



RESEARCH ACTIVITY

FINAL REPORT

REPORTING PERIOD 01.01.2017 – 30.04.2017

Contract No.	NFI/R/2014/053
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Title of the Project:

Latvian language in monolingual and bilingual acquisition: tools, theories and applications (LAMBA)

Submitted by Riga Teacher Training and Education Management Academy

In consortium with:

Agency of the University of Latvia „Institute of Mathematics and Computer Science
University of Latvia”(name of Partner No. 1)

University of Latvia, Faculty of Humanities (name of Partner No. 2)

UiT The Arctic University of Norway, Faculty of Humanities, Social Sciences and Education
(name of Partner No. 3)

University of Oslo, Department of Linguistics and Scandinavian Studies (name of Partner
No.4)

Type of research	<input checked="" type="checkbox"/> Basic <input checked="" type="checkbox"/> Applied
Thematic area	<input checked="" type="checkbox"/> Social sciences and humanities <input type="checkbox"/> Health
Sub-field	Philology H 004 H 590 Baltic and Slavonic languages and literatures H 350 Linguistics H 351 Phonetics, phonology H 352 Grammar, semantics, semiotics, syntax H 353 Lexicology H 360 Applied linguistics, foreign languages teaching, sociolinguistics H 380 Comparative linguistics H 595 Russian language and literature S 270 Pedagogy and didactics

II. Implementation progress

2.1. INDICATORS

Mandatory outcomes and outputs generated by the Project

Outcome 1: Increased research cooperation	<i>Outcome indicator:</i> Number of joint publications authored by project participants from both BS and DS (published or accepted for publication) (<u>REFERS TO 1.2. in Project Application</u>) Target total 11
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<p>between Norway and the Beneficiary State</p>	<p>Actual Interim Report 1:0 Actual Interim Report 2: 4 Actual Interim Report 3: 2 Actual Final Report: 8 ACTUAL TOTAL ALL REPORTS: 14</p> <p><i>Output 1: Institutional cooperation at the level of higher education and science between Latvia and Norway</i> <i>Output 1 indicator: Number of cooperating research institutions within the programme</i> Target total 5 Actual Interim Report 1: 5 Actual Interim Report 2: 5 Actual Interim Report 3: 5 Actual Final Report: 5 ACTUAL TOTAL ALL REPORTS: 5</p>
<p>Outcome 2: Strengthened research capacity in the Beneficiary State and increased application of research results through research cooperation between Norway and the Beneficiary State</p>	<p><i>Outcome indicator: Number of published international peer reviewed publications (REFERS TO 1.1. in Project Application)</i> Target total 10 Actual Interim Report 1:0 Actual Interim Report 2: 18 (4 publications transferred to 1.3. output from 23 in IR2); (1 publication transferred to 1.2. output from 19 in IR2) Actual Interim Report 3: 0 (2 publications transferred to 1.2. output from 2 in IR3) Actual Final Report 4:0 ACTUAL TOTAL ALL REPORTS 18</p> <p><i>Output 1: Increased application and dissemination of research results internationally</i> <i>Output 1 indicator: Number of international publications in preparation</i> Target total 5 Actual Interim Report 1:5 Actual Interim Report 2:5 Actual Interim Report 3: 5 Actual Final Report: 2 ACTUAL TOTAL ALL REPORTS : 2</p> <p><i>Output 2: Increased training of early stage researchers</i> <i>Output 2 indicators:</i> 2.1.Number of PhD students and postdocs trained within the projects Target total_0_ Actual Interim Report 1:0 Actual Interim Report 2: 0 Actual Interim Report 3: 3 Actual Final Report 0 ACTUAL TOTAL ALL REPORTS 3 2.2.Percentage of female PhD students and postdocs trained within the projects Target total 50% Actual Interim Report 1:0 Actual Interim Report 2:0 Actual Interim Report 3: 100% Actual Final Report 0 ACTUAL TOTAL ALL REPORTS 100%</p> <p><i>Output 3: Number of scientific publications (published or approved publication) (REFERS TO 1.3. in Project Application)</i> <i>Output 3 indicator: Number of scientific publications:</i> Target total 18 Actual Interim Report 1:0</p>

	<p>Actual Interim Report 2: 4 (3 publications transferred to 1.2. output from 7 in IR2)</p> <p>Actual Interim Report 3: 6</p> <p>Actual Final Report 4: 11</p> <p>ACTUAL TOTAL ALL REPORTS _21</p>
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Optional project outcomes and outputs

<p>Outcome 2: Increased efficiency of early language assessment in Latvian children and improved capacity for early detection of language delays.</p>	<p>Output 2.1: Tool for assessing grammatical and lexical acquisition.</p> <p>Output 2.1 indicator: Latvian adaptation of CDI WG and CDI WS, complete with developmental norms and a user manual</p> <p>Target total: _1_</p> <p>Actual Interim Report 1: _0</p> <p>Actual Interim Report 2: 0</p> <p>Actual Interim Report 3: 0.</p> <p>Actual Final Report 1</p> <p>ACTUAL TOTAL ALL REPORTS 1</p>
	<p>Output 2.2: Tool for assessing phonemic acquisition.</p> <p>Output 2.2 indicator: Phonemic accuracy test for Latvian and Russian, complete with developmental norms and a user manual.</p> <p>Target total: _1_</p> <p>Actual Interim Report 1: _0</p> <p>Actual Interim Report 2:_0</p> <p>Actual Interim Report 3: 1</p> <p>Actual Final Report 0</p> <p>ACTUAL TOTAL ALL REPORTS 1</p>
<p>Outcome 3: Increased sustainability of high-quality research through creation of new extensive data resources.</p>	<p>Output 3.1: Longitudinal corpus of child speech</p> <p>Output 3.1 indicator: Collected, transcribed and annotated longitudinal corpus of monolingual and bilingual Latvian child speech.</p> <p>Target total: _4_</p> <p>Actual Interim Report 1: _0</p> <p>Actual Interim Report 2:_0</p> <p>Actual Interim Report 3: 0</p> <p>Actual Final Report 4</p> <p>ACTUAL TOTAL ALL REPORTS 4</p>
	<p>Output 3.2: Normative datasets of lexical, grammatical and phonemic development</p> <p>Output 3.2 indicator: Collected and publicized normative datasets of lexical, grammatical and phonemic development.</p> <p>Target total: _3_</p> <p>Actual Interim Report 1: _0</p> <p>Actual Interim Report 2:_0</p> <p>Actual Interim Report 3: 0</p> <p>Actual Final Report 3</p> <p>ACTUAL TOTAL ALL REPORTS 3</p>
	<p>Output 3.3: Datasets with cross-sectional experimental data</p> <p>Output 3.3 indicator: Collected and publicized datasets with cross-sectional experimental data</p> <p>Target total: _2_</p> <p>Actual Interim Report 1: _0_</p> <p>Actual Interim Report 2:_0</p> <p>Actual Interim Report 3: 0</p> <p>Actual Final Report: 2</p> <p>ACTUAL TOTAL ALL REPORTS: 2</p>

Outcome 4: Promotion of gender-equality in academia through increased involvement of female researchers into research activities, including leading research positions;	<p>Output 4.1: Involvement of female researchers in the project.</p> <p>Output 4.1 indicator: Number of female researchers involved in the project</p> <p>Target total: _21_</p> <p>Actual Interim Report 1: _16_</p> <p>Actual Interim Report 2: _21_</p> <p>Actual Interim Report 3: 21</p> <p>Actual Final Report 21</p> <p>ACTUAL TOTAL ALL REPORTS 21</p>
	<p>Output 4.2: Involvement of female researchers in leading research positions within the project.</p> <p>Output 4.2 indicator: Number of female researchers involved in leading research positions in the project.</p> <p>Target total: _4_</p> <p>Actual Interim Report 1: _4_</p> <p>Actual Interim Report 2: _4_</p> <p>Actual Interim Report 3: 4</p> <p>Actual Final Report 4</p>

2.2. DESCRIPTION OF PROJECT ACTIVITIES

Work package No. 1 Latvian adaptation and norming of parental report tools for the assessment of early communicative development

Progress reached so far in %: **100** (*Please assess the overall progress of the Work package up to date in %*)

Description(*work performed during the reporting period*): In the final reporting period, we have finished the analysis of the results obtained in the normative study of CDI I and CDI II. Based on the statistical analysis of the data, communicative development norms were created for children aged 8-16 months (CDI WG) and 17–36 months (CDI WS). We have written a detailed handbook for the parents and practitioners with the instructions on how to administer and score CDI, and how to interpret the results. The handbook and CDI I and CDI II forms are available for download from www.lamba.lv. Full normative dataset of the CDI vocabulary section has been submitted to the international database CDI Wordbank (wordbank.stanford.edu).

