



**Strengthening Teaching Competences
in Higher Education
in Natural and Mathematical Sciences**

Co-funded by the
Erasmus+ Programme
of the European Union



Quality Assurance report

Period from

May 14th - November 30th, 2019

January, 2020



Project acronym:	TeComp
Project full title:	Strengthening Teaching Competences in Higher Education in Natural and Mathematical Sciences
Project No:	598434-EPP-1-2018-1-RS-EPPKA2-CBHE-JP
Number of grant contracts	2018-2467/001-001
Web address of project	www.tecomp.ni.ac.rs
Funding Scheme:	Erasmus+
Coordinator Institution:	University of Nis
Coordinator:	Prof. dr Jelena Ignjatović
Project duration:	15.11.2018. – 14.11.2022
Work package:	WP5 – Quality assurance and monitoring
Lead organization of WP5:	University of Korce Activity 5.3 Preparing and analysing quality reports
Version of the document:	second
Status:	Final
Dissemination level:	Institutional, Internal

Introduction

This report is prepared based on the Internal quality reports provided by the coordinators and members of Quality Assurance and Monitoring Board (QAMB) from the eligible partner universities from Serbia and Albania.

During this period of time the preparation phase of the project is still in on-going. Two main activities were in preparation, one is finished until the end of the second mail stone. The analysis of the state of art of teaching and learning in both PC and EU HEIs is finished and reports based on collected data are completed.

Simultaneously, a survey of EU practice related to the forms and models of teaching and learning within the EU universities participating in the project is undertaken. The number of questions was fewer than in the surveys provided at the universities in Serbia and Albania, but with the same goals to make direct comparison of EU and PC outcomes possible. From the project management there was a significant desire, even though starting activities began late, to conduct the assessment/survey and try to catch up with the original project schedule in the first six months of the project.

UB-Local coordinating team meeting in Belgrade

During this period local coordinating team meeting in Belgrade, Serbia, was held from July 11th to July 13th, 2019. It took place at the University of Belgrade – Faculty of Biology with the



participation of 9 coordinators. This was the first LCT meeting, and was an opportunity for the coordinators to discuss on important issues such as the state of technology enhanced teaching and learning at the HIEs, modernization of T&L at the HIEs and review of some EU reports in preparation for the joint report. On the meeting draft versions of the reports on the level of PPM knowledge and skills enriched with

modern technologies in higher education at the partner universities in Serbia and Albania were reviewed and final versions were adopted.

The draft version of the Quality project plan was adopted and the requested timeline for future activities which refer to joint report of state of art in PC HEIs was prepared. Necessary measures and actions in modernisation of education were discussed and planned in accordance to modern European practice. The consortium made a consensus to prepare all above mentioned reports until the following CMT meeting when they would be adopted. The performed activities in equipment purchasing were overviewed and the Project Administration Platform was introduced with video-guideline for its usage.

REPORT UNI – Opening the tender bids

Preparation activities and tender procedures were finished with , before the end of July 2019. The tender commission for the equipment purchasing in Serbia was constituted during the LCT meeting in Belgrade and consisted of the following members:

Niš:

1. Miroslav Ćirić – miroslav.ciric@pmf.edu.rs; tel. 0638912842
2. Marko Živković – marko.zivkovic@ni.ac.rs;

Novi Sad:

1. Andreja Tepavčević - andreja@dmi.uns.ac.rs; contact: +38160
2. Đurica Salamon – djurica.salamon@dmi.uns.ac.rs; contact: +38160

Beograd:

1. Siniša Đurašević – sine@bio.bg.ac.rs; tel.
2. Nebojša Jasnić - jasnicn@bio.bg.ac.rs; tel.

Kragujevac:

3. Ivana Radijević - ivana@kg.ac.rs; contact: +381603747600
4. Miloš Čomić - misko@kg.ac.rs; contact: +38134301129; 0603044048

The opening of bids for the tender procedure was organised at UNI, on the July 19th, 2019. Equipment has been delivered during autumn 2019 and installed at the universities. A few additional items of the equipment were purchased at UNI, and the complete equipment procurement procedure was finished before the end of this mail stone.

