



Enhancing the Bilateral S&T Partnership with Ukraine*Advanced Innovative Approach

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Abstract	The deliverable at hand provides information about the implementation of the Task 2.3 - Analysis, promotion and monitoring of the participation of EU researchers in Ukrainian state S&T programmes, in particular about the progress of the work with regards to the RTDI programme database at www.bilat.eu portal.
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Versioning and Contribution History

Version	Date	Modification reason	Modified by
v.01	09.01.2013	Concept note for D2.27 (Regular inputs to ACCESS4EU + progress report): by end of December (weeks 51/52)	Platonov, Shevtsova, Radchenko (NASU)
v.02	16.09.2013	Data-base on BILAT web-site (http://www.bilat.eu/) on 58 state targeted programs of Ukraine	Platonov, Shevtsova, Radchenko (NASU)
v.03	10.06.2015	6 programmes on regular input to www.BILAT.EU	Platonov, Shevtsova, Radchenko (NASU)
v.04	20.06.2015	D2.27 – Progress report on regular input to www.BILAT.EU	Platonov, Shevtsova, Radchenko (NASU)
v.05	26.06.2015	Internal review, Finalisation of the deliverable	Platonov, Shevtsova, Radchenko (NASU), Gabriela Cikikyan (ZSI)

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Executive Summary

Task 2.3 aimed to analyze, promote and monitor the participation of EU researchers in Ukrainian state S&T Programs by, among others (such as writing the reports¹), enlarging the RTDI program database with the Ukrainian state S&T Programs open to the foreign researchers at www.bilat.eu portal.

The main purpose of the State Scientific and Technical Programs of Ukraine representation on the site www.bilat.eu is to create information environment, aimed at raising interest among western scientists to participate in these Programs - so, that they can identify possible synergies in EU-Ukraine science and technology policy cooperation and make the best of it. Conditions for such participation of western experts are described on the site www.bilat.eu.

Concomitant purpose of this task was to stimulate the Ukrainian authorities to create a regulatory environment for the real involvement of the EU experts into various forms and formats of participation in the formation and implementation of Ukrainian State Scientific and Technical Programs. Among possible forms of such participation were considered following:

- experts involvement in proposed projects proposals estimation,
- experts involvement in evaluation of project results,
- participation of western specialists in scientific conferences, that are regularly (sometimes yearly) organized to discuss the Program results,
- possible involvement of western experts in the projects,
- making proposals for the transfer of results outside the S&T Program, etc.

Task 2.3 investigated regulatory acts of Ukraine, related to the S&T Programs formation and summarizing the results. We analyzed the opportunities and limitations within the Ukrainian law for involving western scientists in different forms of participation in these Programs. Task 2.3 used variety of activities (consultations, conferences, meetings, etc.) to discuss possible regulatory compliance of foreign experts' participation in the development of Scientific and Technical Programs in Ukraine.

Special attention was paid to the State Scientific and Technical Programs, which are managed by the National Academy of Sciences of Ukraine (NASU). With experience in managing similar programs, NASU successfully develops its own academic research programs. The priorities and objectives of the academic programs complement the relevant priorities and objectives of the State Science and Technical Programs in Ukraine.

With the end of 2013 due to a worsening of socio-political situation in Ukraine the implementation of section 2.27 has met with force majeure obstacles. Some of the state Scientific and Technical Programs were not prolonged and some of them were tentatively closed. Issues of possible involvement of western experts in the development of those Programs have temporarily lost their relevance. In 2015 State Scientific and Technical Programs were suspended. Prospects for the resumption of such Programs so far are not discussed. At the same time, NASU Targeted Research Programs are still functioning.

The questions of European experts' participation in the State Scientific and Technical Programs will become relevant again after the renewal of complex approach to solving the important social and economic problems in Ukraine.

¹ E.g. [Working Paper on the \(lack of\) international orientation of the Ukrainian state S&T programmes](http://bilat-ukraina.eu/_media/BILAT-UKRAINA_State_programmes_V2_final.pdf), http://bilat-ukraina.eu/_media/BILAT-UKRAINA_State_programmes_V2_final.pdf

1 INTRODUCTION

The format of the projects' registration and monitoring on the site www.bilat.eu differs from those used in State Scientific and Technical Programs in Ukraine. This difference is due to the specific requirements of the regulatory base of Ukraine. The latter does not regulate possible forms of foreign experts and institutions' participation in Ukrainian State Programs.

