



PRINTeL NewsletterNo.1





CHANGE IN CLASSROOM:

Promoting Innovative Teaching & Learning to Enhance Student Learning Experience in Eastern Partnership Countries

THE ERASMUS+ CBHE PROJECT# 585760-EPP-1-2017-1-AM-EPPKA2 CBHE-JP "CHANGE IN CLASSROOM: PROMOTING INNOVATIVE TEACHING & LEARNING TO ENHANCE STUDENT LEARNING EXPERIENCE IN EASTERN PARTNERSHIP COUNTRIES", PRINTEL



Project Duration:

12/2017 - 11/2020

The aims of this project are:

- To enhance student learning experience in PCs in accordance with the ET 2020 objectives by promoting development and innovation in T&L, supporting integration of technology & research, and dissemination of good practice
- To modernize HE in the PCs in line with Bologna agenda and to establish cooperation in education & training between EU & PCs and amongst PCs by promoting virtual mobility of teachers & students, and enhancing lifelong learning resources & means

These aims will be achieved through completion of the following objectives:

- To strengthen Teaching Staff Development Centres (TSDC)
- To build up capacities of PC HEIs' teaching staff
- To establish a Virtual Academy of Teaching & Learning (VATL)

To promote greater awareness on innovative & technology-enhanced T&L

About 30 staff & 100 trainers will be trained on innovative T&L methods and ICT-based interactive and e-learning technologies for TSDCs. 28 technology-enhanced teacher training (TET) classrooms, 9 multimedia content building studios, other e-learning facilities and 5 new TET courses will be set up in PC HEIs.

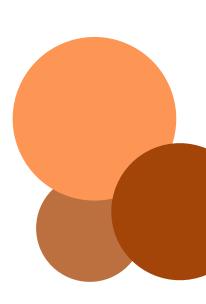
The project places a strong emphasis on the capacity building of a wide cohort of teaching staff in PC HEIs by utilizing a multiplier effect via "train the trainer" initiative. The trained trainers will adapt & deliver newly developed TET courses to over 530 university teachers.

The project will provide PCs' HE communities with an interactive professional communication, mutual learning and virtual mobility platform & Open Educational Resources - the VATL, to promote innovative T&L practices and continuous development of teaching staff.

As a result of the project implementation 6 virtual VATL's communities of teaching practice around particular teaching approaches & disciplinary groups, an annual virtual forum on innovative T&L, as well as internal institutional incentives will be established to promote awareness on innovative pedagogy and excellence in T&L.



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PRINTeL Project Coordinator

Dr. Armen Budaghyan

Dear Partners
and Colleagues,
We are pleased to present you
ERASMUS+ PRINTeL project.

The PRINTeL project entitled "Change in Classroom: Promoting Innovative Teaching and Learning to Enhance Student Learning Experience in Eastern Partnership Countries" coordinated by Yerevan State University (YSU) and funded by Erasmus + Programme of the European Unionwas launchedin 2018.

The acronym PRINTeL stands for "Promoting Innovative Teaching & Learning".

The work of the Project Management Team and of all the partnersis aimed at implementing significant change in the ways teachers are teaching and students are learning nowadays by promoting innovative and technology enhanced active teaching & learning (T&L) with the ultimate aim of enhancing student learning experience in Armenian, Georgian and Belarusian partner universities, disseminating good practice as well as modernising higher education in partner universities in line with the Bologna agenda, establishing cooperation in education and training between partner and EU countries by promoting virtual mobility of teachers and students.

The abovementioned goals will be achieved through fulfilment of the following specific objectives:

- To strengthen Teaching Staff Development Centres (TSDC) in the PC universities by enhancing capacities of staff and trainers, modernizing infrastructure and introducing innovative teacher training and academic leadership programmes.
- To build up capacities of the partner universities' teaching staff by developing their innovative and technology-enhanced teaching and learning (T&L) skills and abilities of competency- and research-based teaching.
- To establish a Virtual Academy of Teaching and Learning (VATL) as an international community of teachers, staff and students interested in using and sharing Open Educational Resources (OER) for the improvement of technologyenhanced T&L.
- 4. To promote greater awareness on the types and methods of innovative and technology-enhanced T&L and to disseminate best practices within and between universities in the partner and EU countries.

Project Methodology

The main objectives of the project are to be fulfilled through: (i) conducting trainings and workshops for a wide range of staff and teachers in the project PC universities, (ii) adopting new innovative T&L practices in the project PC universities; (iii) establishing a common virtual platform for creating, using and sharing OERs; (iv) organizing study visits, information seminars and dissemination conferences in PCs; (v) disseminating the project results and materials.

Exchange and transfer of knowledge, expertise, knowhow and good practice between EU and PC universities is a vital point for attainment of the project objectives.

