

**Sustainable and
competitive agricultural
supply chains in
pre- and post- European
Union accession countries**

(EU Access)

Annual Report 2004

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EU Access Annual Report 2004

Table of Contents

I. General	4
II. Report on 2004	
Relevance of the programme for the policy of the Ministry of Agriculture, Nature and Food Quality	6
Co-operation with partners in Wageningen University and Research centre and with partners in pre-accession countries and in new member states	6
Communication	6
Organisation	7
Highlights and deliverables	7
III. Financial report 2004	12
Annex I “Kennisonline”	14
Annex II “LNV-relatiebeheerder”	16
IV. Project reports 2004	18
Development and training of Producers’ Organisations in pre-accession countries (PRODUCER)	18
Platform for research and development of organic vegetable production in pre- and post-accession countries (ORGANICS)	24
Comparative study on the economic importance of applied horticultural research in pre-accession countries (R&D)	30
Development and testing of a protocol for safe food production and product quality management (QUALIMAN)	34
Comparative study on extension and transfer of knowledge in pre- and post-accession countries (TRANSFER)	38
Annex III Overview of available information on CD	44

EU Access Annual Report 2004

I. General

1. Programme number

400-VI

2. Title

Sustainable and competitive agricultural supply chains in pre- and post-European Union accession countries
From institutional support to practical development

3. Abbreviation

EU Access

4. Programme leader and organising institute

A.P. Everaarts, Applied Plant Research (APR)

5. Participating institutes

Applied Plant Research (APR)
International Agricultural Centre (IAC)
Agricultural Economics Institute (LEI)
Research institutes, Universities, Governmental Organisations and other partners in the European Union pre-accession countries and in new member states

6. Duration of programme

January 1 2003 – December 31 2006

7. Budget

The budget for 2004 was € 330,000.-

8. Type of programme

Policy development and policy implementation

9. Relevant organisations and potential users of programme results

The main objective of the programme is to support the general policy of the Dutch Government with respect to European Union accession, in particular on sustainable and competitive agricultural supply chains. Especially the Directorates "International Affairs", "Agriculture" and "Industry and Trade" of the Ministry of Agriculture, Nature and Food Quality, have an interest in increasing agricultural sustainability, competitiveness and food safety in the pre-accession countries and in new member states. Programme activities are directed at all key-players in the pre-accession countries and new member states involved in agricultural production chains, such as government organisations, producers' organisations, product boards, distribution and retail organisations operating at a national or European Union level, private companies involved in agribusiness, local research institutes, extension service, certification organisations, local farmers' organisations and farmers. Presently the programme focuses on supply chains in field vegetables and fruit production.

10. Programme board members of the Ministry of Agriculture, Nature and Food Quality and contact person Directorate of Science and Knowledge Transfer (DWK)

Chairman: Drs. S. Mohamed (Dir. International Affairs)

Secretary: Ir. P.P.L.M. Verhagen (National Reference Centre, *EC-LNV*)

Members: Ir. J.A.F. van de Wijnboom (Dir. Agriculture), Ir. R.M.J. Sonnemans (Dir. Industry and Trade). In the second half of 2004, Ir. R.M.J. Sonnemans left the Ministry.

Contact person DWK: Dr.T. Breimer

II. Report on 2004

1. Relevance of the programme for the policy of the Ministry of Agriculture, Nature and Food Quality

In 2004 the European Union has been enlarged with 10 countries and other countries are likely to join in later years. The European Union increased 34% in area and in particular the agricultural production potential increased considerably. Due to the enlargement the European Union population increased with approximately 105 million people. This considerable increase of the European Union common market will influence developments in all European Union countries, including The Netherlands. The objectives and results of programme 400 – VI (EU Access) are supportive to the policy of the Dutch Government with respect to the pre-accession countries and the new member states. Specific questions and deliverables, as formulated in the workplan of the programme for 2004, are addressed in the sections on the projects executed in that year.

2. Co-operation with partners in Wageningen University and Research centre and with partners in pre-accession countries and in new member states

Successful co-operation was established with partners from the International Agricultural Centre. The Agricultural Economics Institute participated in the project “Comparative study on the economic importance of applied horticultural research in pre-accession countries”, by project funds.

Difficulties were met from time to time and in varying degrees, in finding the right and motivated partners in the pre-accession countries and new member states. In these countries funds for research, and time spend on research co-operation, usually are limited. Especially the condition for co-operation in the programme, that only travel expenses can be provided for, frequently proved an obstacle for potential partners to participate.

Nevertheless at the end of 2004, fourteen organisations in Poland, Hungary, Czech Republic, Slovak Republic, Bulgaria and Cyprus were participating in the projects. This number will grow in 2005, as in the TRANSFER project active co-operation was achieved in 2004, but no formal participating organisations were appointed yet. Furthermore preparations were made to achieve participation of Rumania and Turkey in 2005.

3. Communication

Agricultural Counsellors at the Dutch Embassies in the pre-accession countries and new member states involved

At March 10 at the Ministry of Agriculture, Nature and Food Quality in The Hague, a presentation about the programme activities was held for the Agricultural Counsellors Drs. J.D. Gábor (Hungary), Mrs. Ir. P.M.B. de Vries - van Loon (Czech Republic, Slovak Republic) and Drs. Ing. A.W. Verhey (Poland).

Programme Board

Two times a formal meeting was held with the Programme Board. Once to present the 2003 Annual Report of the programme and once to present and discuss the 2005 programme Workplan. There were frequent contacts with especially the Chairman and Secretary of the Board for ad hoc advice and decisions. The Programme Board at the end of each quarter received a progress report, detailing the activities carried out in each project and a financial progress statement for each project.

Together with the Chairman and Secretary of the board activities were initiated to further broaden the relevance of the programme for the Ministry of Agriculture, Nature and Food Quality (see below).

Programme team

Two meetings were held with the programme team. One meeting was in combination with a programme workshop in Budapest in January 2004. At this workshop the programme

aims were presented and discussed with all participants in the programme, both from the pre-accession countries and from The Netherlands. A second meeting was held in August to discuss the progress in the projects and the planning of the programme for 2005. There were frequent contacts between programme leader and project leaders. Progress in the projects was monitored by an internal quarterly report of each project, stating activities and budget spend.

Potential users

A communication plan for potential users of results of the programme was made. A programme flyer, mainly briefly detailing the programme and providing contact addresses, was made. A newsletter both printed and by email, about past and coming project activities will be distributed two times a year. Two times a year a Policy Brief will be published. In the Policy Brief results of the programme will be translated into practical policy recommendations. The "Kennisonline" website (see below) will be updated regularly and articles will be published in relevant practical horticultural journals. In 2004 the first Newsletter and first Policy Brief were published. Articles were written for popular technical journals. First publication of these will be early 2005.

In April 2005 a meeting will be organised for Dutch field vegetable, fruit and fruit tree producers. The subject of this meeting will be: "One year after accession. What are the trends and consequences for the Dutch field vegetable, fruit and fruit tree growing businesses." Relevant facts from Poland and the Slovak Republic and results of the programme will be presented by both foreign and Dutch speakers. Preparation for this day started in 2004.

The preparation for a next programme workshop was started. The workshop is planned for March 2005, in Sofia and in Bucharest, to promote contacts in Bulgaria and Rumania.

"Kennisonline"

To improve communication with the Ministry of Agriculture, Nature and Food Quality, and thereby to ease the use of results of the programmes carried out by Wageningen University and Research centre, a website "Kennisonline" (www.kennisonline.wur.nl) and a monthly periodical with the same name, were established in 2004. An email newsletter and a helpdesk function are planned to become operational in 2005. On the website the full text of the Programme and the projects, and products, can be found. During 2004 the contents of the website were regularly updated and a contribution was made to the periodical. A certain percentage of the each programme budget is used to make this "Kennisonline" effort possible. An explanatory and financial statement regarding "Kennisonline" is attached as Annex I.

Business symposium

At October 14 the programme provided written information about the programme at a symposium organised by the Directorate Industry and Trade, about business with new member states.

Knowledge transfer

Knowledge transfer was achieved through meetings, workshops and presentations with the respective partners in the pre-accession countries, new member states and others, and by making reports available. Details are given in the reports on the projects.

4. Organisation

Clustering International Programmes

From 2004 onwards all programmes carried out by Wageningen University and Research centre for the Ministry of Agriculture, Nature and Food Quality were brought together in ten clusters. The international co-operation programmes formed the cluster: "International Co-operation". This was done to improve the management of the programmes and to improve communication with the Ministry. A cluster leader was appointed to co-ordinate

activities and reporting. A small percentage of each programme budget is used for the cluster management. An explanatory and financial statement regarding this cluster management (“LNV-relatiebeheerder”) is attached as Annex II. Several meetings took place with the team of programme leaders in the Cluster International Co-Operation, to discuss matters regarding the programmes and the cluster organisation. It was agreed to discuss and prepare a new management system for the cluster after 2005.

Additional financing

The PRODUCER project submitted a proposal on strengthening Producers Organisations and improving quality management by Producers Organisations in Central Europe, for additional financing to the PSO Programme “Capacity Building”. The proposal was favourably received, but the administrative procedures have not yet been completed.

5. Highlights and deliverables

Programme

The progress workshop of the programme in Budapest in January was opened by Dr. Ferenc Nyújtó, Deputy State Secretary, Ministry of Agriculture and Regional Development, Budapest. An excerpt from his speech:

“Hungary’s climatic conditions are favourable for the production of fruits and vegetables. Available both in fresh state and in processed form, these products are not only intended for domestic supply but also represent important export items. 60% of our products are processed and fresh exports account for some 15% of the domestic production. Our good quality products with delicious taste and flavour are planned to be present also in the market of the enlarged European Union. Following the lifting of barriers, we – as well as foreign suppliers – will face a greater challenge and at the same time have a greater market opportunity. We are aware that we can be competitive in the enlarged single market only with products that satisfy the most stringent quality requirements. In this area we do not have to cope with quotas but the capabilities of our producers will determine whether we will be successful in this market or not.”



Participants of the Budapest workshop in front of the ministry of Agriculture and rural development where the workshop was held.

The project “*Comparative study on the economic importance of applied horticultural research in pre-accession countries*”, was completed in 2004. Especially this project met with difficulties in finding partners that were able to invest the time necessary for the work in this project. Still, the project produced useful data that provide evidence of the profitability of investing in applied horticultural research.

