

Summary report on research accreditation

I. General information

Name of organization	The Institute of Education Sciences		
Organization type (<i>to underline</i>)	Research institute	Higher education institution	<u>Ministerial research institute</u>
Research direction (s) of organization	<ul style="list-style-type: none"> – Providing scientific assistance of the educational process through the perspective of the European Area integration; – setting priority directions of developing and deepening pre-university education reform; – developing pedagogical, psychological and sociological bases of quality education insurance; – modernizing the curriculum in terms of subjects' competence training in elementary, secondary and high-school education; – scientific foundation of evaluation in pre-university educational system; – standard modernization in pre-university education; – developing psychological benchmarks for grounding education policy; – promoting inclusive education and the integration of children with special education needs; – systematization of principles of didactic instruments development for students' linguistic and literary education; – developing strategies for improving human resources management in education; – developing theoretical and praxiological bases of financial management in education. 		
Correlation with strategic research direction (s) of activity in the field of science and innovation for 2013-2020	<ul style="list-style-type: none"> – Capitalization of human, natural and information resources for a sustainable development (2011-2012); – National heritage and the development of society. 		
Evaluated period	2011 - 2015		
Web of organization	ise.md		

II. Research capacity (annual average for evaluated period)

Total number of employees	61.4					
Number of scientific researchers	35					
Number of researchers who possess honorific titles, scientific degrees, scientific and scientific-didactical titles	ASM full members	ASM corresp. members	Professor	Associated Professor	Dr.hab.	Dr. (PhD)
	-	-	4.6	14.2	6.2	27.4
Number of researchers involved in international projects	European Commission Programmes		United Nations Programmes and Funds		Bilateral Programmes financed from	Others

	TEMPUS SALIS 5.6	UNICEF 12	the national budget -	-
Number of young researchers (under 35 years old)	PhD students 12		Others 10	
Financial resources – revenues (thousand MDL)	Public budget 3000.0		Special means 2395.9	
Categories of special means (thousand MDL)	National 49.8		International 2346.1	
Distribution of expenditures (thousand MDL)	Salary 3671.2	Procurement of scientific equipment 105.7	Traveling for scientific purposes (travel, accommodation, per-diems, etc.) 50.7	Other 1134.42
List of 3 basic research methods, equipments, technologies (per accredited field)	<ul style="list-style-type: none"> – Comparative analysis and documentation; – pedagogical experiment: constative, developing and controlling stages; – psychological methods for setting students' performance. 			
List of provided scientific services	-			
List of editorial activities	"Univers Pedagogic" Journal, ISSN 1811 - 5470, Category C			

III. Distribution of the number of research projects and themes during the evaluated period

ASM institutional projects	2011 6	2012 6	2013 6	2014 6	2015 6
ASM projects in the frame of State Programmes	2011 -	2012 -	2013 -	2014 -	2015 -
ASM technological transfer projects	2011 -	2012 -	2013 -	2014 -	2015 -
ASM projects for equipment procurement	2011 -	2012 -	2013 -	2014 -	2015 -
ASM projects for young researchers	2011 -	2012 -	2013 -	2014 -	2015 -
ASM projects in the frame of bilateral programmes	2011 -	2012 -	2013 -	2014 -	2015 -
International projects/grants	2011 2	2012 2	2013 1	2014 1	2015 1
List of 3 representative international projects/grants	1. Development of the quality assurance system in secondary education in terms of child-friendly school and the knowledgeable society (2012). UNICEF, Coordinator: Bucun Nicolae, 2464.4 thousand MDL;				

	<p>2. Development of the efficiency standards of learning and quality standards of the secondary education institution in terms of child-friendly school (2013-2014). UNICEF, Coordinator: Bucun Nicolae, 1901.6 thousand MDL.</p> <p>3. Implementation of quality standards of primary school institutions, secondary and high schools in terms of child-friendly school (2015). UNICEF, Coordinators: Bucun Nicolae, Captarencu Vitalie, 2029.8 thousand MDL.</p>				
Research contracts	2011	2012	2013	2014	2015
	-	-	-	-	-
List of 3 representative research contracts	-				

