



REVISTA INCLUSIONES

INVESTIGANDO EN TIEMPOS DE CAMBIOS

Revista de Humanidades y Ciencias Sociales

Volumen 7 . Número Especial

Julio / Septiembre

2020

ISSN 0719-4706

CUERPO DIRECTIVO

Directores

Dr. Juan Guillermo Mansilla Sepúlveda

Universidad Católica de Temuco, Chile

Dr. Francisco Ganga Contreras

Universidad de Tarapacá, Chile

Editor

Drdo. Juan Guillermo Estay Sepúlveda

Editorial Cuadernos de Sofía, Chile

Editor Científico

Dr. Luiz Alberto David Araujo

Pontificia Universidade Católica de Sao Paulo, Brasil

Editor Europa del Este

Dr. Aleksandar Ivanov Katrandzhiev

Universidad Suroeste "Neofit Rilski", Bulgaria

Cuerpo Asistente

Traductora: Inglés

Lic. Pauline Corthorn Escudero

Editorial Cuadernos de Sofía, Chile

Portada

Lic. Graciela Pantigoso de Los Santos

Editorial Cuadernos de Sofía, Chile

COMITÉ EDITORIAL

Dr. Jaime Bassa Mercado

Universidad de Valparaíso, Chile

Dra. Heloísa Bellotto

Universidad de Sao Paulo, Brasil

Dra. Nidia Burgos

Universidad Nacional del Sur, Argentina

Mg. María Eugenia Campos

Universidad Nacional Autónoma de México, México

Dr. Francisco José Francisco Carrera

Universidad de Valladolid, España

Dr. Pablo Guadarrama González

Universidad Central de Las Villas, Cuba

Mg. Amelia Herrera Lavanchy

Universidad de La Serena, Chile

Dr. Claudio Llanos Reyes

Pontificia Universidad Católica de Valparaíso, Chile

Dr. Werner Mackenbach

Universidad de Potsdam, Alemania

Universidad de Costa Rica, Costa Rica

Mg. Rocío del Pilar Martínez Marín

Universidad de Santander, Colombia

Ph. D. Natalia Milanese

Universidad de Houston, Estados Unidos

Ph. D. Maritza Montero

Universidad Central de Venezuela, Venezuela

Dra. Eleonora Pencheva

Universidad Suroeste Neofit Rilski, Bulgaria

Dra. Rosa María Regueiro Ferreira

Universidad de La Coruña, España

Dr. Andrés Saavedra Barahona

Universidad San Clemente de Ojrid de Sofía, Bulgaria

Dr. Efraín Sánchez Cabra

Academia Colombiana de Historia, Colombia

Dra. Mirka Seitz

Universidad del Salvador, Argentina

Ph. D. Stefan Todorov Kapralov

South West University, Bulgaria

COMITÉ CIENTÍFICO INTERNACIONAL

Comité Científico Internacional de Honor

Dr. Adolfo A. Abadía

Universidad ICESI, Colombia

Dr. Carlos Antonio Aguirre Rojas

Universidad Nacional Autónoma de México, México

Dr. Martino Contu

Universidad de Sassari, Italia

Dr. Luiz Alberto David Araujo

Pontificia Universidad Católica de Sao Paulo, Brasil

Dra. Patricia Brogna

Universidad Nacional Autónoma de México, México

REVISTA INCLUSIONES

REVISTA DE HUMANIDADES
Y CIENCIAS SOCIALES

Dr. Horacio Capel Sáez

Universidad de Barcelona, España

Dr. Javier Carreón Guillén

Universidad Nacional Autónoma de México, México

Dr. Lancelot Cowie

Universidad West Indies, Trinidad y Tobago

Dra. Isabel Cruz Ovalle de Amenabar

Universidad de Los Andes, Chile

Dr. Rodolfo Cruz Vadillo

*Universidad Popular Autónoma del Estado de Puebla,
México*

Dr. Adolfo Omar Cueto

Universidad Nacional de Cuyo, Argentina

Dr. Miguel Ángel de Marco

Universidad de Buenos Aires, Argentina

Dra. Emma de Ramón Acevedo

Universidad de Chile, Chile

Dr. Gerardo Echeita Sarrionandía

Universidad Autónoma de Madrid, España

Dr. Antonio Hermosa Andújar

Universidad de Sevilla, España

Dra. Patricia Galeana

Universidad Nacional Autónoma de México, México

Dra. Manuela Garau

Centro Studi Sea, Italia

Dr. Carlo Ginzburg Ginzburg

*Scuola Normale Superiore de Pisa, Italia
Universidad de California Los Ángeles, Estados Unidos*