Projects

Development and training of Producers' Organisations in pre-accession countries (PRODUCER)

Two workshops were organised by the project. A workshop on organisational development of Producers Organisations was held on December 16-17 in the Czech Republic for PO's of the Czech Republic as well as of the Slovak Republic. Several presentations on strengthening of producers organisations were given by F. Joosten and M. Sopov. The first workshop on quality issues was held on December 1 2004 in Skierniewice, Poland. Input for this workshop was also provided by the QUALIMAN project. The project is running well, except for the application of additional funds for an international workshop on Producers Organisations.

Platform for research and development of organic vegetable production in pre- and post-accession countries (ORGANICS)

The main aim of the Organics project is to establish a knowledge platform and to circulate knowledge on organic farming. In 2004 Organics participated in the 4th Summer Academy organised by Pro-Bio in Lednice, Czech Republic. Participants of this conference are mainly researchers, policy makers and representatives of Farmers Associations of Central and Eastern European Countries. Besides a lecture presented by W. Sukkel and a separate workshop on vegetable production on behalf of the Organics project, also an expert speaker, Dr. B. Ball from the Scottish Agricultural College, was invited to present a lecture. In October together with the Research Institute of Plant Production, Piestany, Slovak Republic and the Slovak Association for Sustainable Agriculture a conference was organised in Piestany. Input for this conference was also given by the TRANSFER project. Participants of this conference were mainly farmers. At this conference it was discussed how to set up a functioning knowledge transfer system with respect to organic or ecological farming. The project generates a lot of interest and has committed partners.

Comparative study on the economic importance of applied horticultural research in pre-accession countries (R&D)

The project was completed in 2004. The main conclusion from the study is that investing in applied agricultural research provides large returns. A report describing the results of the project is available. The conclusions have been summarised in a policy brief with practical recommendations. This policy brief was distributed to relevant persons and organisations in The Netherlands, pre-accession countries and new member states.

Development and testing of a protocol for safe food production and product quality management (QUALIMAN)

In May a workshop was organised in Lelystad on Food Safety and Quality Management. Presentations regarding HACPP, production, food safety assurance and legislation were given. Besides lectures also excursions were organised to businesses, to see how reality compares to theory. In the second half of 2004 a quick scan in all four participating countries was carried out in the form of a standardised interview of representatives of relevant stakeholders, to learn about the problems on quality and food safety in the market chain of onions and apples. A report of this quick scan will become available early 2005. The project has co-operation in four countries and has made a good start.

Comparative study on extension and transfer of knowledge in pre- and post-accession countries
(TRANSFER)

In 2004 a network of relevant contact persons has been developed. Most of these persons came together in a workshop held in Krakow in November 2004. Major objectives of the workshop were to analyse the problems that farmers experience in obtaining information on EU and national regulations that affect their farming practices, to exchange experiences on extension concepts, policies, institutional issues and extension approaches and to identify pilot projects for co-operation. The conclusions of the workshop are described in a synthesis document. A preliminary list of recommendations for policy makers has been established during the workshop. The project is well under way.

6. Programme information on CD

- Annual Report EU Access 2004
- Report Workshop Budapest
- Programme Flyer
- Programme Newsletter nr. 1

III. Financial report 2004

EU Access financial rapport 2004 (k€)

Project	Project leader, Institute	Budget 2004 ¹	Realisation 2004	Transfer to 2005
PRODUCER	Groot, M., APR	80.7	69.9	10.0
ORGANICS	Sukkel, W., APR	90.5	89.5	0.0
R&D	Wustman, R., APR Schoorlemmer, H., APR	40.0	24.3	15.0
QUALIMAN	Klaver, D., IAC	40.0	39.7	0.0
TRANSFER	Groot, M., APR	55.0	54.2	0.0
Communication	Everaarts, A.P., APR	14.0	6.1	7.9
Progr.management	Everaarts, A.P., APR	41.9	42.3	0.0
Non-allocated	Everaarts, A.P., APR	11.8	11.0	0.0
“Kennisonline” ²		1.3	1.3	0.0
“LNV-Relatie- beheerder” ³		2.3	2.3	0.0
Total		377.5	340.6	32.9

¹⁾ The 2004 budget was € 330,000.- . The money transferred from 2003 was € 47,500.-

²⁾ Annex I

³⁾ Annex II

Motivation to transfer money to 2005

The PRODUCER project asked for one planned activity to be transferred to 2005, in order to better enable participation of new pre-accession countries. This request was granted by the Programme Board.

The Project R&D was completed in 2004. However, less applied horticultural research cases were analysed than anticipated. Therefore less time needed to be spent. By decision of the Programme Board, the money to be transferred has been allocated to other programme activities in 2005.

The Communication plan for 2004 was not fully completed. It has been decided that some activities could better take place early 2005, in order to be able to provide news timed to planned activities. This request was granted by the Programme Board.

Annex I “Kennisonline”

<p><i>Programmanummer en titel:</i> alle BO- en WOT-programma's</p> <ul style="list-style-type: none">- <i>Projecttitel:</i> Kennisonline: website, nieuwsbrief, e-newsletter, helpdesk- <i>Projectnummer:</i> 64040 (projectnummer Bestuurscentrum)- <i>Projectleider website+ nieuwsbrief:</i> W. v. Eck, Bestuurscentrum Wageningen UR,- <i>Projectleider Helpdesk:</i> C. v.d. Hamsvoort, LEI- <i>Projectleider e-newsletter:</i> A. Meijering, PV- <i>Projectmedewerker:</i> N. Pieterse (contentmanager website), L. van Dijk (LEI, Helpdesk)- <i>Uitvoerende instellingen:</i> Facilitair Bedrijf Wageningen UR afd. ICT, Imagro/Nieuwe Koeien BV (communicatiebureau's), programma/projectleiders uit alle programma's- <i>Doelgroep/probleemhebber:</i> alle LNV-beleidsmedewerkers en geïnteresseerden buiten LNV- <i>Contactpersoon van de doelgroep:</i> Martine Ruijters (DWK), Benno Bruggink (hoofd persvoorlichting LNV)
<p><i>Doel en beknopte inhoudelijke beschrijving:</i></p> <p>Het doel van Kennis-online is het toegankelijk maken van kennis uit de onderzoekprogramma's van Wageningen UR voor LNV, en het stimuleren van de benutting daarvan.</p> <p>Binnen het beleidsondersteunende onderzoek van Wageningen UR voor LNV speelt communicatie een belangrijke rol. Bij communicatie gaat het om 3 processen: Zenden, Consulteren en Interactie (cf v. Woerkum). Binnen het cluster/programma-overstijgende project Kennis-Online komen al deze facetten aan bod:</p> <ul style="list-style-type: none">- Zenden: via de website met programma- en projectinformatie (www.kennisonline.wur.nl), de nieuwsbrief Kennisonline en de e-newsletter worden LNV-beleidsmedewerkers geïnformeerd over de onderzoekprogramma's.- Consulteren: via het helpdesk-loket op www.kennisonline.wur.nl kunnen LNV-medewerkers (ook degenen die niet direct bij het onderzoek betrokken zijn) op elk gewenst moment een vraag stellen (kleine vragen kunnen snel beantwoord worden, grote vragen vergen meer tijd).- Interactie: via de website, de nieuwsbrief en/of de helpdesk kunnen LNV-medewerkers snel in contact komen met deskundigen van Wageningen UR.
<p><i>Resultaten :</i></p> <ul style="list-style-type: none">- de website www.kennisonline.wur.nl is in april 2004 gelanceerd. In het voorjaar van 2005 wordt een aantal technische verbeteringen doorgevoerd (o.a. de snelheid wordt verbeterd). Versie 2 zal vermoedelijk in juni 2005 on line zijn. In 2005 zal een gebruikersonderzoek plaatsvinden.- de nieuwsbrief Kennisonline verschijnt vanaf april 2004 maandelijks. Er zijn 3 themanummers (Duurzame Productie; Landelijk Gebied & Natuur; Ketens, Voedsel & Diergezondheid). Elk themanummer verschijnt om de 3 maanden. In 2005 zal een gebruikersonderzoek plaatsvinden. Op basis hiervan zal in overleg met de Directie Voorlichting en de Directie Kennis <i>in oprichting</i> de opzet en mogelijke verbeteringen daarin bekeken worden.- De e-newsletter gaat in het voorjaar van 2005 van start.- De helpdesk is in januari 2005 gestart. Periodiek worden de clusterbesturen geïnformeerd over het aantal en de aard van de helpdeskvragen (de kosten verbonden aan het beantwoorden van de helpdeskvragen worden voldaan uit de vrije ruimte van de programma's/thema's binnen een cluster). In het najaar van 2005 zal een evaluatie plaatsvinden.
<p>Startdatum: 2003, Einddatum: onbepaald</p> <p>Budget: jaarlijks 0,25% van het budget van elk programma/cluster.</p>

Uitgaven Kennis Online in 2003 en 2004

	Kosten per onderdeel (€)	Kosten totaal (€)
Nieuwsbrief		€160.000
Eenmalige kosten:	€ 40.000	
- Folder		
- Nulnummer		
- Opbouw adressenbestand		
- Lanceringsplan		
- Stuurgroepbijeenkomsten		
9 nieuwsbrieven (€13.000 per nummer)	€120.000 (waarvan €30.000 betaald wordt in 2005)	
Website		€240.000
contentmanager(s) plus invoer data	€125.000	
bouw portal plus verbeteringen	€ 60.000	
bouw 2 ^e versie	€ 46.000 (waarvan €46.000 betaald wordt in 2005)	
cursussen programmaleiders	€ 9.000	
Overig		€ 20.000
Ontwikkeling e-newsletter	€ 10.000 (waarvan €5000 betaald wordt in 2005)	
ontwikkeling helpdesk	€ 10.000 (waarvan €5000 betaald wordt in 2005)	
Totaal		€420.000

Hiermee is het beschikbare budget €427.600,- (€159.900,- in 2003 + €267.700 in 2004) vrijwel uitgeput.