IV. Scientific publications

Total number of publications abroad	Books 1	Chapters in books 1	Journal papers 19	Conference abstracts 8
Total number of publications in ISI journals and books	Books -	Chapters in books -	Journal papers -	
Total number of publications in the country	Books 23	Chapters in books 26	Journal papers 189	Conference abstracts 23
List of 5 representative publications (per accredited field)	<ol style="list-style-type: none"> 1. POGOLȘA, L. Theory and praxiology of the curriculum management. Ch.: Lyceum, 2013. 360 p. ISBN 978-9975-4394-7-3. <i>(in Romanian)</i> 2. ANDRIȚCHI, V. Theory and methodology of the human resources in education. Chișinău: PRINT-Caro SRL, 2012. 288 p. ISBN 978 – 9975-56-054 -2. <i>(in Romanian)</i> 3. Specific competences assessment reference to school children. Coord. șt. Nicolae Bucun, Lilia Pogolșa, Chișinău: S.n., 2014 (F.E.-P. „Tipogr. Centrală”). 596 p. ISBN 978-9975-53-333-1. <i>(in Romanian)</i> 4. BUCUN, N.; GLAVAN, A. Hyperactivity syndrome with the lack of attention at primary school pupil. Monograph. Ch.: IȘE (Tipogr. „Cavaioli”), 2015. 155 p. ISBN 978 – 9975-48- 095-6. <i>(in Romanian)</i> 5. BUCUN, N., PALADI, O. RUSNAC, V. Evaluation for inclusive education of preschool and primary school children. Chișinău: Tipogr. „Sirius”, 2013, 372 p. ISBN 978-9975-57-114-2. <i>(in Romanian)</i> 			
List of 5 citations	-			

V. Innovation outputs

Total number of patents	Registered in the country -	Registered abroad -	Implemented -
Total number of new developed methods and technologies	Registered 20	Non-registered -	Implemented 20
Total number of new scientific products	Registered 55	Non-registered -	Implemented 110
List of 5 representative innovation outputs	– 64 curricula have been upgraded, approved by the National Council for Curriculum;		

(per accredited field)	<ul style="list-style-type: none"> – 35 methodologies have been developed for curricula implementation, approved by the National Council for Curriculum; – the standards of school subjects were developed, approved by the National Council for Curriculum; – 7 training programs were developed; – the concept based on skills assessment was developed; – Assessment Reference Models were developed for I-IV, V-IX and X-XII forms, approved by the National Council for Curriculum.
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VI. Other outputs

Total number of scientific outputs for central and local authorities (draft of law, strategies etc.)	4		
Total number of scientific outputs for educational institutions	Handbooks for higher education 1	Handbooks for pre-university institutions 20	Number of researchers – supervisors of license and master theses 23