There is no systematic presentation of targeted research programs NAS.

At the meetings and conferences, related to the formation and implementation of each specific research program, the participation of foreign experts and institutions were considered as an issue "for information of the audience", since each program is formed and carried out according to the requirements of a clear regulatory framework in Ukraine.

On the other hand, the discussion in the committees of the legislative body of Ukraine of the issues of creation of the regulatory framework, allowing participation of foreign experts and institutions in the programs of Ukraine, requires systematic studies and initiative proposals from the side of the ministries and departments of Ukraine, including National Academy of Sciences of Ukraine.

In addition, the objectives of the project did not include preparation and submission of the draft legislation on the participation of foreign experts and institutions in the state scientific and technical programs in Ukraine.

In the first phase of the project task, the work was done to collect information on scientific and technical programs, consultation with management and the boards of such programs, assessment of the potential involvement of Western experts into implementation and evaluation of the programs.

The results of the consultations were not legalized in the format of official documents. Collection and presentation of programs on www.bilat.eu has been carried out according to the permissions, given by the administrator of the portal.

2 PROGRESS OF THE WORK

2.1 STARTING THE WORK IN 2013

The first phase of the work was to study legal decisions of the Ukrainian government on the formation of each particular scientific and technical program of Ukraine in order to find out the possibilities of attracting foreign experts and institutions to the formation, implementation, and summing up of the program. Task 2.3 has produced one working paper on the international orientation of the Ukrainian state S&T programmes in order to support the discussions within the JSTCC.

It was found out that legislation of Ukraine did not practically offer the possibility of attracting foreign experts to the state programs.

Information about 58 relevant state programs was translated into English and there have been completed forms according to the requirements of the site www.bilat.eu.

Info about the state program was enriched with the information about targeted complex programs of NASU researches. At the same time, each entry at www.bilat.eu referred to the site www.nas.gov.ua, where each programme has been presented in a more detailed way.

2.2 2014

In 2014 there were no changes in the list of public and academic programs.

However, task partners carried out consulting work to find conditions for legislative initiatives on strengthening the involvement western experts and institutions in the government and academic research programs.

According to the results of consultations one can make a preliminary conclusion, that further researches are needed to be conducted for the harmonization of interests of organizers and executors of the programs with respect to the issue of supporting or disregarding participation of foreign experts and institutions in these programs. Attempts to create a site for a detailed public presentation of the results of some programs show that among scientific project leaders there are opposing views on the need for such submission in the context of the EU's priorities.

Besides, there was no attempt to improve the format of scientific conferences within the programs and enlarge it to the international audience.

2.3 2015

Carrying out work on the tasks 2.3 on the next stage required essential adjusting, because starting from the beginning of the 2015, science and technology programs of Ukraine have been cancelled in connection with economic situation deterioration and aggression from side of Russian Federation.

As a consequence of this, sources of information to supplement the database disappeared.

Consultations, meetings on the preparation of regulatory conditions and the rules to address these problems in the future took place, in particular:

- Discussion of concepts of science and technology programs with the involvement of experts from the EU;
- Legal grounds and possible rules of involvement of EU experts on the stages of competitive selection of projects, evaluation of project implementation, as well as the practical implementation of these results. Issue of searching for experts from the EU. Organizational and information support of the expertise. Requirement for the indexes of expert opinions, with taking into consideration of the priorities of Horizon 2020, as well as national priorities of scientific and technical activities;
- Search for projects of the EU and Ukraine, close by object and subject of research. Organization of coordination of such researches and of cooperation in such projects in order to avoid duplication of work and improve their level. Stimulation of performing of the joint scientific publications and research reports on the conferences;
- Wide dissemination of the results of completed projects, including assessments of conformity of the program to the priorities of «Horizon 2020». Informing potential partners in the EU on the possible implementation of these results. Creating a database of results with access to potential partners from the EU;
- Organization and holding of major international events (conferences, symposia, congresses themed) in Ukraine with involving experts from the EU.