Annex II "LNV-relatiebeheerder"

<p><i>Programmanummer en titel:</i> alle BO-programma's</p> <p><i>Projecttitel:</i> LNV-relatiebeheerder/clusterleiders in 2004:</p> <ul style="list-style-type: none">- Cluster 01 Vitaal Landelijk Gebied: C. vd Hamsvoort (LEI)/A. de Bruin (Alterra)- Cluster 02 Ecologische Hoofdstructuur: K. Hendriks (Alterra)- Cluster 03 Economisch Perspectiefvolle Agroketens: H. Bos (A&F)/H. v. Meijl (LEI)- Cluster 04 Biologische Landbouw: F. Wijnands (PPO)- Cluster 05 Mest en Mineralen: O. Schoumans (Alterra)- Cluster 06 Gewasbescherming: P. Boonekamp (PRI)- Cluster 07 Transitie Duurzame Landbouw: G. vd Peet (ASG)- Cluster 08 Risicomanagement Diergezondheid en Voedselveiligheid: A. Meijering (ASG-PV)- Cluster 09 Kennis: W. Hanekamp (ASG)- Cluster 10 Internationaal: A. de Jager (LEI) <p><i>Projectleider Wageningen UR:</i> V. Zachariasse (LEI)</p> <p><i>Doelgroep/probleemhebber:</i> clusterbesturen bestaande uit MT-leden van beleidsdirecties. Daarnaast zijn de BO-clusterleiders aanspreekpunten voor de Raad van Bestuur van Wageningen UR.</p> <p><i>Contactpersoon van de doelgroep:</i> J. Cornelese, plv hoofd DWK-onderzoek.</p>
<p><i>Doel en beknopte inhoudelijke beschrijving:</i></p> <p>Vanaf 2004 zijn de onderzoeksprogramma's die Wageningen UR voor LNV uitvoert geclusterd. Het doel van het clustermodel is:</p> <ul style="list-style-type: none">- Door het grote aantal programma's te clusteren rond 10 voor het LNV-beleid herkenbare thema's, ontstaat een meer overzichtelijke loketstructuur.- De strategische aansturing van het gehele cluster wordt verzorgd door clusterbesturen, bestaande uit MT-leden van beleidsdirecties. Met de komst van de clusterbesturen is er een meer directe aansturingstijl tussen het management van LNV-beleidsdirecties en het Beleidsondersteunende Onderzoek van Wageningen UR.- Het eerste aanspreekpunt voor de clusterbesturen is de clusterleider. Samenwerking tussen onderzoeker en beleidsmedewerkers op projectniveau blijft onverminderd belangrijk.- De clusterleiders hebben LNV-relatiebeheer als primaire taak. Daarnaast zijn zij ook verantwoordelijk voor een optimale organisatie en samenwerking van programma's/thema's binnen het cluster. <p>Omdat de clusterleiders gedurende 2004 zijn aangesteld, kon met de kosten hiervan nog geen rekening gehouden worden in de begrotingen van de 2004-werkplannen. Daarom is besloten om elk BO-programma een evenredige bijdrage te laten leveren aan de kosten hiervan (0,7% van het budget).</p>
<p><i>Activiteiten clusterleiders in 2004:</i></p> <ul style="list-style-type: none">- Het initiëren van activiteiten gericht op relatiebeheer met LNV.- Afstemming en visieontwikkeling voor toekomstig onderzoek i.s.m. met het clusterbestuur.- Afstemming en onderlinge visieontwikkeling middels het platform relatiebeheerders.- Het opzetten van de clusterorganisatie binnen Wageningen UR.- Het uitwerken offertes voor nieuw onderzoek op basis van de kaderbrief 2006

Looptijd: April – december 2004

Kosten (hoofdzakelijk personeel):

clusterleider	Aantal dagen in 2004	Inzet in €
cluster VLG: Auke de Bruin	62,4	52.666
cluster VLG: Carel vd Hamsvoort	64,9	54.776
cluster EHS: Kees Hendriks	78,4	66.170
Cluster EPA: Harriette Bos	29,4	24.814
Cluster EPA: Hans van Meijl	48,4	40.850
Cluster BL: Frank Wijnands	46,4	39.162
cluster M&M: Oscar Schoumans	45,0	37.980
cluster GB: Piet Boonekamp	57,9	48.868
cluster TDL: Geert vd Peet	73,4	61.950
cluster RDV: Albert Meijering	64,9	54.776
cluster IS: André de Jager	35,4	29.878
cluster Kennis: Wim Hankekamp	52,8	44.563
totaal		556.490

De inzet per clusterleider varieert al naar gelang de omvang van het cluster, de omvang van de offertes voor nieuw onderzoek in 2006 en eventuele extra opdrachten voor het collectief (C. v.d. Hamsvoort is projectleider Helpdesk, A. Meijering is projectleider e-newsletter).

Voor 2005 zijn de kosten van de relatiebeheerders/clusterleiders meegenomen in de begroting van de werkplannen.

IV. Project reports 2004

Sustainable and competitive agricultural supply chains in pre- and post-European Union accession countries (EU Access)

- 1. Project title** : Development and training of Producers' Organisations in pre-accession countries
(PRODUCER)
- 2. Project number** : APR 610456
- 3. Project leader** : M.J. Groot, Applied Plant Research, The Netherlands
E mail: marianne.groot@wur.nl
- 4. Executing agency** : Applied Plant Research (APR)
P.O. Box 200
6670 AE Zetten
The Netherlands
Tel. : + 31 488 473712
Fax : + 31 488 473717

5. Participating organisations

- International Agricultural Centre (F. Joosten and M. Sopov), Wageningen, The Netherlands.
- Ministry of Agriculture and Regional Development (G. Padišák), Budapest, Hungary.
- Research Institute of Pomology and Floriculture (K. Zmarlicki), Skierniewice, Poland.
- Mendel University of Agriculture and Forestry (R. Pokluda), Brno, Czech Republic.
- Ministry of Agriculture, Veterinary and Food Administration (M. Pohankova), Bratislava, Slovak Republic.

6. Objectives

Long-term objectives

The project is expected to contribute to:

- The institutionalisation of Producer Organisations (PO's) in the new European Union member states, that meet the standards of the EU to undertake the roles and responsibilities in line with the changing market policy of the EU.
- The development of sustainable market-oriented agriculture in the new EU member states.
- The policy of the Dutch government with respect to pre-accession countries, as formulated in the strategic policy document "LNV & Pre-accessiesteun Midden Europa".

Short-term objectives

In order to achieve the above mentioned objectives the project will produce the following results:

- The prevailing needs for training, support, advise and institutional strengthening of (starting) producer organisations in pre- accession countries have been identified.
- Capacity building programmes to strengthen the formation and development of effective Producers' Organisations have been developed in line with the identified needs and potentials.
- The capacity building programmes are implemented and evaluated by the project partners.
- Network of PO's, including selected PO's from The Netherlands, are established to exchange information and experiences leading to a continued strengthening of the PO's in the EU.

Purpose

By the end of the project the following will have been achieved:

- Partner organisations in the pre-accession states will have adequate capacity and experience to promote the formation and development of effective Producer Organisations in line with EU Directive 412/97.

7. Results

7.1. Output and impact

The project will be conducted in four years from 2003 to 2006. During the second year, 2004, the following four activities were executed:

Workshop

In January 2004, a workshop was held in Budapest, Hungary. This workshop was linked with the programme meeting. During this workshop the most critical issues for the development of PO's in the fruit and vegetable sectors in Central Europe were discussed. The following issues were generally considered as the most important:

- (i) national workshops on PO recognition and support programmes. During the workshop the need of PO-members for extra information about the EU and national legislation on PO's became evident. It was decided by the different partners to organise national workshops, because of language and specific national legislation details per country;
- (ii) a pilot programme on organisational development of PO's;
- (iii) a pilot programme on quality issues;
- (iv) an international workshop on development of PO's.

The minutes of this workshop are added to the CD with deliverables.



Workshop on Producers' organisations together with the Qualiman project in Skierniewice, Poland 2004.

Development of the first part of the training programme

In close co-operation with the partners in the project the first part of the programme has been developed.

For the national workshops contact was made with the Ministry of Agriculture of the Slovak Republic.

For the pilot programme on organisational development there was co-operation with R. Pokluda and his colleagues of Mendel University of Agriculture and Forestry, Lednice, Czech Republic.

For the pilot programme on quality issues we co-operated with K. Zmarlicki of the Research Institute of Pomology and Floriculture in Skierniewice, Poland.

For the international workshop there was contact with G. Padisak, Ministry of Agriculture, Budapest, Hungary, about additional funding.

Execution of the first part of the programme

M. Pohankova of the Ministry of Agriculture in the Slovak Republic organised a national workshop on legislation in March 2004. So far they are the only one to have done so.

The first workshop on organisational development was held on December 16-17 in the Czech Republic for PO's of the Czech Republic as well as of the Slovak Republic. Several presentations on strengthening of producers organisations were given by F. Joosten and M. Sopov.

The first workshop on quality issues was held on December 1 2004 in Skierniewice, Poland. In co-operation with the QUALIMAN project, input for this workshop was provided by M. de Wolf. As a result of both workshops a Training report was written by M. Sopov.

For the international workshop additional funding was needed, as well as agreement about the contents of the programme. Both conditions were not fulfilled. An international workshop has therefore not yet been realised.

Assistance by finding funds for project partners

A proposal on strengthening Producers Organisations and improving quality management has been submitted for additional financing to the PSO Programme "Capacity Building". The proposal was favourably received, but the administrative procedures to achieve acceptance have not yet been completed.

Deliverables

The results planned for 2004 have been achieved, except for generating funds and agreement on contents for an international workshop on Producer Organisations.

7.2. Training, technology transfer and knowledge exchange

Two workshops were organised by the project. Provisional minutes of these workshops are available.

7.3. Reports and publications

- Groot, M.J., Joosten, F. and H. Schoorlemmer. 2004. Presentation of project Producer: Development and training of Producers Organisations in pre-accession countries. p9. In: Report workshop Budapest January 26 – 28, 2004. Edited by P.P.L.M. Verhagen, 30 pp.
- Groot, M.J., 2004. Workshop on fruit quality and PO's. Minutes of workshop programme and discussion.
- Groot, M.J. and F. School, 2005. Ontwikkelingen in de Poolse fruitsector. *Fruiteelt* 95(2):14 – 15 (Paper in "Fruiteelt" about the developments in the Polish fruit sector)
- Joosten F. and M.J. Groot, 2004. Producers Organisations – programme discussion. Report of discussion.
- Sopov, M. 2005. Training report – Organisational strengthening of producer organisations. (including programme).