REPORT UNI – Preparing EU partners' questionnaires

EU partners, University of Oviedo (UNIOVI), “Matej Bel” University of Banska Bystrica (UMB) and the University of Ostrava (UO) started distributing questionnaires in May 2019 and collected responses by the end of June. The number of questions was fewer than in the surveys provided at the universities in Serbia and Albania, but with the same goals to make direct comparison of EU and PC outcomes possible. Only a limited number of responses was received from particular target groups hence evaluation of the data may not be a true state of EU. Having said that an effort was put in to draw significant conclusions that will be used to shape the future of the project and have an information-based decision-making process. Because of that, additional reports, based on experiences collected by representatives of the PC HEIs during their visit to UNIOVI, UBB and UO were created. Some differences in practices between EU partners are noticed, so the other EU partners, University of Ghent and University of Granada made additional reports which were of great help.

Therefore, the process of preparing and collecting information about ways and models of teaching and learning at the EU HEIs in the form of reports of each partner institution. The findings will allow the consortium to carry out a comparative analysis between the performance of EU HEI-s on one hand and Serbian and Albanian ones on the other hand, which will be a good starting point for the implementation of the planned activities in the framework of the project and the accomplishment of its objectives.

Regional Cluster Meeting in Durrës

From EACEA the invitation for the Regional Cluster Meeting in Durres was arrived to project



coordinator during the summer 2019. It was an meeting aimed to better understanding of impact of CBHE projects in the Western Balkans, held from October 22nd - 23rd, 2019 in Durrës, Albania. The project coordinator

Jelena Ignjatović and the project representative from Banska Bystrica Vladimir Janis participated in this meeting.

The event was titled “The impact of Capacity Building in Higher Education (CBHE) projects in the Western Balkans”. Its aim was to encourage the cooperation between EU countries and partner countries and to support participant countries in addressing common challenges in relation to management and governance of HEIs.

PC HEIs - Report on the CMT meeting in Granada

Central Management Team Meeting was held from November 5th to November 9th in 2019. It took place at the University of Granada in Spain.



The meeting plan followed the agenda and all partners participated in. There was a total of 14 participants. During this meeting discussions were held on the preparation of the

joint report. EU partners presented their experience in integrating ICT in T&L in higher education. The first steps were taken in the direction of creating an action plan for improving the quality of T&L in Albania and Serbia. The reports on the practice in teaching and learning at the EU higher educational institutions were provided and adopted. The first mail-stone quality report was adopted, too.

UNI

Quality Assurance Check List for Review of Deliverable: Activities 1.1, 1.2, 1.3, 5.1, 7.2, 7.3

Author(s) responsible for the deliverable:

QAMB reviewer(s): Zorana Jančić

Assurance point	Issues to be addressed	Assessment	Comments	Recommendations
1. Compliance with the objective of TeComp	Does the deliverable comply with the overall objectives of the project?	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> partially	Completely fulfilled.	/
2. Compliance with the specific objectives of the workpackage	Does the deliverables comply with the WP Objectives as specified in the WP description?	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> partially	Full	/
3. Correspondence with the description of work of the relevant activity	Does the deliverable correspond with the activity description as specified in the Application Form?	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> partially	/	/
4. Compliance with the deliverables format	Is the deliverable presented using the Project's deliverable format	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	/	/
5. Adequacy of complementary information	Examples of complementary info: External sources used Bibliography List of contacts Methodology used (i.e. for surveys)	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	/	/
6. Adequacy of written language	Level of written English	<input type="checkbox"/> excellent <input checked="" type="checkbox"/> adequate <input type="checkbox"/> poor	/	/
Overall assessment and suggestions for improvement			/	
Date of Quality Assurance performed by QAMB reviewers: January 21 st , 2020				
Deadline for submission of amended version of the deliverables:				

Each member of QAMB need to sign the form.



