

## ПРОБЛЕМЫ ИНФОРМАТИЗАЦИИ ОБЩЕСТВА

UDC 061.66+021.6+364.144

### REGIONAL INFORMATION CENTERS AS A WAY OF ELIMINATION THE INFORMATION INEQUALITY<sup>1</sup>

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*Исследована роль регионального информационного центра в создании Национальной электронной библиотеки Украины. Особое внимание уделено организации всеобщего доступа к использованию общенационального научного ресурса в учреждениях образования Крыма.*

**Ключевые слова:** электронная библиотека, корпоративные технологии, электронные ресурсы, система организации доступа, распространение информации

*Досліджена роль регіонального інформаційного центру в створенні Національної електронної бібліотеки України. Особлива увага надана організації загального доступу до використання загальнонаціонального наукового ресурсу в установах освіти Криму.*

**Ключові слова:** електронна бібліотека, корпоративні технології, електронні ресурси, система організації доступу, розповсюдження інформації

*The role of regional information center in creation the national electronic library of Ukraine is explored. The special attention is given to the organization of universal access to using the national scientific resource by the Crimean educational establishments.*

**Keywords:** electronic library, corporate technologies, electronic resources, system of organization of access, distribution of information

Humanity is on the third stage of development, which is marked as stage of construction of «information society» [1]. Becoming the society of a new type countries have been determined as leading countries and outsiders ones. New ranking has appeared which measure the rich and poverty from the point of availability to the global information resources.

In the countries of the "Large Seven" the Internet is used by almost 50% of habitants. But in Ukraine this index makes only 1,5 %. On the amount of users in relation to the quantity of population Ukraine takes 46 rank from 50 explored countries<sup>2</sup>. But it does not mean that Ukraine will not be able to concentrate a national resource on creation knowledge – industry technology and go out in the leading countries which are forming «information society».

In order to attain leading position in the sphere of the information technologies, it is necessary to extend the common structure of the state using more actively already created and operating national electronic information resource [2]. It is necessary to take into account that the policy of creation «information society» allows to promote a regional competitiveness and helps to solve one of the most complicated problem of the modern society – the problem of inequality in the field of spreading information which constituents social inequality.

As experience shows, one of the most effective ways of doing away with information inequality is the organization of different regional information centers and services which render assistance in

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<sup>1</sup> Для расширения информационного поля действия выпуска журнала материал публикуется на английском языке (примеч. авт.).

<sup>2</sup> URL: <http://www.nbuv.gov.ua/polit/02ciaint.htm> (it is tested 16.04.2005)

creation and dissimilation the unique information concerning educational and scientific data through the local networks.

We will confirm this point of view by a concrete example. In Crimea there are more than 638 general educational establishments (schools, lyceums, high schools) function presently, 138 higher educational establishments of 2-4 levels of accreditation (including branches of state and private institutes of higher learning of not regional submission). At the present moment not a single educational establishment provides the information electronic resource (including stock and services to support all areas of study) which has scientific maintenance, exceeding the electronic resources of the National Library of Ukraine named after V. Vernadsky<sup>3</sup>. According to data of the statistical report by the Ministry of Science and Education in the Autonomous Republic of Crimea 2004 only 187 Crimean schools have computers, 154 ones have computerized on-line information retrieval. All computer program blocs make 466 units. 240888 schoolchildren have 2257 personal computers. Therefore organization of equal access to the largest electronic resource of Ukraine will allow to effect systematic approach to resource during their study, that, as is generally known, is the criterion for estimation education quality and will take to the minimum the «digital gap» between educational and scientific establishments.

But the active use of the information resource represented on the site of the National Library of Ukraine named after V. Vernadsky over the Internet by educational establishments of Crimea, is impossible for lack of the proper library software and wireless (more cheap) access. To a certain extent creation optical fibre networks only are there 1-2 the largest higher institutions in Crimea can allow themselves networks due to their financial well-being. In order to level up opportunities for all Crimean educational establishments in getting admission to the largest national information resource, the Inter-institutional Center of Information Technologies 'Crimea' are engaged in this task using the support of National Library of Ukraine named after V. Vernadsky and Ministry of Science and Education in Crimea. This type of decision-making provides the complete information volume access to every educational establishments. Access to the resource will be organized on principle of the collective employment of all possible resource stock in the local area networks with due regard for every educational establishments.

The Interinstitutional Center of Information Technologies for the short interval of time (end of 2004 beginning of 2005) created and passed in the general fund of electronic documents of the National Library of Ukraine named after V. Vernadsky about 4 thousand full-text electronic documents<sup>4</sup>. The center has developed and patented [3, 4] in the state organs of registration and inculcated the method of creation of a new type of electronic document<sup>5</sup>. This type of document [4] to a full degree conforms the requirements of the Statute of the Electronic Scientific Specialized Editions<sup>6</sup>

The first implementation phase of the program on elimination the information poverty in our region was begun by private institution of higher learning and educational establishments of Crimea. There were conducted preliminary necessary informative, technological, administrative and organizational measures.

They showed:

- The process of technological strukturyzation of resource demanded no financial expenses. This a resource is represented on five thematic compact disks and is spread free of charge on the basis of agreement among the participants of project; between organizations.
- Such scheme of using de resource in local system of personal computers dramatically increases reliability of system fo presentation scientific and information to the users of a different educational standarts.

It is exposed there the second level of information inequality, which is a result of absence of the corporate system distribution system information among educational establishments of department belonging. The gap between technological and information possibilities different educational establishments is great. That's why there are two levels of education in the educational system of Crimean region. Technology of organization equal access to the national electronic resources allows to ap-

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<sup>3</sup> URL: <http://www.nbuv.gov.ua> (it is tested 14.04.2005)

<sup>4</sup> URL: <http://www.nbuv.gov.ua/ellib/Crimea/index.html> (it is tested 16.04.2005);

<sup>5</sup> URL: [http://www.nbuv.gov.ua/Articles/Kultnar/knp50\\_3/knp50t3\\_59-64.pdf](http://www.nbuv.gov.ua/Articles/Kultnar/knp50_3/knp50t3_59-64.pdf) (it is tested 16.04.2005);

<sup>6</sup> URL: [http://www.nbuv.gov.ua/law/04\\_yydan.html](http://www.nbuv.gov.ua/law/04_yydan.html) (it is tested 16.04.2005)

proach lower to higher. And in such way there is smoothing of information possibilities for students (pupils) of all region. Corporate information. Technologies can and must be developed on the basis of collaboration of organization of a different status and department belonging [5, 6]. Such collaboration will allow to organizes scientific research on the point of sciences. This is the most progressive method of receipt of practical results in area of acceleration of rates of creation of "information society". We will illustrate aforesaid by another example. The introduction of high technology in for local access dramatically has increased the productivity of computer – information systems in Crimean educational establishments, and this increasing demanded the minimum state financial expences. It means, that five module which various software. (20000 full-text documents and more then 500000 information resousers) ented the use in every aducational establiment with expences only for accompaniment of resource and teaching of the personnel. At the same time these results allowed to study technology of elimination "digital gap" as for the whole country and for aur region.

Thus, one of the most perspective forms of liquidation of informative inequality is activity of regional informative centers on distribution of national electronic resources and organization of access to them through the local networks of organizations. In addition, the described form of organization of liquidation of informative inequality allows to avoid low quality and separateness of informative resources, special scientifically-educational. It is fully enough, sharply to promote quality of the informative providing of studying region and to organize primary, equal access to the necessary volume of global informative resource.

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Поступила в редакцию 10.05.2005