I. E-LEARNING AND INTERCULTURAL COMPETENCES DEVELOPMENT IN DIFFERENT COUNTRIES

CONTRASTIVE ANALYSES AND EVALUATION OF THE ICT AND E-LEARNING AND INTERCULTURAL COMPETENCES IN AUSTRALIA, CZECH REPUBLIC, THE NETHERLANDS, POLAND, PORTUGAL, RUSSIA, SLOVAKIA, SPAIN AND UKRAINE WITHIN THE FRAMEWORK OF THE IRNET INTERNATIONAL RESEARCH NETWORK PROJECT

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Curtin Business School, Curtin University Tomayess.Issa@cbs.curtin.edu.au, Theodora.Issa@cbs.curtin.edu.au Abstract: This article, prepared by an international team of authors - researchers from different scientific areas, connected with ICT, e-learning, pedagogy, and other related disciplines, focuses on the objectives of the international project IRNet. In particular, the article describes research tools, methods and some procedure of the WP2: Analyses of legal, ethical, human, technical and social factors of ICT and e-learning development, and the state of intercultural competences in partner countries: Objectives, Tasks, and Deliverables as well as conceptions and schedule of an implementation of the WP3. The second part of the paper includes data from preliminary research. During the study and analysis of global (international) and local (national) documents as well as university documents Table 1,2,3,4 were prepared which set out a comparison of the legal factors of ICT and e-learning development in all partner countries, for example Poland, The Netherlands, Spain, Slovakia, Portugal, Czech Republic, Australia, Ukraine and Russia in the context of the IRNet project - International Research Network.

Keywords: International Research Network IRNet, ICT, E-learning, Competences,

INTRODUCTION

Nowadays, we can observe a rapid transition of the knowledge society to the "society of global competence", in which both the global economy and the education systems are undergoing changes. It is evident that without an active implementation of innovative forms and methods of education, and above all, distance learning at all levels of education these objectives cannot be successfully achieved. At the same time we should identify the existing problem - the fact that e-learning methodology is not yet fully developed and specified, both within the EU and in Ukraine.

1. IRNet - International Research Network

Developing and implementation of the system designed to develop IT competences of contemporary specialists, in particular future teachers, current teachers, leaders, based on the systematic use of selected Internet technologies, such as some LCMS "virtual classroom" systems (as Moodle), Massive Open Online Courses, technology, social media, other selected Web 2.0 and Web 3.0 technology positively contributes to the development of skills in the area of IT and intercultural IRNet - International Research Network for competences. study and development of new tools and methods for advanced pedagogical science in the field of ICT instruments, e-learning and intercultural competences. This project is financed by the European Commission under the 7th Framework Programme, within the Marie Curie Actions International Research Staff Exchange Scheme. Grant Agreement No: PIRSES-GA-2013-612536. Duration of the project: 48 months 1/01/2014 - 31/12/2017. The IRNet project aims to set up a thematic multidisciplinary joint exchange programme dedicated to research and development of new tools for advanced pedagogical science in the field of ICT instruments, distance learning and intercultural competences in the EU (Poland, the Netherlands, Spain, Portugal, Slovakia) and Third Countries (Australia, Russia, Ukraine). The programme will strengthen existing collaboration and establish new scientific contacts through mutual secondments of researchers. The main objectives of the project are: 1) to exchange expertise and knowledge in the field of the innovative techniques of education between EU and Third Countries and suggest effective strategies of implementing new tools in their profession; 2) to analyse and evaluate social, economic, legal conditions, as well as methodologies and e-learning techniques being developed in the European and Third Countries involved.

The IRNet project aims to set up a thematic multidisciplinary joint exchange programme dedicated to development of new tools for advanced pedagogical science in the field of ICT instruments, distance learning and intercultural competences in the EU, Australia, Ukraine and Russia. The programme will strengthen existing collaboration between EU partners, and 3 third country institutions of higher education through mutual secondments of researchers. A more detailed conception of the project is described in the Project application and on the project web-site (www.irnet.us.edu.pl)

The main objectives of the project are as follows:

