, and accounting.
PAO: Mr. A.Vitkauskas, CPMA Director,
J. Tumo-Vaizganto 8A/2, 2600 Vilnius, Lithuania
Tel: +370 5 251 44 00, Fax: + 370 5 251 44 01, e- mail: info@cpma.lt

The following officers of SPPS, LSPVTC and SSGS will be responsible for technical preparation and control of the Project under the overall policy guidance by the Ministry of Agriculture:

Mr. Edmundas Morkevicius, Director of SPPS,
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Mr. Mindaugas Zobiela, Head of European Integration Division, SPPS,
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Mr. Stanislovas Polikaitis, Head of State Plant Variety Testing Center, Smelio 8 , 2055 Vilnius, Lithuania,
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Mr. Jonas Lisauskas, Head of State Seed and Grain Service under the Ministry of Agriculture
V.Kudirkos 18, 2600 Vilnius
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6.2 Twinning

The Twinning Team will primarily be located at the SPPS under the Ministry of Agriculture that will be the beneficiary of the Projects. The Counterpart of the PAA will be Mr. Edmundas Morkevicius, Director of SPPS, Pelesos 85, 2014 Vilnius, Lithuania, Tel. +370 5 275 27 50, Fax: + 370 5 275 27 50, e-mail vaat@vaat.lt.; the contact person - Mr. Jogaila Mackevicius, Head of European Integration Division, SPPS, Pelesos 85, 2014 Vilnius, Lithuania, Tel. +370 5 275 31 21, Fax: + 370 5 275 21 28, e-mail: vaates@vaat.lt; the contact Person of the LSPVTC – Ms Danguole Kirvaitiene, e-mail **:**danguole.kirvaitiene@avtc.lt Tel. +370 5 234 36 47; Fax. +370 5 234 18 62; the contact Person of the SSGS – Ms Jovita Kulikauskaite, e-mail:jovita.k@vsgt.lt, Tel.+370 5 231 45 31, Fax. +370 5 231 40 57.

6.3 Non-standard aspects

The project will be implemented following EDIS rules.

6.4 Contracts

There will be five tendering operations in this Project:

Value of Twinning Component	0,495 MEUR
Value of Service tender 1 for SPPS	0,236 MEUR
Value of Service tender 2 for SVTC	0,12 MEUR
Value of Service tender 3 for SSGS	0,2 MEUR
Value of Supply tender	0,555 MEUR of which 0,142 MEUR is co-financing

7. Implementation Schedule

Component	Start of Tendering	Start of Project Activity	Project completion
Twinning	2Q/04	1Q/05	2Q/06
Service contract 1	3Q/04	4Q/04	1Q/05
Service contract 2	3Q/04	4Q/04	1Q/05
Service contract 3	3Q/04	4Q/04	1Q/05
Supply contract	2Q/04	1Q/05	2Q/05

8. Equal Opportunity

Lithuanian Constitution, the Law on Equal Opportunities between Men and Women, and other legal acts explicitly forbid the discrimination on the basis of sex, nationality and religion. A Controller on equal opportunities between men and women is appointed by the Lithuanian Parliament.
The beneficiary institutions guarantee equal opportunity participation in the Project.

9. Sustainability

Relevant government policies ensure sustainability. Beneficiary institution is in a position to operate the Project and the procured equipment effectively in the long run. Funds for the operation will be provided by the budget of the Ministry of Agriculture. All acquired equipment will respect the standards applicable after Lithuania's accession to the Union.

10. Conditionality and sequencing

The project is conditional to the availability of local co-financing.
The activities of the Twinning arrangement will be closely coordinated with Phare 2003 .

Annexes to Project Fiche

1. Logframe Matrix.
2. Detailed Implementation Chart.
3. Cumulative Contracting and Disbursement Schedule for the Project (MEUR).
4. Preliminary List of Required Equipment

