



Czech University of Life Sciences Prague

Faculty of Tropical
AgriSciences



Projects

in Developing Countries
and in the Czech Republic

2011 - 2012





Czech University of Life Sciences Prague

Faculty of Tropical AgriSciences

Faculty of Tropical AgriSciences (FTA) is an independent, educational, research and scientific academic body of the Czech University of Life Sciences Prague (CULS) for research and studies of tropical and subtropical regions. It was established in 1961 as "Institute of Tropical and Subtropical Agriculture", which was later renamed to „Institute of Tropics and Subtropics“ (ITS). Faculty itself was established on 1st January 2013.

Teaching and Instruction

FTA offers education in agricultural, environmental and rural development in specific tropical and subtropical regions on both undergraduate and postgraduate levels. FTA graduates are awarded B.Sc., M.Sc. and Ph.D. degrees. Teaching activities are conducted by four FTA departments, which are provided with necessary facilities: experimental greenhouses in Botanical garden, fields, laboratories, farms and computer hardware and software infrastructure.

FTA Departments

- **Department of Crop Sciences and Agroforestry in Tropics and Subtropics** focused on crop production and agroforestry in tropics and subtropics (TS)
- **Department of Animal Science and Food Processing in Tropics and Subtropics** focused on breeding, keeping, welfare and etology of farm, domesticated and wild animals in TS
- **Department of Economic Development** focused on poverty alleviation strategies, agricultural extension, farming systems, market-chain and microfinance development in TS
- **Department of Sustainable Technologies** focused on implementation of appropriate technologies in rural areas of TS

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Faculty of Tropical AgriSciences

Other Units of FTA

There are other FTA units and activities important for its main tasks implementation:

- Advisory and Project Service Centre
- Lifelong Learning Programme Erasmus Implementation Unit
- Erasmus Mundus Programme Implementation Unit
- Development Projects Implementation Unit
- Botanical Garden

Structure of Study

The structure of study programmes respect the principles of Bologna Declaration based on 3 + 2 academic years (B.Sc.) and (M.Sc.) followed by 3 years of Ph.D. studies. The subjects are compulsory and optional.

Study programmes at FTA are as follows:

○ Two B.Sc. programmes in Czech:

- “Tropical and Subtropical Agriculture”
- “Sustainable Rural Development in TS”

○ Six M.Sc. programmes in English:

- “Tropical Forestry and Agroforestry”
- “Tropical Crop Management and Ecology”
- “Sustainable Rural Development in TS”
- “International Economic Development”
- “Animal and Food Science in TS”
- “Wildlife Management in TS”

○ Two Ph.D. programmes in Czech and English:

- “Tropical and Subtropical Agriculture”
- “Sustainable Rural Development in TS”



Farming of Elands (*Taurotragus oryx*) and Guanacos (*Lama guanicoe*) at Farm at Lány under Management of the FTA

Target Country: The Czech Republic
(with possible application in other temperate, subtropical or tropical countries)

Project Coordinator: Radim Kotrba

Project Team: Employees of the Department of Animal Science and Food Processing in Tropics and Subtropics, Faculty of Tropical AgriSciences

International scientific cooperation: University of Winnipeg, Canada; University of Veterinary Medicine in Vienna, Austria; University of Castilla-La Mancha, Spain; University of Stellenbosh, South African Republic; University of California, Berkeley

Donor: CULS, governmental and private funds

Duration of the Project: Elands - since 2002 (since 2006 at Lány), Guanacos – since 2009

Aim of the Project:

- To evaluate the breeding technology from an animal welfare perspective and raise those species for meat production, land maintenance and agro tourism in the Czech Republic
- To continue with scientific research to enhance knowledge about both, still not sufficiently known, species
- To educate and train students of FTA in breeding techniques with semi-domesticated species and to sponsor student research

Outputs of the Project:

- Scientific publications, theses of students, consultancy and intensive farming hand book for private farmers
- Tame breeding stock selected for production and intensive husbandry, primary production of quality, low-fat meat