Beneficiaries

Project will have an impact not only within, but also outside of the project PC universities on institutional, national and regional levels. The main target groups and beneficiaries of the project are:

- Universities as a whole;
- Students of the project PC universities and beyond;
- Teaching staff of the project PC universities and beyond;
- Administrative staff and the leadership of the project PC universities (TSDCs personnel, librarians, QA officers, deans, vice-rectors);
- Other stakeholders, social and economic partners (HE decision-makers, professional associations, high-schools, NGOs, key employers, etc.).

The following outcomes and outputs are expected by the end of the project:

- 30 staff and 100 trainers trained on innovative T&L methods and technology-enhanced instruction.
- 18 technology-enhanced teacher training classrooms, 9 multimedia content building studios and 5 new teacher training courses.
- Over 1000 trained university teachers who are no more just "lecturers" but "designers of the active learning methods and environments".
- Virtual Academy of Teaching & Learning (VATL) an interactive professional development, mutual learning and virtual mobility platform of teachers to promote innovative T&L practices.
- 6 virtual communities of teaching practice, an annual Virtual Forum and institutional award programmes promoting awareness on innovative pedagogy and excellence in T&L.
- Disseminated electronic newsletters, booklets, VATL Manual, Good Practice Teacher Handbook and training kits on innovative T&L.

Through our PRINTeL project that targets promoting innovative and technology enhanced teaching & learning (T&L) with the ultimate aim of enhancing student learning experiencein the partner universities we will do our best to incorporate a large network of main stakeholders, lecturers and students, to achieve the foreseen results and implement them in their everyday usage: in the learning and teaching process.

Good luck to all of us in the realization of our PRINTeL project mission.

Project Partners



The international cooperation of **Yerevan State University** has existed since the first years of foundation of YSU.

Now the university has agreements with 120 universities and Scientific Centers of 37 countries. Cooperation with OSCE, "Synopsis Armenia", Agency of International Development of USA, cooperation within the framework of programs "NFSAT", "CRDF", "TEMPUS" is especially active. The example of cooperation are tight scientific-educational relations of YSU, formed in last years, with the United Institute of Nuclear Researches (Russian Federation, Dubna), State University of Arizona (USA), University of Rostock (Germany), University of Trier (Germany), University of Florence (Italy), Warsaw University (Poland), Moscow State University after M.B. Lomonosov.

Today YSU is widely involved in various international programs: YSU is the full member of the International Association of Universities, Association of European Universities, Association of Eurasian Universities, Russian Union of Rectors, Association of Universities of the Countries of the Black Sea Region and the International Association of Presidents of Universities.

Learn more about PRINTel activities in YSU at





National Polytechnic University of Armenia (NPUA) was and remains the premier provider of technological education in the country. The specialization scope of NPUA includes over 55 Bachelor, 45 Master, and 40 Ph.D. programs in Engineering, Industrial Economics and Management, Applied Mathematics and Informatics. Besides the degree programs, the University also offers extended education courses by means of Continuing Education and Faculty Development Centre (CEFDC).

NPUA directed by the global requirement of its Strategic Plan 2016-2020 "to initiate a renovation process of study programs in accordance with the requirements of the European standards" makes efforts to improve permanently the methods and approaches of teaching and learning. In this regard, participation in PRINTeL project best meets the expectations of the University in the implementation of the following objectives:

- to strengthen the CEFDC through implementation of the best practice of partner European Universities;
- to enhance learning efficiency, creativity and motivation of the students through implementation of advanced and innovative methods of teaching;
- to contribute to the improvement and modernization of the NPUAContinuing Education and Faculty Development Centre's technical and technologicalinfrastructure;
- to provide access for the NPUA teaching staff to the Virtual Academy Portal to ensure exchange of the best practice and common use of the resources.

Learn more about PRINTel activities in NPUA at



There are 15 organizations involved in the Project consortium, from which 13 from the project Partner Countries (PC), namely three universities per PC from Armenia, Georgia and Belarus, and one NGO from Armenia and 5 universities from project EU countries.



Vanadzor State University (VSU) is considered to be the largest HEI of Lori Region, the largest region of Armenia. Three-cycled education (Bachelor's, Master's, and PhD Studies) is delivered at 5 faculties of the University: Philological Faculty, Faculty of History and Geography, Faculty of Pedagogy, Faculty of Biology and Chemistry, and Faculty of Physics and Mathematics. VSU is a member of 10 consortia. Serious investments have been made to improve the level of higher education at VSU. Today VSU has close cooperation with more than 20 major HEIs in Europe and post-soviet countries. Within the framework of Erasmus+ PRINTeL project, VSU seeks to:

- Improve the qualification level of the University Academic Staff by means of developed technological skills and replenishment of competence-based and science-oriented teaching methods,
- Raise the interest of potential students by promoting the modernized technologically advanced and science-oriented academic processes developed and implemented at the University both within the scope of the project and as institutional follow-up activities,
- Create a Virtual Academy of teaching and learning (VATL) as an international community of teachers, staff, and students interested in the application and sharing of Open Educational Resources (OER) to improve technologically advanced teaching and learning.
- Provide the University Academic Staff with an access to the Virtual Academy Portal to ensure exchange of the best practice and common use of the resources.

