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4th international conference "Scientific Communication in the Digital Age" (Kyiv, March 30–31, 2016)

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4th International Conference
"Scientific Communication in the Digital Age"
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On March 30–31, 2016, the IV International scientific-practical conference "Scientific Communication in the Digital Age" took place at the Library of the National University of Kyiv-Mohyla Academy (Kyiv, Ukraine). This conference was devoted to the issues of scientific communication, including scientometrics and bibliometrics, research evaluation tools, new models of creation and dissemination of scientific journals, creating and using e-books and e-readers, new information and communication technologies in university libraries.

The organizers of the conference included the following: The National University of Kyiv-Mohyla Academy Library, Maksymovych Scientific Library of the Taras Shevchenko Kyiv National University, The State Fund for Fundamental Research of Ukraine, NGO ELibUkr (Electronic Library of Ukraine) and NGO "Ukrainian Fulbright Circle". Among the participants of the conference there were leading experts from scientific institutions, editorial boards of scholarly journals, heads of universities, libraries and publishing houses, experts in electronic information services from Ukraine, the USA, Sweden, Poland, Belarus, the Netherlands.

Conference work started with reports, which were devoted to current issues of bibliometrics and scientometrics. The Vice President for Research and Informatization of National University of Kyiv-Mohyla Academy, Tetiana Yaroshenko, familiarized the participants with the modern challenges of scientometric studies, basic directions of development and best practices of shared use of scientometric indicators in planning research activities of universities. The best practices of effective modern scientometric indicators usage in conducting research and evaluating research effectiveness were presented to the conference participants by Pavel Kasyanov, Strategic Sales Executive, Scientific and Scholarly Research, Thomson Reuters (USA) and by Andrey Loktev, Customer Consultant, Elsevier Science & Technology (Netherlands), who presented the overall unbiased view Scopus on the present and future of Ukrainian science.

James Testa, Vice President Emeritus, Editorial Development & Publisher Relations, Thomson Reuters (USA) spoke about the selection process of scientific journals in Web of Science and the characteristics and prospects of inclusion of Ukrainian scholarly editions to the new index of scientific citation ESCI (Emerging Sources Citation Index), which became part of an authoritative database known as the Web of Science Core Collection. Mr. Testa together with Oleg Syabrenko, Business Development Manager, Thomson Reuters (USA) also conducted a separate roundtable which discussed in detail the aspects of adding journals to the Web of Science.

Valentyna Andrushchenko, Head of Department, State Fund for Fundamental Research (Ukraine) reported on statistical and ethical norms of self-citations. In order to avoid unethical manipulation scholars were advised to quote their portfolio only if necessary to make reference to previous studies aimed at strengthening, denying or casting doubt on past results.

In the report *Turning to Scopus: going global or destructing Ukrainian science?* Ilami Yasna, Coordinator of the Project *Ukrainian Index of Philosophy: a national index of scholarly activity* (Ukraine) exposed the paradoxes of local research in the presentation of the humanities in reputable scientometric databases. A low level of knowledge of foreign languages, lack of recognized mechanisms for recording and analysis of national publications, is not relevant to international databases for studies of local significance. The speaker proposed to develop more abstract instruments at the national level that have much better coverage of specific scientific disciplines.

Henryk Hollender, Library Director, Łazarski University (Poland) in the report *The shrinking knowledge as an outcome of modern science policy* suggested a new way to consider the concept of "means of knowledge" and revealed the essence of the modern phenomenon of "forgotten knowledge". After analyzing the situation, gaps and challenges in the field of modern science policy, Mr. Hollender drew attention to the challenges faced by modern information managers, leaving the question opened: "What awaits us in the future – less science or other science?".

Detailed and rich reports appeared in a section devoted to the development of scientific communication channels. The Director of the National University of Kyiv-Mohyla Academy Library, Serhii Nazarovets, told the audience about the common mistakes that are committed by editors of Ukrainian scientific journals during the process of applying to include their publications in the multidisciplinary directory of open access journals – the Directory of Open Access Journals (DOAJ). Moreover, most publishing rules that are issued by editors of national publications, regard not only "open publishing", but generally they oppose accepted international standards of academic publishers.