Logframe Planning Matrix **Strengthening of the facilities for administration and control system of the plant origin production**		Project name and number Contracting period expires: 3Q/06 **Total Budget:** 1.606 MEUR	 Disbursement period expires: 3Q/07 **Transitional Facility Budget:** 1.464 MEUR
Overall objective	**Objectively verifiable indicators**	**Sources of Verification**	
Strengthening of the facilities for administration and control system of the plant origin production	Effectively functioning system for registration of plant protection data, plant variety testing, registration and plant variety identification, certification and marketing of plant propagation material according the EC requirements.	EU Commission: OJ. Records of MoA and other relevant institutions.	
Project purposes	**Objectively verifiable indicators**	**Sources of Verification**	**Assumptions**
• Strengthening administrative and control capacities of State Plant Protection Service: training of SPPS specialists and inspectors in phytosanitary research and plant protection; creation of databases for accumulation and management of plant protection data and establishment of warning models; • Ensure effective functioning of plant variety testing, registration and plant variety identification system. Complete the upgrading of the Lithuanian State Plant Varieties Testing Centre (thereinafter – Centre), plant varieties testing stations (thereinafter -.Stations) and Plant Varieties Quality Testing Laboratory (thereinafter – Laboratory); • Strengthening the administrative and technical capacities of State Seed and Grain Service under the Ministry of Agriculture by improving of quality control systems of certification and marketing of plant propagation material according the EU requirements	Effective system for plant varieties testing, listing and protecting functioning according to EU requirements Seed cultivation system created and implemented according EC requirements. Quantity of certified plant propagating material and the number of post-control test enlarged to relevant level.	EU Commission: reports; Records of MoA and other relevant institutions; Annual reports of SPPS to EC; Annual reports of SPVTC.	No fundamental changes concerning the policy of the sector (EU and National policy).

Results	Objectively verifiable indicators	Sources of Verification	Assumptions
SPPS Phytosanitary Research laboratory stuff and inspectors of SPPS trained on new methods of phytosanitary research; Specialists of SPPS and Phytosanitary Research laboratory trained to perform a risk assessment of plant protection products according EU standards; Specialists trained to use models for forecasting of spread of horticulture and vegetable growing pests and diseases; Specialists trained in distinguish between parallel and non-parallel products based on the analytical data of plant protection products. Evaluation, classifying and decision-making concerning imported plant protection products in the country is carried out. Specialists advised on summarizing plant protection data and preparation of reports Specialists of SPPS trained to manage created data-bases; Computer programs and databases created for management of plant protection data. Meteorological stations, computer software for data processing like MET9WIN or with similar possibilities are purchased Warning models established for horticultural plant diseases and pests and its implementation in Lithuania using warning equipment. *SPVTC* Modern plant variety test data processing and storing program established. Specialists of the Centre and Stations to work with a new program trained. Practical training of the Centre and Stations specialists for	SPPS 25 Specialists of SPPS and Phytosanitary Research laboratory are trained to perform a risk assessment of plant protection products according EU standards Specialists of SPPS trained to manage created data-bases (25 people) 3 computer programs for managing of databases created, installed and fully operation by mid - 2005 10 metrological stations are in use by mid - 2005 *SPVTC*	Annual Commission report Project reports Annual reports of SPPS to EC. Annual reports of SPVTC. Annual reports of SSGS.	Relevant collaboration of the project partners and the institutions involved in the implementation of the project.

performance tests of DUS and VCU (2 different groups according different plant species); Training the specialists of the Laboratory for the performance of laboratory analyses; Computers (30 units) necessary for creation of the registration and plant variety identification system provided; Laboratory equipped with the necessary equipment	15 specialists of the Centre and Stations trained to work with a new computer program Specialists of the Centre and Stations (12 persons) trained to perform tests of DUS and VCU; Specialist of Laboratory (4 persons) trained to perform laboratory analyses; Computers delivered and software installed. Databases created and effectively functioning. Laboratory upgraded at the right quality and time as planned		
<u>*SSGS*</u> specialists trained to conduct the herbage, oil and vegetable seed lots in Post – control tests. Inspectors trained in performance inspection of seed potatoes. Quality analysis division stuff trained in performance laboratory quality tests of seed potatoes and fruit plant propagating material Quality analysis division equipped with necessary technical equipment. Necessary computer programme created and relevant training provided.	<u>*SSGS*</u> 2 Specialist of SSGS trained to conduct the herbage, oil and vegetable seed lots in Post – control tests; 8 Inspectors trained in performance inspection of seed potatoes Quality analysis division stuff (3) trained in performance laboratory quality tests of seed potatoes and fruit plant propagating material; 3 computer programs for collection and management of date bases of		