Learn more about PRINTel activities in VSU at





Ilia State University was founded in 2006 as a result of a merger of six different academic institutions with long and varied histories. Currently, it is one of the leading research and educational institutions in Georgia. Representing a union of students and professors, ISU is a multifunctional educational and research institution offering a common space for academic and professional education and research with the joint efforts of its students, professors, teachers and researchers.

The mission of the Teaching Staff Development Centre (TSDC) is to enhance the quality of academic education and research by providing teaching and research staff of Ilia State University with opportunities for professional development that targets their academic program management (design, development and assessment), instruction (i.e. classroom teaching, learning and assessment) and research skills, in full compliance with the strategic goals of IliaUni Strategic Plan, till 2024.

Our Vision is that TSDC will provide the high profile teaching staff of IliaUni with the innovative teaching / learning tools, that will contribute to the improvement of learning outcomes. Besides, the teaching / learning process, performed based on the innovative and modern models, will support to the fast adaptation of Georgian Students and Teaching staff in Western Universities, during the exchange programs and of International Students and Teaching staff, while visiting IliaUni.

This contribution of TSDC will become more and more valuable, while the share of the international double-language programs is steadily increasing in all programs, implemented by IliaUni. At the end of the third year, the TSDC operations and results will be reviewed towards planned ones.

The results of evaluation will show clear picture, how the Centre will continue its operations. It is planned to additionally assess market demand on the programs, implemented by the TSDC and if demand and performance will be satisfactory, the next step will be the commercialization of Centre operations and attracting teaching staff from other Universities on a paired basis.

Learn more about PRINTel activities in ISU at





Georgian Technical University (GTU) is one of the biggest educational and scientific institutions in the South Caucasian region. It was founded in 1922. It's a leading engineering higher educational institution and powerful scientific center. Consisting of 12 faculties (covering Engineering, Technology, Agriculture, Humanities, Law, Business, Social Sciences), 71 departments, 127 educational scientific centers, 17 scientific-research institutes, GTU has 4 educational programs.

Expected results:

- 11 staff and min. 110 trainers trained on innovative Teaching and Learning methods and technology-enhanced instruction thus providing increased potential of the teaching staff through the development of innovative and technologically advanced skills of teaching and learning;
- Development of the Virtual Academy of Teaching and Learning - VATL as an international community of academic and administrative staff and students interested in the application and sharing of open educational resources (OER) to improve mutual learning and virtual mobility platform promoting innovative T&L practices;
- Appropriate communication and dissemination channels will be developed and sustained by GTU during the project for the dissemination of the best practices: sharing information about the Project and its outcomes on GTU media as well as at various local and international events, including conferences, meetings, etc.
- Project will have an impact on: GTU as a whole; students; academic/administrative staff and the leadership; other stakeholders.

Learn more about PRINTel activities in GTU at





lakob Gogebashvili Telavi State University (TeSaU) is one of the oldest educational centers in Georgia. It is the only higher educational institution in the region, offering education programs on three BA, MA and PhD level. It was founded in 1939 and got status of the university in 1999.

After the implementation of the project Telavi State University expectations are:

- Training 6 trainers and 150 staff members in innovative and technologically advanced skills of teaching and learning in the frame of the project;
- Establishing new methods and modern technologies after the project lifetime that will increase motivation of lecturers and students in more attractive study atmosphere in the whole university.
- Developing the Virtual Academy of Teaching and Learning - VATL as an international community of academic and administrative staff and students interested in the application and sharing of open educational resources (OER) to improve mutual learning and virtual mobility platform promoting innovative T&L practices;
- Establishing and developing Teaching Staff Development Centre (TSDC) at TeSaU by enhancing capacities of staff and trainers, modernizing infrastructure and introducing innovative teacher training and academic leadership programmes.
- Promoting shearing experience between project EU partner leading universities and TeSaU.

Learn more about PRINTel activities in TeSaU at





Belarusian State University (BSU) is a classical public university accredited by the Ministry of Education of the Republic of Belarus and ranked as the leading university in Belarus. With 17 Faculties and 4 Educational Institutes, including two major educational bodies - the BSU Lyceum and BSU Law College, - BSU is acting as an integral educational and research complex being the national leader in international cooperation in education and science.

Information & Methodological support to BSU teaching staff in promoting innovative teaching & learning is offered via Interinstitutional web-portal "Methodology, Content, Practice of Creative Education". Every day guidance on use of innovative teaching & learning practices carried out by Educational and methodological laboratory of innovations in education of BSU. Today BSU employs a number of open-source software learning management systems in teaching, learning, assessing and research activities.

In this regard, participation in PRINTeL project allows BSU to foster promotion of modern trends in education as well as new ways of intensifying traditional education being one of key priorities for the BSU.