7.4. Presentations

- Project Producer: Development and training of Producers Organisations in pre-accession countries. Presentation at EU Access workshop (21 persons), Budapest, January 27, 2004, Hungary, by M.J. Groot.
- Product control. Presentation at the workshop on fruit quality and PO's, Skierniewice, December 1, 2004, Poland, by F. School.
- Quality Standard for apples. Presentation at the workshop on fruit quality and PO's, Skierniewice, December 1, 2004, Poland, by F. School.
- International developments in fruit supply chains – Quality assurance and food safety. Presentation at the workshop on fruit quality and PO's, Skierniewice, December 1, 2004, Poland, by M. de Wolf.
- Strategic Planning: Introductory overview of the planning cycle. Presentation at Producers workshop Organisational strengthening of producer organisations, Lednice, December 16 –

- 17, 2004, Czech Republic, by F. Joosten.
- Assessing Organisational Performance. Presentation at Producers workshop Organisational strengthening of producer organisations, Lednice, December 16 – 17, 2004, Czech Republic, by F. Joosten.
- External and internal factors affecting company performance. Presentation at Producers workshop Organisational strengthening of producer organisations, Lednice, December 16 – 17, 2004, Czech Republic, by F. Joosten.
- Organisational Strengthening of Producer Organisations. Presentation at Producers workshop Organisational strengthening of producer organisations, Lednice, December 16 – 17, 2004, Czech Republic, by F. Joosten.
- Top Dutch producer organisations. Presentation at Producers workshop Organisational strengthening of producer organisations, Lednice, December 16 – 17, 2004, Czech Republic, by M. Sopov.

8. Duration

The project will be implemented from 2003 to 2006.

9. Budget

Available budget in 2004:	80.7 k€
Personnel	58.1 k€
78 hours x € 63	
175 hours x € 82	
366 hours x € 106	
Materials	0.1 k€
Travel	11.7 k€
Total spent in 2004:	69.9 k€
Request to transfer the balance of: to 2005	10.0 k€

10. Information on CD

Reports and publications:

- Groot, M.J., 2004. Workshop on fruit quality and PO's. Minutes of workshop programme and discussion.
- Groot, M.J. and F. Schoorl, 2005. Ontwikkelingen in de Poolse fruitsector. *Fruittel* 95(2):14 – 15 (Paper in "Fruittel" about the developments in the Polish fruit sector).
- Joosten F. and M.J. Groot, 2004. Producers Organisations – programme discussion. Report of discussion.
- Sopov, M. 2005. Training report – Organisational strengthening of producer organisations. (including programme).

Presentations:

- Project Producer: Development and training of Producers Organisations in pre-accession countries. Presentation at EU Access workshop (21 persons), Budapest, January 27, 2004, Hungary, by M.J. Groot.
- Product control. Presentation at the workshop on fruit quality and PO's, Skierniewice, December 1, 2004, Poland, by F. Schoorl.
- Quality Standard for apples. Presentation at the workshop on fruit quality and PO's, Skierniewice, December 1, 2004, Poland, by F. Schoorl.
- International developments in fruit supply chains – Quality assurance and food safety. Presentation at the workshop on fruit quality and PO's, Skierniewice, December 1, 2004, Poland, by M. de Wolf.
- Strategic Planning: Introductory overview of the planning cycle. Presentation at Producers

workshop Organisational strengthening of producer organisations, Lednice, December 16 – 17, 2004, Czech Republic, by F. Joosten.

- Assessing Organisational Performance. Presentation at Producers workshop Organisational strengthening of producer organisations, Lednice, December 16 – 17, 2004, Czech Republic, by F. Joosten.
- External and internal factors affecting company performance. Presentation at Producers workshop Organisational strengthening of producer organisations, Lednice, December 16 – 17, 2004, Czech Republic, by F. Joosten.
- Organisational Strengthening of Producer Organisations. Presentation at Producers workshop Organisational strengthening of producer organisations, Lednice, December 16 – 17, 2004, Czech Republic, by F. Joosten.
- Top Dutch producer organisations. Presentation at Producers workshop Organisational strengthening of producer organisations, Lednice, December 16 – 17, 2004, Czech Republic, by M. Sopov.

Others:

- Polish Newsletter (in which the Producers Workshop is mentioned).
- Preliminary conclusions of the workshop held at Budapest, January 2004.
- Programme for training in the Czech Republic.

Sustainable and competitive agricultural supply chains in pre- and post-European Union accession countries (EU Access)

- 1. Project title** : Platform for research and development of organic vegetable production in pre- and post- accession countries (ORGANICS)
- 2. Project number** : APR 530087
- 3. Project leader** : W. Sukkel, Applied Plant Research, The Netherlands
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- 4. Executing agency** : Applied Plant Research (APR)
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Fax : + 31 320 230479

5. Participating organisations

- International Agricultural Centre (H. Schiere), Wageningen, The Netherlands.
- Pro Bio Association (J. Urban), Prague, Czech Republic.
- Green Marketing (T. Vaclavik), Prague, Czech Republic.
- Agricultural Research Institute (I. Papastylianou), Nicosia, Cyprus.
- Research Institute of Plant Production (Z. Lehocká and M. Klimekova), Piestany, Slovak Republic.
- Technical University of Košice (G. Timcák), Košice, Slovak Republic.
- S. Baco (Freelance), Košice, Slovak Republic.
- Research Institute of Vegetable Crops (A. Szafirowska and J. Babik), Skierniewice, Poland.
- Agrolink (S. Nikolova), Sofia, Bulgaria.

6. Objectives

Long-term objectives

The objective of the Organics project is to contribute to:

- Improvement of research and knowledge transfer on organic vegetable farming in the participating countries.
- Improved quality production and sustainability of organic vegetable farming by an improved set of farming methods in the participating countries.
- Harmonisation of certification guidelines and quality demands for organic farming and its produce.

Short-term objectives

In order to achieve the long-term objectives the project will produce the following results:

- Identification of institutions and persons involved in research, certification and knowledge transfer of organic vegetable farming in the participating European Union pre-accession countries and new member states.
- Identification of state of the art of research, certification and knowledge transfer of organic vegetable farming in the participating countries.
- Identification of relevant knowledge sources within Europe on organic vegetable farming.
- Establishment of a working group of countries for regular and efficient exchange of information.

- Exchange of knowledge on organic vegetable production in general and more specific on research organisation, research methodology, certification and methodology of knowledge transfer.
- Initiation of project proposals on joint topics for research and development.

Purpose

Establishment of a platform for research and development of organic field vegetable production in pre-accession countries and new member states.

7. Results

7.1. Output and impact

Budapest workshop

In January a workshop was organised in Budapest on January 26th. With participating organisations plans for 2004 were discussed and a draft programme for 2004 was made.

Country documents

A base line survey by literature search has been made on organic research, extension, production, certification and supply chain in the participating European Union candidate member states. This exercise has resulted in working documents for each participating country. For the Czech and the Slovak Republics and Poland, information about state of the art, needs for knowledge circulation and existing initiatives was gathered during two country visits. In 2004 participants were asked to complete the reports with information from the participants. The aim is to have a complete set of country documents at the end of the project in 2006.

4th Summer Academy Conference

The Organics project was involved in the Pro-Bio summer academy conference in the Czech Republic. The conference took place in Lednice from June 30th till July 2nd. This conference is a yearly event where farmers, scientists and advisors in the field of organic farming from Central European countries meet each other. Speakers are invited from Central Europe as well from Western European countries like Germany, Austria and Switzerland. For more details about the conference see <http://www.pro-bio.cz>.

On behalf of the Organics project, W. Sukkel presented a lecture about Good Agricultural Practices, between intentions and label regulations. Dr. B. Ball from Scottish Agricultural College in Edinburgh was invited by the Organics project to give a presentation on Soil quality and greenhouse gas emissions in organic farming systems. Besides these two lectures also a workshop on organic vegetable growing was organised by the Organics project during the Pro-Bio conference. Main goal was to present the project and to identify needs for knowledge about organic farming.

Next year the Organics project will participate again in the Pro-Bio summer conference, since this conference functions well as platform for knowledge exchange.

Ekomit '04

In the Slovak Republic a conference was held on 13th and 14th of October. This conference was organised for the local farmers. The Organics project as well the Transfer project was involved in organizing this conference. Project members from both projects were also present at this conference. Both projects operated in a close cooperation on analyzing methods of disseminating knowledge on organic farming and identifying organisations, governmental as well as non governmental, involved in disseminating information to farmers. This resulted in a draft advice for improving organisational aspects and for improving methods of disseminating information to farmers.



Lectures during the Ekomit conference in October 2004.

New participants

In 2004 researchers from the Research Institute of Vegetable Crops at Skierniewice in Poland and the Bulgarian organisation Agrolink joined the project. In September a visit was paid to Poland to present the organics project to the Polish project members and to get an impression about organic vegetable production in Poland. During this visit it was agreed to organise a workshop in July 2005 in Poland.

In 2005 hopefully also the Rumanian organisation Bioterra will join the Organics project.

Spin offs

Within the frame of the Organics project several proposals were submitted for additional projects and funding.

- In Bulgaria by Agrolink a proposal is drafted for establishing organic demonstration farms in Bulgaria and Rumania.
- By Agrolink also a proposal for translating manuals was submitted to the Dutch embassy at Sofia. However, this proposal wasn't granted and other ways for funding this project are investigated now.
- Mr. Sukkel was invited by the Tokay Wine route project group in September to explore the possibilities of organic vegetable production in Eastern Slovak regions. Based on his findings the project group will write a project proposal which will be submitted to the EU for funding from SAPARD or other funding programs.
- By Dr. I. Papastylianou a draft proposal was made for establishing Pilot farms for research in European Union countries.
- The project provided technical assistance to the Slovak Republic for drafting the national action plan for organic farming.

Course on organic vegetable production

At the beginning of 2004 the idea was to develop lesson material for organic vegetable production. For that participants of the project were asked what kind of information is most needed.

Based on previous mentioned activities and meetings with several contact persons it became clear that especially technical information regarding organic vegetable production is needed. To fill up the gap in lack of technical knowledge, the possibility is investigated of organizing a two week course in the Netherlands for 16-20 participants on organic vegetable farming in September 2005. Topics of this course will be dealing with production techniques, general principles of organic production, marketing, organisation and resources. The International Agricultural Centre will take the lead in this.