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DEVELOPMENT PROJECTS OF FACULTY OF TROPICAL AGRISCIENCES



CZECH REPUBLIC
DEVELOPMENT COOPERATION

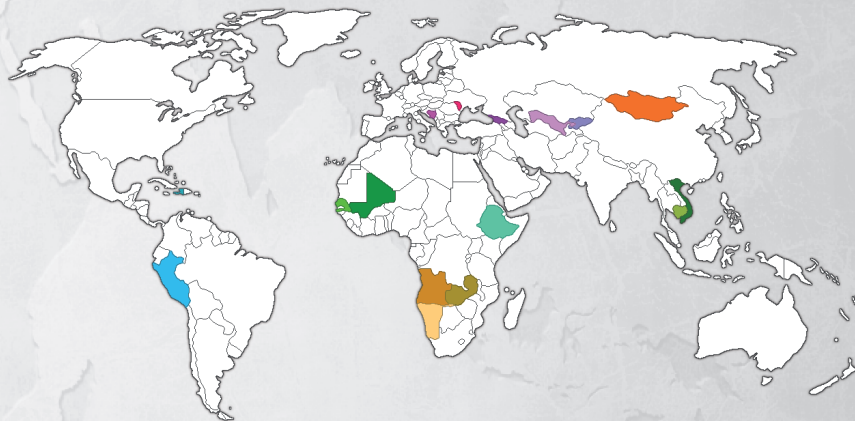
FTA research activities encompass:

- basic and applied research in the field of tropical and subtropical agriculture
- sustainable rural development in the tropics and subtropics

FTA cooperates especially with countries and regions selected according to priorities of the Czech Official Development Assistance together with countries where FTA has a long history of mutual relationship.

Our developing projects have been successfully realized in following countries:

Angola, Bosnia, Cambodia, Ethiopia, Georgia, Haiti, Jordan, Mali, Kyrgyzstan, Moldova, Mongolia, Namibia, Peru, Senegal, Uzbekistan, Vietnam, Zambia



This booklet presents developing projects realized during years 2011 and 2012.

Research is financed by government grants and private donors or entrepreneurs' contributions. New research topics are being introduced with an emphasis on the sustainable development of rural areas in developing countries. FTA is a coordinating institution and participates in both Czech and international projects (EC, FAO and UNIDO).



The projects, where FTA is participating, are mostly formulated by its research and scientific staff according to the needs of the recipient countries with the assistance of various foreign institutions involved. The project selection targets the most pressing sectors (usually food production and security, rural development) in the poorest countries or regions.

www.ftz.czu.cz

Development Projects

Support of the Agricultural Training School in Catabola

Target Country: Republic of Angola

Project Coordinator: Jana Mazancova

Project Team: Jiri Hejkrlik, Kristina Rusarova, Bohumil Havrland, Hynek Ciboch, Martina Mandova (ADRA), Vit Lesak (ADRA)

Partner of the Project: ADRA, o.s.

Partners in Angola: Ministry of Education of Angola, Directory of Agriculture of Bié Province; CONCERN, Red Cross Angola

Donor: Official Development Assistance of the Czech Republic

Duration of the Project: 2009 - 2011

Aim of the Project:

The aim of the project is to support the Agricultural school and develop training and extension services for local farmers in the Bié province. Besides the secondary-school courses including general and agriculture subjects, the project is focused on applied research and consultant services.

Outputs of the Project:

- Preparation of educational materials and texts
- Education and training in the Agricultural school
- Support of Angolan teaching staff
- Laboratories for chemistry, pedology and parasitology
- The computer laboratory and library
- Meteorological station
- Demonstration poultry-raising, livestock breeding and preparation of school plots
- Facilities for maintenance of agricultural machinery
- Centre for processing of agricultural products
- Students hall
- Consulting services and courses for state and private agricultural consultants and farmers
- The school farm in Catabola

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ANGOLA

Improvement of Institutional Conditions for the Development of Agricultural Training School in Catabola and Empowerment of Extent and Quality of Extension Services in Catabola Municipality, Bié Province

Target Country: Republic of Angola

Project Coordinator: Jana Mazancova

Project Team: Jiri Hejkrlik, Hynek Ciboch, Kristina Rusarova

Partners of the Project: ADRA o.s., ONICO s.r.o.

Partners in Angola: Directory of Agriculture of Bié Province, Directory of Education of Bié Province

Donor: Official Development Assistance of the Czech Republic

Budget: 270 274 €

Duration of Project: 2010 - 2011

Aim of the Project:

Enhancement of the institutional conditions of Agricultural Training School and improvement of extension services in Catabola.

