



Enhancing the bilateral S&T Partnership with Ukraine

Deliverable Title	D 3.5 – Regional Workshop “Ukrainian S&T infrastructure: development and perspectives for UA-EU cooperation”
Deliverable Lead:	NASU
Related Work-package:	WP3 – Knowledge base for emerging horizontal issues of sustainable cooperation
Related Task:	Task 3.2 Knowledge base on S&T infrastructure
Author(s):	NASU
Dissemination level:	Public
Due submission date:	20/12/2011
Actual submission:	15/12/2011
Project Number	FP7-222712
Instrument:	Support Action
Start date of Project:	01/09/2008
Duration:	36 months

Project funded by the European Commission under the International Cooperation activity of the Capacities Programme of the 7th European Framework Programme for RTD (FP7).

Abstract

Regional workshop “Ukrainian S&T infrastructure: development and perspectives for UA-EU cooperation” has been organized and carried out within the Task 3.2 after submitting and accepting by the EC the D 3.2 “Analysis of S&T infrastructure in Ukraine”, which included an inventory of existing international accessible national and medium S&T infrastructures in Ukraine as well as analysis of ‘good practices’, barriers, obstacles and threats to trans-national access to scientific infrastructure.

Total amount of participants was planned up to 40 persons, but the real quantity exceeded the plan a little (*see Annex 1 – participant list*).

The core aims of the Workshop were:

- to access opportunities for mutual benefit of Ukrainian research infrastructures, as well as for an enhanced cooperation between Ukraine and EU;
- to provide stakeholders with knowledge base on development RIs in Ukraine and access to foreign infrastructure;
- to discuss how to elaborate recommendations concerning mutual access of Ukrainian and European researchers to the existing infrastructures and their development.

For better involving stakeholders from different fields of research, SMEs and industry, as well as decision-makers from government bodies, the workshop was carried out within the framework of the International Symposium “Contemporary Tendencies in Transference of Centers of Science & Technology Activity on the European Area and Cross-Country Mobility of Scientists and Specialists” - as a special included event.

After welcome address, the brief introduction in BILAT-UKR project had been done by **Prof. V. Yemelyanov**, representative of NASU team, to inform the participants about the main goals of the project, already passed tasks and elaborated documents, as well as about expected outcomes of the current Workshop.

The Research Infrastructure development of European level was presented in the form of example of ESFRI project presentation: “European Theoretical Spectroscopy Facility” by chief executive **Dr. A. Matsuura**. She demonstrated the objectives and history of establishing virtual RI as well as nowadays structure and variety of applications of the mentioned RI.

Another example of creation, re-newing and development of the national RI namely the Wroclaw University together with capacities of other research bodies and universities in Wroclaw was performed in presentations **by Prof. H. Ratajczak and Prof. V. Strek**. They showed the essential steps that had been done during transforming the previous University structure separated from industry to present one, for creating of Wroclaw Research Center + EIT joint area which combines different kinds of research activities, technology transfer, business opportunities.

Results of the Ukrainian research infrastructure analysis, submitted previously within the BILAT – UKR project, and activity of some Ukrainian RIs in the field of ICT (World Data Center – Ukraine and Ukrainian GRID) were presented by Ukrainian heads of mentioned RIs **Mr. K. Yefremov** and **Dr. Ye. Martynov**.

The comprehensive presentation about EU strategy and opportunities for cooperation in RIs has been done by the EC representative **Mr. J.-E. Faure**. He emphasized that the definitions and understanding of RI is much more wider, than simple possibilities of each concrete institution or even the set of similar ones. Mr. J.-E. Faure also welcomed the efforts of the BILAT-UKR project to find complementary between Ukrainian and related EU infrastructures and encouraged to active cooperation and moreover to joining to those of ongoing ESFRI projects, that can be of interest to the Ukrainian partners. Particularly he proposed to explore the involvement of Ukraine in the construction of some of the projects of the ESFRI Roadmap. He also stressed that there is a lack of information in the EU about state of art of Ukrainian RIs, existing unique facilities and, of course, it would be presented better through appropriate websites, Internet forums and participation at various European events.