VII. Major scientific and innovation achievements

Short description of main scientific results and their confirmation (by awards, citations, development of international projects etc.)	<p>There have been developed the:</p> <ul style="list-style-type: none"> – psychological mechanisms of interference in the context of psychological assistance; – patterns of preschool children socialization within integrated activities in kindergarten based on family-oriented partnership; – terms of National-European integration of the humanistic education value; – paradigm of integrated education; – methodological guidelines with reference to active citizenship education based on interdisciplinary approach. <p>The scientific results formed the ground for the elaboration of:</p> <ul style="list-style-type: none"> – <i>scientific-applicative guidelines of psychological assistance</i> development in educational system (mechanisms and methodologies of psychological assistance, project of standards of quality of the psychologist's); – <i>training methodologies</i> of psycho-pedagogical assistance; – <i>methodological suggestions</i> for Curriculum review for social and human subjects in terms of active citizenship education and students' social inclusion skills; – <i>recommendations for in-service and pre-service teacher training programs</i> for social and human subjects in terms of active citizenship education on the basis of interdisciplinarity approach; – <i>Methodological Guide</i> for teachers in terms of active citizenship education on the basis of interdisciplinary approach; – <i>methodological and teaching support</i> for pre-school educational institutions to increase the level of socialization;
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	<ul style="list-style-type: none"> – <i>optimized school curriculum</i> for Physics, Biology, Chemistry, Mathematics (gymnasium level); – <i>revised school curriculum</i> for Computer Sciences, Technological Education and Physical Education (gymnasium level); – methodology of optimization of the School Curriculum; – <i>Interdisciplinary school Curriculum</i> for Science (the 1st form); – <i>Transdisciplinary School Curriculum</i> for Science (X-XII forms, humanitarian profile); – <i>Recommendations for implementation of the Model</i> of values for humanistic education in gymnasium and high school; – <i>Guide Management of learning activities.</i> 				
Number of researchers invited as speakers at international conferences	2011 18	2012 18	2013 20	2014 4	2015 2
Short description of technological transfer and innovation results and their certification by implementation	<p><i>Quality standards of general education institutions and evaluation tools</i> establish the qualitative level of the institution, advance the optimization actions and efficiency of educational process, conditions of training, teachers' training, ensure the psychological comfort of the students.</p> <p><i>National models of integration of European values for the humanistic education</i> set directions, values, structures and components, which can be integrated to achieve the high efficiency of learning.</p> <p><i>Theoretical landmarks for disciplinary curriculum optimization</i> - new models of disciplinary curriculum was proposed for technological education, insured under the concept of IT promotion in school, curriculum development based on the principle of interdisciplinary and transdisciplinary optimization etc.</p> <p><i>The concept of integrated education – an act – framework of educational policy</i> is a goal of modern education, including educational requirements, main elements, and technology achievement for the development of a righteous personality.</p> <p><i>The Model of skills assessment Referential of specific competences developed for school children</i> presents different aspects of student skills assessment, criteria according to the proposed learning efficiency standard.</p> <p><i>Methodologies and tools for achieving psychological assistance in schools</i> reflect the most effective and efficient tools of psychological assistance in order to reduce the school failure.</p>				
Number of defended dr./dr. hab. theses per year	2011 1/0	2012 1/1	2013 5/1	2014 4/0	2015 4/0

VIII. Present/further involvement in the Horizon 2020 (FP7)

The perspective involvement of the institute in the Seventh Framework Programme will refer to the programmes of interest from the following divisions:

- Cooperation: Socio-Economic Sciences and the Humanities, and General Activity;
- People: Marie-Curie Actions;
- Ideas: ERC

-Capacities: Science in Society; Activities of International Cooperation; Research Potential; Regions of Knowledge, and Research for the benefit of SMEs.

IX. Accredited research field and its evaluation by the National Council for Accreditation and Attestation of the Republic of Moldova (very good/good/satisfactory)

Pedagogical and psychological bases of education – good

X. Category (A/B/C) attributed by the National Council for Accreditation and Attestation of the Republic of Moldova to the organization

An international competitive organization (category B)

XI. Institutional development actions planned for the next 5 years (maximum ½ page).

1. Establishing an agreement between the Institute of Education Sciences, Alecu Russo Balti State University and The Free International University of Moldova (ULIM) to open the post-graduation school in social psychology.
2. Purchasing of the unique apparatus for carrying out the research in psychology (hronovoleoptimograph).
3. Purchasing of the educational software necessary to carry out the pedagogical experiments.
4. Installing intranet for internal communication in IES.
5. Promoting digital literature for IES library.
6. Developing projects for young researchers (under 35 years old), institutional projects, scientific projects in the frame of various national and international programs.
7. Delegating young researchers to the national and international scientific training courses.
8. Increasing the number of scientific publications abroad.
9. Publication of at least 7 scientific papers per year in national journals of the category “B”.
10. Reaccreditation of *Univers Pedagogic* journal, in order to obtain the category "B".