Outputs of the Project:

- Well running officially registered Agricultural Training School
- Improvement of competencies of extension technicians in Catabola
- Sustainable operation of laboratories of pedology and parazitology and of the Centre of Processing of Agricultural Products
- Trained extension agents and teachers from Catabola and other regions
- Establishment and management of Farmers' Field Schools

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ANGOLA

Delivery of Pregnant Heifers

Target Country: Bosnia

Project Coordinator for CULS Prague: Bohumil Havrand

Project Team: Pavel Pavlik, Pavel Vyskocil

Partners of the Project: GMP, s. r. o. and Czech University of Life Sciences Prague

Partners in Bosnia: two agricultural cooperatives („Agrotim“ and „Prunus“) and NGO „Centre for Development and Support“ (CRP)

Donor: Czech Development Agency

Budget: 17 190 000 CZK

Duration of Project: 2011 - 2014

Aim of the Project:

The project aim is meeting requirements of the public order which is delivery of pregnant heifers, Czech multicoloured cattle race to partner organizations which represent small-scale peasants in South-East Bosnia.

Three partner organizations - two agricultural cooperatives („Agrotim“ and „Prunus“) and NGO „Centre for Development and Support“ (CRP), are formal recipients of the consignment of pregnant heifers. The above organizations represent 102 farmers whose activities especially focus on milk production.

Outputs of the Project:

- Delivery of 402 pregnant heifers to the final recipients (Agrotim, Prunus and CRP) according to the delivery time schedule during 3 years
- Insurance of animal health during the delivery, organization of the quarantine according to the recipient country requirements and trouble-free handing over the animals to the final recipient (Bosnian farmers)

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Capacity Building of Higher Agricultural Education in Cambodia

Target Country: Kingdom of Cambodia

Project coordinator: Petra Chaloupkova

Project team: Jan Banout, Lukas Kalous, Miloslav Petrtyl, Jiri Hejkrlik

Donor: Czech Development Agency

Budget: 50 000 €

Duration of project: 2012 - 2013

Aim of the Project:

The project is focused on support of the improvement of quality of agricultural higher education in Cambodia through cooperation between experts from the Czech University of Life Sciences Prague (CULS) and Royal Agriculture University (RUA).

Main outputs of the project include support of development in the area of research, pedagogical and international activities. The project is based on direct contribution of CULS' lecturers and managers to the development of the RUA, especially at the following faculties: Agricultural Technology and Management, Fisheries, and Agricultural Economics and Rural Development. The target group of the project includes students and teaching staff from RUA.

Outputs of the Project:

- Analysis of the current situation in the field of education, international relations and science
- Building of pedagogical and didactical capacities of local academic staff by Czech experts, implementation of the system of quality evaluation, organization of Carrier days and Film festival for students
- Identification and implementation of joint research topics, support of scientific activities of RUA and support of talented Cambodian students and their research projects
- Evaluation of accreditation of the joint/double degree program between RUA and CULS and preparation of joint project oriented to student mobility
- Provision of necessary equipment to RUA

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CAMBODIA

Promoting of the Quality and Extent of Advisory Services in Woreda Angacha, Zone Kembo Temboro

Target Country: Federal Democratic Republic of Ethiopia

Project Coordinator: Jana Mazancova

Project Team: Jiri Hejkrlik, Kristina Rusarova, Veronika Jelinkova, Lenka Peskova, Hidare Diriba Debar, Lenka Pavlickova

Partners in Ethiopia: SNNPR Bureau of Finance and Economic Development, SNNPR Bureau of Agricultural and Rural Development, Hawassa University, woreda Agricultural and Rural Development Office

Donor: Official Development Assistance of the Czech Republic

Budget: 413 306 €

Duration of Project: 2011 - 2013

Aim of the Project:

Enhancement of capacities of extension services in terms of quality and extent in woreda Angacha in SNNPR and so contributes to solutions principle obstacles impeding rural development in Kembata Tembaro zone.

Outputs of the Project:

- five Farmer Training Centres (FTCs) equipped with the necessary tools, educational facilities, demonstration fields
- two FTCs equipped with animal breeding facilities
- one FTC extended with the processing centre
- 100 development agents trained in relevant topics
- 40 farmers trained in relevant topics

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ETHIOPIA

Strategic Plan for Improvement of Agricultural Production through Capacity Building in Haiti

Target Country: Republic of Haiti

Project Coordinator: Jana Mazancova

Project Team: Jiri Hejkrlik, Dagmar Haladova, Jindriska Cepkova, Martina Vlkova

Partners of the Project: ADRA Czech republic, ADRA Canada

Partners in Haiti: Local NGOs in the Section 2 and 3 in Petit Goave

Donor: ADRA Czech Republic

Budget: 63 154 €

Duration of Project: 2010 - 2012

Aim of the Project:

- Ensurance of food and seed security of rural population in the Sections 2 and 3 of Petit Goave
- Improvement of competencies of extension agents and local farmers in agriculture and environmental protection

Outputs of the Project:

- 600 rural families with improved livelihood in a sustainable way
- 400 farmers trained in improved agricultural techniques
- 300 rural families trained in sustainable use of natural sources
- 100 extension technicians trained in principles of sustainable rural development
- Established and well managed 4 training centers with the relevant trained staff

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HAITI

Increasing of Competitiveness and Efficiency of Moldova's Small and Medium Farmers with Their Focus on Production with High Value Added - for Selected Target Groups in Areas Ungheni, Anenii Noi, Cahul

Target Country: Republic of Moldova

Project Coordinator: Bohumil Havrland

Project Team: Tatiana Ivanova, Alexander Kandakov

Partners in Moldova: ACSA Agency for Sustainable Development, Chisinau

Donor: Czech Development Agency

Budget: 2 900 000 CZK

Duration of Project: 2011 - 2012

Aim of the Project:

The project professionally promotes vegetable and fruit growing at six selected farmers groups (two farmer groups in each district), which are the project direct target groups. The cooperating vegetable and fruit growers are trained in progressive growing technologies - strategic plans of commercial growing are set up for them. They are supported with deliveries of horticulture machinery, greenhouses, irrigation equipment and other agricultural inputs.

Adaptation of the Marketing Information System (MIS) and its modification to cope with needs of vegetable and fruit growers has also been envisaged. The conferences are also held to attract the final target groups (small- and medium scale farmers, traders, and administrations in Moldovan Republic) to the project.

Outputs of the Project:

- Identified requirements of small – and medium-scale farmers and established cooperative groups of fruits and vegetable growers in selected districts displaced in all main Moldovan regions
- Strengthened capacities for increasing vegetable and fruit growers at cooperative groups of small- and medium scale growers of vegetable and fruits and other interested entities.
- Provided material support for increasing production of vegetable and fruits cooperative groups of small- and medium scale growers
- Strengthened capacities for improving marketing and commercialization of products and dissemination of project results at cooperative groups of small- and medium scale growers of vegetable and fruits and other interested entities
- Processed analyses, strategies and business plans for cooperative groups of small- and medium scale growers of vegetable and fruits and other interested entities
- Further developed Marketing Information System (MIS) pro farmers, traders and input suppliers as focused on vegetable and fruits

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MOLDOVA

Missions of Czech Professors to Moldova – Support to Increasing Quality of Higher Education in Selected Developing Countries

Target Country: Republic of Moldova

Project coordinator: Bohumil Havrland

Project team: Tatiana Ivanova, Alexander Kandakov, Lucie Ackermann-Blazkova

Partners in Moldova: State Agrarian University of Moldova (SAUM), Chisinau

Donor: Czech Development Agency

Budget: 1 200 000 CZK

Duration of project: 2012 - 2013

Aim of the Project:

The present project is focused on solution of low quality of Moldovan agricultural university education, which is closely linked to a slow development of Moldovan rural areas.

Outputs of the Project:

- Increasing quality of teaching process, research and international activities at the SAUM via university international cooperation and involvement of professors from Czech universities

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Websites: www.uasmd.md



MOLDOVA

Support of Vocational Agricultural Education in the Vocational Education and Training Center (VETC) in Darkhan

Target Country: Mongolia

Project Coordinator: Jiri Hejkrlik

Project Team: Jana Mazancova, Enkhtuya Batkhoo, Karel Vitek, Dita Hadkova, Radka Velinska

Partners in Mongolia: Ministry of Education of Mongolia

Donor: Czech Development Agency

Budget: 3 400 000 CZK

Duration of Project: 2011 - 2012

Aim of the Project:

The project contributes to the solution of the problem of a lack of qualified, practical oriented, specialists in agriculture. Its aim lies in the capacity increasing and quality improving of the vocational agricultural education in Mongolia with a focus on Darkhan Uul region.

Outputs of the Project:

- The analysis of the current situation of the institutions providing agricultural vocational education and training
- Establishment of 2.5year-long vocational education programme; the programme will be focused on repair and maintenance of agricultural machinery
- Establishment, equipment and sustainable operation of practical facilities at VETC
- Development and supply of documents and materials for modern education process
- Several trainings and seminars focused on enhancing competencies of the teachers
- Specific seminars and trainings for extension agents

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MONGOLIA

Livestock Identification System Implementation in Mongolia

Target Country: Mongolia

Project Coordinator: Jiri Hejkrlik

Project Team: Jana Mazancova, Enkhtuya Batkhuu, Petr Herold, Jan Slocar, Ondrej Simonik, Martina Luskova, Daniela Lukesova

Partners of the Project: ONICO, s.r.o.

