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FINAL REPORT

- **Project title:** „CREATION OF A NETWORK FOR APPLICATION OF A MULTI-DISCIPLINARY APPROACH TO SUSTAINABLE DEVELOPMENT AND MANAGEMENT OF ORGANIC FARMING IN BULGARIA AND ROMANIA” – BFN
<http://multilingual.bionetsyst.com/>; <http://market.bionetsyst.com/>
- **Contract number:** 84/21.08.08
- **Ending year:** 2009, 30 nov.
- **Project duration:** 21.08.08 – 30.11.09 (16 months)
- **Romanian partner:** Dr.eng. Nastasia Belc, Institute of Food Bioresources, Bucharest
- **Project manager:** Drd.eng. Şandric Maria Magdalena
- **Bulgarian partner:** SRA II degree Dr. Genka Petrova Patenova, Institute of Agriculture and Seed Science”Obraztsov Chiflik”, Rousse, Bulgaria
- **Project manager:** R.A.I degree Dr. Atanasov Atanas Zdravkov
- **Main objectives of the project:**

The main aim of this project is to enhance the access, participation and integration of two new members countries Bulgaria and Romania, in a common research Multi-Lingual Network of the Professional Society in Organic Agriculture (MLNPSOA). The overall objectives of the MLNPSOA is to organize the users into different professional groups in a creative and productive consortium for applying of multi-disciplinary approach to stable development and management of the organic agriculture in the region, using modern information and communication technologies.

The main objectives are:

- Creation of a threelingual network of institutions and members involved the organic agriculture, with questionnaires, dictionary, library and knowledge base on the BFN server;
- Specifying a bottom-up methodology for stable development and management of the organic farms in Bulgaria and Romania;

- Application on web-based and intelligent multimedia environments, and WINDOWS-based tasks developed of the scientific group for knowledge testing, improvement of knowledge base, practical skills, and skills for decision made of different professional groups;
 - Developing an WINDOWS-based application for technological management of manual and mechanical processes in organic farms;
 - Preparation of collaborative scientific publications in specialized international journals and reports in the specialized international conferences;
 - Organization of annual and international conference on the problems of organic agriculture;
 - Studies regarding organic products such as herbs and aromatic plants, market studies, and studies regarding organic certification process.

- **Scientific and technical description of results and objectives performance**

This project had the following results:

- Studies regarding Organic Agriculture in Romania;
- Marketing study regarding organic herbs and aromatic plants;
- Study regarding monitoring of the chain of organic herbs and aromatic plants;
- Study regarding organic certification process;
- Creation of a fourlingual network of institutions and members involved in organic agriculture, with questionnaire, dictionary, library, and knowledge base on the MLNPSOA server <http://multilingual.bionetsyst.com/>;



Fig.1 Firtst page of MLNPSOA

Fig.2 Questionnaire with the profiles of the members

	Български	English	Romania
Profiles	Упълномощаване - Процедура, по която даден управляващ орган оценява и дава формално признание дали дадена сертифицирана програма е в съответствие със стандартите на управляващия орган	Accreditation - A procedure by which an authoritative body evaluates and gives a formal recognition that a certification programme is in accordance with the standards of the authoritative body	Acreditare - Procedura prin care o institutie autorizata evalueaza si recunoaste formal un program de certificare, in conformitate cu standardele institutiei respective
Information Resources	Агробизнес - В селското стопанство агро-бизнесът е обобщен термин, който се отнася до най-различни работи, включващи хранителното производство, заедно със земеделие, семенепроизводство, агро-химикали, земеделски машини, търговия на едро и дистрибуция, технологични процеси и пазар	Agribusiness - In agriculture, agribusiness is a generic term that refers to the various businesses involved in food production, including farming, seed supply, agrichemicals, farm machinery, wholesale and distribution, processing and marketing	Agribusiness - Termen generic care se refera la diversele tipuri de afaceri din domeniul productiei agroalimentare, incluzand activitatile agricole din ferma, aprovizionarea cu samanta, produsele chimice si masinile agricole, ingrasaminte, comertul engross si distributia, procesarea, marketing-ul si vanzarile cu amanuntul
Legislation Certificates	Алтернативно земеделие -	Alternative agriculture - A	Agricultura alternativa -

Fig. 3 Terminological dictionary in the organic agriculture

➤ An important step of training and management of the professional groups in the network is the application on web-based and intelligent multimedia environments, and WINDOWS-based tasks, developed by the scientific group for knowledge testing, improvement of knowledge base, practical skills and skills for decision making of different professional groups. Example test for testing of students in organic agriculture is shown on <http://multilingual.bionetsyst.com/biology.html>;

