



Dissemination Report

Period from

January 1st, 2018-December 31st, 2022

January, 2023



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 WP6:	University of Korce Activity 6.3 Annual joint report disseminated
Version of the document:	second
Status:	Final
Dissemination level:	Institutional, Internal



Introduction

The dissemination report is organized in relation to the tasks foreseen by the logical frame matrix, i.e., Creating the project website, Printing and distributing promotional material, Disseminating reports on the project achievements, Organizing popularization lectures, Developing a Rulebook on CPD of teaching staff, Developing Strategy for the support and ongoing improvement of the quality of T&L and Developing a unified questionnaire.

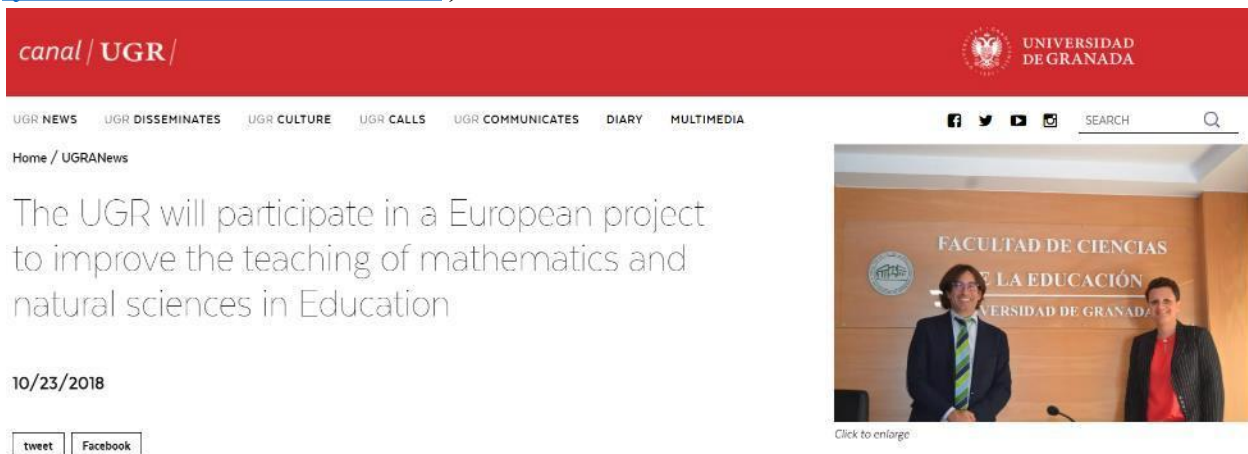
Disseminations

UGR channel press release (November 2018)

Press releases on the TeComp have been released by the University of Granada on the Spain UGR channel.

“The coordination of the project corresponds to the University of Niš (Serbia) and involves universities from Serbia, Albania, Slovakia, Belgium, Czech Republic and Spain. Some 1,500 Serbian and Albanian university professors of mathematics and natural sciences, and some 15,000 university professors from the same background, are expected to participate in activities derived from the project.”

[\(https://canal.ugr.es/noticia/la-ugr-participara-en-proyecto-mejora-ensenanza-matematicas-y-ciencias-naturales-educacion/\)](https://canal.ugr.es/noticia/la-ugr-participara-en-proyecto-mejora-ensenanza-matematicas-y-ciencias-naturales-educacion/)



The screenshot shows the UGR channel website. The header is red with the 'canal | UGR |' logo on the left and the 'UNIVERSIDAD DE GRANADA' logo on the right. Below the header is a navigation bar with links: UGR NEWS, UGR DISSEMINATES, UGR CULTURE, UGR CALLS, UGR COMMUNICATES, DIARY, and MULTIMEDIA. There are also social media icons for Facebook, Twitter, YouTube, and Instagram, and a search bar. The main content area has the headline 'The UGR will participate in a European project to improve the teaching of mathematics and natural sciences in Education' and the date '10/23/2018'. Below the headline are 'tweet' and 'Facebook' buttons. On the right side of the main content area is a video player showing two men standing in front of a banner that reads 'FACULTAD DE CIENCIAS DE LA EDUCACIÓN UNIVERSIDAD DE GRANADA'. Below the video player is a 'Click to enlarge' link.

Kick-off meeting in Niš (January 2019)

“The first meeting of the partners within the TeComp Erasmus Plus project was organized at the University of Nis, on January 15th – 17th, 2019.

The kick-off meeting was organized as a three-day event. The first day consisted of the welcome words and presentations given by representatives of the coordinating institution (University of Niš). The second day was intended for short presentations of all partner institutions given by their representatives and for a Central Management Team meeting. The round table discussion was organized on the third day .”