Dr. Francisco Luis Girardo Gutiérrez

Instituto Tecnológico Metropolitano, Colombia

José Manuel González Freire

Universidad de Colima, México

Dra. Antonia Heredia Herrera

Universidad Internacional de Andalucía, España

Dr. Eduardo Gomes Onofre

Universidade Estadual da Paraíba, Brasil

CUADERNOS DE SOFÍA EDITORIAL

+ Dr. Miguel León-Portilla

Universidad Nacional Autónoma de México, México

Dr. Miguel Ángel Mateo Saura

*Instituto de Estudios Albacetenses "Don Juan Manuel",
España*

Dr. Carlos Tulio da Silva Medeiros

Diálogos em MERCOSUR, Brasil

+ Dr. Álvaro Márquez-Fernández

Universidad del Zulia, Venezuela

Dr. Oscar Ortega Arango

Universidad Autónoma de Yucatán, México

Dr. Antonio-Carlos Pereira Menaut

Universidad Santiago de Compostela, España

Dr. José Sergio Puig Espinosa

Dilemas Contemporáneos, México

Dra. Francesca Randazzo

*Universidad Nacional Autónoma de Honduras,
Honduras*

Dra. Yolando Ricardo

Universidad de La Habana, Cuba

Dr. Manuel Alves da Rocha

Universidade Católica de Angola Angola

Mg. Arnaldo Rodríguez Espinoza

Universidad Estatal a Distancia, Costa Rica

Dr. Miguel Rojas Mix

*Coordinador la Cumbre de Rectores Universidades
Estatales América Latina y el Caribe*

Dr. Luis Alberto Romero

CONICET / Universidad de Buenos Aires, Argentina

Dra. Maura de la Caridad Salabarría Roig

Dilemas Contemporáneos, México

Dr. Adalberto Santana Hernández

Universidad Nacional Autónoma de México, México

Dr. Juan Antonio Seda

Universidad de Buenos Aires, Argentina

Dr. Saulo Cesar Paulino e Silva

Universidad de Sao Paulo, Brasil

Dr. Miguel Ángel Verdugo Alonso
Universidad de Salamanca, España

Dr. Josep Vives Rego
Universidad de Barcelona, España

Dr. Eugenio Raúl Zaffaroni
Universidad de Buenos Aires, Argentina

Dra. Blanca Estela Zardel Jacobo
Universidad Nacional Autónoma de México, México

Comité Científico Internacional

Dra. Elian Araujo
Universidad de Mackenzie, Brasil

Mg. Romyana Atanasova Popova
Universidad Suroeste Neofit Rilski, Bulgaria

Dra. Ana Bénard da Costa
Instituto Universitario de Lisboa, Portugal
Centro de Estudios Africanos, Portugal

Dra. Noemí Brenta
Universidad de Buenos Aires, Argentina

Ph. D. Juan R. Coca
Universidad de Valladolid, España

Dr. Antonio Colomer Vialdel
Universidad Politécnica de Valencia, España

Dr. Christian Daniel Cwik
Universidad de Colonia, Alemania

Dr. Eric de Léséulec
INS HEA, Francia

Dr. Andrés Di Masso Tarditti
Universidad de Barcelona, España

Ph. D. Mauricio Dimant
Universidad Hebrea de Jerusalem, Israel

Dr. Jorge Enrique Elías Caro
Universidad de Magdalena, Colombia

Ph. D. Valentin Kitanov
Universidad Suroeste Neofit Rilski, Bulgaria

Mg. Luis Oporto Ordóñez
Universidad Mayor San Andrés, Bolivia

Dr. Gino Ríos Patio
Universidad de San Martín de Porres, Perú

Dra. María Laura Salinas
Universidad Nacional del Nordeste, Argentina

Dra. Jaqueline Vassallo
Universidad Nacional de Córdoba, Argentina

Dra. Maja Zawierzeniec
Universidad Wszechnica Polska, Polonia

Editorial Cuadernos de Sofía
Santiago – Chile
Representante Legal
Juan Guillermo Estay Sepúlveda Editorial

Indización, Repositorios y Bases de Datos Académicas

Revista Inclusiones, se encuentra indizada en:





REX



UNIVERSITY OF
SASKATCHEWAN



Universidad
de Concepción

BIBLIOTECA UNIVERSIDAD DE CONCEPCIÓN



**THE USE OF OPEN PLATFORMS FOR THE IMPLEMENTATION OF ONLINE LEARNING:
THE SEARCH FOR OPTIMAL FORMS**

Dr. M.Yu. Martynova

Russian State Social University, Russia
ORCID ID: 0000-0002-7784-8240
martynovamiu@rgsu.net

Ph. D. (C) O. A. Evreeva

Russian State Social University, Russia
ORCID ID: 0000-0002-9073-271X
evreeva@yandex.ru

Ph. D. (C) E. V. Bagdasarova

Russian State Social University, Russia
ORCID ID: 0000-0001-7905-5394
elvina_bag@mail.ru

Ph. D. (C) Margarita Anatolyevna Kozhevnikova

Russian State Social University, Russia
ORCID ID: 0000-0003-1934-982X
margarita1962@list.ru

Ph. D. (C) Svetlana Nikolaevna Bogatyreva

K.G. Razumovsky Moscow State University of Technologies and Management, Russia
ORCID ID: 0000-0003-4781-1495
svetlana-690204@mail.ru

Fecha de Recepción: 11 de febrero de 2020 – **Fecha Revisión:** 30 de marzo de 2020

Fecha de Aceptación: 23 de junio de 2020 – **Fecha de Publicación:** 01 de julio de 2020

Abstract

Today, technical prerequisites have been created in Russia for the introduction and widespread use of distance learning, and Internet resources are becoming increasingly popular among young people because their advantages include easy accessibility, a free-of-charge basis, and ease of use. Also, new opportunities are opening up for universities that have started implementing so-called distance education systems based on modern platforms. The article defines the features of using open platforms for implementing various forms of on-line training; the theoretical analysis of the main concepts of the articulated topic of the article has been carried out.