Partners in Mongolia: Ministry of Food, Agriculture and Light Industry of Mongolia

Donor: Czech Development Agency

Budget: 8 500 000 CZK

Duration of Project: 2010 - 2012

Aim of the Project:

Main aim of the project is to contribute to the agricultural and rural development of Mongolian countryside through the establishment of the system of electronic evidence of livestock. Small-holder livestock producers will consequently benefit from improved evidence of animals and traceability of their farm products, which will bring more focused and systematic governmental veterinary and advisory support, improved possibilities of genetic improvements and increase their chances for export of their products.

Outputs of the Project:

- Design of system of electronic evidence of animals based on the system of individual barcodes for each animal, reading electronic devices and data communication to the main server
- Distribution of 100 000 animal ear-tags with barcodes in the Central region of Mongolia
- Establishment and equipment of a specialized animal evidence unit under the Ministry of Food, Agriculture and Light Industry of Mongolia
- Training of governmental and local staff in animal evidence techniques
- Promotion of animal evidence among rural small-holders and public

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Websites: www.animal-identification.mn



MONGOLIA

Livestock Identification System Implementation in Mongolia - Delivery of the Equipment

Target Country: Mongolia

Project Coordinator: Bohumil Havrland

Project Team: Jiri Hejkrlik, Enkhtuya Batkhuu

Partners of the Project: MediCom s.r.o., MAVE s.r.o.

Partners in Mongolia: Ministry of Food, Agriculture and Light Industry of Mongolia

Donor: Czech Development Agency

Budget: 5 700 000 CZK

Duration of Project: 2010 - 2011

Aim of the Project:

The main aim of the project is the design and delivery of 100 000 ear tags and hand tools for livestock identification. The laser machine LASERdiode LD50C for local ear tag marking will be delivered and installed as well.

Outputs of the Project:

- Design, transport and installation of the laser machine LASERdiode LD50C in Mongolia
- Design and transport of 100 000 ear tags and hand tools for livestock identification
- Training of local technicians

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MONGOLIA

Quality of Education Improvements at the Mongolian State University of Agriculture

Target Country: Mongolia

Project coordinator: Jiri Hejkrlik

Project team: Jana Mazancova, Petra Chaloupkova, Vladimir Verner, Gombodorj Ganchimeg

Partners in Mongolia: Mongolian State University of Agriculture

Donor: Czech Development Agency

Budget: 1 310 000 CZK

Duration of project: 2012 - 2013

Aim of the Project:

The project contributes to the improvement of quality of Mongolian higher education in the field of agricultural and rural development through the transfer of know-how between Czech University of Life Sciences Prague (CULS) and Mongolian State University of Agriculture (MSUA). The project will be based on direct contribution of Czech university lecturers and managers to the development of the School of Economics and Business (SEB) of MSUA.

Outputs of the Project:

- Analysis of the current situation in the field of education, international relations and science and several activities in each domain will be executed based on these results
- Building of pedagogical and didactical capacities of local academic staff, introduction of modern teaching methods (case study teaching, discussions, project design and implementation, e-learning etc.), introduction of the system of quality management, monitoring and evaluation, support of IT systems for students and lecturers and enhancement of English speaking abilities of Mongolian lecturers
- Identification and implementation of joint research topics, support of scientific activities of SEB and support of talented Mongolian students and their research projects
- Evaluation of accreditation of the joint double-degree program between MSUA and CULS and improvement of readiness of MSUA students for international mobility
- Improvement of selected courses through direct participation of Czech FTA/CULS lecturers in Mongolia and equipment of SEB with necessary equipment and teaching material

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MONGOLIA

Derbianus Czech Society for African Wildlife: The Western Derby Eland Conservation Programme in Senegal

Target Country: Republic of Senegal

Project Coordinator: Karolina Kolackova

Project Team: Pavla Hejzmanova, Petr H. Verner, Pavla Vymyslicka, Magdalena Zackova, Tamara Haberova, Pavel Brandl and other members of NGO Derbianus CSAW

Partner of the Project: Directorate of National Parks of Senegal (DPN), Society for the Protection of the Environment and Fauna in Senegal (SPEFS), The Prague Zoological Garden, World Association of Zoos and Aquariums

Donor: Private donations to Derbianus CSAW

Duration of the Project: since 2010

Aim of the Project:

Derbianus CSAW is non-governmental organization and was founded by a group of experts from the Faculty of Tropical AgriSciences in 2010. The main activities of Derbianus CSAW are focused on the conservation programme of Western Derby Eland (*Taurotragus derbianus*) in Senegal. The conservation programme is based on three main pillars: population management, research, and education.