UNI

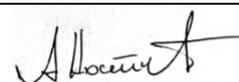
Quality Assurance Check List for Review of Deliverable: Activities 1.1, 1.2, 1.3, 2.1, 7.2, 7.3

Author(s) responsible for the deliverable:

QAMB reviewer(s): Aleksandar Nastic

Assurance point	Issues to be addressed	Assessment	Comments	Recommendations
1. Compliance with the objective of TeComp	Does the deliverable comply with the overall objectives of the project?	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> partially	/	/
2. Compliance with the specific objectives of the workpackage	Does the deliverables comply with the WP Objectives as specified in the WP description?	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> partially	/	/
3. Correspondence with the description of work of the relevant activity	Does the deliverable correspond with the activity description as specified in the Application Form?	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> partially	/	/
4. Compliance with the deliverables format	Is the deliverable presented using the Project's deliverable format	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	/	/
5. Adequacy of complementary information	Examples of complementary info: External sources used Bibliography List of contacts Methodology used (i.e. for surveys)	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	/	/
6. Adequacy of written language	Level of written English	<input type="checkbox"/> excellent <input checked="" type="checkbox"/> adequate <input type="checkbox"/> poor	/	/
Overall assessment and suggestions for improvement				
Date of Quality Assurance performed by QAMB reviewers: January 21 st , 2020				
Deadline for submission of amended version of the deliverables: December 31 st , 2019				

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UB

Quality Assurance Check List for Review of Deliverable: Activities 1.1, 1.2, 1.3, 2.1, 7.2, 7.3

Author(s) responsible for the deliverable:

QAMB reviewer(s): Nebojša Jasnić

Assurance point	Issues to be addressed	Assessment	Comments	Recommendations
1. Compliance with the objective of TeComp	Does the deliverable comply with the overall objectives of the project?	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> partially	/	/
2. Compliance with the specific objectives of the workpackage	Does the deliverables comply with the WP Objectives as specified in the WP description?	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> partially	/	/
3. Correspondence with the description of work of the relevant activity	Does the deliverable correspond with the activity description as specified in the Application Form?	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> partially	/	/
4. Compliance with the deliverables format	Is the deliverable presented using the Project's deliverable format	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	/	/
5. Adequacy of complementary information	Examples of complementary info: External sources used Bibliography List of contacts Methodology used (i.e. for surveys)	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	/	/
6. Adequacy of written language	Level of written English	<input type="checkbox"/> excellent <input checked="" type="checkbox"/> adequate <input type="checkbox"/> poor	/	/
Overall assessment and suggestions for improvement				
Date of Quality Assurance performed by QAMB reviewers: January 21 st , 2020				
Deadline for submission of amended version of the deliverables: December 31 st , 2019				

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Jacint Nedjica

UNS

Quality Assurance Check List for Review of Deliverable: Activities 1.1, 1.2, 1.3, 2.1, 7.2, 7.3

Author(s) responsible for the deliverable:

QAMB reviewer(s): Zorana Lužanin

Assurance point	Issues to be addressed	Assessment	Comments	Recommendations
1. Compliance with the objective of TeComp	Does the deliverable comply with the overall objectives of the project?	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> partially	/	/
2. Compliance with the specific objectives of the workpackage	Does the deliverables comply with the WP Objectives as specified in the WP description?	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> partially	/	/
3. Correspondence with the description of work of the relevant activity	Does the deliverable correspond with the activity description as specified in the Application Form?	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> partially	/	/
4. Compliance with the deliverables format	Is the deliverable presented using the Project's deliverable format	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	/	/
5. Adequacy of complementary information	Examples of complementary info: External sources used Bibliography List of contacts Methodology used (i.e. for surveys)	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	/	/
6. Adequacy of written language	Level of written English	<input type="checkbox"/> excellent <input type="checkbox"/> adequate <input checked="" type="checkbox"/> poor	/	/
Overall assessment and suggestions for improvement				

Date of Quality Assurance performed by QAMB reviewers: January 21st, 2020

Deadline for submission of amended version of the deliverables: December 31st, 2019

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UNIKG

Quality Assurance Check List for Review of Deliverable: Activities 1.1, 1.2, 1.3, 2.1, 7.2, 7.3

Author(s) responsible for the deliverable:

QAMB reviewer(s): Slađana Dimitrijević

Assurance point	Issues to be addressed	Assessment	Comments	Recommendations
1. Compliance with the objective of TeComp	Does the deliverable comply with the overall objectives of the project?	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> partially	/	/
2. Compliance with the specific objectives of the workpackage	Does the deliverables comply with the WP Objectives as specified in the WP description?	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> partially	/	/
3. Correspondence with the description of work of the relevant activity	Does the deliverable correspond with the activity description as specified in the Application Form?	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> partially	/	/
4. Compliance with the deliverables format	Is the deliverable presented using the Project's deliverable format	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	/	/
5. Adequacy of complementary information	Examples of complementary info: External sources used Bibliography List of contacts Methodology used (i.e. for surveys)	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	/	/
6. Adequacy of written language	Level of written English	<input checked="" type="checkbox"/> excellent <input type="checkbox"/> adequate <input type="checkbox"/> poor	/	/
Overall assessment and suggestions for improvement			This version should be approved as a final one.	
Date of Quality Assurance performed by QAMB reviewers: January 21 st , 2020				
Deadline for submission of amended version of the deliverables: December 31 st , 2019				

Each member of QAMB need to sign the form.

Slađana Dimitrijević

ECUG

Quality Assurance Check List for Review of Deliverable: Activities 1.1, 1.2, 1.3, 2.1, 7.2, 7.3

Author(s) responsible for the deliverable:

QAMB reviewer(s): Romeo Mano

Assurance point	Issues to be addressed	Assessment	Comments	Recommendations
1. Compliance with the objective of TeComp	Does the deliverable comply with the overall objectives of the project?	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> partially	/	/
2. Compliance with the specific objectives of the workpackage	Does the deliverables comply with the WP Objectives as specified in the WP description?	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> partially	/	/
3. Correspondence with the description of work of the relevant activity	Does the deliverable correspond with the activity description as specified in the Application Form?	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> partially	/	/
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6. Adequacy of written language	Level of written English	<input type="checkbox"/> excellent <input checked="" type="checkbox"/> adequate <input type="checkbox"/> poor	/	/
Overall assessment and suggestions for improvement			/	/
Date of Quality Assurance performed by QAMB reviewers: January 21 st , 2020				
Deadline for submission of amended version of the deliverables: December 31 st , 2019				

Each member of QAMB need to sign the form.



UNIKO

Quality Assurance Check List for Review of Deliverable: Activities 1.1, 1.2, 1.3, 2.1, 7.2, 7.3

Author(s) responsible for the deliverable:

QAMB reviewer(s): Ardian Cerava

Assurance point	Issues to be addressed	Assessment	Comments	Recommendations
1. Compliance with the objective of TeComp	Does the deliverable comply with the overall objectives of the project?	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> partially	/	/
2. Compliance with the specific objectives of the workpackage	Does the deliverables comply with the WP Objectives as specified in the WP description?	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> partially	/	/
3. Correspondence with the description of work of the relevant activity	Does the deliverable correspond with the activity description as specified in the Application Form?	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> partially	/	/
4. Compliance with the deliverables format	Is the deliverable presented using the Project's deliverable format	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	/	/
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6. Adequacy of written language	Level of written English	<input checked="" type="checkbox"/> excellent <input type="checkbox"/> adequate <input type="checkbox"/> poor	/	/
Overall assessment and suggestions for improvement				

Date of Quality Assurance performed by QAMB reviewers: January 21st, 2020

Deadline for submission of amended version of the deliverables: December 31st, 2019

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SWOT analysis	Quantification of assessment
S - Strengths	+++ - highly significant
W -Weaknesses	++ - moderately significant
O - Opportunities	+ - slightly significant
T – Threats	0 - without significance

Suggestions for improvement and planned measures

Strengths	Quantification of assessment
Continuous analysis of work and achieved results.	+++
Cooperation of partners.	+++
Weaknesses	Quantification of assessment
Availability of relevant information about the project on TeComp website.	+
Tender procedures in Albania is not finished yet.	+++
Opportunities	Quantification of assessment
Expand the team working on the project if necessary.	++
Shifts in the projects timetable.	++
Threats	Quantification of assessment
Tender procedure in Albania is not finished.	+++

1. Using conclusion from WP1 for plans for WP2.
2. Monitoring of tender procedures in Albania.
3. Regularly organize LCM and CMT meetings to coordinate activities and summarise results.