Keywords

Distance learning – Information and communication technologies – Open platform

Para Citar este Artículo:

Martynova, M. Yu.; Evreeva, O. A.; Bagdasarova, E. V.; Kozhevnikova, Margerita Anatolyevna y Bogatyreva, Svetlana Nikolaevna. The use of open platforms for the implementation of online learning: the search for optimal forms. Revista Inclusiones Vol: 7 num Especial (2020): 186-197.

Licencia Creative Commons Attribution Non-Comercial 3.0 Unported
(CC BY-NC 3.0)

Licencia Internacional



DR. M. YU. MARTYNOVA / PH. D. (C) O. A. EVREEVA / PH. D. (C) E. V. BAGDASAROVA
PH. D. (C) MARGARITA ANATOLYEVNA KOZHEVNIKOVA / PH. D. (C) SVETLANA NIKOLAEVNA BOGATYREVA

Introduction

The advantages of distance learning are obvious both for students (availability of materials at any time, the objectivity of knowledge assessment due to independence from the teacher, etc.)¹ and for teachers (easy registration of students often with the possibility of their personalization and differentiation of access rights to educational materials, convenient and fast creation of online courses, ease of knowledge control through automated test results, etc.)².

Research comparing distance learning with traditional contact learning has shown that distance learning can be as effective as traditional learning when using methods and technologies that provide interaction between students, feedback between the teacher and the student, and the student's activity at all stages of cognitive activity³. Today, the Internet is actively replacing other forms of distance learning. This is primarily due to the development of technologies that allow for cheaper and more convenient means to simulate any educational model. The main arguments of online learning are the independence of the listener from the geographical location of educational institutions, the state of their health, employment and an opportunity for the student to participate in the educational process: to determine the rate and sequence of learning material, etc.⁴

At the same time, the modern education system is increasingly acquiring the qualities of openness: the extension of the concept of Open Source software to educational materials leads to the emergence of open, freely distributed training courses⁵.

¹ N. I. Gdansky; N. L. Kulikova y A. A. Budnik, "Stem technology in the study of educational robotics", *Revista Inclusiones* Vol: 7 num Especial (2020): 206-219 y D. G. Korneev; M. S. Gasparian; I. A. Kiseleva y A. A. Mikryukov, "Ontological engineering of educational programs", *Revista Inclusiones* Vol: 7 num Especial (2020): 312-324.

² S. M. Duisenova; B. N. Kylyshbaeva; K. A. Avsydykova y Y. K. Ishanov, "Sociological Analysis of Educational Strategies in the System of Higher Education in Kazakhstan", *Space and Culture, India* Vol: 7 num 4 (2020): 181-193; G. M. Gogiberidze; V. A. Isakov; T. V. Ershova y O. V. Shulgina, "Development of innovations in the educational environment: inclusive education and digital technologies", *Revista Inclusiones* Vol: 7 num Especial (2020): 147-158; N. V. Ivanova y T. M. Sorokina, "The relationship between the categories "Educational environment" and "Educational space" in Russian Psychological and Pedagogical Science", *Revista Inclusiones* Vol: 7 num Especial (2020): 100-118 y F. A. Zueva; M. Zh. Simonova; S. G. Levina; I. A. Kilmasova y I. N. Likhomova, "Basics of production as a system-forming component of professional training of a modern teacher of natural scientific and technological cycles", *Revista Inclusiones* Vol: 7 num Especial (2020): 334-341.

³ M. Shachar y Y. Neumann, "Differences Between Traditional and Distance Education Academic Performances: A metaanalytic approach International", *Review of Research in Open and Distance Learning* Vol: 4 num 2 (2003): 1-20 y M. Allen; J. Bourhis, N. Burrell y E. Mabry, "Comparing Student Satisfaction with Distance Education to Traditional Classrooms in Higher Education: A meta-analysis", *The American Journal of Distance Education* Vol: 16 (2002): 83-97.

⁴ C. C. Chen y K. T. Jones, "Blended Learning vs. Traditional Classroom Settings: Assessing Effectiveness and Student Perceptions in an MBA Accounting Course", *The Journal of Educators Online* Vol: 4 (2007): 1-15; Y. N. Samylyna; V. A. Kishko; V. P. Filinov y E. N. Malysheva, "Key indicators of the economic activity of educational institutions: modeling and prospects", *Revista Inclusiones* Vol: 7 num Especial (2020): 1-14 y Y. A. Svirin; S. E. Titor; L. V. Inogamova-Khegai; O. O. Ivannikov y S. N. Shestov, "Modern trends in the development of qualification assessment of graduates of professional educational organizations", *Journal of Advanced Pharmacy Education & Research* Vol: 9 num 2 (2019): 149-155.