Outputs of the Project:

- More than 80 Western Derby Elands in the semi-captivity in Bandia and Fathala reserves in Senegal
- Fifth breeding and second bachelor herd created in last two years - twenty-two antelopes transported between reserves.
- The population management based on annual identification of new born calves in reserves
- New knowledge of ecology, feeding behaviour and genetics of Western Derby Eland
- Educational programmes for children and workshops for reserve staff, teachers, and local people in Senegal and in the Czech Republic
- Leading of the studbook for the Western Derby Eland together with FTA, Prague Zoo, and SPEFS
- Cooperation with Antelope & Giraffe Group of Czech and Slovak Union of Zoological garden (UCSZ), EAZA Antelope & Giraffe TAG, IUCN Antelope Specialist Group, zoological gardens of Plzen, Jihlava, Ostrava, Liberec (CZ), and Lord Derby's Knowsley Safari Park (UK)

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SENEGAL

Renewable Energy Resources for Rural Areas in Thua-Thien Hue Province

Target Country: Socialist Republic of Vietnam

Project Coordinator: Jan Banout

Project Team: Vladimir Verner, Jana Mazancova, Martin Hejral, Martin Libra, Nguyen Thi Hong Ly, Le Van Binh, Daniel Svoboda, Jan Pavlik, Stanislav Bock, Ondrej Urban, Vojtech Musil, Pavel Stepanek, Hynek Roubik, Petra Machackova, Tereza Hankeova, Pavla Kvetova

Partners of the Project: Development World Wide o.s., Dekonta a.s., Enviros s.r.o.

Partners in Vietnam: Thua Thien Hue Agricultural Forestry Fishery Extension Centre Hue, Thua Thien Hue Department of Foreign Affairs, Thua Thien Hue Department of Science and Technology Hue city

Donor: CULS Prague, Czech Development Agency

Budget: 9 450 000 CZK

Duration of Project: 2011 - 2013

Aim of the Project:

- to improve the access of rural households in the central Vietnam (Phong Dien and Huong Tra districts, Thua Thien Hue province) to sustainable energy resources
- to use renewable sources of energy for thermal and electric energy production and to provide capacity building in this area

Outputs of the Project:

- Construction of household level anaerobic digesters in Phong Dien and Huong Tra district to produce sufficient quantities of biogas, which cover household energy needs for cooking and possibly lighting (in accordance with the „Biogas Program for the Animal Husbandry Sector in Vietnam”, which is implemented in whole parts of the country)
- Installation of two experimental Photo-Voltaic units for monitoring an electricity production under the specific conditions in the target area
- The implementation of the above mentioned technologies will be accompanied by information campaigns, training courses and workshops for target groups and project beneficiaries

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VIETNAM

Activities of FTA in developing countries 2000 - 2010

Republic of Angola

- Establishment of the Centre of Agricultural Education in the Bié Province (2003 – 2005)
- Centre of Agricultural Education in Bié Province (2006 – 2009)
- Consultancy in Fish and Poultry Production (2006 – 2009)
- Capacity Building in the Area of Fish and Poultry Production (2008 – 2009)

Republic of Georgia

- Establishment of Agor-service Center in Martivili, Region Samegrelo (2009 – 2010)

The Hashemite Kingdom of Jordan

- Crossbreeding of imported mutton and prolific sheep breeds with local Awassi sheep and the development of research, training and extension Centre in Jordan (2002 – 2008)

Republic of Mali

- Experimental and Training Center in Republic Mali (2001 – 2005)

Republic of Moldova

- Support to the Study Programme Development at the State Agrarian University of Moldova in Chisinau and Harmonization of its Educational System with EU Standards (2006 – 2008)
- Support to the Rural Development - the Improvements of Management Qualifications and Advisory Capacities (2006 – 2009)

Mongolia

- Identification of Animals in Central Region (2007 – 2009)

Republic of Namibia

- Support to Development of Secondary and Tertiary Agricultural Education in Namibia (2003 – 2005)

Kyrgyz Republic

- Sustainable Rural Development in Leylek District (2008 – 2010)

Republic of Peru

- Establishment of Development and Extension Centre for Sustainable Agriculture in the Peruvian Amazonia (2003 – 2006)
- Sustainable Management of Natural Resources in Peruvian Amazon (2007 – 2009)

Republic of Senegal

- The Conservation and Breeding of the Western Giant Eland in Senegal (2000 – 2006)
- Support to Natural Reserves and National Parks of Senegal (2007 – 2009)