	agriculture crop and vegetable, seed potatoes and fruit plant propagating material certification systems created, installed and fully operation by the mid - 2005 Software for label printing and printer delivered and installed; Staff trained (6 person) in management of computer programs and software; Laboratory equipped with the virus detection laboratory equipment.		
Activities	**Means**	**Sources of Verification**	**Assumptions**
<u>Twinning arrangements</u> *SPPS component* - advise, training and elaboration of training plan for the stuff of separate phytosanitary fields; - training for Phytosanitary Research Laboratory staff to use new methods of phytosanitary research and pest risk analysis. - training in assessment of analytical chemical data of parallel trade products comparing them with the analytical results of the authorized plant protection products. - training of specialist from Plant protection department in risk assessment of plant protection products according EU guidelines and available EU models. - training specialists in use of models for forecasting of spread of horticulture and vegetable growing pests and diseases. - training for specialists on the usage of meteorological stations. *S P V T C component* - Practical training of the Centre and Stations specialists for performance tests of DUS and VCU (2 different groups according to different plant species) in EU ; - Assistance of experts on practical training for performance tests of VCU in Lithuania;	1 Twinning arrangement (1 PAA for 18 p/m and STEs for 12 p/m) 3 Service tenders 1 Supply tender	Reports of MoA, SPPS, SPVTC, SSGS. Statistical data.	Smooth process of procedures concerning the tendering, contracting implementation

- Assistance of expert for training specialists for plant varieties protection in Lithuania; - Training of specialists of the Laboratory for performance laboratory analyses in the EU (study tour). *SSGS component* - advice and training in performance laboratory quality tests of seed potatoes and fruit plant propagating material; - advice and training of herbage, oil and vegetable seed lots in Post – control tests according OECD requirements; - management of date base of agriculture crop and vegetable, seed potatoes and fruit plant propagation material certification systems. <u>Technical assistance</u> *Service contract 1 for SPPS* – creation of 3 computer programs for management of data bases of plant protection. A different programme is needed for establishment of each data base for control of: certificates of plant protection courses, of sprayers certificates, of permits for trade of plant protection products. *Service contract 2 for SVTC* - development of IS for registration of plant variety testing data. *Service contract 3 for SSGS* - creation of computer programs for collection and management of date bases of agriculture crop and vegetable, seed potatoes and fruit plant propagating material certification systems and label printing of certified plant propagating material.			
		Pre-conditions National Co-financing available.	

Detailed Implementation Chart for the Project

Annex 3

Year	2004									2005												2006											
Month	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
Twinning																																	
Service 1																																	
Service 2																																	
Service 3																																	
Supply																																	

Design
Tendering
Implementation

CUMULATIVE CONTRACTING AND DISBURSEMENT SCHEDULE (Transition Facility Contribution only –1.464 MEUR) of the project
Strengthening of the facilities for administration and control system of the plant origin production

	2004			2005				2006			
	30/06	30/09	31/12	31/03	31/06	30/09	31/12	31/03	30/06	30/09	31/12
Contracting											
Twinning				0.495							
Service 1			0.236								
Service 2			0.12								
Service 3			0.2								
Supply				0.413							
Total contracting (cumulative)			**0.556**	**1.464**							
Disbursement											
Twinning				0.25	0.25	0.25	0.25	0.25	0.495		
Service 1			0.15	0.15	0.15	0.236	0.236	0.236	0.236		
Service 2			0.08	0.08	0.08	0.12	0.12	0.12	0.12		
Service 3			0.13	0.13	0.13	0.2	0.2	0.2	0.2		
Supply				0.21	0.21	0.413	0.413	0.413	0.413		
Total disbursement (cumulative)			**0.36**	**0.82**	**0.82**	**1.219**	**1.219**	**1.219**	**1.464**		

Annex 4

LOT 1 Laboratory equipment (indicative)