⁵ S. Peter y M. Deimann, "On the role of openness in education: A historical reconstruction", *Open Praxis* Vol: 5 num 1 (2013): 7-14; J. Hylén, "Open educational resources: Opportunities and challenges", *Proceedings of Open Education* (2006): 49-63 y A. V. Lobuteva; L. A. Lobuteva; O. V.

DR. M. YU. MARTYNOVA / PH. D. (C) O. A. EVREEVA / PH. D. (C) E. V. BAGDASAROVA

PH. D. (C) MARGARITA ANATOLYEVNA KOZHEVNIKOVA / PH. D. (C) SVETLANA NIKOLAEVNA BOGATYREVA

The recommendations of the Council of Europe, the Cape Town Declaration of Open Education ("Opening the Future of Open Educational Resources") 2007 and the decisions of the UNESCO World Conference on Higher Education in 2009 emphasize that the formation of competencies of the 21st century is possible with the integrated use of open and distance education and ICT tools which create conditions for mobility and wide access to quality education (in particular, based on open educational resources)⁶.

The openness of education is primarily related to the free access of all learning subjects to ICT tools, through which there is free access to educational materials and free access to education in general⁷. ICT of online training should provide open access not only to traditional educational materials in the form of teaching aids, textbooks, etc., but also to educational laboratory equipment – both directly, through remote control, and indirectly, through the use of virtual laboratories⁸.

It is noted in the "Magna Charta Universitatum" that openness of education presumes a careful attitude to the achievements of each education system⁹, which include, first of all, its following features: a) training both in mobile groups and in groups with a fixed composition; b) continuity and graduation, not only in the process of studying at a university but also in the system "school – college – university"; c) direct reflection of the curriculum in the training schedule¹⁰.

At the same time, the problem of choosing a suitable distance learning platform, as well as platforms that will be most effective in the implementation of online learning activities, becomes of particular importance. The importance of this problem is evidenced by an increasing number of publications devoted to various aspects of the problem of distance learning, including reviews of various systems and platforms for distance learning¹¹.

Zakharova; S. A. y Krivosheev y A. D. Yermolaeva, "Specifics of problem-based learning in the pharmaceutical education process", *Journal of Advanced Pharmacy Education & Research* Vol: 9 num 2 (2019): 131-136.

⁶ G. Conole, "Fostering social inclusion through open educational resources (OER)", *Distance Education* Vol: 33 num 2 (2012): 131-134.

⁷ J. S. Brown y R. P. Adler, "Minds on fire: Open education, the long tail, and learning 2.0", *EDUCAUSE Review* Vol: 43 num 1 (2008): 16-32.

⁸ R. Farrow, "Open education and critical pedagogy", *Learning, Media & Technology* Vol: 40 num 3 (2017): 130-146; N. Friesen y J. Murray, "Open Learning 2.0? Aligning student, teacher, and content for openness in education", *E-Learning & Digital Media* Vol: 10 num 2 (2013): 200-207 y A. I. Nikiforov; O. R. Kokorina; A. S. Bagdasarian; E. I. Shishanova y S. A. Beskorovaynaya, "The Evolution of Environmental Education as A Driver for Improving the Technologies of Managing the Use of Natural Resources", *Humanities & Social Sciences Reviews* Vol: 7 num 6 (2020): 1235-1240.

⁹ P. McAndrew, "Defining openness: updating the concept of 'open' for a connected world", *Journal of Interactive Media in Education* Vol: 10 (2010): 1-13.

¹⁰ A. Armellini y M. Nie, "Open educational practices for curriculum enhancement", *The Journal of Open, Distance, and e-Learning* Vol: 28 num 1 (2013): 7-20.

¹¹ M. Decuypere, "Open education platforms: Theoretical ideas, digital operations, and the figure of the open learner", *European Educational Research Journal* Vol: 18 num 4 (2018): 439-460; T. Dimitrios; S. Sofia; C. Paraskevi; K. Soultana; R. Triseugeni; S. Maria y Athanasias, T. "An adaptive and personalized open source e-learning platform". *Procedia - Social and Behavioral Sciences* Vol: 9 num 1 (2010): 38-43; E. Rahimi; J. Van Den Berg y W. Veen, "A learning model for enhancing the student's control in educational process using Web 2.0 personal learning environments", *British Journal of Educational Technology* Vol: 46 num 4 (2015): 780-792; K. Clements y J. Pawlowski, "User-oriented quality for OER: Understanding teachers' views on re-use, quality, and trust", *Journal of Computer Assisted Learning* Vol: 28 num 1 (2012): 4-14 y J. C. Glenda y H. Trotter, "An OER

DR. M. YU. MARTYNOVA / PH. D. (C) O. A. EVREEVA / PH. D. (C) E. V. BAGDASAROVA

PH. D. (C) MARGARITA ANATOLYEVNA KOZHEVNIKOVA / PH. D. (C) SVETLANA NIKOLAEVNA BOGATYREVA

Analysis of modern ICT tools for open education has shown that the most universal among them are open learning management systems, common properties of which are: the openness of the software code and development process; hardware and software mobility; support for pedagogical technologies of electronics, distance and mobile learning¹².

The use of open learning management systems creates conditions for giving the quality of continuity to the learning process through the technological integration of classroom and extracurricular work in the combined learning system¹³.