However, this course can only be organised when additional funding is available. For this in 2004 an application for additional funding was presented to the Programme Board.

Deliverables

The project is running well. From participants in the activities it was learned that especially a course on technical information regarding organic vegetable production would be much appreciated. An application for funding of such an activity was submitted to the Programme Board.

7.2. Training, technology transfer and knowledge exchange

- Workshop about organic vegetable production, Czech Republic. Part of Pro-Bio Summer Academy Conference, July 1, 2004, Lednice. (About 30 participants).
- Conference on Organic Farming in Piestany, October 13 – 14, 2004, Slovak Republic. Organised by Z. Lehocka and M. Klimekova. Supported by the Slovak Ministry of Agriculture, Slovak Association for Sustainable Agriculture and Applied Plant Research. (About 120 participants).

7.3. Reports and publications

- Anonymus, 2004. EU-kennisproject Organics: Nederland pikt graantje mee. Kennis-Online (1), December 2004, p11.
- Ball, B. C., and C. A. Watson, 2004. Soil quality and greenhouse emissions in organic farming systems. p25 – 26. In: 4th European summer academy on organic farming, Abstract Proceedings. Edited by B. Sarapatka, Lednice, June 30 – July 2, 2004, Czech Republic. 62 pp.
- Sukkel, W., 2004a. Presentation of project Organics: Research and extension in organic vegetable production. p10 – 11. In: Report workshop Budapest January 26 – 28, 2004. Edited by P.P.L.M. Verhagen, 30 pp.
- Sukkel, W., 2004b. Good organic farming practices, between intentions and label regulations. p16 – 17. In: 4th European summer academy on organic farming, Abstract Proceedings. Edited by B. Sarapatka, Lednice, June 30 – July 2, 2004, Czech Republic. 62 pp.
- Sukkel, W. 2004c, Good agricultural practices. p33 – 40. In: Proceedings IV International conference on organic farming and rural development EKOMIT 04. Edited by Z. Lehocka, M. Klimekova and W. Sukkel, 113 pp.
- Sukkel, W. 2004d, First market then production. p85 – 88. In: Proceedings IV International conference on organic farming and rural development EKOMIT 04. Edited by Z. Lehocka, M. Klimekova and W. Sukkel, 113 pp.
- Sukkel, W., 2004e. Organics project. p1. Newsletter EU Access (1), December 2004, 2 pp.

7.4. Presentations

- Project Organics: Research and extension in organic vegetable production. Presentation at EU Access workshop (21 persons), Budapest, January 27, 2004, Hungary, by W. Sukkel.
- Presentation about organic farming systems for researchers. Meeting (approx. 25 persons) at Piestany, March 10, 2004, Slovak Republic, by W. Sukkel.
- Good organic farming practices, between intentions and label regulations. Presentation at 4th Summer conference, Lednice, July 1, 2004, Czech Republic, by W. Sukkel.
- Soil quality and greenhouse emissions in organic farming systems. Presentation at 4th Summer conference, Lednice, July 1, 2004, Czech Republic, by B. C. Ball and C. A. Watson.
- Organic vegetable production. Presentation at workshop (25 – 30 participants), Lednice, July 1, 2004, Czech Republic, by H. Schiere and W. Sukkel.
- Organics knowledge circulation. Presentation for Polish project members. Skierniewice, September 23, 2004, Poland, by H. de Putter.
- Good agricultural practices in organic farming. Presentation at Ekomit '04 conference, Piestany, October 13, 2004, Slovak Republic, by W. Sukkel.
- First market then production. Presentation at Ekomit '04 conference, Piestany, October 13, 2004, Slovak Republic, by W. Sukkel.

8. Duration

The project will be implemented from 2003 to 2006.

9. Budget

Available budget in 2004:	90.5 k€
Personnel	70.2 k€
302 hours x € 63	
483 hours x € 106	
Materials	6.5 k€
Travel	12.7 k€
Total spent in 2004:	89.5 k€

10. Information on CD

Reports and publications:

- Ball, B. C., and C. A. Watson, 2004. Soil quality and greenhouse emissions in organic farming systems. p25 – 26. In: 4th European summer academy on organic farming, Abstract Proceedings. Edited by B. Sarapatka, Lednice June 30 – July 2, 2004, Czech Republic. 62 pp.
- Sukkel, W., 2004b. Good organic farming practices, between intentions and label regulations. p10 – 11. In: 4th European summer academy on organic farming, Abstract Proceedings. Ed. B. Sarapatka, Lednice June 30 – July 2, 2004, Czech Republic. 62 pp.
- Sukkel, W. 2004c, Good agricultural practices. p33 – 40. In: Proceedings IV International conference on organic farming and rural development EKOMIT 04. Edited by Z. Lehocka, M. Klimekova and W. Sukkel, 113 pp.
- Sukkel, W. 2004d, First market then production. p85 – 88. In: Proceedings IV International conference on organic farming and rural development EKOMIT 04. Edited by Z. Lehocka, M. Klimekova and W. Sukkel, 113 pp.

Presentations:

- Project Organics: Research and extension in organic vegetable production. Presentation at EU Access workshop, Budapest, January 27, 2004, Hungary, by W. Sukkel.
- Presentation about organic farming systems for researchers. Meeting at Piestany, March 10, 2004, Slovak Republic, by W. Sukkel.
- Good organic farming practices, between intentions and label regulations. Presentation at 4th Summer conference, Lednice, July 1, 2004, Czech Republic, by W. Sukkel.
- Soil quality and greenhouse emissions in organic farming systems. Presentation at 4th Summer conference, Lednice, July 1 2004, Czech Republic, by B. C. Ball and C. A. Watson.
- Organics knowledge circulation. Presentation for Polish project members. Skierniewice, September 23, 2004, Poland, by H. de Putter.
- Good agricultural practices in organic farming. Presentation at Ekomit '04 conference, Piestany, October 13, 2004, Slovak Republic, by W. Sukkel.
- First market then production. Presentation at Ekomit '04 conference, Piestany, October 13, 2004, Slovak Republic, by W. Sukkel.

Others:

- Invitation EKOMIT '04 Conference.
- SWOT analysis Cyprus by M. Stavrinides.
- Organic agriculture facts Cyprus by M. Stavrinides.
- Website EKOMIT.
- Introduction speech of Drs. S. Mohamed at Ekomit '04. p11 – 12. In: Proceedings IV International conference on organic farming and rural development EKOMIT 04. Edited by Z. Lehocka, M. Klimekova and W. Sukkel, 113 pp.

Sustainable and competitive agricultural supply chains in pre- and post-European Union accession countries (EU Access)

- 1. Project title** : Comparative study on the economic importance of applied horticultural research in pre-accession countries (R&D)
- 2. Project number** : APR 510305
- 3. Project leader** : R. Wustman, Applied Plant Research (The Netherlands).
E mail: romke.wustman@wur.nl
- 4. Executing agency** : Applied Plant Research (APR)
P.O. Box 430
8200 AK Lelystad
The Netherlands
Tel. : + 31 320 291362
Fax : + 31 320 230479

5. Participating organisations

- Research Institute of Vegetable Crops (F. Adamicki), Skierniewice, Poland.
- Agricultural Economics Institute (T. Achterbosch), Den Haag, The Netherlands.

6. Objectives

Long-term objectives

- Continuation or establishment of an economically sound horticultural research and development network in pre- and post-accession European Union countries, including an effective knowledge transfer.
- Establishment of a market-oriented horticultural production sector in new European Union membership countries.

Short-term objectives

- Evaluation of the current methodology for assessment of the economic importance of horticultural research in pre- and post-accession European Union countries.
- Analysis of the cost-benefit ratio of horticultural research in these countries.
- Contribution to the continuation of applied horticultural research services, funded by both governmental and non-governmental sources.

Purpose

The work in this project is aimed at calculating and evaluating the macro- and/or micro-economic effects of horticultural research in five pre-accession countries, as well as in the Netherlands. The work has been aimed at applied research as this type of research has a direct impact on the production by growers. The results of this study must evaluate the cost-benefit ratio of having a well-organised network of applied horticultural research and development activities.

7. Results

7.1. Output and impact

Partner countries

The project activities continued in 2004 with three countries: Hungary, The Netherlands (NL) and Poland (PL). Unfortunately it appeared not possible to obtain data from Hungary before the formal end date of the R&D project: June 30 2004. Therefore the data collected in the Netherlands and in Poland have been used for the project report and for the policy brief.

Overview of the economic importance of the fruit and vegetable sector and the current situation of the research network for these commodities in each country

Besides the Poland contribution in 2003, no other countries have supplied an overview.

Methodology

The methodology provided for by LEI has successfully been applied in order to arrive at final data, ready for reporting.

Case analysis

The selected fruit crops were: apples (international); pears, plums and strawberries (national). The selected vegetable crops were: onions (international); cabbage, carrots, cauliflower and green peas (national). Crop selection criterion was the acreage. The seven selected cases were:

- Chemical thinning in apples (NL, PL).
- Seed coating in carrots (NL, PL).
- Seed coating in onions (NL, PL).
- Root cutting in pears (NL).

The cases have been analysed and reported.



The faster results of applied agricultural research are implemented by the farmers, the higher the revenues of investments in research projects are.

Meetings

The project team attended the Budapest Workshop (January 2004) and presented the first findings of its work.

Contacts with research bodies and producers' organisations

The data required for the model calculations collected in The Netherlands and Poland have been processed.

Deliverables

The project was completed in 2004, according to the original planning. During project execution it proved difficult to find partners who had the commitment and time to invest in this project. Nevertheless based on the ultimately available data an interesting report could be written. The main conclusion of the project is that applied agricultural research provides large returns to society. The conclusions from the study have been summarised in a policy brief.

7.2. Training, technology transfer and knowledge exchange

Not applicable.