For dissemination, please see Section 2.5.: [5]; [6], for publications, please refer to 2.7: [40], [42], [43], [44].

For articles submitted after April 30, please see 2.12: [1]

Resources:

Key expert: (*indicate name and surname*) **Hanne Gram Simonsen – University of Oslo**

Other experts involved:

RTTEMA: Anna Vulāne, Viktorija Kuzina, Agrita Tauriņa, Tija Zīriņa.

IMCS: Roberts Darģis

UiT The Arctic University of Norway: Olga Urek

Equipment: office equipment

Consumables and supplies: office consumables and supplies

Other: OCMA will be subcontracted to select and contact CDI participants;

Output 1.1.: value: 6 no 3 month: 26

Output 1.2.: value: 2 no 3 month: 26

Output 1.3.: value: 4 month: 26

Output 2.2.: value: 0 month: 0

Output 3.3.: value: 0 month: 0
 Output 4.1.: value: 7 month: 26
 Output 4.2.: value: 1 month: 26

Work package No. 2: Norm-referenced production accuracy tests for Latvian children

Progress reached so far in %: **100** (*Please assess the overall progress of the Work package up to date in %*)

Description (*work performed during the reporting period*): Analyses of the results is finished and published or accepted for publication in the last articles “The new module in the study course “Children philosophy and language” (Dace Markus, Olga Ureka, Tija Zīriņa), “The survey of bilingual children’s speech: the research by Velta Rūķe-Draviņa and the results of the project „Latvian language in monolingual and bilingual acquisition: tools, theories and applications” (Zenta Anspoka, Inga Stangaine), “Acquisition of consonants and consonant clusters by Latvian children: comparison of pilot and normative study results” (Dace Markus, Solveiga Čeirane, Ilze Auziņa, Olga Ureka, Martins Kremers), “The assessment tools of Latvian phoneme pronunciation: the aspect of linguistic and speech therapy”(Dace Markus, Baiba Trinīte), “From Velta Rūķe-Draviņa to the project“ Latvian language in monolingual and bilingual acquisition: tools, theories and applications”(Dace Markus, Anna Vulāne), “Articulation accuracy in monolingual Latvian-speaking preschoolers: results of a large-scale population study” (Olga Urek, Roberts Dargis, Dace Markus). Important dissemination in “International project LAMBA” (Dace Markus, Tija Zīriņa) accessible through <http://library.iated.org/view/MARKUS2017INT>, pp.4355–4360).

Section 2.5.: [3], [4], [9], for publications, please refer to 2.7: [35], [38], [39], [41], [47]

Key expert: Dace Markus, Anna Vulāne – RTTEMA

Other experts involved: Solveiga Čeirane, Inese Freiberga, Inga Stangaine, Vadislava Uršulška, Rasma Purmale, Tija Zīriņa, Anna Vulāne, Agrita Tauriņa-RTTEMA;

Martin Krämer – UiT The Arctic University of Norway

Equipment: Office equipment

Other: (if applicable):

Output 1.1.: value: 10 no 2 month: 26
 Output 1.2.: value: 2 no 3 month: 26
 Output 1.3.: value: 4 month: 26
 Output 2.2.: value: 0 month: 0
 Output 3.3.: value: 0 month: 0
 Output 4.1.: value: 10 month: 26
 Output 4.2.: value: 1 month: 26

Work package No. 3: Annotated longitudinal corpus of Latvian child language

Progress reached so far in %: **100** (*Please assess the overall progress of the WP up to date in %*)

Description (*work performed during the reporting period*):

In case of any derogations from the scheduled provisions, including the time schedule, please provide an explanation.

Longitudinal corpora of four children have been recorded and transcribed.

During the third phase the collection of longitudinal corpora of monolingual (Latvian speaking) and bilingual (Russian and Latvian speaking) children’s speech was finished:

- Long-term (carried out for 18 months since April 2015 till the end of September 2016) speech recordings of 4 children aged 17 to 44 months;
- The age of children at the beginning of data collection: the youngest participant was 17 months old, but the oldest was 27 months old;
- The data were collected using speech recording device and correspond to child-adult interaction in a naturalistic setting: children's speech is recorded at their home or other familiar environments interacting with their family (most often their mother);
- About 134 hours of recordings had been collected and partially transcribed.
- Audio recordings and transcriptions are linked and synchronized.

The dataset have been converted in CHAT (Codes for the Human Analysis of Transcripts) format, which is the standard transcription system utilized in Child Language Data Exchange System (CHILDES; MacWhinney 2000).

Orthographically transcribed data are morphologically annotated. To search in the morphologically and orthographically annotated data, the search interface was developed. It is now being tested and improved.

The studies based on corpus data have been done.

Section 2.5.: [7], [10], for publications, please refer to 2.7: [46], [49], [50], [52]

Key expert: Ilze Auziņa (IMCS)

Other experts involved:

Roberts Dargis (IMCS)

Antonio Fabregas (UiT The Arctic University of Norway)

Baiba Valkovska (IMCS) (since June 2016, till the end of November 2016)

Equipment: (if applicable) portable recording equipment, office equipment

Other: (if applicable)

Output 1.1.: value: 2 month: 26

Output 1.2.: value: 2 month: 26

Output 1.3.: value: 5 month: 26

Output 3.3.: value: 0 month: 26

Output 4.1.: value: 3 month: 26

Output 4.2.: value: 1 month: 26

Work package No. 4 *Experimental study of grammatical and (morpho)phonological acquisition by monolingual and bilingual learners of Latvian*

Progress reached so far in %: 100 (Please assess the overall progress of the Work package up to date in %)

Description (work performed during the reporting period):

In case of any derogations from the scheduled provisions, including the time schedule, please provide an explanation.

The follow-up experiment using a different methodology have been conducted as part of the experimental study investigating the acquisition of definiteness category in Latvian by monolinguals and bilinguals; the results were transcribed, coded and analysed. The results of both sets of definiteness experiments have been presented in the article “**Acquisition of definiteness marking in Latvian: evidence from monolinguals and bilinguals**” (Olga Urek, Agrita Tauriņa, Marit Westergaard and Anna Vulāne) and “**Adjectival definiteness marking in the speech of Latvian children: experimental study**” (Agrita Tauriņa, Salvinija Jegelevičiene and Olga Urek). Both articles were accepted for publication. Experimental datasets have been submitted to Tromsø Repository of Language and Linguistics (TROLLing). The quantitative, qualitative and theoretical analysis for the article dealing with cluster resolution in Latvian children has been completed, and presented in the article “**Word-initial consonant clusters in Latvian child language: variation, sonority and grammar stratification**” (Martin Krämer, Olga Urek, Dace Markus) (working title “Cluster simplification strategies in monolingual Latvian children”), which has been submitted to *Glossa: a journal of general linguistics*. In addition, an article “**The features of High Latvian dialect in the speech of Latvian children**” (Lidija Leikuma, Dace Markus) is published. and quantitative and qualitative results of the adjectival gender agreement study (Latvian monolinguals, Russian monolinguals, Latvian-Russian bilinguals) have been presented in the article “**Acquisition of adjectival gender agreement in monolinguals and bilinguals: evidence from Latvian and Russian**” (Olga Urek, Marit Westergaard and Agrita Tauriņa) that has been submitted to the Journal of Linguistic Approaches to Bilingualism.