The Key outcomes for BSU to be delivered during the project are:

- 43 teachers and 90 students surveyed enabling to asses the needs for further promoting of innovative T&L approaches
- 4 BSU staff members learned EU best practices in innovative T&L;
- 15 BSU teachers trained on 5 ToT courses on how to apply actives and technology-enhanced T&L strategies
- Over 200 teaching staff members trained within in-house ToT courses
- BSU TSDC Operational plan developed and approved by BSU Council enabling deep introduction of innovative teaching & learning practices into the educational environment
- 3 technology-enhanced classrooms and multimedia studio supports educational innovations
- VALT portal developed on the basis of ToR designed under leadership of BSU increases opportunities to follow MOOC by BSU students

Learn more about PRINTel activities in BSU at





Brest State Technical University (BrSTU)

participates in the Printel project with great pleasure and great hopes for a positive effect.

Brest State Technical University is one of the largest scientific and educational centers in the western part of Belarus. It enables training of highly qualified specialists and conducts fundamental scientific research in the areas of construction, information technology, architecture, electronics, mechanical engineering, economy and ecology.

We expect that as a result of the project implementation in Brest State Technical University:

- the potential of the teaching staff will be increased through the development of innovative and technologically advanced skills of teaching and learning, as well as the ability of competence-based and science-oriented teaching;
- the center for the development of teaching staff will be strengthened on the basis of the development of the potential of employees and teachers, modernization of infrastructure and introduction of innovative training programs for teachers;
- create a Virtual Academy of teaching and learning (VAPL) as an international community of teachers, staff and students interested in the application and sharing of open educational resources (OER) to improve technologically advanced teaching and learning;
- we will promote greater awareness of the types and methods of innovative and technologically advanced teaching and learning, as well as disseminate best practices within and between universities in the partner countries (PC).

Learn more about PRINTel activities in BrSTU at

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Yanka Kupala State University of Grodno, being one of the major regional higher educational institutionstraining highly qualified specialists in a wide range of specialities, is proud to be a partner of the Erasmus+ project "PRINTeL" which aims at enhancing student learning experience in the participating countries.

The implementation of the project is expected to lead to the following result:

- increase of students' motivation and their involvement in a learning process due to the application of various methods of innovative and technologically advanced teaching and learning;
- dissemination of the up-to-date pedagogical experience of the participating countries in the field of innovative and technologically advanced teaching and learning among the academic community of YKSUG organised by Teaching Staff Development Centre;
- continuous skill upgrading and training of teaching personnel in competence-based and science-oriented teaching organised by Teaching Staff Development Centre:
- establishment of the Virtual Academy of Teaching and Learning which unites teaching and non-teaching university staff as well as students interested in sharing and application of open educational resources in order to promote technologically advanced teaching and disseminate the best practices of the participating countries.

Learn more about PRINTel activities in YKSUG at





The University of Porto in Portugal, created in 2015 a Teaching and Learning Unit (GIP). Since then many programs were generated in order to promote and develop educational models that are: more centered in the students; that use educative technologies; with distributed assessments; that include transversal skills development as learning outputs; and with broad pedagogical and scientific approaches.

The Teaching and Learning office at U.Porto is a central department that supports all 14 faculties. U.Porto, throughout the GIP, is part of the Consortium of the PRINTEL project and is very involved in sharing with all the partners the experience and main successes special in the area of Pedagogy in HE.

By being part of the PRINTEL project, we also have the opportunity to learn with all the other partners and that way increase our knowledge and experience in the field of education. As in other project with the involvement of different universities and countries, we cooperate with partners developing new ways of leading students for success, as student are always our final goal.

The PRINTEL project, throughout all the universities involved, has been an excellent opportunity to organize and rethink our strategies at the Teaching and Learning Unit. Having the chance to disseminate our best practices as well as get to know other practices in HE it's always a great way to improve what we do and offer.



Universitat de Barcelona is the most formidable public institution of higher education in Catalonia, catering to the needs of the greatest number of students and delivering the broadest and most comprehensive offering in higher educational courses. The UB is also the principal centre of university research in Spain and has become a European benchmark for research activity, both in terms of the number of research programmes it conducts and the excellence these have achieved.

Its own history closely tied to the history of Barcelona and of Catalonia, our university combines the values of tradition with its position as an institution dedicated to innovation and teaching excellence: a university that is as outward-looking and cosmopolitan as the city from which it takes its name.





Linköping University will never rest on its laurels.

In close collaboration with the business world and society, Linköping University (LiU) conducts world-leading, boundary-crossing research in fields including materials science, IT and hearing. In the same spirit, the university offers many innovative educational programmes, many of them with a clear vocational focus, leading to qualification as, for example, doctors, teachers, economists and engineers.

The university has 32,000 students and 4,000 employees on four campuses. Together we seek answers to the complex questions facing us today. Our students are among the most desirable in the labour market and international rankings consistently place LiU as a leading global university.

LiU achieved university status in 1975 and innovation is our only tradition.