However, a review of the functional characteristics of open learning management platforms shows that none of them fully take into account these features. The openness of these systems makes it possible to modify them in order to take into account the peculiarities of the national education system, but making appropriate changes may require a radical restructuring of the core of these systems¹⁴.

The purpose of the article is to conduct a comparative analysis of the main functions and features of modern open distance learning platforms to determine their didactic potential when teaching humanities to students.

The purpose of the research is to solve the following tasks: to give a clear definition of the key concepts of the research; to outline the range of the most popular modern open distance learning platforms; to compare the features and main functions of selected open distance learning platforms when teaching students of humanities.

Research hypothesis: the use of open distance learning platforms will increase the effectiveness of training for future humanities specialists, while the teacher is a key figure in the distance learning process, the choice of a specific open distance learning platform depends on it.

Based on the results of the study, it can be concluded that the goal set in the study was achieved.

Methods

An approximate set of theoretical and empirical research methods was defined to achieve the research goal:

- theoretical methods (analysis, synthesis, comparison, generalization) – for the study of scientific literature on the state of the research problem;

framework, heuristic, and lens: Tools for understanding lecturers' adoption of OER", Open Praxis Open Education Consortium Global Conference Vol: 9 num 2 (2017): 151–171.

¹² C. Cansu, "Open source learning management systems in distance learning", The Turkish Online Journal of Education Technology Vol: 9 num 2 (2010): 175-184 y F. Martin; M. A. Parker y D. F. Deale, "Examining interactivity in synchronous virtual classrooms", The International Review of Research in Open and Distance Learning Vol: 13 num 3 (2012): 227-260.

¹³ Y. Shannon Li-Jen y M. Rice, "Scoring the Open Source Learning Management Systems", International Journal of Information and Education Technology Vol: 7 num 6 (2017): 432-436.

¹⁴ N. Cavus y T. Zabadi, "Comparison of Open Source Learning Management", Systems Procedia - Social and Behavioral Sciences Vol: 143 (2014): 521-526.

DR. M. YU. MARTYNOVA / PH. D. (C) O. A. EVREEVA / PH. D. (C) E. V. BAGDASAROVA

PH. D. (C) MARGARITA ANATOLYEVNA KOZHEVNIKOVA / PH. D. (C) SVETLANA NIKOLAEVNA BOGATYREVA

- empirical methods (expert survey) – to perform a comparative analysis of the main functions and features of modern open distance learning platforms and determine their didactic potential.

Results

Let us start by defining key concepts in order to avoid terminological confusion in the future.

Based on the expert survey, the following concepts were formulated.

A distance learning platform, in its most general form, can be defined as software that makes it possible to implement pedagogical and information technologies of distance learning by automating the creation and acquisition of knowledge in the distance learning system, as well as by providing the tools necessary for the three main users – the teacher, the student, and the administrator. Platforms for online learning events are Internet resources that provide users with services for implementing their online communication for educational purposes.

Distance learning platforms can be commercial or open (free of charge). In particular, according to experts, commercial platforms have several advantages, namely: functionality, security, reliability, a proper level of user support, regular updates and new versions, the ability to configure, and the availability of technical support.

In our research, we will focus on open platforms for organizing distance learning, implemented on the basis of Open Source solutions. These include ATutor, Claroline, Dokeos, LAMS, Sakai, Moodle, ILIAS, Google Classroom, and others.

The experts noted (85% of respondents) that the undoubted advantages of such platforms are that there is no need to pay for their installation and further use, a significant geographical distribution around the world, and the ability to make changes.

The experts (75% of respondents) attributed the following shortcomings: the difficulty in maintenance and technical support and sometimes complete lack of the mentioned support. However, the advantages outweigh the disadvantages, and in general, distance learning platforms based on Open Source solutions help to effectively organize the learning process.

Given the limited scope of our article and the increasing number of open platforms for distance learning, it is impossible to cover all of them, so the natural step is to consider the most promising and convenient solutions available at the moment, which the experts attributed to Moodle, Google Classroom, and Sakai (Table 1).

At the same time, the experts noted that these platforms can be effectively used when teaching full-time students of humanities, because the system can be used to place tasks for independent work of students, as well as to receive tasks completed by students in electronic form with a fixed date of delivery and conclude and conduct various tests, which can significantly optimize the work of the teacher, in particular by removing unnecessary work on checking the test answers, which is advisable to do automatically.