- 1. To evaluate teaching competences and to suggest effective strategies of implementing new innovative tools in the educational activity in the context of globalization of education.
- 2. To explore indicators of educational effectiveness in the EU and third countries involved in the project.
- 3. To exchange experiences, analyse and evaluate teaching competences in the use of innovative forms of education and suggest effective strategies of implementing innovative ICT tools in the education activity.
- 4. To analyse and evaluate social, economic, law and ethics conditions, as well as methodologies and models of e-learning techniques being developed in the European and third countries involved into the project.
- 5. To evaluate the effectiveness of the existing models/methodologies designed to provide e-learning and enhance intercultural awareness.
- 6. To develop a new model based on the current existing models/methodologies and literature review.
- 7. To evaluate and present new models/methodologies for an effective remote collaborative work and improve information technologies in Education Science in EU and third countries.
- 8. To actively transfer knowledge with a view to generating strategic impacts in the thematic research area.

- 9. To promote scientific discussion about the integrity of systems of education and work focusing on competence issues in the context of globalization of higher education.
- 10. **Staff exchange between institutions in Europe** (the Czech Republic, the Netherlands, Poland, Slovakia, Spain, Portugal) **and third countries** (Ukraine, Russia and Australia).
- 11. **To strengthen existing collaborative research** (e-learning methodology, web 2.0, web 3.0 technology analyses, intercultural competences, teacher skills in school of the future, social, human, IT, psychological, methodical, ethical, law factors, influence on the development of some key competences) (IRNet Project Application, www.irnet.us.edu.pl).
- 2. SETTING OUT THE METHODOLOGY OF THE INVESTIGATION, DESCRIPTION OF THE PROCEDURES, DATA AND THEIR ANALYSIS, CONCLUSION ON THE STATE OF THE ICT AND E-LEARNING COMPETENCES AND INTERCULTURAL AWARENESS

2.1. Methods

Scientific research involves the selection of appropriate methods and practices in order to achieve a particular purpose, solve a research problem, and obtain the results of research. "The research method is understood to mean a set of theoretically justified conceptual and instrumental procedures covering generally all of the researcher's actions in the course of the attempt to solve a certain scientific problem" (Pilch 1995). The concept of research methods is directly related to the term research techniques. According to (Lobocki 2003) "... a research technique is always a particularized variety of research methods." It is used for carefully collecting suitable research material (Smyrnova-Trybulska et al 2014a).

The planned scientific activities are divided into **seven interconnected work packages** (http://www.irnet.us.edu.pl/documents) in order to structure the work planned, of which five are based on joint researches of all the partners, one is focused on the dissemination of results (WP7) and one WP is designed to project management (WP1). Each of Work Packages is designed to one of main research activities of the project and aims to develop a new conceptual and methodological approach in the thematic research area. These will be also a basis of long term research collaboration promoting knowledge transfer between EU and third countries.

2.2 Research instruments

To achieve the aims of the project the research group developed a questionnaire which is designed to gain data on the students' views and attitudes towards various

educational processes in their educational environments, entailing modes of ICT implementation, intercultural and professional competences.

A comparison of different factors of ICT and e-learning in several partner countries is carried out using *methods*, *research techniques and tools* compatible with the aims and tasks of WP2. Research methods are divided into *quantitative* and *qualitative* pedagogy.

- I. Methods of pedagogical research:
 - a. *Quantitative*: 1) pedagogical monograph (research papers), 2) method of individual cases, 3) method of diagnostic survey.
 - b. *Qualitative*: 1) depth interview, 2) qualitative analysis of the text (documents), 3) observation.
- II. Techniques of educational research:
 - 1) observation,
 - 2) interview,
 - 3) questionnaire,
 - 4) study and analysis of documents,
 - 5) content analysis.
- III. The main research tools:
 - 1) interview questionnaire,
 - 2) questionnaire,
 - 3) survey,
 - 4) observation tools,
 - 5) development of the subject dictionary,
 - 6) research trip and visiting a partner university,
 - 7) meeting, (video)conference, seminar, workshop, etc.