A pragmatic and straightforward approach to solving the urgent problem of supporting scientific publications in universities was proposed by the director of the editorial board of the "Biopolymers and Cell" journal, Iryna Tykhonkova. If the university has no sufficient financial and human resources to support scientific publications, the management of such institutions should abandon their ambitions and take a difficult decision: to close the scientific journal. Also, the speaker presented a new national project *Ukrainian scientific journals*, which aims to help to improve the Ukrainian academic publishers' editorial policy of their publications.

Alexey Skalaban, Library Director, Belarusian National Technical University (Belarus) reported about the leading role of the library in improving the quality of scientific journals of the University, made possible with the launch of its own online journal platform Ejournal by. Similar experience of successful promotion of scientific publications in the world information space was shared by Viktor Yehorov, Head of the Coordination Center of publication of scientific journals, Odessa National Academy of Food Technologies (Ukraine).

Tetyana Yatskiv, Director, Ukrinformnauka (Ukraine) and Anna Danylova, Chief Specialist, Ukrinformnauka (Ukraine) thoroughly instructed participants on the principles of the registration process and digital identifiers (DOI), which have become a fixture of publications in high-quality scientific journals. Tetiana Andreeva, editor of the

journal "Tobacco Control and Health in Eastern Europe", considered the possible predatory behavior of the journals and publishers and suggested ways to check such issues for authors, reviewers and members of editorial boards.

The experience of effective implementation of new technological solutions for the work of libraries was shared by Ukrainian and foreign participants. The Swedish experience concerning the digitization of rare historical documents was reported by Göran Konstenius, Senior Advisor, National Library of Sweden (Sweden). As in many other countries, Swedish librarians faced the problem of the unified standard usage for production, storage and distribution of digitized books, and eventually found a solution in the form of "Digisam" – the Swedish national guidelines on digitization and processing of historical and cultural heritage. It should be noted that this project is gaining momentum now, so hopefully by the end of 2017, we will see the results of our foreign colleagues' work and perhaps will try to analyze their experience in the digitization of cultural heritage.

Karol Makles, Vice Director of the Institute of Library and Information Science, the University of Silesia in Katowice (Poland) presented to the participants some examples of global information resources and systems, and highlighted their common features such as intuitive character, transparency, attractiveness, mobility and practicality that certainly need to be considered by librarians during the planning and the creating of their global information systems.

Deputy Director of the National University of Kyiv-Mohyla Academy Library, Tetiana Borysova, drew the attention of conference participants to the fact that librarians can help researchers not only to present the results of their research but also be involved in the process of research data management because their knowledge on how to work with metadata, repositories of information, and copyright licenses could help researchers to manage, store and distribute research data, which in turn will continue to promote the use of information, openness, and global development of science.

This view of the importance of libraries in modern scientific communication was backed by Inna Yurik, Deputy Library Director, Belarusian National Technical University (Belarus). She introduced a system of "ProBNTU" which is implemented by their library in terms of the national policy of integration into the world university rankings by improving the quality of the national education system to the international level. The same issues are handled by a specially created information monitoring service in the Maksymovych Scientific

Library of the Taras Shevchenko Kyiv National University. The results of work of this service were presented at the conference by Oleg Serbin, Director and Maryna Nazarovets, Head of Information Monitoring Service, Maksymovych Scientific Library of the Taras Shevchenko Kyiv National University (Ukraine).

Eugeniya Kulyk, Head of Electronic Resources Department, National Library of Ukraine for Youth (Ukraine), presented the possibilities of social media to communicate with young library users. She reported that it is not enough just to use different social media to build active links between all the components of a communication system to attract and retain user, respond to technological innovations, using the official features of social networks, responsive design of the site.

The experience of the Wrocław Medical University Library on how to create a digital collection of historical, educational and scientific materials with the help of Polish dLibra software was presented by Aleksandra Gniady, Editor, Lower Silesian Digital Library (Poland) and Dominika Sidorska, Acquisition and Cataloguing Department Director, Wrocław Medical University Library (Poland).

Continuing the topic of supporting universities in presenting scientific achievements of researchers in the network, Oleh Shylyuk, Deputy Library Director, Yuriy Fedkovych, Chernivtsi National University (Ukraine), said that expectations that librarians placed on institutional repositories were not true because only 15–30% of self-archiving is made by scholars. Among the reasons for such a low readiness of authors to develop archives of institutions one may consider the reluctance of researchers to recognize their institutional affiliation, problems with copyright, incomplete opening of such materials as a compromise with the business model of distributing publications, and the fact that most universities failed to adopt policies supporting open access.