The use of open platforms for the implementation of online learning: the search for optimal forms pág. 191

No.	Platform	Advantages	Basic possibilities
1	Moodle	<ul style="list-style-type: none"> - one of the most popular in the world, used in more than 100 countries, and the number of its users reaches more than 18 million people; - freely downloaded from the Internet; - allows creating high-quality distance courses, its capabilities are not inferior to the functionality of many commercial systems; - ability to adapt to the needs of a specific educational project and add new services; - the main emphasis is on the interaction between students and the wide use of discussion; - simple, convenient and efficient interface; - the design has a modular structure that can be easily modified, and language packages that can be connected allow achieving full localization. 	<ul style="list-style-type: none"> - for teachers: registration of students with the possibility of their personalization and differentiation of rights to access educational materials, creating and conducting online courses, maintaining training reports and statistics, monitoring and evaluating the level of knowledge, conducting surveys and creating survey materials, ability to integrate with other information systems. - for students: ability to edit your accounts, add photos and change numerous personal details, get familiar with reminders of events in the course, upload completed tasks, view the results of tests and courses, communicate with the teacher via personal messages, form, and chat, constant availability of educational materials and tools for communication and testing.
2	Google Classroom	<ul style="list-style-type: none"> - integrated with Google Docs, Drive, Gmail, and is a part of the specialized educational package G Suite for Education along with the calendar, email, and other programs; - time-tested services that are combined in one program; - large user audience; - its functionality, despite the relatively short time of the platform's existence, is not inferior to existing market leaders. 	<ul style="list-style-type: none"> - for teachers: organization of communication with students, quickly prepare tasks and conduct classes, the ability to use the option of sharing the document, or the option of automatically creating a copy for each student, ability to see who is completing the task for each student, providing feedback and the ability to survey students in real-time; - for students: interactive access to tasks and materials that appear in folders on Google Drive, as well as comments in test task files; direct communication, both with the teacher and with classmates.
3	Sakai	<ul style="list-style-type: none"> - users can change and manage their passwords; - administrators can create an unlimited number of users; - it is used by several major universities in the world, including Stanford University, the University of Michigan, and others. 	<ul style="list-style-type: none"> - for teachers: settings for rotating the appearance of tasks, messages, or new course materials based on fixed dates or the activity of course participants, adding materials for a group or individual student, the creation of a group, even outside of courses, viewing student grades, creation of various tests and individual tasks,

			setting the time when students can access the tests, and limiting the time they take; - for students: self-registration for the course, the creation of personal folders in which they can upload files and into which teachers can download materials, use of search on topics of forums and documents, repeated test execution, getting a score based on test results immediately after they are completed.
--	--	--	---

Table 1
 Characteristics of open distance learning platforms
 Note: compiled on the basis of the expert survey

Having considered the platforms that have a significant potential for organizing various forms of distance learning, it is possible to turn to open platforms that can be successfully used for online learning events in the format of webinars, online training, online presentations, online training, online meetings, online conferences and effectively complement the system of distance education. These platforms for online learning activities can be installed on the university's server or placed on the Internet on the servers of outsourcing companies.

Based on an expert survey, let us provide a brief overview of the aforementioned platforms (Table 2).

No.	Platform	Characteristics	%*
1	Adobe Connect	Web conferences, webinars, PowerPoint presentations, collaboration with desktop applications, and video streaming. It is possible to use both a web service that does not require software installation or as a desktop client (AIR).	90%
2	WebEx	High-speed web conferences, support for audio conferencing (VoIP, regular phone), integration with MSOffice, and messengers. A WebEx player is required.	87.5%
3	COMDI	Web conferences and webinars based on the SaaS model with an audience size of up to 1,500 visitors.	85%
4	Firmbook	Free webinar service. It is possible to create paid webinars, but in this case, it is necessary to pay a percentage of the service.	82.5%
	OnWebinar	Conducting video conferences, webinars, video broadcasts, and surveys. The functionality contains chat (general and personal), common resources (drawing board, presentations, desktop display, files, and links).	
	OpenMeetings	Video conferencing, desktop sharing, sharing files on the whiteboard, uploading MSOffice documents and then converting them for collaboration.	
	Teamtalk	Conducting video conferences, webinars, and communicating with other users in real-time using both audio and video communication.	

Table 2
 Characteristics of open platforms for online learning events
 Note: compiled on the basis of the expert survey; * – percentage of expert mentions

These platforms are the most popular, according to the experts, and can be used for lectures, seminars, practical and laboratory classes, and consultations for correspondence

(distance) education. All software products are approximately the same in terms of their functionality, but free of charge (openness) is one of the important criteria when choosing a platform for conducting these classes.

Discussion

According to one of the experts interviewed, "the leading characteristic of distance learning is the indirect interaction of those who study with those who teach, that is, the use of active forms of interaction". At the same time, the majority of experts (90%) noted that the main types of training, including distance learning, are: lectures, seminars, practical classes, laboratory classes, consultations, and others. The peculiarity of using these types of classes is that they are conducted with students (students, listeners) remotely in synchronous or asynchronous mode. Getting training materials, communication between subjects of distance learning during training sessions conducted remotely is provided by the transmission of video, audio, graphic, and text information in synchronous or asynchronous mode.

In other words, active forms of communication and exchange of information between subjects of the educational process are being introduced in the education system today: seminars, training, round tables, conferences, and so on. At the same time, the experts noted that modern Internet technologies allow using the above-mentioned forms of communication between participants located in different parts of the world. Their communication is provided by computer technique with the use of the channels of the Internet and related software tools.

A separate interest in discussing the results of the study was caused by the technology of creating online courses using open distance education platforms.