Researchers will be expected to take part also in events, such as conferences, workshops and roundtables, particularly ones that deal specifically with their topic(s) of research, for example:

- Initial seminar in Poland in a remote form (using Adobe Connect technology for videoconferences) (held on 12 November 2013).
- Meeting for all project participants in Spain (held in March 2014).
- Videoconferences and roundtable debate once a month (scheduler of the project videoconferences available on http://www.irnet.us.edu.pl/news).
- Meeting and Workshop (HSPU, Russia) (held in April 2014).
- Conferences:

- International scientific-practical conference "High-tech information educational environment", April 15, 2014 at Herzen State Pedagogical University of Russia (held on 15 April 2014).
- o International Scientific Conference DIVAI 2014 (Distance Learning in Applied Informatics) UKF (Slovak Republic), (was held 5-7 May, 2014);
- o International Scientific Conference "Innovations in higher education and dissemination of the initial results of the research on the law, ethical, human, technical, social factors of ICT developments, e-learning and intercultural developments in deferent countries" (DSTU, Ukraine), (was held 24-26 June, 2014), others.

The diagnostic research instrument of more than 60 questions was translated into students' native languages (Czech, English, Netherlands, Polish, Portuguese, Russian, Slovak, Spanish, Ukrainian) and presented in on-line versions by university survey system and by Google Drive.

The questionnaire covered the following topics:

- Sociological data required for the purposes of the research (Country, Nationality, Sex, Age, Name of the university, Field of study, Specialization, Year of study, Level of studies (Bachelor's degree, Master's degree)
- 2) The group of questions, in the area of intercultural competences.
- 3) The group of questions, concerning ICT competences, using social media for extracurricular activities of students.
- 4) The survey questions which are reflective in nature, revealing students' opinions about the courses and their assessment in terms of substantive, methodological, technological, organizational aspects, and e-learning as a technology, method and a form of obtaining education.

2.3. Some research outcomes

The project seeks to use the synergies and complementarities of the 10 research teams to furnish a more accurate and holistic picture of the current state of universities. Each of these Work Packages is designed to produce specific outputs: workshops to discuss the results, a website, a working paper series to put the research results quickly into the public domain, and a book covering the scientific achievements. Overall, the work packages aim to widen an established research agenda and to develop a new conceptual and methodological approach. These will be the basis of a joint research application and long term research collaboration, which will assist in promoting and reflecting upon a knowledge transfer between EU and non-EU countries. (Kommers et al 2014). The Tables 1 and 3 shows a Comparison of legal factors of ICT and e-learning development in **The**

Table 1.

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Netherlands, Poland, Ukraine, Russian Federation, Australia, Spain, Portugal, Czech Republic. Slovakia. The Tables 2 and 4 includes Comparison of legal factors at UT, US, BGKU, HSPU, CU, UEx, LU, UO, UKF universities participating in the project.

Comparison of legal factors of 1CT and e-learning development in the Netherlands, Poland, Ukraine, Russian Federation and Australia

ICT and e-learning in education The Netherlands **Poland** Ukraine Russian Australia **Federation** Qualifications Decree the National In The Dutch State Standards Ministry of students University system Framework (Resolution Education and eligible to enter of Cabinet of Ministers Science is characterized by education. of the of Ukraine. free entrance Preparing 11 Russian based Federation dated average each student who for the November 2011) 03.08.2012 No experience. graduated from the teaching "On 583 Australian secondary school. profession monitoring the International provided that the (Law activities of Students pay fees for the federal needed subject Higher government bachelor Education. courses have been educational postgraduate covered. Act of 27 institutions degrees, Fees are waived The targeted July 2005, higher education" Australian competences Article 9c.) http://www.edu. students who will both academic and ru/dbcomplete professional. Still mon/mo/Data/d Master 12/m583.html the prescribed philosophy and a PhD. for the language courses bachelor stage taught in English. Dutch: Masters-According and Ph.D. curricula Australian Curriculum are saturated with Assessment English the Reporting moment. Authority (2012) Digital technologies available higher education students' knowledge skills to manage, organise. analyse. represent present information, and

Could distance learning be officially used as a legal learning and teaching form and teaching at high school? What are the conditions?

Ukraine

The use of media in Dutch Higher Education encouraged as far as it contributes to flexibility and internationalisatio n. Step by step the ministry of higher education becomes aware that MOOCs arc helpful to keep diversity programs alive as not all specialties be can afforded bv the limited number of universities staff members.