The problem of copyright in the digital environment was raised by Alexander Kyrylenko, Head of the Department and Larysa Lytvynova, Researcher, Vernadsky National Library of Ukraine (Ukraine). Speakers stressed the need for libraries to register intellectual property created in their database and presented the experience of specially created for this purpose. Kateryna Lobyzina, Head of the Library Electronic Resources and Technologies Center, Vernadsky National Library of Ukraine (Ukraine), presented the possibilities of a semantic library and web technologies on the example of integration of the Vernadsky National Library catalogue with Google Scholar, and acquainted the participants with the integrated scientific information portal *Science of Ukraine – access to knowledge*.

The practice of depositing archival descriptions in open access which was heretofore unique to Ukrainian archives was presented by Taisiya Sydorchuk, Head of Department, National University of Kyiv-Mohyla Academy Library (Ukraine). She prognoses that in such a way the library archive is more likely to attract the interest of users and researchers from different cities and countries in order use the represented archival collections.

In her consideration of the prospects of the electronic textbook publishing, Oleksandra Gorbenko, Associate Professor, National Transport University (Ukraine), drew the attention of the audience to the fact that in the age of rapid information changes publishers and authors have to compete for consumer attention, so it is impossible to neglect the modern means of communication in drawing attention to media: websites, blogs, e-mails newsletters, meetings and discussions, the use of YouTube video hosting and other networks where the potential reader can find the relevant information.

Beata Przewoźnik, Associate Professor of the Institute of Library and Information Science, University of Silesia in Katowice (Poland) spoke about the current situation and the main trends of the Polish market for electronic books, making reference to the example of literature about mountains. The popularity of e-books, as well as devices, for reading in Poland is growing every year, but digital piracy is a big threat to Polish publishers and librarians, a common world trend.

During the conference also several presentations of young Ukrainian informational projects were held. The possibilities of the new integrated Worldwide Scientific and Educational Library system in spreading Ukrainian scientific periodicals, along with other SCIARY modules, focused on supporting e-learning and social networking researchers, were discussed by the head of technical support of the project, Ivan Ostroumov.

Ivan Stepura, Specialist, Borys Grinchenko Kyiv University (Ukraine) presented Socioindex – ranking of national scholarly journals which bases its calculations on presenting publications on social networks. In order to increase the involvement of Ukrainian researchers in the global scientific communication another new project, *SmartArchaeology*, was created. It was presented by Iryna Lutsyk, Assistant, Krypyakevych Institute of Ukrainian Studies, NAS of Ukraine (Ukraine) and Vasyl Fedevych, Postgraduate, Ivan Franko National University of Lviv (Ukraine).

Andriy Verhun, Associate Professor, Danylo Halytsky Lviv National Medical University, summarized the results of six-month experience of the technical expertise concerning an anti-plagiarism tool. The

report thoroughly analyzes the advantages and disadvantages of free anti-plagiarism systems which are popular in Ukraine and provides recommendations on the characteristics of their settings to get the most objective results. As a result of anonymous voting of conference members, the report of Andriy Verhun was recognized as the best speech of the conference.

Representatives of the Polish company Plagiat.pl, Ali Tahmazov, Regional Director, Plagiat.pl (Poland) and Alexander Striamets, Executive Manager in Ukraine, Plagiat.pl (Ukraine), introduced the product of the company which is aimed to help prevent copyright violation and illegal use of other people's intellectual property, protection of university scholars, students and researchers. This year the company is going to implement this product into the educational process in several Ukrainian universities. The roundtable "The concept of academic integrity: problems and solutions" was also held at the conference.

It should be noted that the issues that were raised during the conference motivated many participants to analyze the experience of their colleagues and implement the best international and Ukrainian practices in their institutions. We thank all the participants who contributed to the discussion of these important issues.

Conference organizers sincerely thank all the participants and sponsors, including the companies StrikePlagiarism.com, Elsevier, Thomson Reuters, EBSCO Information Services, and cordially invite everyone to join the next year of the anniversary V International scientific-practical conference "Science Communication in the Digital Age".

This traditional conference was an extremely important event in Ukraine. Every year we have different speakers from all over the world discussing important problems of modern librarianship. Such events may unite scholars, librarians, teachers, providers, publishers, and make joint decisions and strategies of modern research to move science forward.