For dissemination, please see Section 2.5.: [1], [2], [8], for publications, please refer to 2.7: [36], [37], [45], [48], [51], [52], [53]

For articles submitted after April 30, please see 2.12: [2]

3	Annotated longitudinal corpus of Latvian child language										X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
4	Experimental study of grammatical and (morpho)phonological acquisition by monolingual and bilingual learners of Latvian										X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

2.5. DISSEMINATION ACTIVITIES of RESEARCH RESULTS

No	Activity	Description (topic, aim, communication tools)	Target groups	Time-frame	Venue	Organiser	Partners/parties involved	Contact person	Assessment of the activities
1.	Seminar Talk	Martin Kramer, Olga Urek "Children's realisations of Latvian word-initial consonant clusters: Sonority Sequencing, representational limits, and constraint reranking"	Specialized academic audience	10.03.2017	LAVA Lunch Seminar, Tromso, Norway	UiT The Arctic University of Norway	UiT The Arctic University of Norway	Olga Urek	Increased dissemination and visibility of project results, valuable comments on ongoing work
2.	Conference poster	Urek, Olga, Marit Westergaard & Agrita Tauriņa "Acquisition of grammatical gender in Latvian-Russian bilinguals"	Specialized international academic audience	11.06.2017 – 15.06.2017	International Symposium on Bilingualism (ISB 11)	University of Limerick, Ireland	UiT, RPIVA	Olga Urek	Increased dissemination and visibility of the project results
3.	Conference talk	Dace Markus. Latviešu bērnu valodas pētījumu vēsture 1963–2009 [The history of Latvian child language 1963–2009]	Specialized international academic audience	January 25-26, 2017	Starptautiskā zinātniskā konference "Daudzveidīgā latviešu valoda: no bērna runas līdz literāram tekstam, kas veltīta Veltas Rūķes-Draviņas simtgadei" [International Scientific Conference "Multiplicity of Latvian Language: from Child's Speech to Literary Text", to commemorate the 100th anniversary of Velta Rūķe-Draviņa]	Riga, Latvia	RTTEMA, LU MII, HZF	Ilga Jansone, Anna Vulāne, Venta Kocere	60
4.	Conference talk	Anna Vulāne. Bērnu valodas izpēte Latvijā: 2009–2016 [The Survey of Children's Language in Latvia: 2009–2016]	Specialized international academic audience	January 25-26, 2017	Starptautiskā zinātniskā konference "Daudzveidīgā latviešu valoda: no bērna runas līdz literāram tekstam, kas veltīta Veltas Rūķes-Draviņas simtgadei"	Riga, Latvia	RTTEMA, LU MII, HZF	Ilga Jansone, Anna Vulāne, Venta Kocere	60

					[International Scientific Conference “Multiplicity of Latvian Language: from Child’s Speech to Literary Text”, to commemorate the 100th anniversary of Velta Rūķe-Draviņa]]				
5.	Conference talk	Agrita Tauriņa. Pedagogu un vecāku sadarbība bērna vārdu krājuma attīstības sekmēšanai [Cooperation between teachers and parents in improving child vocabulary development]	Specialized international academic audience	January 25-26, 2017	Starptautiskā zinātniskā konference “Daudzveidīgā latviešu valoda: no bērna runas līdz literāram tekstam, kas veltīta Veltas Rūķe-Draviņas simtgadei” [International Scientific Conference “Multiplicity of Latvian Language: from Child’s Speech to Literary Text”, to commemorate the 100th anniversary of Velta Rūķe-Draviņa]	Rīga, Latvia	RTTEMA, LU MII, HZF	Ilga Jansone, Anna Vulāne, Venta Kocere	60
6.	Conference talk	Tija Zīriņa. Digitālās tehnoloģijas un bērna valodas attīstība [Digital technologies and the development of child language]	Specialized international academic audience	January 25-26, 2017	Starptautiskā zinātniskā konference “Daudzveidīgā latviešu valoda: no bērna runas līdz literāram tekstam, kas veltīta Veltas Rūķe-Draviņas simtgadei” [International Scientific Conference “Multiplicity of Latvian Language: from Child’s Speech to Literary Text”, to commemorate the 100th anniversary of Velta Rūķe-Draviņa]	Rīga, Latvia	RTTEMA, LU MII, HZF	Ilga Jansone, Anna Vulāne, Venta Kocere	60

7.	Conference talk	Ilze Auziņa, Kristīne Levāne-Petrova, Baiba Saulīte, Artūrs Znotiņš, Roberts Darģis. Meklēšana ortogrāfiski un morfoloģiski marķētā bērnu runas korpusā [Searching in the <i>Annotated Longitudinal Latvian Children's Speech Corpus</i>]	Specialized international academic audience	January 25-26, 2017	Starptautiskā zinātniskā konference “Daudzveidīgā latviešu valoda: no bērna runas līdz literāram tekstam, kas veltīta Veltas Rūķes-Draviņas simtgadei” [International Scientific Conference “Multiplicity of Latvian Language: from Child's Speech to Literary Text”, to commemorate the 100th anniversary of Velta Rūķe-Draviņa]	Rīga, Latvia	RTTEMA, LU MII, HZF	Ilga Jansone, Anna Vulāne, Venta Kocere	60
8.	Conference talk	Olga Urek, Marit Westergaard, Agrita Tauriņa, Anna Vulāne Noteiktības kategorijas lietojums pirmsskolas vecuma bērnu runā. [Definiteness category in the speech of Latvian pre-schoolers]	Specialized international academic audience and students	February 22-23, 2017	Jāņa Endzelīna 144. dzimšanas dienas atceres starptautiskā zinātniskā konference VĀRDS UN TEKSTS	Rīga, Latvia	RTTEMA, LU MII, HZF	Ilga Jansone, Anna Vulāne	30
9.	Conference talk	Tija Zīriņa, Dace Markus “International project LAMBA” http://library.iated.org/view/MARKUS2017INT , pp. 4355 – 4360	Specialized international academic audience.	March 06.-08. 2017	The 11th International Technology, Education and Development Conference INTED 2017	Valencia, Spain	RTTEMA	Tija Zīriņa	Increasing 11th International dissemination and visibility of the project results. Number of participants — 642
10.	Conference talk	Ilze Auziņa, Roberts Darģis. Fonēmu producēšanas testu rezultāti bērnu runā [The results of articulation accuracy test]	Specialized international academic audience; practitioners in relevant fields; students.	February 16, 2017	The 75th Scientific Conference of University of Latvia, Section of Computational Linguistics	University of Latvia, Rīga	IMCS	Inguna Skadiņa, Normunds Grūzītis, Ilze Auziņa	Increasing dissemination and visibility of the project results. Number of participants — 45.

2.6. PUBLICITY MEASURES

No	Activity	Description (topic, aim, communication tools)	Target groups	Date and place	Organiser	Partners/parties involved	Contact person	Assessment of the activities
1.	Dedicated project website	Increasing the visibility of the project; providing the general information and the regular updates to the national and international academic communities, media and general public. The project website is available in English and in Latvian.	General public, academia	www.lamba.lv (on-going)	IMCS, RTTEMA; UiT	IMCS, RTTEMA; UiT	Līga Kobičeva, Ilze Auziņa, Roberts Dargis, Olga Urek	Website audience and related statistics are monitored with Google Analytics tool; as of now, the site has generated 1892 page views, by 127 unique visitors from 10 countries.
2.	LAMBA Facebook page	Increasing the visibility of the project through social media, facilitating the two-way exchange with target audience and prospective collaborators; General information regarding the Project, Project activities and hyperlink to Project website.	General public, professional contacts, scientists, educators, education leaders	Facebook (on-going) https://www.facebook.com/LAMBA-1648846005365340/?ref=br_rs	RTTEMA	IMCS, RTTEMA, LU, UiT	Līga Kobičeva, Olga Urek	Facebook page has generated a number of likes and shares; more targeted effort should be undertaken to increase the popularity of the page.
5.	Information on website	Project-related information of special interest is published in press-releases and posted website http://rpiva.lv	Academic community, general public	Regularly during the time of the project	RTTEMA	RTTEMA	Līga Kobičeva	Website audience
7.	Information on website	Project-related information of special interest is published in press-releases and posted website	Academic community, general public	regularly during the time of the project	IMCS	IMCS	Ilze Auziņa	Website audience

		http://lumii.lv/resource/show/790						
8.	Information in the 4 th Speech Therapists Conference of Baltic States	Increasing the information how the project LAMBA results help in language acquisition.	Speech therapists from Baltic states.	Riga, Jelgava`s -1, 24-25.02. 2017.	Speech Therapists` Association of Latvia	-	Dace Markus	NA
9.	Analysis and information about the results of project LAMBA	Final meeting of the project increasing the information how the project LAMBA results help in monolingual and bilingual language acquisition in Latvia	Project group, pre-school specialists, journalists	Riga, kindergarten "Austriņa" 26.04. 2017	Project group	RTTEMA, UiT, LU HZF, LU MII, pre-school specialists	Līga Kobitjeva, Agrita Tauriņa	NA
10.	Information about the results of project LAMBA	An article "Pabeigts pirmreizējs bērnu valodas pētījums" [The first large-scale investigation of Latvian child language is completed]	Specialists in education and general public	Newspaper "Izglītība un kultūra" 2017, 11.05. p.11.	Project group	RTTEMA, UiT, LU HZF, LU MII, pre-school specialists	Anna Vulāne, Dace Markus, Roberts Dargis, Ilze Auziņa, Martins Kremers	NA
11.	Information about the results of project LAMBA	An article "Finišē projekts LAMBA" [The project LAMBA is finishing]	General public	Newspaper "Diena" 2017, 26.04. p.5.	Project group	RTTEMA, UiT, LU HZF, LU MII, pre-school specialists	Anna Vulāne, Dace Markus, Ilze Auziņa, Martins Kremers	NA