SUMMARY OF THE DELIVERABLES OF THE ACTIVITY 1.1

Title	Report on the level of PPM knowledge/skills of university newly hired teachers at the PC HIEs	
Type	<input type="checkbox"/> Teaching material <input type="checkbox"/> Learning material <input type="checkbox"/> Training material	<input type="checkbox"/> Event <input checked="" type="checkbox"/> Report <input type="checkbox"/> Service/Product
Achieved goals	The evaluation of students and professors at all Serbian and Albanian universities on the state of the current state of teaching and learning was delivered and finished. Final drafts of reports on the performed analysis were made.	
Conclusion	Aim is completely achieved.	
Sustainability	The quantitative analysis focused on the level of education of the young university teachers in pedagogy and methodology will be a basis for the improving teaching competences of young university teachers.	

SUMMARY OF THE DELIVERABLES OF THE ACTIVITY 1.2

Title	Report on the current state of technology enhanced teaching and learning at the PC HIEs	
Type	<input type="checkbox"/> Teaching material <input type="checkbox"/> Learning material <input type="checkbox"/> Training material	<input type="checkbox"/> Event <input checked="" type="checkbox"/> Report <input type="checkbox"/> Service/Product
Achieved goals	The evaluation of students and professors at all Serbian and Albanian universities on the use of modern technologies in teaching and learning was undertaken and visits to the PC universities gave the real picture of technical infrastructure and existing laboratory equipment. Final drafts of reports on the performed analysis were made.	
Conclusion	Aim is completely achieved.	
Sustainability	Reports on the current state and trends of technology enhanced learning in partner countries will present the state of technology enhanced education based on collected data.	

SUMMARY OF THE DELIVERABLES OF THE ACTIVITY 1.3

Title	Report on the practice in T&L at the EU HEIs	
Type	<input type="checkbox"/> Teaching material <input type="checkbox"/> Learning material <input type="checkbox"/> Training material	<input type="checkbox"/> Event <input checked="" type="checkbox"/> Report <input type="checkbox"/> Service/Product
Achieved goals	The evaluation of students and professors at UNIOVI, UMB and OU related to the forms and models of teaching and learning within the EU universities is undertaken. Together with the EU partner reports these surveys will be collected in joint report which will be a reference point for improvement of teaching and learning at the PC HEIS.	
Conclusion	Aim is completely achieved.	
Sustainability	The joint report will be presented in the project web site and disseminated across all WB institutions.	

SUMMARY OF THE TASK 2.1

Title	Universities equipped with technology-enhanced learning spaces	
Type	<input type="checkbox"/> Teaching material <input type="checkbox"/> Learning material <input type="checkbox"/> Training material	<input type="checkbox"/> Event <input checked="" type="checkbox"/> Report <input checked="" type="checkbox"/> Service/Product
Achieved goals	The aim of activity 2.1 is to harness the potential of the developments in the service of high-quality education at the WB HEIs by upgrading their educational infrastructure. Equipment is purchased and tender procedures are finished in Serbia. All the items are installed at all institutions in Serbia.	
Conclusion	Aims are partially achieved.	
Sustainability	Quality reports will be disseminated to ensure the sustainability of the project results.	

SUMMARY OF THE TASK 7.2

Title	Universities equipped with technology-enhanced learning spaces	
Type	<input type="checkbox"/> Teaching material <input type="checkbox"/> Learning material <input type="checkbox"/> Training material	<input type="checkbox"/> Event <input type="checkbox"/> Report <input checked="" type="checkbox"/> Service/Product
Achieved goals	During the project lifetime five CMT meetings are planned. The first one was held in Granada work with three months latency in accordance to the original plan.	
Conclusion	Aims are partially achieved.	
Sustainability	The meeting will help in resolving technical, legal, financial, intellectual property and other conflicts that eventually may occur.	

SUMMARY OF THE TASK 7.3

Title	Meetings of the LCT organized	
Type	<input type="checkbox"/> Teaching material <input type="checkbox"/> Learning material <input type="checkbox"/> Training material	<input checked="" type="checkbox"/> Event <input checked="" type="checkbox"/> Report <input type="checkbox"/> Service/Product
Achieved goals	Meetings of LCT are planned in the middle of the intervals between two CMT meetings to ensure continuity of management of the project. The first one was held in UB with three months latency.	
Conclusion	Aims are partially achieved.	
Sustainability	Report on the state of teaching and learning are adopted as a basis for improvement of teaching and learning. The Project administration platform that is adopted for the project purposes is a sustainable project result.	



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Co-funded by the
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