Based on the expert discussion, it can be concluded that the first stage of creating online course materials is the development of a work program, in accordance with the hours allocated for the course by the university's educational department. At the same time, it should be taken into account that this is a distance education, and some lectures can be recorded in video format, and some of the material can be uploaded online. According to one of the respondents, "this combination will help you become more familiar with the theoretical material of the course and have a conscious understanding of the discipline". This aspect should be taken into account when developing a thematic plan in the work program.

After the approval of the work program, the panel of authors begins to develop a draft script for the online course or its expanded plan. The experts specified that the course authors should plan how much time is needed to develop individual topics, prepare video materials, and multimedia support; time is planned for technical processing and filling in the material of the created course on the selected platform. Each of the processes must have a responsible author assigned to it. Also, it is planned to spend time on testing the course and how often the course material is updated with new information.

The experts reminded that distance learning has all the components inherent in the educational process – goals, content, methods, organizational forms, and means of learning. This is all reflected in the next section – the draft scenario, which provides the structure and annotation for each section of the online course; reveals the purpose of training, the list of skills, the necessary technical support, a glossary and the structure of teaching theoretical

material for each topic. Additionally, a list of drawings, diagrams, tables, and video material is attached. It is planned to control the knowledge of students and tasks that need to be completed by students of the online course. At the end of the draft scenario, there is a list of recommended literature, links to the collection of electronic documents of famous Russian libraries.

The next step is to create an online course scenario. It is based on a draft course scenario, which is filled with ready-made theoretical material, links to video lectures, other multimedia, and links to tasks for evaluating the knowledge of course participants. The course scenario is a completed project that begins a new stage-technical filling of the online course with the material.

The person responsible for the technical implementation of the course (course administrator) creates the course on the selected platform; creates a team of course co-authors and empowers them; creates the structure of the course and adjusts the start time of registration for the course and the release time of each section and topic.

The experts reminded that the use of fonts, properly balanced distribution of text and graphic material, the size of text fragments – all this should be taken into account when creating theoretical blocks of the course. Authors should know the general components of media literacy before the technical content of the blocks. Each author fills the assigned topic with theoretical and multimedia materials from the online course scenario.

It is necessary to use the capabilities of Microsoft Office 365 to maximize the exchange of information and visualization between the tutor (teacher) and students. After receiving the password, the student logs in to their Microsoft account, and Office 365 provides the student with a complete set of tools for working with documents and communicating online.

Thus, the developed online course is ready before the registration of students for the course, and students have a full set of tools for proper training and assimilation of the course materials.

Conclusion

The article delineates the concepts of "distance learning platform" and "platforms for online learning events" and highlights promising resources for building an effective distance learning system.

A detailed analysis of three dedicated distance learning platforms (Moodle, Google Classroom, Sakai) showed that all of them are suitable for developing a training course, because they have all the functions necessary to ensure effective learning, and, therefore, the choice of one of them will depend entirely on the personal preferences of each teacher. The process of creating an online course includes such stages as developing a work program (thematic plan), a draft script for an online course (extended course plan), an online course script (filling in the material for the draft script), and technical transfer of the script to the appropriate platform. Platforms for online learning events can be used for lectures, seminars, practical and laboratory classes, and consultations for distance learning. All software products are approximately the same in terms of their functionality, but free of charge (openness) is one of the important criteria when choosing a platform for conducting these classes.

Thus, the hypothesis of the study was confirmed that the use of open distance learning platforms will increase the effectiveness of training for future humanities specialists, while the teacher is a key figure in the distance learning process, the choice of a specific open distance learning platform depends on it.

References

Allen, M.; Bourhis, J.; Burrell, N. y Mabry, E. "Comparing Student Satisfaction with Distance Education to Traditional Classrooms in Higher Education: A meta-analysis". *The American Journal of Distance Education* Vol: 16 (2002): 83-97.

Armellini, A. y Nie, M. "Open educational practices for curriculum enhancement". *The Journal of Open, Distance, and e-Learning* Vol: 28 num 1 (2013): 7-20.

Brown, J. S. y Adler, R. P. "Minds on fire: Open education, the long tail, and learning 2.0". *EDUCAUSE Review* Vol: 43 num 1 (2008): 16-32.

Cansu, C. "Open source learning management systems in distance learning". *The Turkish Online Journal of Education Technology* Vol: 9 num 2 (2010): 175-184.

Cavus, N. y Zabadi, T. "Comparison of Open Source Learning Management". *Systems Procedia - Social and Behavioral Sciences* Vol: 143 (2014): 521-526.

Chen, C. C. y Jones, K. T. "Blended Learning vs. Traditional Classroom Settings: Assessing Effectiveness and Student Perceptions in an MBA Accounting Course". *The Journal of Educators Online* Vol: 4 (2007): 1-15.

Clements, K. y Pawlowski, J. "User-oriented quality for OER: Understanding teachers' views on re-use, quality, and trust". *Journal of Computer Assisted Learning* Vol: 28 num 1 (2012): 4-14.

Conole, G. "Fostering social inclusion through open educational resources (OER)". *Distance Education* Vol: 33 num 2 (2012): 131-134.

Decuyper, M. "Open education platforms: Theoretical ideas, digital operations, and the figure of the open learner". *European Educational Research Journal* Vol: 18 num 4 (2018): 439-460.