The Netherlands

The number of hours in remote mode does not exceed 60% of the total number hours classes. (Regulation of Minister of Science and Higher Education of 9 May 2008)

Poland

Regulation of Minister of Science and "About Higher Education of 30 About Education" April 2013 The Regulation defines The Law officially the distance form similar provides to the remote form. The possibility to use Regulation does detail the time, which distance can be used by teachers technologies. University to Organizations of the conduct classes on-line. engaged Resolution educational (authorization) on the activities are able implementation distance education, as a and separate form of student education training, can be granted technologies in the to Universities can implementation of receive by the Ministry educational of Education and Science programs. respect of structural units that are geographically distant from the head office of University. the University is not allowed freely choose implement such learning. On July 1, 2014 Ministry of Education and Science allowed only universities to implement education distance officially. All the other Universities have to blended conduct learning. 2013, Since to the indicators of the Universities rating conducted by Ministry of Education and Science and public organizations indicators have added that are connected with the presence University resources in Internet Webometrics indicators. Such indicators are an incentive for the Heads Universities implement distance learning and expand eresources that are part of the electronic learning environment of University

Russian Australia

Federation the Federal law The Australian universities using various teaching modes i.e. F2F, Online, MOOC and Distributed, not e-learning coverage learning anytime, anywhere, any device and match student and employer satisfaction. of to use e-learning Curtin University distance is using the above modes to facilitate learning experiences students.

Table 2

Comparison of legal factors at UT, US, BGKU, HSPU, CU universities participating in the project

University of	University of	Borys Grinchenko	HSPU	Curtin
Twente in Enschedi	Silesia in	Kyiv University		University
The University of Twente has adopted the potential of MOOCs in a way that stimulates the further evolution of mediated learning, both on- and off-campus. Its goal is growing quality awareness at the level of teachers and curricular designers.	Ratowice Decree No. 66/2012 formally allows one to teach up to 60% of classes in the remote mode. Proper operation of university distance learning platforms and their availability is coordinated by the Director of the Distance Learning Center (DLC) at the University of Silesia. A prerequisite for an academic teacher of distancemode classes is to undergo special training, organized by the DLC at the University of Silesia (5 hours for lecture and 20 hours for authors). Dean may exempt an academic teacher who has experience in the methods and techniques of distance education from the educational training. Field activities, workshops and laboratories are not carried out in the An academic teacher can teach classes in the distance mode during the academic year for no more than 50% of the hours of their normal working hours.(Degree No	Regulation on e- learning courses in LMS Moodle, and special requirements for e-learning courses	mplementation of primary am secondary distano education program (Development program 2012-2015)	
Quite recently the board of governors at the university of	number of e- learning courses.	Approval of the Regulation 01 professional development of teachers	Development of electronic educational	Curtin University developed so

Twente has expressed explicit interest undertake MOOCs as a format implementing fields of excellence. One of the challenges is to integrate social (pseudo) presence, constructivism, problem-based learning and social media. Prior these mechanisms. there is a need to allow students to prove competence through unique, authentic learning achievements like design and societal problem solving, rather than just if checking the curricular components are mastered.

by the creation of e resources aimed at activity distance teaching. learning courses compulsory for Organisation of teachers, availability o lifelong learning an electronic course as: courses and necessary condition fo training - also in receiving the title o the form of eassociate professor an learning in Polish and English - in professor. increase in the numbe the use of electronic of e-learning courses databases for Using and developing information students, doctoral technologies for mor candidates and employees. Using individualised education in implementation in the form of e-learning of remote support and developing modern computer and blended learning and information (Development Strategy technologies 2013-2018). more Decree on individualised Experiment of education in the mixed type of education teaching form of emasters learning and programmes, 2013 blended learning Decree on the (Development mandatory use of ELC 2012teaching Strategy 2020). correspondence Development, department students, launch and 2014 organization of in-Order on analysis of service training Webometrics ranking courses in distance indicators all Institutes learning and University fundamentals of and incorporating them Moodle for into domestic teachers university academic rankings. students by 2013 and Distance Learning Approval of a corporate Centre (DEC) standard of Master's (Development ICT competence, 2014 Strategy 2012- Approval of a corporate 2020). standard of university teacher's ICT competence, 2014

far remote support for MOOCs. various categories of students (pupils, students, students, professors, as. teachers. people building with disabilities), including foreign languages. Teachers' training Curtin and students with Australia. the use the electronic using educational resources (Development program 2012-2015) assist teaching and

and implemented two of these in 2013. As well Curtin world-leading group of online courses through Online Open Universities Currently. Curtin is using the Innovation Studio, which is collaborative workspace, in and learning needs achieve students' needs.