7.3. Reports and publications

- Wustman. R., H. de Putter and F. Adamicki, 2004. Cost-benefit analysis of R&D in horticultural crops. p12 – 13. In: Report Workshop Budapest, January 26 – 28, 2004. Edited by P.P.L.M. Verhagen. 30 pp.
- Wustman. R., H. de Putter, T. Achterbosch and F. Adamicki, 2004. Comparative study on the economic importance of applied horticultural research. Applied Plant Research, Lelystad, The Netherlands. 61 pp.
- Wustman. R., H. de Putter, T. Achterbosch and F. Adamicki, 2004. Investment in applied horticultural research pays off very well. Policy Brief EU Access. Wageningen, The Netherlands. 4 pp.

7.4. Presentations

- Project Research and Development: Cost-benefit analysis of R&D in horticultural crops. Presentation at EU Access workshop, Budapest, January 27, 2004, Hungary, by R. Wustman, H. de Putter and F. Adamicki.

8. Duration

The project will be implemented from 2003 to 2004.

9. Budget

Available budget 2004	40.0 k€
Personnel	16.6 k€
95 hours x € 63	
129 hours x € 82	
Materials	0 k€
Travel	1.7 k€
AEI consultancy	6.0 k€
Total spent in 2004:	24.3 k€

10. Information on CD

- Wustman. R., H. de Putter, T. Achterbosch and F. Adamicki, 2004. Comparative study on the economic importance of applied horticultural research'. Applied Plant Research, Lelystad, The Netherlands. 61 pp.
- Wustman. R., H. de Putter, T. Achterbosch and F. Adamicki; 2004. Investment in applied horticultural research pays off very well. Policy Brief EU Access, Wageningen, The Netherlands. 4 pp.

Sustainable and competitive agricultural supply chains in pre- and post-European Union accession countries (EU Access)

- 1. Project title** : Development and testing of a protocol for safe food production and product quality management (QUALIMAN)
- 2. Project number** : APR 530129
- 3. Project leader** : H.B. Schoorlemmer, Applied Plant Research, The Netherlands
E mail: herman.schoorlemmer@wur.nl
- 4. Executing agency** : Applied Plant Research (APR)
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The Netherlands
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5. Participating organisations

- Research Institute of Pomology and Floriculture (K. Zmarlicki), Skierniewice, Poland.
- Research Institute of Vegetable Crops (F. Adamicki and M. Grzegorzewska), Skierniewice, Poland.
- Ministry of Agriculture, Veterinary and Food Administration (V. Baricicová and M. Dandar), Bratislava, Slovak Republic.
- Hungarian Fruit and Vegetable Board (C. Szabo), Budapest, Hungary.

6. Objectives

Long-term objectives

The project is expected to contribute to:

- The control of product quality of vegetables and the control of food safety, which have become basic trade conditions in the European Union (EU).
- A change in quality behaviour and thinking by producers from production orientated to consumer orientated concepts.
- Improvement of harmonisation of certification guidelines and good agricultural practices.
- Improvement of research and knowledge transfer on quality management of vegetable farms in the participating countries.
- Full traceability which is asked by the General Food Law of the European Union.

Short-term objectives

- Identification and benchmark of initiatives in control of food safety and product quality in the participating countries.
- Identification of bottlenecks and issues in quality management of chain participants in their general practice.
- Conceptual exploration or improvement of some of the bottlenecks and issues, for example by development and testing of protocols to improve food safety and/or product quality.
- Network building, knowledge exchange and training about quality management between the participating countries.

Purpose

Identification of the current initiatives, bottlenecks and important issues about quality management and food safety in pre-accession countries and new member states. To explore,

develop and test solutions for improvement. Establishment of a research network focussed at control of food safety and product quality at farm level.

7. Results

7.1. Output and impact

The project will be conducted in three years, from 2004 to 2006. During the first year 2004 the following activities have been realised.

Forming of the project group and fine-tuning of the project proposal

Project partners were found in Hungary, Poland and Slovak Republic. For Czech Republic it was difficult to find the right contacts and network. The project partners don't have comparable positions in their country. Participants are working for a product board, government and a research organisation respectively.

Workshop

In May 2004 the project group Qualiman saw his first activity in a workshop about food safety and quality management. Applied Plant Research organised this workshop at Lelystad. Participants in the project could meet each other, learn more about food safety and quality production and work on the first steps of the project.

During the workshop presentations were given about HACCP, quality production, food safety assurance, food standards in EU, and Dutch legislation. The theory was also shown in practice: the participants visited different farms and companies to see how quality assurance and food safety is dealt with in The Netherlands.

Per country an analysis was worked out of the domain and relevant stakeholders concerning control of food safety and quality assurance.

The definition of the project proposal was completed.



Fruit and vegetables for sale on a Dutch open market: Quality of the product must be guaranteed and origin should be traceable.

Quick Scan

A manual for a standardised interview was made. During the second half of 2004 in all four countries, representatives of above mentioned stakeholders were interviewed by the local project partners to learn about the problems on quality and food safety in the market chain of onions and apples.

In 2005 results of the quick scan will be put together in a report. Based on the common ground in the countries a plan for activities will be defined to explore, solve and test solutions for improvement in 2005 and 2006. The next meeting with the project members will be combined with the programme workshop in Sofia in March 2005.

The QUALIMAN project provided input at a fruit quality workshop of the PRODUCERS project in Poland. A presentation was held by M. de Wolf, with the title: "International developments in fruit supply chains – Quality assurance and food safety".

Deliverables

The project definition was completed. The quick scan was carried out. For a complete benchmarking in all four participating countries insufficient time was available. The next meeting of the project group has been scheduled for March 2005 in Sofia. Committed project partners are now working together and have made a good start with the project.

7.2. Training, technology transfer and knowledge exchange

A major part of the workshop with the project team (see 7.1) was focussed at knowledge exchange.

7.3. Reports and publications

- Schoorlemmer, H.B., 2004. Project description QUALIMAN. Applied Plant Research, Lelystad. 4 pp.
- Schoorlemmer, H.B., 2004. Introduction QUALIMAN, quality management and safe food production in vegetable production systems. p14 – 15. In: Report workshop Budapest, January 26-28, 2004. Edited by P.P.L.M. Verhagen. 30 pp.
- Schoorlemmer, H.B. and M. de Wolf, 2004. Reader workshop quality assurance and safe food production. Part of project Qualiman. Applied Plant Research. Lelystad, May 11 – 14, 2004.
- Wolf, M. de, and H.B. Schoorlemmer, 2004. Report on workshop Qualiman May 2004. Applied Plant Research, Lelystad, The Netherlands. Internal project report.

7.4. Presentations

- Introduction Qualiman: Quality management and safe food production in vegetable production systems. Presentation at EU Access workshop, Budapest, January 27, 2004, Hungary, by H.B. Schoorlemmer.
- Workshop Quality assurance and safe food production. Presentation at workshop Qualiman, Lelystad, May 11 – 14, 2004, The Netherlands, by H.B. Schoorlemmer and M. de Wolf.

8. Duration

The research project will be implemented from 2004 to 2006.

9. Budget

Available budget in 2004:	40.0 k€
Personnel	34.2 k€
162 hours x € 63	
41 hours x € 82	
195 hours x € 106	
Materials	2.0 k€
Travel	3.6 k€
Total spent in 2004:	39.8 k€

10. Information on CD

- Schoorlemmer, H.B., 2004. Project description QUALIMAN. Applied Plant Research, Lelystad. 4 pp.
- Wolf, M. de, and H.B. Schoorlemmer, 2004. Report on workshop Qualiman May 2004. Applied Plant Research, Lelystad, The Netherlands. Internal project report.
- Introduction Qualiman: Quality management and safe food production in vegetable production systems. Presentation at EU Access workshop, Budapest, January 27, 2004, Hungary, by H.B. Schoorlemmer.
- Workshop Quality Assurance and safe food production. Presentation at workshop Qualiman, Lelystad, May 11 – 14, 2004, The Netherlands, by H.B. Schoorlemmer and M. de Wolf.

Sustainable and competitive agricultural supply chains in pre- and post-European Union accession countries (EU Access)

- 1. Project title** : Comparative study on extension and transfer of knowledge in pre- and post-accession countries
(TRANSFER)
- 2. Project number** : IAC 236320010
- 3. Project leader** : D. Klaver, International Agricultural Centre, The Netherlands
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- 4. Executing agency** : International Agriculture Centre (IAC)
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5. Participating organisations

The following list gives an overview of organisations who participated in the 2004 Krakow workshop. We have not talked about national coordinators during the workshop. National coordinators will be identified in 2005 and invited to the annual programme meeting in Sofia in March.

- International Agricultural Centre, Social and Economic Department, Wageningen, The Netherlands.
- Ministry of Agriculture, Department of Research, Education and Extension, Prague, Czech Republic.
- Department of Education, Czech University of Agriculture, Prague, Czech Republic.
- Institute for Agriculture and Food Information, Prague – Vinohrady, Czech Republic.
- Czech Agrarian Chamber, Prague, Czech Republic.
- Slovak Chamber for Agriculture and Food Industries, Bratislava, Slovak Republic.
- Agroinštitút Nitra, Nitra, Slovak Republic.
- National Advisory Centre for Agriculture and Rural Development, Brinow, Poland.
- Department of Agricultural Extension, Agricultural University of Krakow, Krakow, Poland.
- Department of Rural Infrastructure and Social Communications, Ministry of Agricultural and Rural Development, Warsaw, Poland.
- Educational foundation 4 H, Warsaw, Poland.
- AMBAR Workshop logistics, Sulejówek, Poland.
- Department of Horticultural Technologies, Faculty of Agricultural and Environmental Sciences, Szent Istvan University, Gödöllo, Hungary.

During the above mentioned workshop in Krakow the following organisations showed direct interest in joining the TRANSFER project:

- Institute of Rural Development and Extension, Szent Istvan University (P. Miklós), Gödöllo, Hungary.
- Institute of Lifelong Education, Technical University of Kosice (G. Timcak), Kosice, Slovak Republic.

6. Objectives

Short-term objectives

- Analysis of previous extension projects and experiences on transfer of knowledge in the participating countries.
- Study of past country / case experiences.
- Analysis of the present situation with regards to extension and the co-operation between researchers, extension service and end-users in the participating countries.
- Formulation of recommendations on the improvement of the present situation with respect to efficient transfer of knowledge and effective extension services.

Long-term objectives

- Establishment of a sound model for the foundation of an effective extension service.
- Pilot experiments in which recommendations are tested.

Purpose

To establish and test a framework of alternative models for improving extension effectiveness in European Union pre-accession countries and new member states.