The representatives from the NASU (**Prof. V. Yemelyanov**) as well as from the State Agency of Ukraine for Science, Innovations and Informatization (**Ms. Yu. Volkova**) presented the review of Academy's infrastructure, forms and ways of its financial support particularly in the frames of international cooperative programmes and projects, specified the main challenges. The goals and future tasks of the State bodies were showed, as well as the vision on how to explore the most strong ones of the existing infrastructures in further UA-EU cooperation.

Wide presentation on support of Ukrainian research infrastructure development from the international organization was made by the STCU Deputy Executive Director **Mr. V. Korsun**. He explained the forms and means, taken by the STCU during last decade, to bring Ukrainian research capacities and research results closer to market. Particularly some training programs (Institute Sustainability Program, IPR trainings, and seminars on commercialization of research results) have been provided for universities and research institutions to raise qualification and prepare the specialists for technology transfer. These measures support creation of innovation infrastructure and allows include the new forms into already existing RIs in Ukraine.

All these presentations allowed to compare approaches, experience and mechanisms used in Member States and Ukraine for maintaining and developing Research Infrastructures. They followed with discussion during the session, while it additional points were underlined.

The last ones concerned the importance of preserving and support those infrastructures as libraries providing essential access to old and new publications/research papers/ journals in all fields of Science while the nowadays trends prefer mostly electronic resources. JSO-ERA project representative informed about efforts of mentioned project on edition handbook on European research networks (in Ukrainian) and on Ukrainian Research landscape that would have a synergy with BILAT-UKR project to raise awareness of both Ukrainian scientific and innovative community and European one about opportunities for cooperation.

At the end the presentation of recently established NCP on RIs was made. The appointed NCP contact **Dr. K. Shakhbazyan** told about planned activity, gave a brief information about the ongoing open FP 7 Calls and the nearest events. She also invited to be active in partner search for next consortium building and ensured that feedback will be provided from NCP.

The short questionnaire (*see Annex 2*) was disseminated among participants. Summary of the answers presented below give the key outcome of mentioned Workshop. They would be used to develop the agenda for joint actions for S&T infrastructure.

1. On the question concerning estimating awareness in Ukraine about European RIs and their openness for Ukrainian researchers, it was answered that such awareness is not sufficient at all. The only possible source of information was mentioned NCP in Ukraine and coordination projects, like BILAT-UKR.

2. On the question concerning possible steps, that should be proposed to raise the mentioned awareness it was answered the following:

a) steps from Ukrainian side:

- there should be multiplying information on web-sites of NAS of Ukraine, Vernadsky National Library web-site, making e-mail listing for scientists, carrying out seminars, inviting colleagues from Europe to make presentations.
- to increase significantly NCPs financing for participating in the international events;
- to organize multi-branching system of NCPs, including regional ones.

b) From the EC side it is proposed

- to organize in Ukraine the project, similar to the Joint Support Office;
- to conduct Infodays frequently.

3) Concerning existing challenges on that way, participants answered, that there is lack of financing of events and information dissemination, lack of

support from state power structures of Ukraine; very slow dissemination of information among scientists, lack of positive samples of participation in the RIs projects; absence of brokerage events in Ukraine during last time; insufficiency of Ukrainian rules related with EU financial rules on RTD activity, absence of skills of preparing appropriate EU projects; low financial possibility to participate in the international conferences and seminars.

4) On the question whether participant's institution had any interest to join / use the opportunities of the European transnational accessible RIs there was unanimous positive answer. "Success story" of already using EU RIs – "DEGISCO" project.

5) On the question how to estimate the awareness in Europe about Ukrainian RIs and their openness for European researchers there was again unanimous answer – that such awareness is definitely insufficient one. The reason mentioned was that there is lack of well-prepared stuff, being able to disseminate actively such information abroad. Another reason – archaic rules and traditions of management and decision-making process, stipulated by archaic legal and regulatory bases.

6) If such awareness is insufficient, then how to overcome this challenge – to that question the following proposals have been given:

- At the level of state bodies: the Law on state budget should be executed: to use state money, aimed at science development, only for scientific purposes!
At the NASU-level: to get State National Library subscribed for on-line resources.

- to propagate actively research results on different Internet-resources (NASU portal and NASU institutes), timely prepare press-releases on achievements and disseminate them in hard copies among leading research organizations of Europe.

- to make more publications in English about Ukrainian RTD-structures, their activity, cooperation abilities.