2.7. SCIENTIFIC PUBLICATIONS

No	Title	Authors	Name of journal	Citation index	Submitted/ Accepted/ Published	Link (if relevant)
1.	Latviešu valodas testu apguves fonoloģiskā bāze.	Markus Dace, Čeirane Solveiga,	<i>Linguistica Lettica</i> , 2016, Vol. 24, 173-185	<i>Copernicus</i> .	Published	Publication is in LV with summary in EN accessible through the link

	[Phonological basis of Latvian language acquisition tests]	Ureka Olga, Kremers Martins		1.2.		http://www.lulavi.lv/media/upload/tiny/files/LL24_sakums%20satur.pdf
2.	Latviešu monolingvālu bērnu līdzskaņu savienojumu vienkāršošanas paņēmieni 3–5 gadu vecumā. [Cluster reduction strategies in monolingual Latvian-speaking children aged 3 to 5 years]	Markus Dace, Ureka Olga	<i>VALODA - 2016. Valoda dažādu kultūru kontekstā. XXVI Zinātnisko rakstu krājums. Atb. red. S. Polkovņikova. Daugavpils: Daugavpils Universitātes Akadēmiskais apgāds „Saule”, 138–145.</i>	<i>EBSCO</i> 1.2.	Published	Publication is in LV with summary in EN accessible through the link https://du.lv/wp-content/uploads/2015/12/Valoda_2016_Drukata.pdf
3.	Radniecības termini latviešu valodā: daži bērnu spontānās runas un MakArtura-Beitas Komunikatīvās attīstības testa dati. [Signs of kinship in Latvian language: some data of spontaneous speech of children and of the MacArthur-Bates Communicative Development test]	Vulāne Anna	Proceedings of the international conference „Проблемы онтолингвистики – 2016” [Problems of Ontholinguistics], Sanktpetersburg, Russia [Проблемы онтолингвистики - 2016. Материалы ежегодной международной научной конференции, 2016, Санкт-Петербург / РГПУ им. А. И. Герцена, Кафедра языкового и литературного образования ребенка, Лаборатория детской речи; редкол.: Т. А. Круглякова, М. А. Еливанова. Иваново: ЛИСТОС, 2016, с. 44-51]	Российский индекс научного цитирования 1.3.	Published	Publication is in RU without summary in EN accessible through the link http://ej.uz/3_publication_Vulane_RU
4.	Latvian adaptation of MCARTHUR-BATES communicative development inventories	Vulāne Anna, Markus Dace, Ureka Olga	SOCIETY, INTEGRATION, EDUCATION – Proceedings of the International Scientific Conference . Vol. II, May 27 th – 28 th 2016. Rezekne: Rezeknes Academy of Technologies, 487–499.	<i>Thomson Reuters Web of Knowledge ISI Conference Proceedings data base, Web of Science</i> 1.2.	Published	Publication is in EN accessible through the link http://journals.ru.lv/index.php/SIE/issue/viewIssue/39/182
5.	Perfection of pre-school child’s speech of dialogue and vocabulary during the	Tauriņa Agrita, Vigule Dagnija	SOCIETY, INTEGRATION, EDUCATION . Proceedings of	<i>Thomson Reuters Web of Knowledge ISI Conference</i>	Published	Publication is in EN accessible through the link

	process of getting acquainted with book illustration.		the International Scientific Conference . Vol. II, May 27 th - 28 th 2016. Rezekne: Rezeknes Academy of Technologies, 459–468.	<i>Proceedings data base, Web of Science</i> 1.1.		http://journals.ru.lv/index.php/SIE/issue/viewIssue/39/182
6.	Factors Influencing the Child Language Development	Kuzina Viktorija	SOCIETY, INTEGRATION, EDUCATION. Proceedings of the International Scientific Conference . Vol. II, May 27 th –28 th 2016. Rezekne: Rezeknes Academy of Technologies, 404–415.	<i>Thomson Reuters Web of Knowledge ISI Conference Proceedings data base, Web of Science</i> 1.1.	Published	Publication is in EN accessible through the link http://journals.ru.lv/index.php/SIE/issue/viewIssue/39/182
7.	Developing an Inclusive Society Promoting Minority Bilingualism in Pre-school Education in Latvia.	Markus Dace, Zirina Tija	Proceedings of ICERI2015 Conference 16–18 November 2015, Seville, Spain, p. 8501-8508. ISBN: 978 -8-608-2657–6	<i>Web of Science</i> 1.1.	Published	Publication is in EN accessible through the link http://library.iated.org/view/MARKUS2015DEV
8.	Latviski runājošu bērnu valodas sistēmas izpratne [Latvian speaking children: understanding of the linguistic system].	Markus Dace	Internationally refereed scientific periodical "Children language in Latvia in the 21st century" II, RaKa, 2016, 9-20. Starptautiski anonīmi recenzēts zinātnisko rakstu krājums "Bērnu valoda Latvijā 21. gadsimtā" II, RaKa, 2016, 9–20.	1.1.	Published	Publication is in LV with summary in EN accessible through the link http://bit.ly/2tXPbCI ; http://www.lamba.lv/index.php/lv/jaunumi ; http://www.rpiva.lv/lamba
9.	Aptaujas metodes izmantojums bērna vārdu krājuma izziņāšanā [Survey as an evaluation technique of the development of child`s vocabulary].	Vulāne Anna, Tauriņa Agrita, Zīriņa Tija	Internationally refereed scientific periodical "Children language in Latvia in the 21st century" II, RaKa, 2016, 21–42.	1.1.	Published	Publication is in LV with summary in EN accessible through the link http://bit.ly/2tXPbCI ; http://www.lamba.lv/index.php/lv/jaunumi ; http://www.rpiva.lv/lamba
10.	Bērnu runas korpusa ortogrāfiskās marķēšanas principi [The orthographic annotation of the Latvian children`s speech corpus].	Auziņa Ilze, Rābante-Buša Guna, Dargis Roberts	Internationally refereed scientific periodical "Children language in Latvia in the 21st century" II, RaKa, 2016, 43-54.	1.1.	Published	Publication is in LV with summary in EN accessible through the link http://bit.ly/2tXPbCI ; http://www.lamba.lv/index.php/lv/jaunumi ; http://www.rpiva.lv/lamba

11.	Pirmsskolas vecuma bērna skaņu izrunas un vārdu krājuma noteikšanas un pilnveides paņēmieni [Techniques to establish and develop pronunciation and vocabulary in pre-school aged children].	Tauriņa Agrita	Internationally refereed scientific periodical "Children language in Latvia in the 21st century" II, RaKa, 2016, 55–74.	1.1.	Published	Publication is in LV with summary in EN accessible through the link http://bit.ly/2tXPbCl ; http://www.lamba.lv/index.php/lv/ja/unumi ; http://www.rpiva.lv/lamba
12.	Dialekta ietekme vai tomēr izrunas grūtības? [Dialectal particularities or pronunciation difficulties?]	Leikuma Lidija, Markus Dace, Evija Usāne	Internationally refereed scientific periodical "Children language in Latvia in the 21st century" II, RaKa, 2016, 75–86.	1.1.	Published	Publication is in LV with summary in EN accessible through the link http://bit.ly/2tXPbCl ; http://www.lamba.lv/index.php/lv/ja/unumi ; http://www.rpiva.lv/lamba
13.	Valodas vides nozīme pirmsskolas vecuma rusofono bērnu vārdu krājuma apgūvē: leksiski fonoloģiskais aspekts [The importance of linguistic environment on the development of pre-school Russophone children vocabulary: lexical and phonological aspects].	Ingēra Tomme-Jukēvica, Anna Vulāne	Internationally refereed scientific periodical "Children language in Latvia in the 21st century" II, RaKa, 2016, 87–106.	1.1.	Published	Publication is in LV with summary in EN accessible through the link http://bit.ly/2tXPbCl ; http://www.lamba.lv/index.php/lv/ja/unumi ; http://www.rpiva.lv/lamba
14.	Divvalodīga bērna ieguvumi: teorija un prakse [Bilingual advantage in children: theory and practice].	Zenta Anspoka, Inga Stangaine	Internationally refereed scientific periodical "Children language in Latvia in the 21st century" II, RaKa, 2016, 107–118.	1.1.	Published	Publication is in LV with summary in EN accessible through the link http://bit.ly/2tXPbCl ; http://www.lamba.lv/index.php/lv/ja/unumi ; http://www.rpiva.lv/lamba
15.	Mazākumtautību pirmsskolas vecuma bērnu iespējas apgūt latviešu valodu [Opportunities to learn Latvian as a second language for minority pre-school children].	Vladislava Uršuļska, Inese Eglīte	Internationally refereed scientific periodical "Children language in Latvia in the 21st century" II, RaKa, 2016, 118–130.	1.1.	Published	Publication is in LV with summary in EN accessible through the link http://bit.ly/2tXPbCl ; http://www.lamba.lv/index.php/lv/ja/unumi ; http://www.rpiva.lv/lamba