Republic of Uzbekistan

- Improvement of the Quality of Drinking and Irrigation Water in the Aral Sea Region by Cleaning Equipment and Sorbents Produced in the Czech Republic (2004 – 2008)

Socialistic Republic of Vietnam

- Support of freshwater fish farming in mountain areas (2008 – 2010)
- Sustainable Development in Phong My Commune (2006 – 2009)
- Technical and Methodical Assistance in Development of Technical, Environmental and Agricultural Engineering at the Hanoi Agricultural University (2006 – 2010)

Republic of Zambia

- Improving the Production Characteristics of Livestock in Kaoma District (2007 – 2009)

For more information about these projects, please, see our websites www.ftz.czu.cz.

Educational Projects

EURASIA2

EUROPEAN ACADEMIC MOBILITY NETWORK WITH ASIA

Duration of Project: 2010 - 2014

Project Coordinator: Faculty of Tropical AgriSciences, Czech University of Life Sciences Prague

Donor: European Commission - The Education, Audiovisual and Culture Executive Agency (EACEA)

Budget: 2 467 150 €

Partners of the Project:

Asia: **China** (Nanjing Agricultural University, Northwes A&F University), **Indonesia** (Bogor Agricultural University, Tadulako University), **Laos** (National University of Laos), **Malaysia** (University Putra Malaysia), **Mongolia** (Mongolian State University of Agriculture), **Thailand** (Chiang Mai University, Thammasat University), **Vietnam** (Can Tho University, Hanoi University of Science and Technology, University of Economics Hochiminh City)

Europe: **Austria** (University of Natural Resources and Applied Life Sciences), **Czech Republic** (Czech University of Life Sciences Prague), **France** (Universite SupAgro Montpellier), **Germany** (Goettingen University, Humboldt University of Berlin), **Poland** (Warsaw University of Life Sciences), **Sweden** (Göteborg University), **The Netherlands** (Wageningen University)

Associates: **Cambodia** (Royal University of Agriculture), **France** (CIRAD), **Indonesia** (University Gadjah Mada), **Thailand** (Kasetsart University, Prince of Songkla University), **Vietnam** (Research Institute for Aquaculture N.1); **Europe** (Agrinatura Association)

Aim of the Project:

- To contribute to the promotion of the European system of higher education world-wide (Bologna Declaration)
- To strengthen the existing network of co-operation among universities in Asia and Europe by expanding experiences
- To improve education and research capabilities of EU and Asian countries in subjects relevant to sustainable environmental and natural resource management (i.e. applied life sciences in the broadest sense of the term) to meet present and future societal challenges by contributing to education for sustainable development
- To promote cooperation and solidarity among scientists and scholars in the EU and Asian partner countries
- To contribute to the enhancement of academic and professional staff expertise in the area of human resources
- To produce and transmit scientific and scholarly knowledge and information on curricula development

Outputs of the Project:

- In total 120 mobility flows from Asian partner universities to EU (involve Bachelor, Master, Doctorate and Post-doctorate students as well as Academic staff)
- Doctoral theses (including a co-supervisor from the sending institution)
- Further scientific cooperation between the institutions on topics of mutual interest
- Contribution to exchange information about the Bologna process and the ECTS system via mobility of post-docs and academic staff
- Development of further joint research and educational projects

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Duration of Project: 2012 – 2016

Project Coordinator: Humboldt-Universität zu Berlin, Germany

Project Joint Co-ordinator: Universidad Autónoma de Chapingo, Mexico

Donor: European Commission - The Education, Audiovisual and Culture Executive Agency (EACEA)

Budget: 9 960 000 €

Partners of the Project:

Latin America: **Argentina** (Universidad Nacional del Nordeste), **Chile** (Universidad de Los Lagos), **Colombia** (Universidad Nacional de Colombia, Universidad del Magdalena), **Costa Rica** (Facultad Latinoamericana de Ciencias Sociales), **Cuba** (Universidad de La Habana), **El Salvador** (Universidad Centroamericana “José Simeón Cañas”), **Guatemala** (Universidad de San Carlos, Universidad Rafael Landívar), Honduras (Universidad Nacional Autónoma de Honduras), **Mexico** (Universidad Autónoma de Chapingo, Universidad Veracruzana), **Nicaragua** (Universidad Nacional Autónoma de Nicaragua, Universidad de las Regiones Autónomas de la Costa Caribe Nicaragüense), **Venezuela** (Universidad de los Andes)

Europe: **Austria** (University of Natural Resources and Applied Life Sciences), **Czech Republic** (Czech University of Life Sciences Prague), **Finland** (University of Turku), **France** (Universite SupAgro Montpellier), **Germany** (Humboldt University of Berlin), **Italy** (Sapienza University of Roma), **Spain** (Universidad de Córdoba, Universidad de Deusto)

Aim of the Project:

The main objective is to deepen the existing cooperative relations between universities in Latin America (LA) and Europe, contributing to the creation of internationally attractive, competence oriented and high-quality education & research activities, as well as promoting multidisciplinary, multilateral academic and scientific cooperation with a long-term perspective. Moreover, students become agents of change and embody the introduction of new knowledge and professional networks when they return to their home countries.