Didacticum is a center at LiU established by the vicechancellor for promoting pedagogic and didactic development. It was formed in 2014 but continues the tradition of the Center for Teaching and Learning, established in 1996.

At Didacticum, we are passionate about teaching. Through qualifying courses, regular workshops and individual consultations we continuously develop teachers at LiU, equipping them with tools and skills for supporting students' learning.

Cooperation and sharing of knowledge have always been important to us, and we are grateful to be a part of the PRINTeL project. We hope to promote change in the classroom, together with our new colleagues and friends.



Katholieke Universiteit Leuven

KU Leuven is dedicated to education and research in nearly all fields. Its fifteen faculties offer education, while research activities are organized by the departments and research groups. These faculties and departments, in turn, are clustered into three groups: Humanities and Social Sciences, Science, Engineering and Technology (SET), and Biomedical Sciences. Each of these groups has a doctoral school for its doctoral training programmes.

KU Leuven boasts fourteen campuses, spread across 10 cities in Flanders.



FH JOANNEUM University of Applied Sciences

(FHJ) is part of the Consortium of the PRINTEL project representing the European Perspective on innovative teaching and learning. FHI is one of Austria's leading Universities of Applied Sciences. It has an international network of partner institutions in different educational sectors and within several industries. As an application oriented university, FHI offers students not only academic education but also practical training. The range of the 49 degree programmes is designed to meet not only the current challenges but also the need of the industry. The research activities of the university are widespread & range from entrepreneurship, higher education standardization around the world, higher education support for developing countries, the adaptation of the higher education curricula to the needs of the industries, the development of training materials, internationalization through regional development, and quality management.

As FHJ has extended expertise in the field of pedagogy at Higher Education, especially in relation to online teaching & learning, we were very glad to be invited to take part in the PRINTEL consortium, as we could not only share our proficiency on the topic but also broaden our international and intercultural competences in the European education and research landscape.

This mutual learning and exchange of competences in the field of innovative teaching and learning in a multicultural environment will not only be beneficial for the FHJ but will also generate new synergies between the partners involved.

Finally, FHJ strives to promote future intercultural cooperation in this particular area by strengthening our international focus on innovative teaching and learning methods to make an effective contribution to the European HEI programme. Moreover, we want to raise awareness on the topic and disseminate best practises between universities in the partner countries.

Learn more about PRINTel activities in FH at



Kick-Off Meeting in Yerevan

Date:

15–16 February, 2018

Place:

Yerevan State University

Kick-off meeting of the Erasmus+CBHE 585760-EPP-1-2017-1-AM-EPPKA2-CBHE-JP "Change in Classroom: Promoting Innovative Teaching & Learning to Enhance Student Learning Experience in Eastern Partnership Countries" PRINTeL Project was hold at the Yerevan State University.

The main goals of the ERASMUS+ PRINTeL Project the promotion of development and innovation in teaching and learning in Armenia, Georgia and Belarus and modernizing higher education in the partner countries were discussed at the Kick-off meeting by the representatives of European Union and Eastern partner country universities: Yerevan State University (YSU), National Polytechnic University of Armenia (NPUA), Vanadzor State University after H. Tumanyan (VSU) and National Center for Strategic Research in HE (NCSRHE), Ilia State University (ISU), Georgian Technical University (GTU) and lakob Gogebashvili Telavi State University (TeSaU), Belarusian State University (BSU), Brest State Technical University (BrSTU) and Yanka Kupala State University of Grodno (YKSUG), Universitat de Barcelona (UB), Universidade do Porto (U. Porto), Linkopings Universitet (LiU), Katholieke Universiteit Leuven (KU Leuven) and FH Joanneum Gesellschaft mbH (FHJ).

During the first day of the Kick-off meeting EU and partner countries institutions made presentations on universities, educational structures and teaching & learning methods which they use. The participants emphasized the role of innovative teaching & learning methods, current teacher training programs as well as the challenges they face in their institutions.

The first day of the meeting was concluded by the overview & administrative management of the Project by the Project Coordinator and director of the YSU Quality Assurance Armen Budaghyan.

The second day of the Kick-off meeting was oriented to the activity descriptions of 7 Work Packages by Lead partner universities.









Needs Analysis Report

Introduction

Within the framework of the ERASMUS + project "PRINTeL" in April - May 2018 was provided Needs Analysis for Innovative Teaching and Learning at the Universities, participants of project "PRINTeL". It was aimed at the implementation of the relevant specific objectives arising from the main aims of the project and implemented within the framework of the Work Package 1 titled: "Strengthening Teaching Staff Development Centres (TSDCs) in PC HEIs".

In accordance with the aim of Project, it was developed and conducted survey, which must answer three basic questions:

- How teachers teach?
- What students needs for successful learning?
- What teachers need for teaching?

The purpose of the survey was to identify teachers and students learning needs in terms of pedagogical approaches and styles, as well as instructional technologies to be used to effectively support learning process.