16.	Dzimtās valodas apguve 3. dzīves gadā lingvistiskā un pedagoģiskā skatījumā [First language acquisition at the age of 3: Linguistic and pedagogical aspects].	Inese Freiberga	Internationally refereed scientific periodical "Children language in Latvia in the 21st century" II, RaKa, 2016, 131–150.	1.1.	Published	Publication is in LV with summary in EN accessible through the link http://bit.ly/2tXPbCl ; http://www.lamba.lv/index.php/lv/jaunumi ; http://www.rpiva.lv/lamba
17.	Bērnu runas attīstību stimulējošie faktori [Stimulating factors of child speech development].	Viktorija Kuzina	Internationally refereed scientific periodical "Children language in Latvia in the 21st century" II, RaKa, 2016, 151–162.	1.1.	Published	Publication is in LV with summary in EN accessible through the link http://bit.ly/2tXPbCl ; http://www.lamba.lv/index.php/lv/jaunumi ; http://www.rpiva.lv/lamba
18.	Bērna radošuma izpausme valodā [Expression of creativity in child language].	Vladislava Uršuļska, Rasma Purmale	Internationally refereed scientific periodical "Children language in Latvia in the 21st century" II, RaKa, 2016, 163–174.	1.1.	Published	Publication is in LV with summary in EN accessible through the link http://bit.ly/2tXPbCl ; http://www.lamba.lv/index.php/lv/jaunumi ; http://www.rpiva.lv/lamba
19.	Onomatopoētismi jaunākajā latviešu bērnu literatūrā un bērnu runā [Onomatopoeia in recent Latvian child literature and child speech].	Lidija Leikuma, Liene Kalviša	Internationally refereed scientific periodical "Children language in Latvia in the 21st century" II, RaKa, 2016, 211–238.	1.1.	Published	Publication is in LV with summary in EN accessible through the link http://bit.ly/2tXPbCl ; http://www.lamba.lv/index.php/lv/jaunumi ; http://www.rpiva.lv/lamba
20.	Bērnu komunikācijas prasme [Communicative skills in children].	Dace Markus, Tija Zīriņa	Internationally refereed scientific periodical "Children language in Latvia in the 21st century" II, RaKa, 2016, 198–210.	1.1.	Published	Publication is in LV with summary in EN accessible through the link http://bit.ly/2tXPbCl ; http://www.lamba.lv/index.php/lv/jaunumi ; http://www.rpiva.lv/lamba

21.	Pirmsskolas vecuma bērna valodas apguves nozīme komunikācijā [The importance of pre-school children language acquisition on communication].	Inga Stangaine	Internationally refereed scientific periodical "Children language in Latvia in the 21st century" II, RaKa, 2016, 175–198.	1.1.	Published	Publication is in LV with summary in EN accessible through the link http://bit.ly/2tXPbCI ; http://www.lamba.lv/index.php/lv/jaunumi ; http://www.rpiva.lv/lamba
22.	What Latvian tells us about strong PCC effects	Fabregas, A. Urek, O., Auziņa I.	IBERIA: An International Journal of Theoretical Linguistics	1.2.	Accepted	Publication in EN, accepted for publication on 06.02.2017
23.	Divskaņu komponenti bērnu un pieaugušo uztverē. [Component of diphthongs in children's and adult perception].	Čeirane Solveiga	<i>VALODA - 2016. Valoda dažādu kultūru kontekstā. XXVI Zinātnisko rakstu krājums.</i> Atb.red. S. Polkovņikova. Daugavpils: Daugavpils Universitātes Akadēmiskais apgāds „Saule”, 117–124.	EBSCO 1.3.	Published	Publication is in LV with summary in EN, accessible through the link https://du.lv/wp-content/uploads/2015/12/Valoda_2016_Drukata.pdf
24.	Aligning Terms in the Field of Child Language Acquisition in English and Latvian	Dace Markus, Anna Vulāne, Larisa Iljnska, Marina Platonova	<i>Procedia - Social and Behavioral Sciences.</i> Volume 231, Pages 1-286 (5 October 2016) International Conference; Meaning in Translation: Illusion of Precision, MTIP2016, 11-13 May 2016, Riga, Latvia. Edited by Marina Platonova and Larisa Iljnska, 53–60.	Science Direct un Web of Science CPCI 1.1.	Published	Publication is in EN, accessible through the link http://www.sciencedirect.com/science/article/pii/S187704281631182X
25.	Ceļā uz līdzskaņu fonēmu izrunas testa izveidi bērniem. [Towards the Creation of a Consonant Phoneme Pronunciation Test for Children].	Markus, D., Čeirane, S.	<i>VALODA - 2016. Valoda dažādu kultūru kontekstā. XXVI Zinātnisko rakstu krājums.</i> Atb. red. S. Polkovņikova. Daugavpils: Daugavpils Universitātes Akadēmiskais apgāds „Saule”, 132–137.	EBSCO 1.3.	Published	Publication is in LV with summary in EN accessible through the link https://du.lv/wp-content/uploads/2015/12/Valoda_2016_Drukata.pdf
26.	Novitātes pirmsskolas vecuma bērnu valodas attīstības izpētē Latvijā [Novelties in the Research of Preschool Age Childrens Latvian Language Development].	Vulāne A.	<i>VALODA - 2016. Valoda dažādu kultūru kontekstā. XXVI Zinātnisko rakstu krājums.</i> Atb. red. S. Polkovņikova. Daugavpils: Daugavpils	EBSCO 1.3.	Published	Publication is in LV with summary in EN accessible through the link https://du.lv/wp-content/uploads/2015/12/Valoda_2016_Drukata.pdf

			Universitātes Akadēmiskais apgāds „Saule”, 151–156.			
27.	Vecāku aptaujas nozīme bērnu valodas pētījumos. [The role of parental surveys in the research on children's language]	Vulāne A., Markus D., Ureka O.	Internationally refereed periodical issue “Vārds un tā pētīšanas aspekti”. Vol. 21. Liepāja: Liepāja University.	1.2.	Accepted	Publication is in LV with summary in EN, not accessible through link http://www.lamba.lv/index.php/lv/jaunumi ; http://www.rpiva.lv/lamba
28.	The analysis of intonation of young children: Corpus-based study.	Auziņa. I., Buša-Rābante, G.	Contemporary research in phonetics and phonology: methods, aspects and problems. 3rd International Scientific Conference. Abstracts. Riga, 2016	1.3.	Published (e-publication)	Publication is in EN accessible through the link (pdf) http://www.lulavi.lv/media/upload/tiny/files/CRiPaP_2016_abstracts.pdf p.5.
29.	Pirmsskolas vecuma bērna dialogrunas sekmēšana problēmsituāciju risināšanā un grāmatu ilustrāciju aplūkošanas procesā. [Promoting a dialogue speech in problem solving and in process of viewing the illustrations in books for preschoolers]	Tauriņa Agrita, Eņģele Zane	9th International Scientific Conference THEORY FOR PRACTICE IN THE EDUCATION OF CONTEMPORARY SOCIETY internationally refereed, 2016, 287–297. (ISBN 978-9934-503-39-9)	1.3.	Published	Publication is in LV (no summary in EN) accessible through the link http://www.rpiva.lv/pdf/9_konferences_raksti.pdf
30.	Pirmsskolas vecuma bērnu jautājumi izziņas interešu veicināšanai. [Preschoolers questions in order to promote a cognitive interest]	Stangaine Inga, Augstkalne Dace	9th International Scientific Conference THEORY FOR PRACTICE IN THE EDUCATION OF CONTEMPORARY SOCIETY internationally refereed, 2016, 243–252. (ISBN 978-9934-503-39-9)	1.3.	Published	Publication is in LV (no summary in EN) accessible through the link http://www.rpiva.lv/pdf/9_konferences_raksti.pdf
31.	Designing an Annotated Longitudinal Latvian Children’s Speech Corpus	Auziņa Ilze, Levāne-Petrova Kristīne, Rābante-Buša Guna, Darģis Roberts, Fabregas Antonio	<i>Human Language Technologies – The Baltic Perspective</i> , Volume 289, IOS Press, 2016, pp 46-50.	Scopus, Web of Science 1.2.	Published	Publication is in EN, abstract and full text is accessible through the link (pdf) http://ebooks.iospress.nl/publication/45513