Item No.	Equipment	Quantity	Price per Unit	Total Price
	SPPS component			
1.	Warning equipment for horticultural plants (vegetables) (METOS-D, and similar) and installation	1	77 000	76 900
2.	Warning equipment for horticultural plants (fruiter) (METOS-D, and similar) and installation	1	77 000	76 900
3.	Meteorological stations	10	13 400	134 000
	Total for SPPS			**287 400**
	SPVTC component			
4.	Seed counting equipment "Contador"	1	10 620	10 620
5.	Laboratory hood-ventilated	2	3 540	7 080
6.	Laboratory mill grinding grain without loss of moisture	1	8 850	8 850
7.	Equipment for estimation falling number in grain meal and flour	1	14 160	14 160
8.	Glutomatic for determination of gluten and gluten index in wheat	1	14 750	14 750
	Total for SPVTC			**55 460**
	SSGS component			
9.	Gel Documentation and Anglysis:	1	39 240	**39 240**
	Image Doc and Accessories –			
	Darkroom Hoods)			
	UV Transilluminators			
	Analysis Software			
	Hardware and Printer -			
	Total for SSGS			**39 240**
	Total for LOT 1			**382 100**

SPPS component:

Items No 1-2

To protect horticultural plants against diseases and pests, preventative applications with pesticides are made. Thus the use of pesticides against diseases and pests of horticultural plants is the most intensive in comparison with other crops, otherwise the pesticides are used to late when disease infection has occurred and large yield losses are obtained.

The current and most efficient horticultural plants diseases and pests decision support systems are based on warning models. These warning models select the economically and environmentally friendly optimal crop protection strategy that is based on actual occurrence of pests and diseases, climatic and other factors. These kinds of warning systems are developed in the EU countries. Two different types of warning models should be used for investigation of fruiter and vegetables.

Item No 3

10 units of specialised meteorological stations will be installed in every of 10 regional posts of SPPS for aggregating data needed for establishment of prognoses and implementation of warning models.

SPVTC component

SPVTC During the vegetation period experimental crops are observed and monitored under various aspects. After maturity of experimental crops they are harvested and weighed, and the production samples from each station of each variety are dispatched for the quality examination at the laboratory of the Centre. The total number of different analyses is more than 3,000 per year.
The all equipment for laboratory is necessary for precise and reliably quality estimation of tested plant varieties (winter and spring wheat, winter rye, winter and spring barley, perenniall grasses)

Item No. 4

Seed counting equipment "Contador" is designed for determining weight per thousand seeds.

Item No. 5

The Laboratory hood ventilated, resistant to the alkali and acid effect is necessary during the process of all chemical analysis. (The hood ventilated in the laboratory have been appointed more than 30 years ago and is inadequate to the requirements of work safety).

Items No 6. – 8

Laboratory mill, equipment for estimation falling number in grain meal and flour and glutomatic for determination of gluten and gluten index are designated for correct and convenient sample preparation, the reliable test on gluten quality and quantity and falling number estimation for most grain tests. These estimations are vital for obtaining reproducible results of winter and spring wheat and winter rye varieties.

SSGS component

Item No.9

Gel Documentation and Analysis of Laboratory equipment will be used for gel documentation and analyses of PCR on detection of variety identification, virus and quality diseases in seed potatoes and fruit plant propagating material.

LOT 2 Hardware and Software (indicative)

Item No.		Quantity	Price per Unit	Total price in MEUR
	SPPS component			
1.	Computers for management of plant protection databases	10	5 900	59 000
	Total for SPPS			**59 000**
	SPVTC component			
2.	Computers and software	20	2802.5	56 050
3.	Computers (handhandels) and software	10	1 420	14 200
4.	Hardware (printer, scanner)	8	1 106.25	8 850
	Total for SPVTC			**79 100**
	SSGS component			
5.	Software for label printing of certified plant propagating material	1		10 900
6.	Label printer	Lump sum		23 600
	Total for SSGS			**34 500**
	Total for LOT 2			**172 600**

SPPS component

Item No.1

10 units of computers will be installed in every of 10 regional posts of SPPS for management of plant protection data.

SPVTC component

Items No. 2-4

At present trials data processing, estimation, comparison and monitoring, storing and publishing is manual work. The Centre does not have a program for processing test data from field estimations to reports to the experts, State Board on Evaluation of Plant Varieties, owners of the varieties and other data recipients, preparing and publishing official bulletins.

Computers, hardware and software will be distributed for the Centre, and Stations for the implementation of modern plant variety test data processing and storing program. Computers (hanhaldels) will be distributed for plant varieties testing stations specialists, which work in the field.

SSGS component

Item No.5-6

Software for label printing of certified plant propagating material and label printer will be used for printing labels of certified propagating material. In this case State Seed and Grain Service would solve one of main EU requirements to control the labels of certified plant propagating material.