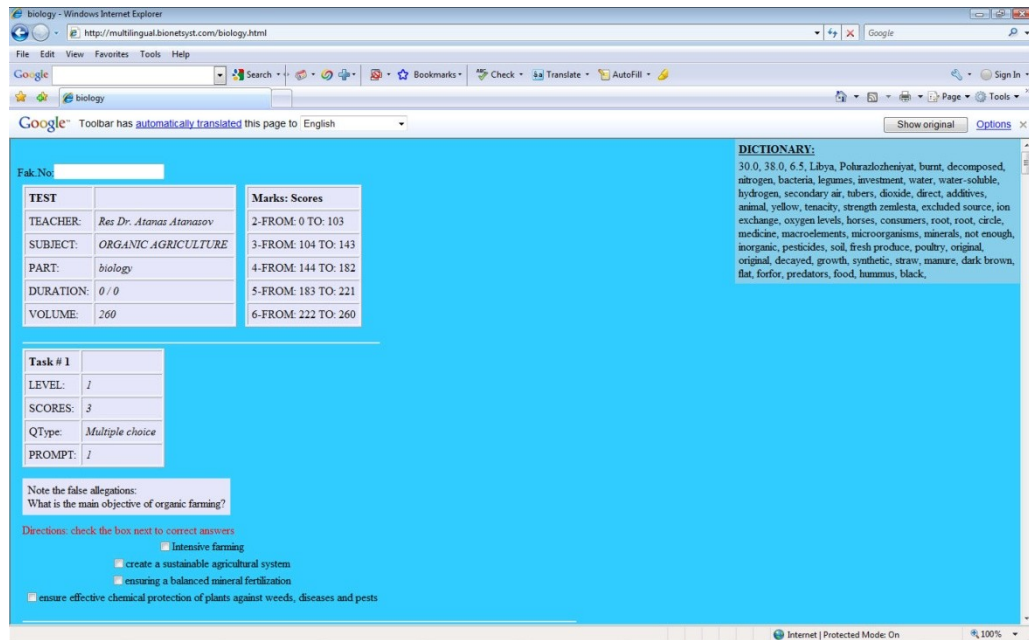


Fig. 4 Test for students testing in organic farming

➤ For information and communication services for the consumers, producers, and manufacturers for kind and quantity of the supplied and demanded products, an electronic market with common database was developed. The E-market helps users for renegotiating the prices of the products; quick distribution of the made product; express on-line paying; decrease the unduly transport and storage expenditure; quaranting for always fresh goods up to the adequate certificates; an open chance for nonstop connection consumer-producer, information discussions between producers and so on. You can see the E-market on <http://market.bionetsyst.com/>

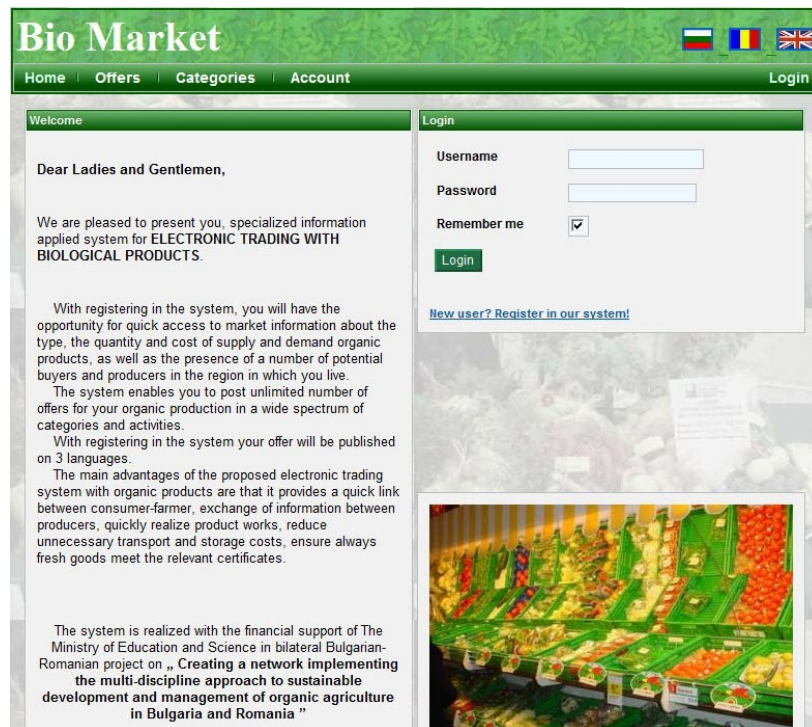


Fig. 5 Electronic market for organic products

- **Workvisits during the bilateral project:**

During the bilateral project, three workvisits were made:

- first visit took place at the "Angel Kanchev" University from Rousse, on 18-21.05.2008, and at this project meeting was present romanian team: Şandric Maria Magdalena, Martinof Ioana, Pârvu Ionel;

- on 10-12.06 2009, at Lozenec, took place an international conference named "Research People and Actual Tasks on Multidisciplinary Sciences"; it had as romanian participants: Şandric Maria Magdalena, Viorel Simac and Pârvu Ionel;

- on 23-25.11.2009, at the Institute of Food Bioresources took place the bulgarian partner vizit, this project meeting was attended by: Atanasov Atanas Zdravkov, Atanasova Polina Lubenova, Luba Nenova Iordanova, Veselin Docev Iordanov.

- **Possibilityes for economical valorification of the results obtained:**

"Multi-Lingual Network of the Professional Society in Organic Agriculture (MLNPSOA)" is the first special information applying system in the organic agriculture (OA) area in Bulgaria and Romania. The network stimulates different professional groups (managers, researchers, teachers, consultants, traders, farmers and clients), to apply a multi-disciplinary approach for a sustainable development and management of the Organic

Agriculture through modern information and communication technologies. The system affords an opportunity to acquisition, testing, training and dissemination of knowledge, skills and good practices between the partner countries. The network is open for new partners and members of the community.

The main advantage of the proposed electronic trading system with organic products is that it provides a quick link between consumer-farmer, exchange of information between producers, quickly realize product works, reduce unnecessary transport and storage costs, ensure always fresh goods with the relevant certificates.

With registering in the system, the user will have the opportunity for quick access to market information about the type, the quantity and cost of supply and demand organic products, as well as the presence of a number of potential buyers and producers in the region in which you live.

The system enables to post unlimited number of offers for organic production in a wide spectrum of categories and activities. The system offers are published in three languages (bulgaria, english and romanian).

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