three

Table 3. Comparison of legal factors of ICT and e-learning development in **Spain**, **Portugal**, the Czech Republic, Slovakia

ICT and e-learning in education							
<u>Spain</u>	Portugal	Czech Republic	Slovakia				
Law of Universities. Organic Law 6/2001. BOE 24-12-2001 (http://www.boe.es/boe/dia s/2001/12/24/pdfs/A49400 -49425.pdf).	Education System Base Law (Law 46/86, modified by the Law 115/97)	Act no. 111/1998 coll. (amended and consolidated) On higher education institutions And on amendments and supplements to some other acts	institutions, Last				
Law that modifies the Law of Universities: Organic Law 4-2007. BOE		(the higher education act)	Law. No. 455/2012, which modifies				

13-4-2007 (http://www.boe.es/boe/dia s/2007/04/13/pdfs/A16241 -16260.pdf).

It is not officially regulated. Options:

1. Officials Titles of the Ministry of Education are regulated by the National Agency for Quality Assessment and Accreditation (ANECA).

2. Officials Titles of the each University are regulated by the Council of Government of University.

In the Article 16th c), of the 46/86 law the distance learning considered as yet valid special method for learning Article 21st of the same law is specific for distance learning and it states on its point number 3 that the open University is part of distance learning

the law no. 131/2002 On higher education institutions and on the amendment to some other acts.

Section 44, ACT NO. 111/1998 Coll. states that "A higher education is earned through studies within the framework of an accredited degree programme offered in line with the curriculum for the given mode of studies. Distance mode of study and combination of fulltime and distance mode All study programmes must be backed up by study support in all the courses taught in the distance Study mode. support consists of a set of information which substitutes direct teaching. It cannot be an excerpt from a textbook or another reduced text. Study support must include tasks for student's individual work, rules for communication with the tutor etc.

Source: Own research, 2014

Table 4.

Comparison of legal factors at universities UEx, LU, UO, UKF participating in the project

University of Extremadura, Spain	Lusiada Lisbon University, Portugal	University of Ostrava, Czech Republic	Constantine the Philosopher University in Nitra, Slovakia	
It is not officially	Law 46/86 allows open	The University of	The Law 131/2002	
regulated. Each	University to use	Ostrava has the	defines the study forms	
educational project,	distance learning. We	"Internal Accreditation	and methods. The	
face to face, e-learning	are implementing a	Commission" that	distance and blended	
or b-learning, can have	way to use distance	considers whether the	form recommends	
various modalities and	tools to teach our	accreditation	replacing the direct	
configurations. It must	students in partner	applications of study	communications between	
be approved by the	countries such as	programmes respect	teachers and students by	
Council of Government	Angola or Cape Verde	the Accreditation	information and	
of University		Commission	communication	
•		Standards.	technologies.	
	Increase of using e-	Approximately 50% of	Distance learning using	
	learning platforms such	regular students	e-learning is not widely	
	as Moodle platform for	studies using the	used, LMS is used on the	

general contents and DSpace for multimedia contents. Virtualization the Academic procedures allowing that great part of the information consulted either internet or by mobile platforms (smartphones, tablets. and so on). Teachers are being impelled to acquire digital competences to deal with the teaching

media of the future.

form at study, Pedagogical Faculty, form University of Ostrava. The students use study support, internet and tutorials that provided once a week (6 - 7 hours) each semester.

S. Cubo Delgado. P. Pinto. T. Issa. T. Issa of voluntary basis to support The the present and distance of study. technologies are extensively used for the organisation of independent work of students and knowledge control.

> The managerial and technical aspects of the e-learning implementation at UKF defined in the internal directive 14/2007.