32.	Augšzemnieku dialekta pazīmes latviešu bērnu valodā. [Some features of the High Latvian dialect in Latvian children's language]	Lidija Leikuma, Dace Markus	International Scientific Conference dedicated to the 80th anniversary of birth of professor Aleksas Girdenis (1936–2011). TRANSFORMATIONS OF CONTEMPORARY BALTIC LANGUAGES AND DIALECTS. 19th–21st October 2016. Abstracts, 38–39	1.3.	Published	Publication is in LV, full text is accessible through the link (pdf) http://www.lki.lt/LKI_LT/images/A_Girdenio_KONFERENCIJOS_TEZ%C4%96S_2016_1_3.pdf
33.	Gramatiskās kategorijas divgadīgu bērnu valodā [Grammatical categories in the two-years old children's speech]	Auziņa, I., Levāne-Petrova, K., Saulīte, B., Rābante-Buša, G.	Abstracts of the 52nd prof. Arturs Ozols international conference "Grammatical and lexical variance in language system", March 17–18, 2016, Riga, p.12.	1.3.	Published	Abstract is in LV, accessible through the link (pdf) http://www.lamba.lv/index.php/lv/jaunumi ; http://www.rpiva.lv/lamba
34.	Līdzskaņu fonēmu atlase testēšanai: rezultāti un problēmas. [The selection of consonant phonemes for testing: results and problems].	Solveiga Čeirane, Dace Markus, Vladislava Uršuļska.	International Scientific Conference dedicated to the 80th anniversary of birth of professor Aleksas Girdenis (1936–2011). TRANSFORMATIONS OF CONTEMPORARY BALTIC LANGUAGES AND DIALECTS. 19th–21st October 2016. Abstracts, 12-13	1.3.	Published	Publication is in LV, full text is accessible through the link (pdf) http://www.lki.lt/LKI_LT/images/A_Girdenio_KONFERENCIJOS_TEZ%C4%96S_2016_1_3.pdf
35.	The new module in the study course "Children philosophy and language"	Dace Markus, Olga Ureka, Tija Zīriņa	International Scientific Conference "Word and Text" to commemorate the 144th anniversary of academician Jānis Endzelīns on 22–23 February, 2017. Riga. Abstracts.	1.2.	Published	Abstract is in EN, accessible through the link (pdf) http://lulavi.lv/media/upload/tiny/files/Endzelins_tezes%202017_23.02.pdf p. 24.-25.
36.	Acquisition of definite marking in Latvian: evidence from monolinguals and bilinguals	Olga Ureka, Marit Westergaard, Agrita Tauriņa, Anna Vulāne	International Scientific Conference "Word and Text" to commemorate the 144th anniversary of academician	1.2.	Published	Abstract is in EN, accessible through the link (pdf) http://lulavi.lv/media/upload/tiny/files/Endzelins_tezes%202017_23.02.pdf p.42.–43.

			Jānis Endzelīns on 22–23 February, 2017. Riga.Abstacts			
37.	Augšzemnieku dialekta pazīmes latviešu bērnu runā [The features of High Latvian dialect in the speech of Latvian children]	Lidija Leikuma, Dace Markus	Internationally refereed scientific periodical "Children language in Latvia in the 21st century" III, SIA Zinātne, 2017	1.3.	Accepted	Publication is in LV with summary in EN. WILL BE published in a book Accepted for publication 25.04.2017. accessible through the link http://www.lamba.lv/index.php/lv/jaunumi ; http://www.rpiva.lv/lamba
38.	Līdzskaņu fonēmu un to savienojumu izrunas salīdzinošā analīze projekta LAMBA izmēģinājuma pārbaudē un nobeigumā. [Acquisition of consonants and consonant clusters by Latvian children: comparison of pilot and normative study results]	Dace Markus, Solveiga Čeirane, Ilze Auziņa, Olga Ureka, Martins Kremers	Internationally refereed scientific periodical "Children language in Latvia in the 21st century" III, SIA Zinātne, 2017	1.2.	Accepted	Publication is in LV with summary in EN. WILL BE published in a book Accepted for publication 25.04.2017. accessible through the link http://www.lamba.lv/index.php/lv/jaunumi ; http://www.rpiva.lv/lamba
39.	Latviešu valodas fonēmu izrunas pārbaudes materiāli: lingvistiskais un logopēdiskis aspekts [The assessment tools of Latvian phoneme pronunciation: the aspect of linguistic and speech therapy]	Dace Markus, Baiba Trinīte	Internationally refereed scientific periodical "Children language in Latvia in the 21st century" III, SIA Zinātne, 2017	1.3.	Accepted	Publication is in LV with summary in EN. WILL BE published in a book Accepted for publication 25.04.2017. accessible through the link http://www.lamba.lv/index.php/lv/jaunumi ; http://www.rpiva.lv/lamba
40.	Velta Rūķe-Draviņa – projekts „Latviešu valodas monolingvāla un bilingvāla apguve: rīki, teorijas un lietojums” [From Velta Rūķe-Draviņa to the project „Latvian language in monolingual and bilingual acquisition: tools, theories and applications”]	Dace Markus, Anna Vulāne	Internationally refereed scientific periodical "Children language in Latvia in the 21st century" III, SIA Zinātne, 2017	1.3.	Accepted	Publication is in LV with summary in EN. WILL BE published in a book Accepted for publication 25.04.2017. accessible through the link http://www.lamba.lv/index.php/lv/jaunumi ; http://www.rpiva.lv/lamba
41.	Bilingvālu bērnu runas izpēte: Veltas Rūķes-Draviņas pētījumi un projekta „Latviešu valodas monolingvāla un	Zenta Anspoka, Inga Stangaine	Internationally refereed scientific periodical "Children	1.3.	Accepted	Publication is in LV with summary in EN. WILL BE published in a book Accepted for publication 25.04.2017. accessible through the link

	bilingvāla apguve: rīki, teorijas un lietojums” rezultāti [The survey of bilingual children’s speech: the research by Velta Rūķe-Draviņa and the results of the project „Latvian language in monolingual and bilingual acquisition: tools, theories and applications”]		language in Latvia in the 21st century" III, SIA Zinātne, 2017			http://www.lamba.lv/index.php/lv/jaunumi ; http://www.rpiva.lv/lamba
42.	Pedagogu un vecāku sadarbība bērna vārdu krājuma attīstības ietekmēšanai [Teachers and parents cooperation as an impact upon child’s vocabulary development]	Agrita Tauriņa	Internationally refereed scientific periodical "Children language in Latvia in the 21st century" III, SIA Zinātne, 2017	1.3.	Accepted	Publication is in LV with summary in EN. WILL BE published in a book Accepted for publication 25.04.2017. accessible through the link http://www.lamba.lv/index.php/lv/jaunumi ; http://www.rpiva.lv/lamba
43.	Pirmsskolas vecuma bērna stāstīprasmes pilnveide [Improvement of preschool child’s narrative skill]	Zane Eņģele, Agrita Tauriņa	Internationally refereed scientific periodical "Children language in Latvia in the 21st century" III, SIA Zinātne, 2017	1.3.	Accepted	Publication is in LV with summary in EN. WILL BE published in a book Accepted for publication 25.04.2017. accessible through the link http://www.lamba.lv/index.php/lv/jaunumi ; http://www.rpiva.lv/lamba
44.	Digitālā tehnoloģija un bērna valodas attīstība. [Digital technologies and child’s speech development]	Tija Zīriņa	Internationally refereed scientific periodical "Children language in Latvia in the 21st century" III, SIA Zinātne, 2017	1.3.	Accepted	Publication is in LV with summary in EN. WILL BE published in a book Accepted for publication 25.04.2017. accessible through the link http://www.lamba.lv/index.php/lv/jaunumi ; http://www.rpiva.lv/lamba
45.	Noteiktības kategorijas apguve latviešu valodā: monolingvālu un bilingvālu bērnu runas piemēru analīze [Acquisition of definite marking in Latvian: evidence from monolinguals and bilinguals]	Olga Urek, Agrita Tauriņa, Anna Vulāne, Marit Westergaard	Internationally refereed scientific periodical "Child language in Latvia in the 21st century" III, SIA Zinātne, 2017	1.2.	Accepted	Publication is in LV with summary in EN. WILL BE published in a book Accepted for publication 25.04.2017. accessible through the link http://www.lamba.lv/index.php/lv/jaunumi ; http://www.rpiva.lv/lamba