7. Results

7.1. Output and impact

Establishment of network

In 2004, a network has been developed on the basis of:

- Consulting contact persons of other projects in the EU Access programme for relevant addresses and contacts.
- Identifying contacts persons known within the International Agricultural Centre and especially within the department of Communication and Innovation Studies of IAC.
- Searching for participants' lists of international conferences on rural extension.
- Contacts established during a one-week mission to the Slovak Republic.

Most of the people contacted came together in a workshop held in Krakow in November 2004. Organisations attending this workshop have been mentioned under Participating organisations. Representatives of this network will be invited to come to the annual Programme Meeting in March 2005.

Workshop

From November 8 – 10 a workshop was held in Krakow.

The objectives of the workshop were:

- To make an analysis of problems that farmers experience in obtaining information on EU and national rules and regulations that affect their farming practices.
- To exchange experiences on extension concepts, policies, institutional issues and extension approaches.
- To learn from innovative extension policies and projects.
- To identify conducive and constraining extension and knowledge transfer policies.
- To identify pilot projects for collaboration in 2005 and 2006.

The workshop was attended by representatives from Ministries of Agriculture, public extension services, research and training institutes and universities, farmer organisations and independent consultants. Major findings of the workshop are described in a synthesis document.

Synthesis document

A first official draft of a synthesis document "Strengthening knowledge circulation and generation for small farmers in EU countries", will be available by the end of January 2005. This draft will be

discussed by the network and finalised during the Programme meeting in March. The synthesis document is based on:

- Literature search on the web.
- Quick scan of the Agricultural Knowledge and Information System in Slovak Republic and participation in the EKOMIT conference together with ORGANICS.
- Krakow workshop held in November 2004.

The synthesis document describes contingency factors that currently shape agricultural and rural development knowledge systems in Poland, Czech Republic and Slovak Republic. These factors are EU and national policies, farm structure and size, labour force and its qualifications available at farm level, major policies and unemployment rates in the agricultural sector and rural areas. Despite contacting the Hungarian contact person for the EU Access programme, who has tried to establish contacts within the Ministry of Agriculture, it has been very difficult to establish relevant contacts in Hungary. Contacts with the Institute of Rural Development and Extension of Szent Istvan University, Gödöllo, will be further developed in 2005.

For each of the three countries, Poland, Czech Republic and Slovak Republic, major extension policies and structures have been described briefly. On the basis of the country analysis and strengths-weaknesses of existing systems, workshop participants formulated preliminary policy guidelines and pilot project ideas, which will be further elaborated in 2005.

Establishing policy guidelines

A preliminary list of recommendations for policy makers has been established during the Krakow workshop. These recommendations are:

- Improve the effectiveness and efficiency of advisory services.
- Improve the quality and minimum standards of advisory services provided.
- Improve the linkages between actors in the agricultural and rural development knowledge system.
- Improve the identification of information needs and targeting of farmers and delivery of appropriate messages. How can smaller farmers be better targeted and informed? What are appropriate strategies to increase their access to knowledge?
- To enhance the exploration and policy formulation with regard to the choice for public versus private advisory services.

Initiation of pilot projects

At the end of the Krakow workshop and on the basis of the policy recommendations formulated, actions for follow-up have been formulated. They have to be further developed in the first trimester of 2005.

1. Reinforcing linkages between actors in the sector of organic farming

Start of a pilot activity on Integrated Production (IP) or ecological farming. In this pilot activity, farmers, advisors, researchers and certification instances are working together and learn from each other in order to deliver information to small farmers, about legislation, production methodology, market information and quality standards. Organise consultation panels in which all actors share information and jointly formulate further actions. This idea has been briefly proposed during the EKOMIT conference on Organic Farming in Piestany, 2004, and on the Krakow workshop. The objective is to enhance knowledge circulation in the organic farming sector on organic production, markets and quality standards. The challenge would also be to find appropriate ways to reach individual farms and strengthen communication between individual farms and research institutes.

2. A similar idea will be explored in Poland in the field of Integrated Production

Major participants would be the National Advisory Service, the Plant Protection Service and the Department of Agricultural Extension of the University of Krakow.

3. Besides these two pilot activities, the following actions have formulated for 2005
 - Document successful case studies about Integrated Production, supply chains, quality standards and knowledge circulation. Farmers who have been successful and linkages of collaboration that have been successful, e.g. Research-Extension-Farmer linkages.
 - Create a platform for innovation on a website and by communication through e-mail discussions and list service.



Workshop on advisory services and extension in agriculture, Krakow, November 2004.

Deliverables

The deliverables for 2004 have largely been achieved. The project is well underway.

7.2. Training, technology transfer and knowledge exchange

In the broader sense of facilitating learning and knowledge exchange, the following activities have been accomplished.

- Presentation of Transfer during the Budapest workshop in January 2004 and first analysis of current extension systems and concerns.
- One day workshop facilitation for QUALIMAN: facilitation of group work for the preparation of a checklist for a quick scan of the study of food safety issues.
- Facilitation of two workshop sessions in Slovak Republic during the EKOMIT conference on Organic Farming and Rural Development, together with ORGANICS. Consisting of a presentation of “Knowledge generation and transfer for organic farming in the Netherlands”, followed by a discussion in two subgroups on raising consumer awareness for organic consumption and on improvement of the agricultural knowledge system for organic farming in Slovak Republic. And a second workshop on improving relations between Research Institutes and Farmers for organic farming.
- Facilitation of a three-day workshop in November in Krakow, including a presentation and facilitation of group work.

7.3. Reports and publications

- Klaver, D. and F. Joosten, 2004. Presentation of project TRANSFER: introducing extension and transfer of knowledge. p16 – 19. In: Report workshop Budapest January 26 – 28, 2004. Edited by P.P.L.M. Verhagen. 30 pp.
- Klaver, D., 2004. Strengthen knowledge circulation and generation for organic farmers. p113 – 118. In: Proceedings IV International conference on organic farming and rural development EKOMIT 04. Edited by Z. Lehocka, M. Klimekova and W. Sukkel, Piestany. 113 pp.

- Klaver, D., 2004. Report on workshop 6: Transfer of knowledge in organic farming. p118 – 121. In: Proceedings IV International conference on organic farming and rural development EKOMIT 04. Edited by Z. Lehocka, M. Klimekova and W. Sukkel, Piestany. 113 pp.
- Klaver, D., 2005. Strengthening knowledge circulation and generation for small farmers in EU countries. Draft Synthesis document, IAC.
- Klaver D., 2005. Strengthening knowledge circulation and generation for small farmers in EU countries, Krakow, Poland November 8 – 10, 2004. Workshop Proceedings.

7.4. Presentations

- TRANSFER: Creating effective extension systems. Presentation at workshop EU Access, Budapest, January 27, 2004, Hungary, by D. Klaver.
- Strengthen knowledge circulation and generation for organic farmers. Presentation at Ekomit '04 conference, Piestany, October 13, 2004, Slovak Republic, by D. Klaver.
- Strengthening knowledge circulation and generation for organic farmers. Presentation at Krakow workshop November 8 – 10, 2004, Poland, by D. Klaver.
- Organisation of agriculture advisory service in Poland. Presentation at the Krakow workshop November 8-10, 2004 by the Ministry of Agricultural and Rural Development.
- Advisory Service – how does it work? Presentation at the Krakow workshop November 8 – 10, 2004, Poland, by dr. B. Matusz.
- Integrated Production in POLAND. Presentation at the Krakow workshop November 8 – 10, 2004, Poland, by K. Banasik-Sol gala.
- Agricultural Extension of the Czech Republic - at the time of rural and agricultural integration process with the European Union. Presentation at the Krakow workshop November 8 – 10, 2004, Poland, by A. Stanek.

8. Duration

The project will be implemented from 2004 to 2006.

9. Budget

Available budget in 2004:	55.0 k€
Personnel costs	42.2 k€
398 hours x € 106	
Material costs	4.3 k€
Travel	7.7 k€
Total spent in 2004:	54.2 k€

10. Information on CD

Reports and publications:

- Klaver, D., 2005. Strengthening knowledge circulation and generation for small farmers in EU countries. Draft Synthesis document, IAC.
- Klaver, D., 2004. Report on workshop 6: Transfer of knowledge in organic farming. p118 – 121. In: Proceedings IV International conference on organic farming and rural development EKOMIT 04. Edited by Z. Lehocka, M. Klimekova and W. Sukkel, Piestany. 113 pp.

Presentations:

- TRANSFER: Creating effective extension systems. Presentation at workshop EU Access, Budapest, January 27, 2004, Hungary, by D. Klaver.
- Strengthen knowledge circulation and generation for organic farmers. Presentation at Ekomit '04 conference, Piestany, October 13, 2004, Slovak Republic, by D. Klaver.
- Strengthening knowledge circulation and generation for organic farmers. Presentation at Krakow workshop November 8 – 10, 2004, Poland, by D. Klaver.
- Organisation of agriculture advisory service in Poland. Presentation at the Krakow workshop November 8-10, 2004 by the Ministry of Agricultural and Rural Development.

- Advisory Service – how does it work? Presentation at the Krakow workshop November 8 – 10, 2004, Poland, by dr. B. Matusz.
- Integrated Production in POLAND. Presentation at the Krakow workshop November 8 – 10, 2004, Poland, by K. Banasik-Solgala.
- Agricultural Extension of the Czech Republic - at the time of rural and agricultural integration process with the European Union. Presentation at the Krakow workshop November 8 – 10, 2004, Poland, by A. Stanek.