Source: Own research. 2014

The above tables include a Comparison of legal factors of ICT and e-learning development in the different partner countries from West, Central, East European and Australia, and show shared identical, similar, overlapping data and differences in state policies and university regulations in different project partners. For example in the West European universities the potential of MOOCs is adopted in a such way that stimulates the further use of other ICT tools and e-learning for flexible learning and teaching and for internationalisation of education. In the Central European universities and in Australia blended learning is implemented on the basis of the Regulation of the Minister of Science and Higher Education, for example in Poland the number of hours in the remote mode does not exceed 60 % of the total number of hours of classes. In Russia and Ukraine also a Regulation of the Minister of Science and Higher Education has been issued which defines the distance form similar to the remote form. Simultaneously, the Regulation does not specify the time, which can be used by teachers of the University to conduct classes on-line. One of the aims of this WorkPackages research was to analyse legal, ethical, human, techniques, social factors of the development of ICT, e-learning and intercultural development in every partner countries by studying government as well as university documents, resolutions, etc. The researchers took part in events, such as conferences, workshops and roundtables. Through this activity the partners and researchers could be involved in collective research, an exchange of results of study as well as previous experience and development of suggestions on the factors which contribute to the higher/lower level of the examined competences and possible solutions to improve the situation at the national level.

It can be observed that due to the extensive use of technology in the practice of elearning in Russia, more and more legislative activities are being undertaken in order to ensure a flexible legal framework for the implementation of these technologies in the educational institutions of different levels. The main prerequisites for organizing educational interaction are determined by the Federal Law About Education (2012), the concept of a unified information educational environment in Russia (2013), and the Order of Ministry of Education and Science, which prescribes the manner in which e-learning and distance learning technologies should be used (2014).

At the same time, these regulations contain a number of contradictions and insufficiently developed items that need to be complemented by regulatory enactments at the university level. In particular, it concerns the distribution of classroom and distance learning classes. For optimal organization of the educational process with the use of e-learning technologies the experience of universities that participate in the project is relevant and useful for Russia. Consequently, all the universities are deeply involved in e-learning. It depends on the university educational policy. However, students are accustomed to submitting their results by electronic methods and consider such a way quite effective.

The results obtained during the survey of students' questionnaire prove close relationship and mutual influence of classroom and extracurricular interactions in the virtual learning environment. The virtual learning environment is effective when it reflects students' interests and demands: educational information, suggestions for work, invitations to participate in events (conference, contests), photo galleries and reports on past events, resources for distant learning and other educational resources (Noskova et al).

3. SUGGESTIONS ON THE FACTORS WHICH CONTRIBUTE TO THE HIGHER/LOWER LEVEL OF THE EXAMINED COMPETENCES AND POSSIBLE SOLUTIONS TO IMPROVE THE SITUATION AT THE NATIONAL LEVEL

The next stage of the project research is implementation od the WorkPackage 3 (Coordunator prof. Tatiana Noskova, HSPU). One of the most important aims of this WP3 is: to analyze methodological background and main approaches of conducting international investigations on ICT, e-learning and intercultural competences in order to work out a system of measuring instruments appropriate for the research at the international level.

3.1. WP3: Analyses and evaluation of the ICT level, e-learning and intercultural competences development in every participating countries

3.1.1. Objectives

- To analyse and evaluate the level of ICT, e-learning and intercultural developments in every participating country applying the system of measuring instruments approved
- To compare the results obtained and to draw the conclusion about barriers in ICT, e-learning and intercultural competences, taking into consideration descriptions

of the national specifics of law, human, social, ethical and technological factors of their implementation drawn at the previous WP.

Analyses and evaluation of the JCT level, e-learning and intercultural competences development in every participating countries.

3.1.2. Description of work

On terms of mutual research and under the supervision of the US (Poland), partners from UT (The Netherlands), UEx (Spain), UKF (Slovak Republic), CU (Australia), BGKU (Ukraine), DSTU (Ukraine), HSPU (Russia), OU (Czech Republic), LU (Portugal) will be engaged in a critical review of the existing methodological literature, learning of the experiences in cross-cultural evaluation at the international level, study of the measuring instruments.