For EU partners, the possible fields of cooperation might be as follows:

- Involving experts from the EU to the development of scientific and technical programs of Ukraine, participate in the expert evaluation of the proposed projects and the

implementation of the results of these projects, as well as to organize implementation of project results;

- The opportunity to coordinate the projects of the same thematic focus, but performed independently in the EU and Ukraine. Organizing on that basis research staff exchange programs.
- The ability to use the existing infrastructure of scientific-research centres of Ukraine.

Therefore despite fact, that a lot of State programmes have been cancelled, NASU found the possibility to maintain the research activity by launching and prolonging some State Programmes in a form of NASU-funded ones.

Analysis of mentioned programmes has been carried out to find the possibilities for international cooperation within them and to engage foreign researchers.

Finally, 6 programmes appeared to respond to the required conditions. The template for performing them at www.bilat.org web-site was elaborated and sent to persons in charge (programme managers) of the appropriate ones (see Annex). The answers received have been analysed, programs conception abstracts were translated in English and used for filling the mentioned web-site.

3 CONCLUSIONS

The results of the task work could be reflected in following conclusions:

1. Presentation of state scientific and technical programs of Ukraine and the targeted complex programs of NASU on the site www.bilat.eu has been important for raising the discussions on the involvement of foreign experts and institutions in these programs. However, we have no evidence that this work at its current stage would lead to the real involvement of the European Union scientists in public and academic programs of Ukraine.
2. Attempts to initiate involvement of the EU experts to participate in any selected program in Ukraine were hindered by the lack of the necessary corresponding regulatory framework in Ukraine.
3. The aggression of the Russian Federation in the spring of 2014 has led to the cancelation of state scientific and technical programs in Ukraine for undefined period of time.
4. In 2015, data-base www.bilat.eu containing information on 58 Ukrainian S&T programs is updated with the information about 6 new programs of National Academy of Sciences of Ukraine (opened in 2015): Programs of fundamental researches of NAS of Ukraine - «Targeted complex interdisciplinary research program "Molecular and cellular biotechnology for medicine, industry and agriculture" (2015-2018), "Targeted complex program of NAS of Ukraine on scientific space researches for years 2012-2016", "Prospective studies of plasma physics, controlled thermonuclear fusion and plasma technologies" (2014-2016); Programs of applied researches of NAS of Ukraine - Targeted Complex Program for Researches "GRID - infrastructure and GRID-technologies for scientific researches and applications" (2014-2018), "Development, creation and use of the world's largest Ukrainian low-frequency radio astronomy components and systems" (2014-2017), "Biological resources and the latest technology bio-energy conversion" (2013-2017)

4 ANNEX - COMPLEX PROGRAMS OF FUNDAMENTAL AND APPLIED RESEARCHES OF NAS OF UKRAINE

Programs of fundamental researches of NAS of Ukraine			
Title of the program	Decision of the Presidium of NAS of Ukraine, approving the program	Decision of the Presidium of NAS of Ukraine, approving performance of the program for the year 2015	Person in charge of the Program
Target complex interdisciplinary research program "Molecular and cellular biotechnology for medicine, industry and agriculture" (2015-2018)	Resolution of 11.02.2015 №22	Order of 17.04.2015 №289	S.V. Komisarenko V.V. Morgun
"Target complex program of NAS of Ukraine on scientific space researches for years 2012-2016"	Resolution of 23.12.2011 №353	Order of 26.02.2015 №122	Academician J.S. Jatskiv
"Prospective studies of plasma physics, controlled thermonuclear fusion and plasma technologies" (2014-2016)	Resolution of 18.09.2013 №115 Order of 19.11.2013 №721 (call)	Order of 18.03.2015 №186	Academician A.G. Zagorodniy

Programs of applied researches of NAS of Ukraine			
Targeted Complex Program for Researches "GRID - infrastructure and GRID-technologies for scientific researches and applications" (2014-2018)	Resolution of 11.12.2013 №164-a		Academician A.G. Zagorodniy
"Development, creation and use of the world's largest Ukrainian low-frequency radio astronomy components and systems" (2014-2017)	Resolution of 29.01.14 №12	Order of 18.03.2015 №187	Academician O.O. Konovale nko
"Biological resources and the latest technology bio-energy conversion" (2013-2017)	Order of 20.03.13 №189	Order of 26.02.2015 №115	Academician J.B. Blum