Dimitrios, T.; Sofia, S.; Paraskevi, C.; Sultana, K.; Triseugeni, R.; Maria, S. y Athanasias, T. "An adaptive and personalized open source e-learning platform". *Procedia - Social and Behavioral Sciences* Vol: 9 num 1 (2010): 38-43.

Duisenova, S. M.; Kilyshbaeva, B. N.; Avsydykova, K. A. y Ishanov, Y. K. "Sociological Analysis of Educational Strategies in the System of Higher Education in Kazakhstan". *Space and Culture, India* 2020, 7:4 181-193.

Farrow, R. "Open education and critical pedagogy". *Learning, Media & Technology* Vol: 40 num 3 (2017): 130-146.

Friesen, N. y Murray, J. "Open Learning 2.0? Aligning student, teacher, and content for openness in education". *E-Learning & Digital Media* Vol: 10 num 2 (2013): 200-207.

Gdanský, N. I.; Kulikova, N. L. y Budnik, A. A. "Stem technology in the study of educational robotics". *Revista Inclusiones* Vol: 7 num Especial (2020): 206-219.

Glenda, J. C. y Trotter, H. "An OER framework, heuristic, and lens: Tools for understanding lecturers' adoption of OER", *Open Praxis Open Education Consortium Global Conference* Vol: 9 num 2 (2017): 151–171.

Gogiberidze, G. M.; Isakov, V. A.; Ershova, T. V. y Shulgina, O. V. "Development of innovations in the educational environment: inclusive education and digital technologies". *Revista Inclusiones* Vol: 7 num Especial (2020): 147-158.

Hylén, J. "Open educational resources: Opportunities and challenges". *Proceedings of Open Education* (2006): 49-63.

Ivanova, N. V. y Sorokina, T. M. "The relationship between the categories "Educational environment" and "Educational space" in Russian Psychological and Pedagogical Science". *Revista Inclusiones* Vol: 7 num Especial (2020): 100-118.

Korneev, D. G.; Gasparian, M. S.; Kiseleva, I. A. y Mikryukov, A. A. "Ontological engineering of educational programs". *Revista Inclusiones* Vol: 7 num Especial (2020): 312-324.

Lobuteva, A. V.; Lobuteva, L. A.; Zakharova, O. V.; Krivosheev, S. A. y Yermolaeva, A. D. "Specifics of problem-based learning in the pharmaceutical education process". *Journal of Advanced Pharmacy Education & Research* Vol: 9 num 2 (2019): 131-136.

Martin, F.; Parker, M. A. y Deale, D. F. "Examining interactivity in synchronous virtual classrooms". *The International Review of Research in Open and Distance Learning* Vol: 13 num 3 (2012): 227-260.

McAndrew, P. "Defining openness: updating the concept of 'open' for a connected world". *Journal of Interactive Media in Education* Vol: 10 (2010): 1-13.

Nikiforov, A. I.; Kokorina, O. R.; Bagdasarian, A. S.; Shishanova, E. I. y Beskorovaynaya, S. A. "The Evolution of Environmental Education as A Driver for Improving the Technologies of Managing the Use of Natural Resources". *Humanities & Social Sciences Reviews* Vol: 7 num 6 (2020): 1235-1240.

Peter, S. y Deimann, M. "On the role of openness in education: A historical reconstruction". *Open Praxis* Vol: 5 num 1 (2013): 7-14.

Rahimi, E.; Van Den Berg, J. y Veen, W. "A learning model for enhancing the student's control in educational process using Web 2.0 personal learning environments". *British Journal of Educational Technology* Vol: 46 num 4 (2015): 780–792.

Samylina, Y. N.; Kishko, V. A.; Filinov, V. P. y Malysheva, E. N. "Key indicators of the economic activity of educational institutions: modeling and prospects". *Revista Inclusiones* Vol: 7 num Especial (2020): 1-14.

Shachar, M. y Neumann, Y. "Differences Between Traditional and Distance Education Academic Performances: A metaanalytic approach International". *Review of Research in Open and Distance Learning* Vol: 4 num 2 (2003): 1-20.

Shannon Li-Jen, Y. y Rice, M. "Scoring the Open Source Learning Management Systems". International Journal of Information and Education Technology Vol: 7 num 6 (2017): 432-436.

Svirin, Y. A.; Titor, S. E.; Inogamova-Khegai, L. V.; Ivannikov, O. O. y Shestov, S. N. "Modern trends in the development of qualification assessment of graduates of professional educational organizations". Journal of Advanced Pharmacy Education & Research Vol: 9 num 2 (2019): 149-155.

Zueva, F. A.; Simonova, M. Zh.; Levina, S. G.; Kilmasova, I. A. y Likhounova, I. N. "Basics of production as a system-forming component of professional training of a modern teacher of natural scientific and technological cycles". Revista Inclusiones Vol: 7 num Especial (2020): 334-341.

CUADERNOS DE SOFÍA EDITORIAL

Las opiniones, análisis y conclusiones del autor son de su responsabilidad y no necesariamente reflejan el pensamiento de **Revista Inclusiones**.

La reproducción parcial y/o total de este artículo
Puede hacerse sin permiso de **Revista Inclusiones**, citando la fuente.