Annex III Overview of available information on CD

Project directory	File name	Description of photos, publications or presentations present on the CD
Programme	Annual report 2004 . pdf	Annual report Sustainable and competitive agricultural supply chains in pre- and post-European Union accession countries (EU Access). Edited by A.P. Everaarts and H. de Putter, Lelystad 2004.
	Budapestreport . pdf	Report Workshop Budapest January 26 – 28, 2004. Edited by P.P.L.M. Verhagen. 30 pp.
	Flyer_EU_Access . pdf	Flyer with Information regarding the programme “Sustainable and competitive agricultural supply chains in pre- and post – European Union accession countries (EU Access)”
	Newsletter 1 . pdf	First Newsletter EU Access, December 2004.
<hr/>		
Producers	Photo1.jpg	Photo of participants at workshop on Producers Organisation in Skierniewice, December 2004.
	Photo2.jpg	Photo of K. Zmarlicki with another participant at the workshop in Skierniewice.
	Photo3.jpg	Besides official presentations and discussion there were also opportunities for informal talks.
	Photo4.jpg	Photo of the fruit growing research institute building at Skierniewice, where the workshop on Producers Organisation took place.
\Publications	Workshop on fruit quality and PO . pdf	Groot, M.J., 2004. Workshop on fruit quality and PO's. Minutes of workshop programme and discussion.
	PO programme discussion . pdf	Joosten F. and M.J. Groot, 2004. Producers Organisations – programme discussion. Report of discussion.
	Fruitteelt . pdf	Groot, M.J. and F. Schoorl, 2005. Ontwikkelingen in de Poolse fruitsector. Fruitteelt 95(2):14-15 (Paper in “Fruitteelt” about the developments in the Polish fruit sector)
	TR Czech05 . pdf	Sopov, M. 2005. Training report – Organisational strengthening of producer organisations. (including programme).

\Presentations

Producers_organisations . pdf	Project Producer: Development and training of Producers Organisations in pre-accession countries. Presentation at EU Access workshop (21 persons), Budapest, January 27, 2004, Hungary, by M.J. Groot.
Quality control . pdf	Product control. Presentation at the workshop on fruit quality and PO's, Skierniewice, December 1, 2004, Poland, by F. Schoolr.
Quality standard . pdf	Quality Standard for apples. Presentation at the workshop on fruit quality and PO's, Skierniewice, December 1, 2004, Poland, by F. Schoolr.
Quality assurance . pdf	International developments in fruit supply chains – Quality assurance and food safety. Presentation at the workshop on fruit quality and PO's, Skierniewice, December 1, 2004, Poland, by M. de Wolf.
Strategic planning . pdf	Strategic Planning: Introductory overview of the planning cycle. Presentation at Producers workshop Organisational strengthening of producer organisations, Lednice, December 16 – 17, 2004, Czech Republic.
Assessing organisational performance . pdf	Assessing Organisational Performance. Presentation at Producers workshop Organisational strengthening of producer organisations, Lednice, December 16 – 17, 2004, Czech Republic, by F. Joosten.
SWOT . pdf	External and internal factors affecting company performance. Presentation at Producers workshop Organisational strengthening of producer organisations, Lednice, December 16 – 17, 2004, Czech Republic, by F. Joosten.
Workshop Introduction 16 dec . pdf	Organisational Strengthening of Producer Organisations. Presentation at Producers workshop Organisational strengthening of producer organisations, Lednice, December 16 – 17, 2004, Czech Republic, by F. Joosten.
Dutch POs . pdf	Top Dutch producer organisations. Presentation at Producers workshop Organisational strengthening of producer organisations, Lednice, December 16 – 17, 2004, Czech Republic, by M. Sopov.

\ Others

Instytut Sadownictwa i Kwiaciarnictwa . pdf	Polish Newsletter (in which the Producers Workshop is mentioned).
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	Preliminary conclusions . pdf	Preliminary conclusions of the workshop held at Budapest, January 2004.
	Programme for training . pdf	Programme for training in the Czech Republic.
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Organics		
	Photo1 . jpg	Photo taken at Pro-Bio conference Summer academy on July 1 2004.
	Photo2 . jpg	Photo taken at EKOMIT '04 seminar 13-14 October 2004.
	Photo3 . jpg	Photo taken at EKOMIT '04 excursion.
	\Publications	
	Ball abstr . pdf	Ball, B. C. and C. A. Watson, 2004. Soil quality and greenhouse emissions in organic farming systems. p25 – 26. In: 4 th European summer academy on organic farming, Abstract Proceedings. Edited by B. Sarapatka, Lednice, June 30 – July 2, 2004, Czech Republic. 62 pp.
	Intentions and regulation . pdf	Sukkel, W., 2004b. Good organic farming practices, between intentions and label regulations. p10 – 11. In: 4 th European summer academy on organic farming, Abstract Proceedings. Edited by B. Sarapatka, Lednice, June 30 – July 2, 2004, Czech Republic. 62 pp.
	GAP organic farming . pdf	Sukkel, W. 2004c, Good agricultural practices. p33 – 40. In: Proceedings IV International conference on organic farming and rural development EKOMIT 04. Edited by Z. Lehocka, M. Klimekova and W. Sukkel, 113 pp.
	Organic market . pdf	Sukkel, W. 2004d, First market then production. p85 – 88. In: Proceedings IV International conference on organic farming and rural development EKOMIT 04. Edited by Z. Lehocka, M. Klimekova and W. Sukkel, 113 pp.
	\Presentations	
	Hungary0104 . pdf	Project Organics: Research and extension in organic vegetable production. Presentation at EU Access workshop, Budapest, January 27, 2004, Hungary, by W. Sukkel.
	Piestany10-03-04 . pdf	Presentation about organic farming systems for researchers. Meeting at Piestany, March 10, 2004, Slovak Republic, by W. Sukkel.

Sukkel 01-07-04 . pdf	Good organic farming practices, between intentions and label regulations. Presentation at 4 th Summer conference, Lednice, June 30, 2004, Czech Republic, by W. Sukkel.
Ball 01-07-04 . pdf	Soil quality and greenhouse emissions in organic farming systems. Presentation at 4 th Summer conference, Lednice, July 1, 2004, Czech Republic, by B. C. Ball and C. A. Watson.
Poland23-09-04 . pdf	Organics knowledge circulation. Presentation for Polish project members. Skierniewice, September 23, 2004, Poland, by H. de Putter.
EKOMIT . pdf	Good agricultural practices in organic farming. Presentation at Ekomit '04 conference, Piestany, October 13, 2004, Slovak Republic, by W. Sukkel.
market . pdf	First market then production. Presentation at Ekomit '04 conference, Piestany, October 13, 2004, Slovak Republic, by W. Sukkel.
\Others	
InvitationEkomit . pdf	Invitation EKOMIT '04 Conference.
Cyprus SWOT . pdf	SWOT analysis Cyprus by M. Stavrinides.
Facts Cyprus . pdf	Organic agriculture facts Cyprus by M. Stavrinides.
Aká bolo konferencia EKOMIT 2004 . htm	Website EKOMIT '04.
Intro speech . pdf	Introduction speech of Drs. S. Mohamed at Ekomit '04. p11 – 12. In: Proceedings IV International conference on organic farming and rural development EKOMIT 04. Edited by Z. Lehocka, M. Klimekova and W. Sukkel, 113 pp.

R&D

cost benefit applied research . pdf	Wustman. R., H. de Putter, T. Achterbosch and F. Adamicki, 2004. Comparative study on the economic importance of applied horticultural research'. Applied Plant Research, Lelystad, The Netherlands. 61 pp.
Policy_brief_ EU Access . pdf	Wustman. R., H. de Putter, T. Achterbosch and F. Adamicki, 2004. Investment in applied horticultural research pays off very well. Policy Brief EU Access, Wageningen, The Netherlands. 4 pp.

Qualiman		
		Schoorlemmer, H.B., 2004. Project description QUALIMAN. Applied Plant Research, Lelystad. 4 pp.
	Photo1 . jpg	Photo of project team at workshop Qualiman, Lelystad, May 2004.
	Photo2 . jpg	Fruit for sale on a Dutch Market. Quality of the product must be guaranteed and origin should be traceable.
	Photo3 . jpg	Where it's all about: EUREP-GAP certificate.
	Photo4. jpg	Project team during the workshop, Lelystad, May 2004.
	Report workshop 2004 . pdf	Wolf, M. de, and H.B. Schoorlemmer, 2004. Report on workshop Qualiman May 2004. Applied Plant Research, Lelystad, the Netherlands. Internal project report.
	IntroQualiman . pdf	Introduction Qualiman: Quality management and safe food production in vegetable production systems. Presentation at EU Access workshop, Budapest, January 27, 2004, Hungary, by H.B. Schoorlemmer.
	PPOworkshop Qualiman . pdf	Workshop Quality Assurance and safe food production. Presentation at workshop Qualiman, Lelystad, May 11 – 14, 2004, The Netherlands, by H.B. Schoorlemmer and M. de Wolf.
Transfer		
	Photo1 . jpg	Photo of workshop participants, Krakow, 2004.
	Photo2 . jpg	Photo of workshop participants, Krakow, 2004.
	Photo3 . jpg	Presentation and discussion at workshop, Krakow, 2004.
	\Publications	
	Report 17 . pdf	Klaver, D., 2005. Strengthening knowledge circulation and generation for small farmers in EU countries. Draft Synthesis document, IAC.
	Report on workshop 6 . pdf	Klaver, D., 2004. Report on workshop 6: Transfer of knowledge in organic farming. p118 – 121. In: Proceedings IV International conference on organic farming and rural development EKOMIT 04. Edited by Z. Lehocka, M. Klimekova and W. Sukkel, Piestany. 113 pp.

\Presentations

Transfer presentation . pdf	TRANSFER: Creating effective extension systems. Presentation at workshop EU Access, Budapest, January 27, 2004, Hungary, by D. Klaver presented by F. Joosten.
Workshop 6 . pdf	Strengthen knowledge circulation and generation for organic farmers. Presentation at Ekomit '04 conference, Piestany, October 13, 2004, Slovak Republic, by D. Klaver.
Introduction . pdf	Strengthening knowledge circulation and generation for organic farmers. Presentation. Presentation at Krakow workshop November 8 – 10, 2004, Poland, by D. Klaver.
MoA Poland . pdf	Organisation of agriculture advisory service in Poland. Presentation at the Krakow workshop November 8 – 10, 2004, Poland, by the Ministry of agriculture and rural development.
NACARD . pdf	Advisory Service – how does it work? Presentation at the Krakow workshop November 8 – 10, 2004, Poland, by dr. B. Matusz.
CR extention_structure . pdf	Overview structure shown at the Krakow workshop November 8 – 10, 2004, Poland.
Integrated production . pdf	Integrated Production in POLAND. Presentation at the Krakow workshop November 8 – 10, 2004, Poland, by K. Banasik-Solgala.
CR presentation . pdf	Agricultural Extension of the Czech Republic - at the time of rural and agricultural integration process with the European Union. Presentation at the Krakow workshop November 8 – 10, 2004, Poland, by A. Stanek.