- to finance informational events and delegate Ukrainian participants to disseminate this information abroad.

Regional Workshop
“Ukrainian S&T infrastructure:
development and perspectives for UA-EU cooperation”
20 October, 2011 Kyiv, Ukraine

(Great Conference-Hall of the National Academy of Sciences, 55 Volodymyrska str.)

Programme

13.30 – 14.00	<i>Registration</i>	
14.00-14.10	Welcome Introduction to the project BILAT-UKR and objective of the workshop	Volodymyr Yemelyanov <i>Deputy Chief Scientific Secretary of the NASU</i>
14.10 -14.40	Presentation of selected national infrastructure programmes with emphasize on their cross border accessibility (15 min. each) - European Union - Member States	1. Anne Matsuura, <i>ESFRI project member</i> 2. Prof. Henryk Ratajczak, <i>University of Wroclaw, Poland</i>
14.40 – 14.50	Results of the Ukrainian research infrastructure analysis within the BILAT – UKR project	Marina Gorokhovatska, <i>BILAT-UKR participant, NASU</i>
14.50 – 15.10	Research Infrastructures: EU strategy and opportunities for cooperation	Jean-Emmanuel FAURE, <i>European Commission, Directorate General for Research and Innovation, Research Infrastructures (Unit B3)</i>
15.10 – 15.40	Ukrainian support of S&T infrastructures (with emphasize on UA-EU cooperation) (15 min. each)	1. Yulia Volkova, <i>Head of Unit, State Agency for Science, Innovations and Informatization</i> 2. Volodymyr Yemelyanov <i>Deputy Chief Scientific Secretary of the NASU</i>
15.40 – 16-00	<i>Coffee Break</i>	
16.00 – 16.30	Perspectives of involving of Ukrainian ICT resources into international cooperation: 1. WDC-Ukraine: state of the art 2. Ukrainian national GRID: current state and perspectives	1. Konstantin Yefremov, <i>Head of the World Data Center, National Technical University “KPI”</i> 2. Yevgen Martynov, <i>Bogolyubov Institute for Theoretical Physics, NASU</i>
16.30 - 16.50	International support of S&T infrastructures in Ukraine	Viktor Korsun, <i>STCU</i>
16.50 – 17.00	Presentation of Ukrainian NCP on Research Infrastructure: first steps, tasks and opportunities	Karina Shakhbazyan, <i>Ukrainian NCP RIs</i>
17.00 – 17.30	Moderated Discussion and summary of results	

Participant list

№	Name, Surname	Organisation, position	Country
1	Volodymyr Yemelyanov	NASU, Deputy Chief Scientific Secretary, BILAT-UKR participant	Ukraine
2	Marina Gorokhovatska	NASU, Department of Scientific Management, Scientific Manager, BILAT-UKR participant	Ukraine
3	Olena Koval	NIP Ukraine, BILAT-UKR Project co-coordinator	Ukraine
4	Vadym Yashenkov	NIP Ukraine, BILAT-UKR participant	Ukraine
5	Jean-Emmanuel Faure	European Commission Directorate General for Research and Innovation Research Infrastructures (Unit B3)	EC
6	Maximilian Foedinger	JSO-ERA Project, Expert on Innovation and Technology Transfer	Austria
7	Guillaume Colin	Attaché for Science and Culture, French Embassy in Ukraine	France
8	Henryk RATAJCZAK	Faculty of Chemistry, University of Wroclaw, Professor of Chemical Physics	Poland
9	Woldemar Streck	Wroclaw Research Center + EIT	Poland
10	Anne Matsuura	Chief Executive ESFRI project ETSF	Belgium
11	Konstantin Yefremov	Head of the World Data Center, National Technical University "KPI"	Ukraine
12	Aleksej Pasichnyj	Principal specialist, World Data Center, National Technical University "KPI"	Ukraine
13	Yevgen Martynov,	Bogolyubov Institute for Theoretical Physics, NASU	Ukraine
14	Karina Shakhbazyan	NASU, Centre of Intellectual Property and Technology Transfer, NCP Research Infrastructures, Regions of Knowledge	Ukraine
15	Viktor Korsun	Scientific&Technological Center in Ukraine (STCU)	USA
16	Yulia Volkova	State Agency for Science, Innovation and Informatization, Head of Unit for International cooperation	Ukraine
17	Victor Rybachuk	G. M. Dobrov Center for Studying R&D Potential and Science History of the NASU, Senior Researcher	Ukraine
18	Lidia Kavunenko	G. M. Dobrov Center for Studying R&D Potential and Science History of the NASU, Deputy Director	Ukraine
19.	Oleksandr Popovych	G. M. Dobrov Center for Studying R&D Potential and Science History of the NASU, Head of Department	Ukraine
20	Roman Zayets	G. M. Dobrov Center for Studying R&D Potential and Science History of the NASU	Ukraine
21	Yulia Volkova	State Agency for Science, Innovation and Informatization, Head of Unit for European Integration	Ukraine
22.	Maria Burtseva	State Agency for Science, Innovation and Informatization, Unit for International cooperation	Ukraine
23	Marina Yakovleva	State Agency for Science, Innovation and Informatization, Unit for European Integration	Ukraine
24	Zoya Krasnokutska	National Transport University, Head of Patent Department	Ukraine