The survey was conducted with two different questionnaires, taking into account the peculiarities of student learning needs - "Student learning needs assessment", and the need for teacher training needs - "Teaching staff professional development needs assessment". The questionnaires were composed of 8 chapters, which allowed them to carry out studies from the point of view of the instructor and the learner, separately.

So/in both cases they had the opportunity to refer to:

- Teaching styles and pedagogical approaches used in class to communicate and interact with students around academic content, and to support student engagement.
- Learning styles and approaches, which refers to the preferential way in which the student absorbs, processes, comprehends and retains information.

- Assessment methods and approaches, which involves using methods and tools to identify what students know and are able to do.
- Use of technology, e-teaching & social media for teaching and support of learning.
- Facilities to support teaching, such as media, equipment, networks, etc. necessary for the effective and efficient teaching process.
- Teaching material and resources.

In April - May 2018 the online questionnaires were delivered to 9 Universities teachers and students for the aim of obtaining their feedback. In the conducted surveys 453 teaching staff and 800 BA and MA program students at 9 Universities in Armenia, Georgia ad Belarus were involved.

Then, every Participants created Need Analysis Report based on the surveys` results for assessing the training needs of the teaching staff & required facilities for Universities.

Results

Basically, most Needs Analyses Reports from partners Universities demonstrate similar results of surveys. According to the teachers' and students' survey the following general conclusions can be made:

Teaching styles and approaches in class:

In general, Needs Analyses Reports from partners Universities shows the difference between the "real situation" and "desirable situation" in Teaching styles and approaches. According to the results of the survey as teachers as students present such teaching styles and pedagogical approaches as: Traditional lecturing, Seminars, Discussions/debates, E-teaching/Web- or Multimedia enhanced teaching, Active teaching, Teaching in small groups (team learning), Research based teaching and Hybrid/blended teaching are the most popular. However, the most desirable teaching method is "Research based teaching". Other methods in which teachers clearly expressed their need for professional development are "Active Learning", "E-

Teaching/Web or Multimedia Enhanced Teaching, "Flipped Classroom" and "Problem-based Learning". Also, students have rated "Experience based learning", "Problem based learning" and "Project based learning" as highly needed teaching styles. They identified "Traditional lecturing" as least needed (see Fig.1).

Learning Styles and Approaches

Teachers and students' opinions about the importance of the forms of learning mainly coincide. Both groups of respondents are recognized as the most used styles: "Receiving personal feedback from teachers", Engaging in class discussion", "Doing a project", "Attending lectures & taking notes". The teaching staff adds to them "Power Point or other interactive presentations" and "Reading of textbook" (see Fig.2).

Assessment methods and approaches

Teachers give the same rate of importance for both Formative (interim) assessment and Summative (end-of-module) assessment. Among the most commonly used methods of assessment they claim to have: Classroom assessment techniques, Oral exam, Instructor-assessed projects, Standardized tests and Written exam.

In order to define the measures to be taken to meet students and teachers needs 2 indicators referring to significance of assessment methods have been compared. But if teachers focus more on such form of evaluation as Review of student projects and Self-evaluation then students prefer Written reflections by teacher and Portfolios (collections of student work). At the same time, students prefer the following methods of assessment: "Student-to-student (peer) evaluation", "Self-evaluation", "Portfolios (collections of student work)" (see Fig. 3).

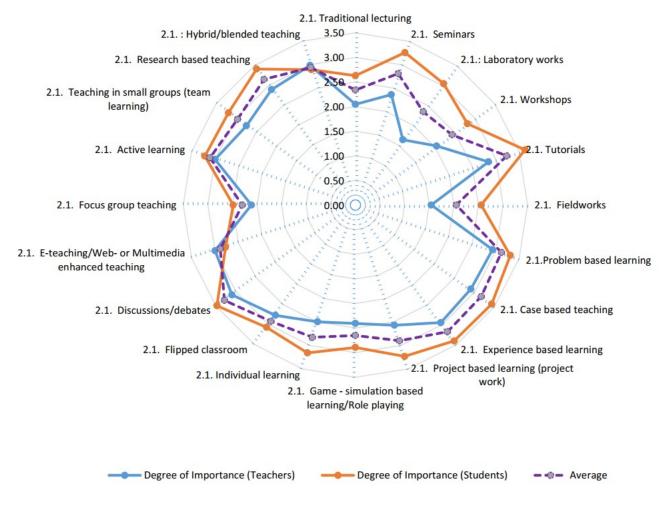


Figure 1. Degree of importance of the teaching styles and approaches according to teachers and students' feedback

