

**Dear colleagues!**

We would like to introduce our working group from **Educational & Research Institute of Environment & Biotechnologies** of National Agricultural University of Ukraine:

**Dr. M. Melnychuk** – Director of Institute of Environment & Biotechnologies

**Dr. Grygorjuk** – Prof., Corresponding Member of National Academy of Science of Ukraine. Director of the Center of Biotechnologies & Biotechservices and Bioconversion

**Dr. V. Chayka** – Prof., Director of the Center of Agricultural ecology, Standardization and Certifications of Objects and Territories

We have been working in the field of plant physiology and plant biotechnology for many years. We are particularly concerned with the development of wood plants adaptation to different stressors. In mega-cities as large air-pollution “hot-spots” tree plantation could be considered as good indicator of air quality as well as influence of the climatic change. In Kyiv city there are more than 9 millions of trees. The main function of the tree plantation is to clean the low atmosphere from dust and gases. Since 2003 Kyiv has been considered as one of the cities with the most polluted air; and worsening of physiologic state of green plantation has been registered as well. On the background of this situation most pests, for instance chestnut moth and diseases, are reproduced and developed more intensively.

We would like to try to establish scientific cooperation between our University and research Institutions abroad. One of the best ways is to try to apply for the Large Integrated Project within the Framework Program 7 (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](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”.

One of the calls, related to “food, agriculture and biotechnology” could be linked at [http://cordis.europa.eu/fp7/dc/index.cfm?fuseaction=UserSite.CooperationDetailsCallPage&call\\_id=6](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. In attachment you will find the package of all essential documents, I have downloaded from the site.

As far as I can guess, the first thing to start with is to find the appropriate “thematic priority” in the list of all those “activities”, and to write a good project, which fit this priority in the best way, and then apply via the web to the Brussel.

We have studied some of the documents and have picked up some priorities appropriate for writing a proposal.

**We are specifically looking for a European Union Framework Program 7 (FP7) consortium to join on the Working program topics (ENVIRONMENT):**

**ENV.2007.1.1.2.1. Megacities and regional hot-spots air quality and climate**

***Area 6.1.1.2. Emissions and Pressures: Natural and anthropogenic***

**ENV.2007.1.1.2.1. Megacities and regional hot-spots air quality and climate**

Impacts of air pollution from megacities and large air-pollution “hot-spots” in Europe and elsewhere. Integrated research on emissions, their local impacts with special emphasis on air quality and associated risks, and their regional to global impacts. Assessment of mitigation options and quantification of impacts from polluted air-masses on larger scale atmospheric dynamics (physics and chemistry, hydrological processes, long-range/hemispheric transport etc.) as well as other important feedbacks between air quality, climate and climate change. The participation of international cooperation partner countries is encouraged.

**Funding scheme: collaborative projects (small or medium-scale focused research projects)**

***Expected impact:*** A better quantification of air quality, mitigation options and availability of more reliable tools for prediction of air pollution in cities. Support to EC Thematic Strategy on Air Pollution and Air Quality regulation. Better quantification on regional and global links between air pollution, climate and climate change necessary to underpin mitigation and other policy initiatives.

Let's try to apply for the large integrated project, where one of the collaborators would be you, another one – National Agricultural University of Ukraine (I can guarantee you the “green light” from my side) and we can to this list any other interested party you know (the minimum amount of partners is 3-4)!!!!

I think these notes could be extended to the hundreds of pages of the detailed project if you could help in finding interested experts from you side.

I think we should at least try to do something for it realization. What do you think?

We would be grateful for information about this subject. [Any other possibility for collaboration would be also welcome.](#)

**References:**

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***Contact information:***

**Dr. Olena Shulga**

PhD in Biology

Head of Department for International Affairs of ULQSAP

National Agricultural University of Ukraine

15 Geroiv Oborony Street

03041 Kiev, Ukraine

Educational building 3, off.61

Tel.: +38 044 527 82 42, 527-51-75

Fax.: +38 044 275 71 55

Cell: +38 066 192 32 16

E-mail: [Olena.Shulga@nauu.kiev.ua](mailto:Olena.Shulga@nauu.kiev.ua)

[olenashulga@yahoo.com](mailto:olenashulga@yahoo.com)