

On behalf of National Agricultural University of Ukraine we are pleased to inform you that we would like to establish scientific cooperation between National Agricultural University of Ukraine and Scientific and Research Institutions abroad within the Framework Program 7 (FP7) of EU research and technological development.

Thus, we would like to apply for Collaborative Project within the 7th Framework Program (FP7).

You may also know, that the First Call for Proposals was published at the Cordis web-page at 22 December (http://cordis.europa.eu/fp7/home_en.html). As it was written FP7 is "The EU's largest ever funding programme for research and technological development ".

The calls, related to research for "food, agriculture and biotechnology" could be linked at:

http://cordis.europa.eu/fp7/dc/index.cfm?fuseaction=UserSite.CooperationDetailsCallPage&call_id=16

The calls, related to research for "environment" could be linked at:

http://cordis.europa.eu/fp7/dc/index.cfm?fuseaction=UserSite.CooperationDetailsCallPage&call_id=6

The dead line for submitting proposals is 02 May 2007, so we are pressed of time.

There are attached files with profiles of scientific and research working groups from National Agricultural University of Ukraine. All of these profiles are concerning topics of FP7 of EU research program.

Request for your response

In case you have interested in National Agricultural University of Ukraine as the partner of consortium of collaborative project and making an application to the 7th Framework program, please send your co.profile and indication within one week from receipt.

Sincerely yours,
National Agricultural University of Ukraine

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**PROFILE OF WORKING GROUP FROM NATIONAL AGRICULTURE UNIVERSITY
OF UKRAINE
TO THE 7TH FRAMEWORK PROGRAM, RESEARCH
VALERIY KONOVALCHUK**

My name is Konovalchuk Valeriy I am associate professor at the Institute of Forestry and Landscape Architecture of the National Agricultural University of Ukraine, Kyiv.

In Ukraine I am a leading scientist in the particular field of *Vaccinaceae* culture studies (cranberries, highbush and lowbush blueberries, bilberries and lingonberries) i.e. their biodiversity and ecology, growing, preservation and utilization. I have one of the best collections of cultivated and wild accessions of species of genus *Vaccinium* and *Oxycoccus*. The wild accessions are of particular interest because of their resistance to extreme environment condition (accessions from the top of Carpathian Mountains and Chernobyl region), resistance to particular diseases and new morphological trait such as wild white bilberry.

I have worked with a team of scientists from different Institutions in Ukraine and National preserves of Ukraine on a number of national projects. Among our partners in Ukraine are Ministry of Ukraine of environment protection, Ministry of Agrarian Policy, State Forestry Committee of Ukraine. One of the my resent collaboration partner is the laboratory of arbitration studies and new methods of plant varieties examination of Institute of Plant varieties examination (State Service on Right Protection for Plant Varieties), which dealing with molecular genetic investigation of crop plants (genotyping, screening and genes identification etc.).

Together with the group of laboratory of arbitration studies of Institute of Plant varieties examination (Ukraine) (Dr. Anastasiya Zlatska) as well as teams from Agricultural Academy of Lublin, Poland (Prof. Jerzy Adam Hortynsky); Agricultural Academy of Krakow, Poland (Dr. Monika Bieniasz); Fruit Research Institute Pitesti-Maracineni, Romania (Dr. Paulina Mladin) and Humbolt-University of Berlin, Germany (Dr. Ina Pinker) we are going to start the project dealing with integrated phenotyping and genotyping of collections of *Vaccinaceae* accessions, screening for plants of great value for breeding and management of protected areas as well as for natural regeneration of forests and swans under anthropogenic stress (such as Chernobl etc). The particular interests will be paid for phenological and molecular-genetic investigation of unique plant accessions like wild white bilberry and sources from regions contaminated from Chernobyl'. Some accessions will be tested in different environment conditions in order to study adaptation and influence of environment on yield as well as through the large-scale genotyping to analyze the locuses with particular influence on adaptation and plant environment interaction

Therefore with all mentioned above we are specially looking for collaborators in order to take part in a framework of the EU Work Programme 2007 in particular directions i.e.:

1. CALL 1: FP7-KBBE-2007-1

KBBE-2007-1-1-01: Development of new tools and processes to support R&D in crop plants: molecular breeding Call: FP7-KBBE-2007-1

2. KBBE-2007-1-2-05: Novel forest tree breeding Call: FP7-KBBE-2007-1

References:

1. **1.** Konovaltschuk V.K. Der Vaccinium-Anbau in der Ukraine und andere Landern der GUS. - Erwerbs-Obstbau, Heft 1, Berlin, Januar, 1994. s. 23-25.
2. Konovalchuk V.K., Konovalchuk V.V., Big potential for small-fruited Species. - Cranberries, USA, Mai, 1999, p.16-17.
3. Konovalchuk V.K., Konovalchuk V.V., Kultivaniion of *Vaccinium macrocarpon* Ait. on exhausted Peat-swampsand protection of the peat-swamps with *V.oxycoccus* L. / Proceedings of the Sixth International Symposium on Vaccinium Culture, Maine, Orono, USA,12-17 August,1996. p. 257-258.
4. Konovalchuk V.K. Introduction and growing of highbush blueberries in Ukraine.- Problems of rational utilization and reproduction of berry plants in boreal forests on the eve of the XXI century /Proceedings of the International Conference, 11-15 September 2000, Glubokoe-Gomel, Belarus, p. 162-165.

5. The resources of wild lowbush blueberries (*Vaccinium myrtillus* L., *Vaccinium uliginosum* L.) and highbush blueberry culture in Ukraine. *Acta Horticulturae* 715, August, 2006.// Proceedings of the Eighth International Symposium on Vaccinium Culture. Seville, Spain, Oeiras, Portugal. - P. 55-59.
6. Opracowanie ukraińskiego standardu "Zurawina świeża Warunki techniczne i jego właściwości Skerniewice: Uprawa borowki i zurawiny. Międzynarodowa Konferencja. 19-22 czerwca 2006 roku. Poland.- P. 108-118

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