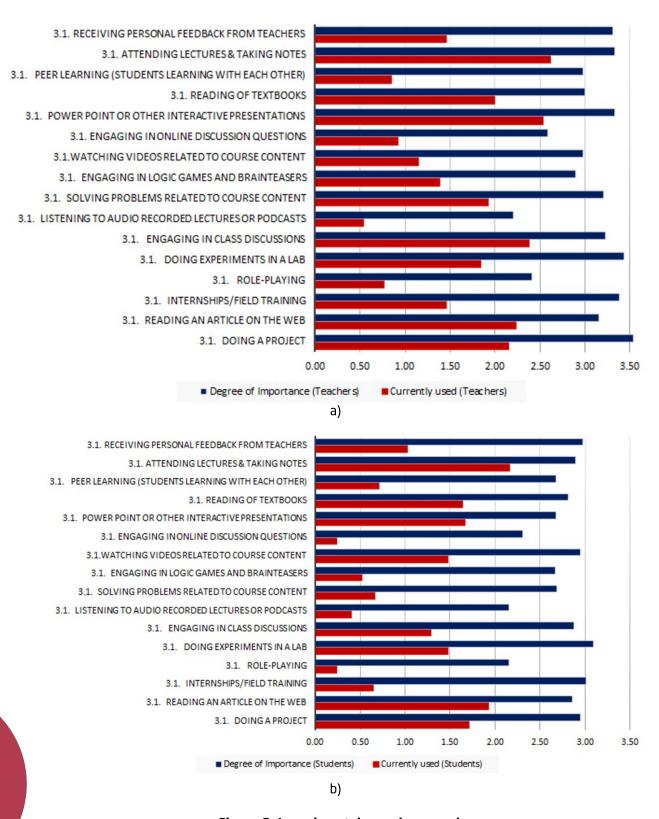


Figure 2. Learning styles and approaches a) teachers, b) students

Use of technology, e-teaching/learning and social media for teaching and support of learning

According to the feedback given by partners Universities eachers the widespread technology enhanced teaching and learning approach are

The lecturers gives their importance for: Multimedia tools, Social Media / Web 2.0 & Web 3.0 technologies, Learning managements systems (Google/Moodle),

Classroom response systems, but, there is some attitude toward Online discussion, Digital games and simulations, E-portfolios methods.

The analysis of the data obtained under this Section represents by partners Universities indicates that the teaching staff and students emphasize the high degree of importance and use of different methods. We can come to the conclusion about the necessity and importance of retraining of the teaching staff on the LMS and other technology (see Fig.4).

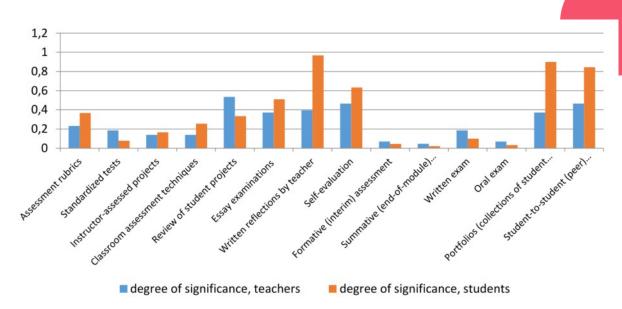


Figure 3. The most desirable forms of assessment appears

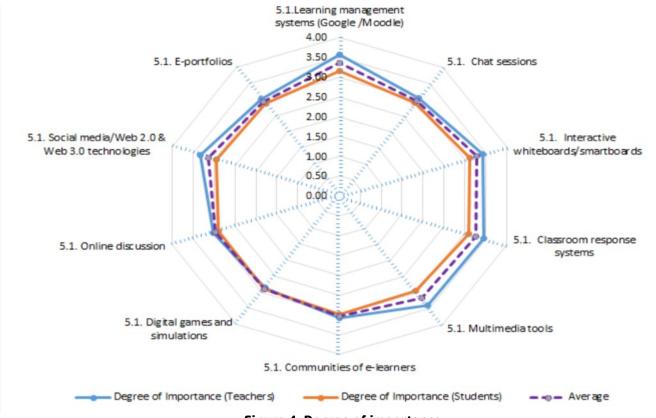


Figure 4. Degree of importance

Facilities to Support Teaching and Learning

The responses given by teachers show that the most popular facilities supporting teaching and learning are Conventional projectors, Printers, Laptop computers. According to the teachers' opinion the teaching process would be more effective with the use of High speed internet, Laptop computers, Smartphones, Interactive projectors.

In students' answers there are some similarities to teachers' responses. Laptop computers, printer, copiers and conventional projectors are currently utilized facilities to support their learning (see Fig.5). Students thought that high speed internet/Wi-fi, Printers, Copiers, Laptop computers, conventional projectors were the most significant.