The EULALinks specific objectives:

- To increase capacities for structured international cooperation and compatible study offers by increasing of the cooperation and solidarity among scientists and scholars and by strengthening of the capacity for international and interdisciplinary cooperation
- To build broad patterns of high quality mobility and collaboration leading to sustainable interdisciplinary research clusters guaranteeing mobility from less developed areas and the participation of women and indigenous people
- To join forces in promoting sustainable development, cultural diversity, social and democratic values of the EU and Latin America
- Better understanding of the multifaceted and rich Latin American culture and its huge experience in participatory processes, learning and intellectual development
- To contribute to sustainable development in the partner countries through targeted education and research activities developed together with local stakeholders

Outputs of the Project:

- More than 100 mobilities from less developed regions, chosen on academic criteria
- To distribute the social and democratic values of the EU and to promote a better understanding of LA in Europe
- Support of higher education disponibility for indigenous people and women from Latin America

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Research and Science



FTA is an active member of international association Agrinatura (The European Alliance on Agricultural Knowledge for Development), Agrinatura secretariat has been hosted at the CULS since 2004.

AGRINATURA is a new alliance formed by 33 European universities and research organisations from 16 European countries working in agricultural research, education, training and capacity strengthening for development.

AGRINATURA members are involved in a broad range of issues related to agricultural research and education for development contributing through their expertise and experience.

AGRINATURA focuses on initiatives that open up new opportunities for farmers to enhance food security and improve the agro-food sector in general, whilst reducing the negative impact of agricultural activities on the environment.

AGRINATURA's vision

An active European Research Area that join forces with international partners, especially from developing and emerging countries, for agricultural research and education for development with sufficient critical mass to meet the common global challenges, in partnership with.

Fields of interest:

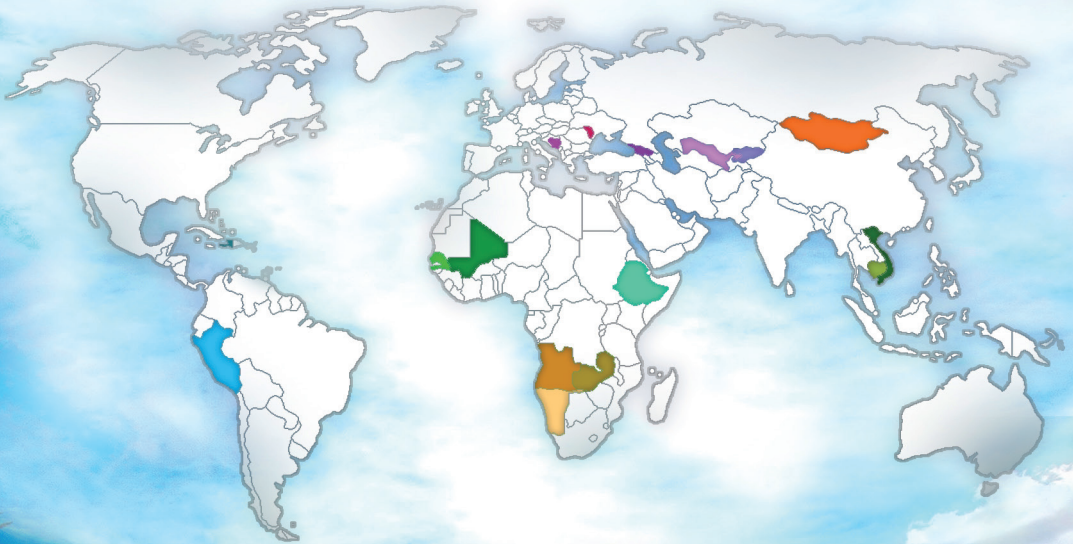
- Tropical and subtropical agriculture
- Food & human nutrition
- Natural resources
- Forestry
- Veterinary medicine
- Fisheries





Czech University of Life Sciences Prague

Faculty of Tropical AgriSciences



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