25	Halyna Vdovychenko	National University of “Kyiv-Mohyla Academy”, Assistant President	Ukraine
26	Pavlo Bilak	Uzhgorod National University, Center of Trans-board Cooperation	Ukraine
27	Zinaida Klestova	Institute for Veterinary Medicine, Ukrainian Academy of Agriculture, Scientific Manager	Ukraine
28	Vyacheslav Solovyov	G. M. Dobrov Center for Studying R&D Potential and Science History of the NASU, Deputy Director	Ukraine
29	Michael Tukalo	Institute of Molecular Biology and Genetics of the NASU, Deputy Director	Ukraine
30	Yanina Mischuk	Institute of Molecular Biology and Genetics of the NASU, Scientific Manager	Ukraine
31	Leonid Chernyshov	Frantsevich Institute for Problems of Materials Science of the NASU, NCP NMP	Ukraine
32	Ivan Kulchitskyj	Lviv Center for S&T Information and Innovations, NCP ICT	Ukraine
33	Sergij Melnychuk	Head of the Ukrainian Laboratory of Quality and Safety of Agricultural Products	Ukraine
34	Victor Kyrylenko	EU AID project InnoPolicy , expert	Ukraine
35	Tatyana Pustylnik	International Financial University, National Technical University “KPI”, Assistant Professor	Ukraine
36	Raimond Zeltz	Euroscience, General Secretary	France
37	Vyacheslav Scherbin	National Academy of Sciences, Science for Science Center	Belorus
38	Sergij Ladogubets	Kyiv Chamber of Commerce, Head of Department	Ukraine
39	Yurij Gordienko	G. Kurdyumov Institute for Metal Physics of the NASU, FP 7 project DEGISCO participant	Ukraine
40	Peter Smertenko	National coordinator EUREKA	Ukraine
41	Anna Voronina	Institute of Pharmacology and Toxicology of National Academy of Medical Sciences of Ukraine, Head of Department	Ukraine
42	Halyna Sadvoska	National University of Aviation, Deputy Head, Department of International Relations	Ukraine
43	Olena Boyko	Institute for Economy and Forecasting of the NASU	Ukraine
44	Volodymyr Arkhangelskyj	Center for Analytical Research	Russia
45	Iryna Dezhina	Institute for World Economics and International Relations, RAS, Head of Department	Russia
46	Aleksandr Dikusar	Correspondent member of Moldova Academy of Sciences	Moldova
47	Yevgenia Severyanina	CRDF Global representative	Ukraine
48	Igor Yegorov	G. M. Dobrov Center for Studying R&D Potential and Science History of the NASU, Head of Department	Ukraine

Questionnaire for discussion

1. Do you estimate the awareness in Ukraine about European RIs and their openness for Ukrainian researchers as sufficient one?
2. What steps would be proposed to raise the mentioned awareness: from Ukrainian side? From the EC side?
3. What challenges do you regard on this way?
4. Have you / your institution any interest to join / use the opportunities of the European transnational accessible RIs?
5. Do you estimate the awareness in Europe about Ukrainian RIs and their openness for European researchers as sufficient one?
6. If “no”, how to overcome this challenge: at the governing institutions level? At the National Academies level? At the high educational bodies level?