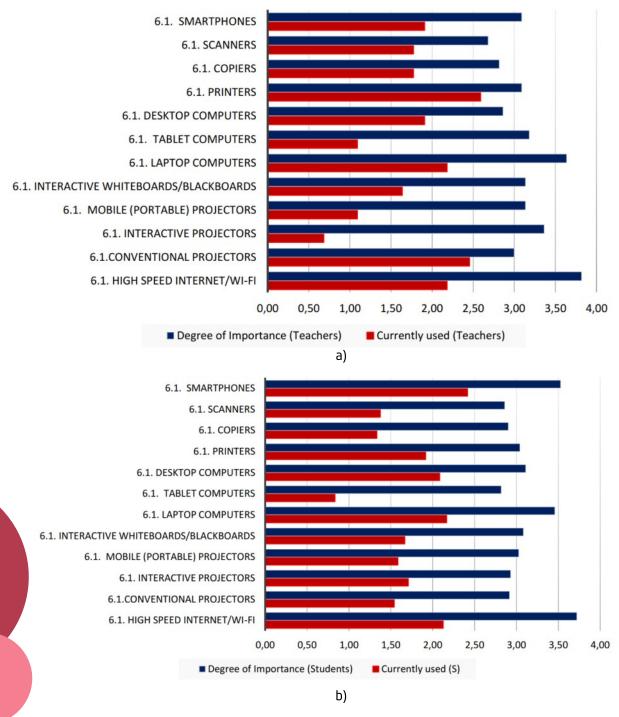


Figure 5. Degree of importance a) teachers, b) students

Teaching and learning materials

The comparison of students and teachers opinions shows that there is common reflection namely, both categories of respondent think that it is worth to use all type of Presentations and video lecture as teaching materials. Teachers tend to follow such traditional types as text book and lecture note. However, students go for further "multimization" of study content.

The innovative and technology-enhanced teaching and learning methods and approaches that are needed to be introduced are **(see Fig.6)**.

Conclusions

The obtained results show that in order to increase the effectiveness of teaching and learning processes, it is necessary to switch from traditional methods to the use of new IT tools, where the student will be in the center and active.

One of the positive findings of the study is that both teaching staff and students would like to experience new methods, new facilities and assessment forms; this clearly indicates the readiness and openness of the parties to improve the quality of educational experience and follow and incorporate the global new trends in Higher Education.

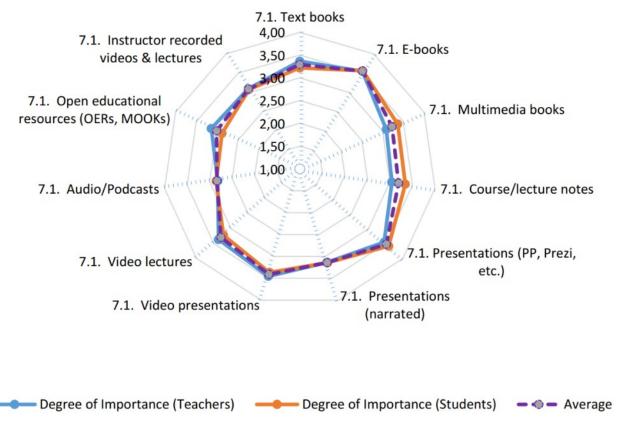


Figure 6. Degree of importance

PRINTeL Study Visit to University of Barcelona

Date:

11-12 June, 2018

Place:

University of Barcelona

On 11-12 June at the University of Barcelona (UB) were conducted study tour and information seminar on TSDC (Teaching Staff Development Center) Best Practice within Erasmus+ Project PRINTeL.

The representatives of project EU partner HEIs: UB (Spain), KU Leuven (Belgium), FH Joanneum Gesellschaft mbH (Austria), Linkopings Universitet (Sweden) had been delivering the presentations and sharing their experiences on innovative teaching and learning methods, on how to develop of digital competences, etc.

The main organisers of the event were Joan-Thomàs Pujolà and Marina Solé Català - professors at the University of Barcelona (BU).









Training-Workshops at the University of Porto

Date:

14-15 June, 2018

Place:

University of Porto

On 14-15 June, a two-day Training and Workshop were conducted at U.Porto for capacity building of Partner Country HEIs Teaching Staff Development Centres' (TSDC) heads and staff with the purposes of training them on efficient operation of TSDCs and providing innovative teacher training programmes to enhance administrative staff abilities.

The main objective of the Workshop-Training was the development of Eastern PC universities TSDC administrative staff's competence in the area of operation of TSDCs, development and realisation of innovative training programmes and working out of new operational plans.

During the workshop at U.Porto, together with the project European partner universities' representatives, experts from Universidade de Trás-os-Montes e Alto Douro (UTAD); Universidade do Minho (U. Minho) and Universidade de Lisboa shared their experiences and best practices to the participants.









1st Coordination Meeting at the University of Porto

Date:

16 June, 2018

Place:

University of Porto

On 16 June at U.Porto was held the project's 1st Coordination Meeting where European and Eastern PC institutional coordinators (19 participants) participated

During the coordination meeting the Work group leaders reported on the progress of ongoing activities and corresponding timetables set by the end of 2018 were approved by the PSC.

Also they presented PRINTeL Needs Analysis Reports which include the results of PRINTeL Survey: Teaching Staff Professional Development Needs Assessment and Student learning Needs Assesment.

The Coordination meeting was chaired by the head of PRINTeL project, director of YSU Quality Assurance Center Armen Budaghyan.









Notes