46.	Morfoloģiski marķēta longitudināla bērnu runas korpusa izmantošana valodas izpētē [Use of Annotated Longitudinal Latvian Children's Speech Corpus in Language Research]	Ilze Auziņa, Kristīne Levāne-Petrova, Baiba Saulīte (Valkovska)	Internationally refereed scientific periodical "Children language in Latvia in the 21st century" III, SIA Zinātne, 2017	1.3.	Accepted	Publication is in LV with summary in EN. WILL BE published in a book Accepted for publication 25.04.2017. accessible through the link http://www.lamba.lv/index.php/lv/jaunumi ; http://www.rpiva.lv/lamba
47.	Articulation accuracy in monolingual Latvian-speaking preschoolers: results of a large-scale population study.	Olga Urek, Roberts Dargis, Martin Krämer, Dace Markus	<i>Linguistica Lettica</i> , 2017	1.2.	Accepted	Publication is in EN, submission confirmation on 18.04.2017, accepted for publication 19.05.2017. accessible through the link http://www.lamba.lv/index.php/lv/jaunumi ; http://www.rpiva.lv/lamba
48.	Pedagogical Conditions of the Development of Grammatically Accurate Speech of 3 to 5 Years Old Children.	Anna Vulāne, Zane Eņģele, Agrita Tauriņa	<i>Rural Environment. Education. Personality.</i> (REEP). Proceedings of the International Scientific Conference. Volume 10, LLU, Jelgava, Latvia, p. 212. – 219.	1.3.	Published	Publication is in EN, full text is accessible through the link (pdf) http://lluub.llu.lv/conference/REEP/2017/Latvia-Univ-Agricult-REEP-2017_proceedings.pdf
49.	Teikuma intonācija un informācijas struktūra vecāku un bērnu saziņā [Sentence intonation and structure of information in the parent-child communication]	Ilze Auziņa, Baiba Saulīte (Valkovska)	Vārds un tā pētīšanas aspekti : rakstu krājums, 21 [The Word: Aspects of Research], Liepāja University	1.3.	Accepted	Publication is in LV with summary in EN. Submission confirmation on 24.03.2017., accepted on 31.05.2017. Accessible through the link http://www.lamba.lv/index.php/lv/jaunumi ; http://www.rpiva.lv/lamba
50.	Local Meaning in the Two-year-old and Three-year-old Children's Speech [Vietas nozīme divgadīgu un trīsgadīgu bērnu runā]	Baiba Saulīte (Valkovska), Ilze Auziņa, Kristīne Levāne-Petrova	The series "Language: Meaning and Form" of the Department of Latvian and General Linguistics at the Faculty of Humanities, University of Latvia	1.3. Index Copernicus International	Accepted	Publication is in NE. Accepted for publication on 28.04.2017. Accessible through the link http://www.lamba.lv/index.php/lv/jaunumi ; http://www.rpiva.lv/lamba

51.	Adjectival definiteness marking in the speech of Latvian children: experimental study”	<i>Agrita Tauriņa, Salvīnija Jegelevičiene and Olga Urek</i>	<i>VALODA - 2017. Valoda dažādu kultūru kontekstā. Zinātnisko rakstu krājums. Atb.red. S. Polkovņikova. Daugavpils: Daugavpils Universitātes Akadēmiskais apgāds „Saule”</i>	1.2.	Accepted	Publication is in EN, submission confirmation 26.04.2017. Accessible through the link http://www.lamba.lv/index.php/lv/jaunumi ; http://www.rpiva.lv/lamba
52.	On exceptional stress assignment in Latvian: the case of prefixes”	Antonio Fabregas, Martin Krämer, Anna Vulāne	Journal of Baltic Studies	1.2. SCOPUS	Submitted	Submitted for publication on - 08.01.2017. Accessible through the link http://www.lamba.lv/index.php/lv/jaunumi ; http://www.rpiva.lv/lamba
53.	Word-initial consonant clusters in Latvian child language: variation, sonority and grammar stratification.	Martin Krämer, Olga Urek, Dace Markus	<i>Glossa: journal of general linguistics</i>	1.2. <u>CrossRef</u> , <u>JISC KB+</u> , <u>SHERPA</u> <u>RoMEO</u> , <u>Directory of Open Access Journals (DOAJ)</u> , <u>Linguistics Abstracts Online</u> , <u>Google Scholar</u>	Submitted	Publication is in EN, submission confirmation 21.04.2017. Accessible through the link http://www.lamba.lv/index.php/lv/jaunumi ; http://www.rpiva.lv/lamba

2.8. SYNERGY MEASURES (detailed description including measurable indicators)

1. RESEARCH-BASED TEACHING OF LANGUAGE ACQUISITION (Involved institutions: UiT the Arctic University of Norway (hosting), RTTEMA (sending, Project Promoter));

Four members of academic staff from RTTEMA visited UiT in June 2016 for one-week-long research stays. As a result of the stay, collaboration with the Department of Pedagogy (UiT) has been established, and a course component integrating project results into the educational program of RTTEMA has been created.

2. MOBILITY IN LANGUAGE, CULTURE AND GENDER STUDIES (Involved institutions: UiT The Arctic University of Norway (hosting); the University of Latvia, Faculty of Humanities (sending, Project Promoter))

Two doctoral students from UL (Faculty of Humanities) visited UiT for one semester each (Spring 2016 and Fall 2016). Students followed courses in phonology, attended doctoral seminars, made use of extensive research resources UiT has to offer, and discussed their dissertation topics with Tromsø researchers.

3. Master and PhD students working on theses directly connected to the project

In addition, 4 Master students and 2 PhD students enrolled into academic programs at RTTEMA and 1 PhD student enrolled into a joint doctoral program at Ventspils University College/Liepaja University are currently working on theses incorporating LAMBA results:

1. Ingēra Tomme-Jukēvica, "Acquisition of Latvian language by bilingual Russian-speaking children" PhD student, linguistics, Ventspils University College/Liepaja University
2. Zane Eņģele, "Development of discourse skills in pre-school children", PhD student, pedagogy, RTTEMA
3. Sintija Baure (advisor: A. Petere; consultant: D. Markus), "Development of communicative skills in preparation for school", MA student, pedagogy, RTTEMA
4. Irina Karbauskā (advisor: A. Līduma; consultant: D. Markus), "Developing self-dependence skills in creative activities in 5-year-old children in the context of music lessons in pre-school", MA student, pedagogy, RTTEMA
5. Dina Liepa (advisor: A. Tauriņa), "Development of self-evaluation skills in older pre-school and younger primary school children in the context of folklore school activities", MA student, pedagogy, RTTEMA
6. Līga Kobitjeva (advisor: I. Jurgena, consultant: A. Vulāne), "Development of communicative skills in the educational context in 12-13 y. o. children", MA student, pedagogy, RTTEMA
7. Inese Eglīte, "Language acquisition in primary school: the integrated model", PhD student, pedagogy, RTTEMA

2.9. HORIZONTAL PRIORITIES

Environmental considerations – no impact anticipated

Economic and social sustainability – project focuses on developing the tools that contribute to early identification of language development delays in children, thus enabling timely and effective intervention at a minimal economic and social cost.

Gender equality – The project contributes to the gender equality in academia, by involving female researchers (including early-career researchers) in senior positions. Moreover, our studies are designed in such a way as to specifically track the linguistic development of girls and boys and map in detail the nuances and complexities of language acquisition across genders.

Good governance - The project is being conducted in accordance with the key principles of good governance, including full accountability, transparency and non-discrimination, thus promoting these principles in Latvia and in Norway. Project results are being made available to the national and international communities through dissemination.

Environmental considerations – no impact anticipated
Economic and social sustainability – positive direct impact
Gender equality – positive direct impact

The project will greatly contribute to gender equality in academia, through involving female researchers (including early-career researchers) in senior positions. Moreover, child speech corpora are designed in such a way as to specifically track the linguistic development of girls and boys and map in detail the nuances and complexities of language acquisition across genders.