- Task 3.1: The main task of WP is to develop a system of instruments which will be appropriate for application in every country participating in the project, and will allow to obtain reliable and comparable data about JCT development, e-learning, teachers' and students' practices and attitudes towards ICT in their learning and professional life as well as their intercultural awareness. Investigation embraces domestic and foreign experience in the field of distance learning and the use of remote forms of education and IT technologies in preparing contemporary specialists, in particular future teachers. It includes identification and theoretical justification of the basic principles, forms, methods of effective use of ICT and remote forms of teaching in the educational process in higher education institutions.
- Task 3.2: Comparison of the data obtained with the information elicited and generalized at the previous stage about the legal, ethical, human, technological and social factors that will help to discriminate factors influencing ICT and e-learning competences and intercultural awareness. Instruments supposed to be implemented are interviews of students, teachers and administrations of the institutions, observation over the learning practices, analysis of teaching and learning downloads and teaching materials, courses and their curricula, testing of students' learning outcomes, etc.
- Task 3.3: The number of participants in the research will be stated according to the demand to obtain objective and profound information of ICT development, elearning and intercultural competence in every participating country. The data are going to be analyzed by the statistical methods proving their significance, reliability and objectivity.
- Task 3.4: Researchers will be expected to take part in events, such as conferences, workshops and roundtables, particularly ones that deal with their topic(s) of research: *ICTE-2014 at OU* (Czech Republic) (presence and remote participation, separately financing, for example, statutory research, Erasmus, University, Departments funds).

- Task 3.5: Conference Education of children and youth in culturally diverse environments 2014 at the US (Poland), Conference Theoretical and Practical Aspects of Distance Learning 2014 (Subtitle: E-learning and Intercultural Developments in Different Countries) and Workshop at the US (Poland).
- Task 3.6: Meeting in Australia (in presence and remote form),
- Task 3.7: Workshop and e-round table debate in LU (Portugal),
- Task 3.8: Meeting and workshop in UT (Netherlands),
- Task 3.9: International Scientific Conference "New educational strategies in contemporary digital environment" (HSPU, Russia)

3.1.3. Deliverables

- D 3.1. Month: 9 4 scientific papers, published in the ICTE 2014 Conference proceeding
- D 3.2. Month: 10 Discussion and e-round table debate Analyses and Evaluation of the ICT and E-learning and intercultural competences in Australia, Czech Republic, Netherlands, Poland, Portugal Russia, Slovak Republic, Spain and Ukraine during presence meeting and on-line videoconference, conducted by CU.
- D 3.3. Month: 10 Monograph Education of children and youth in culturally diverse environments
- D 3.4. Month: 11 Scientific working paper on *Contrastive Analyses and Evaluation* of the ICT and e-learning and intercultural competences in Australia, Czech Republic, Netherlands, Poland, Portugal, Russia, Slovak Republic, Spain and Ukraine setting out the methodology of the investigation, description of the procedures, data and their analysis, conclusion on the state of the ICT and e-learning competences and intercultural awareness, suggestions on the factors which contribute to the higher/lower level of the examined competences and possible solutions to improve the situation at the national level.
- D 3.5. Month: 12 Monograph E-learning and Intercultural Developments in Different Countries
- D 3.6. Month: 16 Scientific paper titled *New Educational Strategies in Contemporary Digital Environment, prepared for publish in Scientific International Journal IJCEELL (published during 3 months after sending to the Journal)*

D 3.7. Month: 16-2 Scientific papers, prepared to publish in Scientific International Journal IJWBC (published during 3 month after sending to the Journal) (IRNet project Application, www.irnet.us.edu.pl)

CONCLUSION

It is expected that further partnership's contribution to the area of collaboration will be as follows: A dataset for the analysis of the level of development of ICT, elearning, intercultural competences in different EU countries; A literature and IT tools review and analysis of its place and level in European educational system and in the countries - project partners. The arrangements of different types of temporary work contracts as implemented in each of the EU countries under consideration will be studied; A detailed ICT and intercultural competences developing methodology for the evaluation of the network research effect in educational institutions of different EU countries; A deepening of the classification of different welfare state regimes, assessing their effectiveness to represent different educational institutions. This result will be achieved by means also of cluster analysis of the systems based on different methodologies and variables; A detailed identikit of teacher in each of the six countries mentioned elsewhere in this project as an expression of a given welfare and educational regime; Country studies aimed at assessing the network research effect in each country considered. The final stage of elaboration of these studies will consist of submitting them to international journals; implementation of methodologies; A cross-country study of the network research effect; Education suggestions on the issues studied in the project.

ACKNOWLEDGMENTS

The research leading to these results has received, within the framework of the IRNet project, funding from the People Programme (Marie Curie Actions) of the European Union's Seventh Framework Programme FP7/2007-2013/ under REA grant agreement No: PIRSES-GA-2013-612536

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