2.10.PHD STUDENTS and POST-DOCS

Names of Students and Post-Docs trained	Activities carried out (incl. reference to work package and master/PhD theses drafted based on research results)
Post-Docs: Inese Freiberga, Inga Stangaine, Olga Ureka	Details on the Master/PhD students involved as a result of the synergy with the scholarship activity will be provided once the activity has started (student enrollment currently in progress; please refer to 2.8.2)

2.11.RISKS IDENTIFIED

Outcome	Outcome	Description of risk	Impact assessment	Risk mitigation plan
-	-	The planned involvement of Masters in the implementation of the research and obtaining the expertise at the project partner is not possible since Masters have families and are not able to leave Latvia in order to do a research over a longer period of study in Norway.	medium	Four RPIVA masters are approved for the Master's Thesis topics, including the synergies with the project LAMBA and masters will use the results of the research in their Master's Thesis.
-	-	RPIVA department „The children's Language Research Center” is eliminated by September 1, 2016, whose employees work for the project.	medium	The RPIVA project team is involved in the project on an individual employment contract basis and continue the project.
3	Outcome 3: Increased sustainability of high-quality research through creation of new extensive data resources.	Changes in the scheduled time for data collection activities	medium	Careful advance planning of project activities; selection of respondents for activities involving direct assessment started immediately after the funding confirmation.
3	Outcome 3: Increased sustainability of high-quality research through creation of new extensive data resources.	Insufficient number of respondents in data collection activities	medium	Concerning activities involving data collection: several members of the project team have direct contact with the target population, and experience with recruiting children for similar studies. Number of respondents was estimated taking into the account the previous experience of the project team and accessibility of the target population.

2.12. SUSTAINABILITY PLAN (applicable to Final report) Please provide answers:

Why was the project needed (background/context), and to what extent was the project's objective achieved (the longer-term goal / sustainable change that the project was aiming for)?

What did you produce or deliver in order to achieve the planned results? (Which outputs were delivered resulting from the main activities financed by the project?)

What was actually achieved/which changes occurred for the main beneficiaries of the project? (Describe the project's outcome. Include facts and figures, compare to baseline and planned outcome)

Please provide detailed steps (measurable indicators) to be taken to ensure sustainability of project results and maintain long-term collaboration with Norwegian partner in high quality research. In case of any derogations from the scheduled provisions, please provide an explanation.

Why was the project needed (background/context), and to what extent was the project's objective achieved (the longer-term goal / sustainable change that the project was aiming for)?

The overall goal of the project was to address certain challenges in language acquisition as a field of inquiry in Latvia. The most important challenges were seen as the lack of data resources that individual researchers and practitioners can build upon, such as longitudinal corpora of child speech and normative data pertaining to the typical acquisition of vocabulary, grammar and articulation by Latvian-speaking children. In addition – by making these resources freely available and disseminating the results of our work internationally – we also aimed at encouraging the interest of the international linguistic community in the Latvian language. The project has reached its objectives in terms of creating the language resources (see below for the details), thus strengthening the empirical foundation of child language studies in Latvia. Through the active dissemination of the project results, we also believe we have achieved a sustainable boost of interest in child language studies in the national linguistic community and increased the visibility of the Latvian language internationally – which should be evident in the coming years as new research based upon the resources created during the project emerges. More globally, the project has undoubtedly facilitated the scientific exchange on the European level, having created lasting research networks and ensuring that these will continue beyond the lifetime of the project (see below).

What did you produce or deliver in order to achieve the planned results? (Which outputs were delivered resulting from the main activities financed by the project?)

We have produced three norm-referenced language development assessment tools: CDI I: Words and gestures (for use with children aged 8–16 months) and CDI II: Words and sentences (for use with children aged 17–36 months) (communicative development); Latvian Phoneme Test (for use with children aged 3–6 years) (phonemic development); we have also produced an orthographically transcribed and morphologically annotated longitudinal corpus of Latvian child speech, complete with a user-friendly search interface. In addition, we have conducted a number of experimental and theoretical studies based upon these resources that were presented in over 50 scientific publications.

What was actually achieved/which changes occurred for the main beneficiaries of the project? (Describe the project's outcome. Include facts and figures, compare to baseline and planned outcome)

Outcome 1: “Strengthened research capacity in the Beneficiary States and increased application of research results through research cooperation between Norway and the Beneficiary States” was measured as a number of publications produced in the project (Output indicators 1.1–1.3) – all of these output indicators have been exceeded compared to what has been planned (please see the final report for details). Output indicators pertaining to the number of cooperating research institutions within the programme and number of PhD students and postdocs trained within the projects have been achieved in full. Output indicators of Outcome 2: “Increased efficiency of early language assessment in Latvian children and improved capacity for early detection of language delays” have been achieved in full through the creation of language development assessment tools. Outcome 3: “Increased sustainability of high-quality research through creation of new extensive data resources” have been achieved in full as measured by the creation of all planned data resources. Outcome 4: Promotion of gender-equality in academia measured as involvement of female researchers into research activities, including leading research positions have been achieved in full.

Please provide detailed steps (measurable indicators) to be taken to ensure sustainability of project results and maintain long-term collaboration with Norwegian partner in high quality research. In case of any derogations from the scheduled provisions, please provide an explanation.

In order to ensure the sustainability of the project results, the application for funding under FRIPRO scheme was submitted to the Norwegian Research Council by Martin Kramer (project leader) and Olga Urek, for a project that will focus on Latvian phonology and investigate syllable structure in child language and in patients suffering from aphasia. The project has been granted (around EUR 1 mill. in funding has been secured), and will launch in October 2017. The project presupposes active cooperation with LAMBA participants and the use of results and resources developed in LAMBA. In addition, funding from the University of Tromsø has been secured in order to organize an international conference in Baltic linguistics in Tromsø, Norway. It is planned to organize the conference in the fall of 2018. The goal of the conference is to establish the international network for researchers working in the area of Baltic Linguistics, both in the Baltics and abroad. In addition, there are plans to apply for further funding under the Norwegian Financial Mechanism.

In addition, the following articles were submitted for publication between May 1, 2017 – May 30, 2017 (see links to draft versions: <http://www.lamba.lv/index.php/lv/jaunumi>; <http://www.rpiva.lv/lamba>):
 [1]: “Latvian CDI: methodology, developmental trends and cross-linguistic comparison” (Olga Urek, Anna Vulāne, Roberts Dargis, Agrita Tauriņa, Tija Zīriņa, Hanne Gram Simonsen);
 [2]: “Acquisition of adjectival gender agreement in monolinguals and bilinguals: evidence from Latvian and Russian” (Olga Urek, Marit Westergaard, Agrita Tauriņa.).

2.13. BILATERAL ACTIVITIES (applicable to Final report)

Briefly describe the main achievements on a bilateral level (e.g. in the form of shared results, improved knowledge and understanding, or wider effects).

Did bilateral funds contribute to strengthened bilateral relations at the project or programme level (e.g. through formal partnerships and/or ad hoc exchange and collaboration in the project)?

When relevant, briefly describe how the bilateral partnership contributed to the project (e.g. in terms of strengthening results, innovation, visibility).

Description:

Bilateral cooperation project No BFP/2016/2 REPORT, Reporting period 17.10.2016 – 18.10.2016
 Funding from the Bilateral Cooperation Support grant was used to cover the travel and accommodation costs of the project’s Norwegian partners Dr. Olga Urek and Dr. Martin Kræmer, who participated in the EEA/Norway grants progress meeting organised by VIAA on 17th of October

2016 in Riga and the NFI/R/2014/053 project’s Progress meeting on 18th of October, 2016. In the project’s Progress meeting, we discussed the interim results of the Project (specifically, the progress of experiments in WP4 and norming in WP1 and WP2), as well as work on the ongoing publications and possible directions for future cooperation.

Visibility of the project results (Output 1) was ensured through the participation in the progress meeting arranged by VIAA and the publication of the summary and pictures on www.lamba.lv website. In addition, the meeting contributed to the strengthening of cooperation between Norway and Latvia (Output 2) within the Project.

Additionally bilateral cooperation Project No BFP/2017/17 has got (19.06.2017) financing (authors are experts from project LAMBA Agrita Tauriņa, Tija Zīriņa).

III. FINANCIAL SUMMARY (attached in Excel file)

Herewith I confirm that the information given in the report is true and corresponds to the actual work done within the Project and the copies added correspond the originals.

Principal Investigator:

Name	Anna Vulāne
Signature	
Date	

Legal representative of the Project Promoter: (Riga Teacher Training and Educational Management Academy):

Name	
Signature	
Date	