For kick-off purposes, blocks, folders, bags, pamphlets and posters are printed and distributed to all participants during the event. Four copies of each of these promotional materials are preserved in the archivist of the University of Niš.

Printed promo and dissemination materials

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

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

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This project has been funded with support from the European Commission





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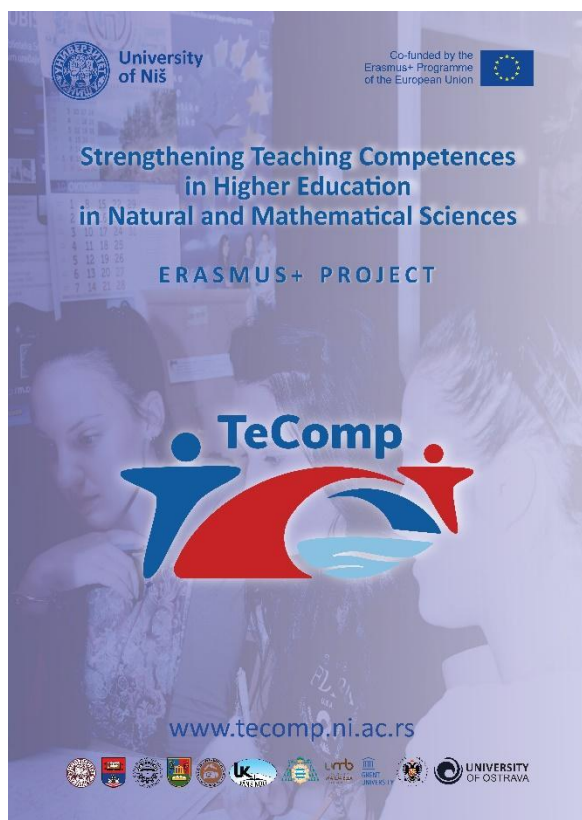
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University
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Consortium

- P1 University of Niš, Serbia
- P2 University of Belgrade, Serbia
- P3 University of Novi Sad, Serbia
- P4 University of Kragujevac, Serbia
- P5 Eqrem Çabej University Gjirokastrë, Albania
- P6 Fan S. Noli University Korçe, Albania
- P7 University of Oviedo, Spain
- P8 Matej Bel University in Banská Bystrica, Slovakia
- P9 Ghent University, Belgium
- P10 University of Granada, Spain
- P11 University of Ostrava, Czech Republic



Coordinator:
University of Niš, Serbia
Univerzitetski trg 2
18000 Niš
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Project Manager

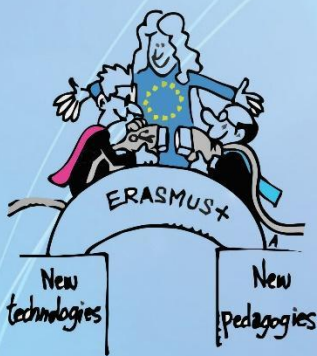
Prof. Jelena Ignjatović, Ph.D.
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Wider Objective

Improving the quality of higher education in the field of natural and mathematical sciences at higher education institutions in Serbia and Albania in line with advance EU practices, thereby enhancing their comparability and competitiveness in Europe and beyond

Innovative Character

- Modernised higher education strongly based on integration of new technologies and appropriate pedagogical approaches
- Program of continual professional development for teaching staff across all higher education institutions
- Developed and implemented strategy for the support and on-going improvement of the teaching and learning quality



Expected Impacts

- Teachers, assistants and students enhanced their teaching skills/knowledge in modern psychological, pedagogical and methodical (PPM) principles
- Teachers, assistants and students enhanced their teaching skills/knowledge in educational technology (ET)
- Universities endorsed number of new/modernised courses in PPMET
- University newly hired teachers in Serbia and Albania strengthened their teaching competences
- Continual professional development introduced in the system of higher education applied to teachers in all fields
- Implemented pilot projects which demonstrate the benefits of using online technologies in teaching and learning
- Developed technology-enhanced courses based on suitable online platforms
- The universities equipped with technology-enhanced learning spaces
- Certificate of International accreditation
- Long term collaboration with EU partners
- Improved professional and language skills and transversal knowledge
- Enhanced competitiveness/attractiveness in higher education



www.tecomp.ni.ac.rs

Specific Objectives

- to enhance professional competences and skills of teaching staff through training courses in contemporary pedagogical approaches, methodologies and educational technologies;
- to upgrade educational infrastructure as a basis for wider integration of modern pedagogical principles and technologies in teaching and learning;
- to deliver new/modified courses in psychology, pedagogy, methodology of teaching, and technology enhanced learning at the PC HEIs in line with the modern European strategies;
- to strengthen personnel infrastructure through the introduction of continuous professional



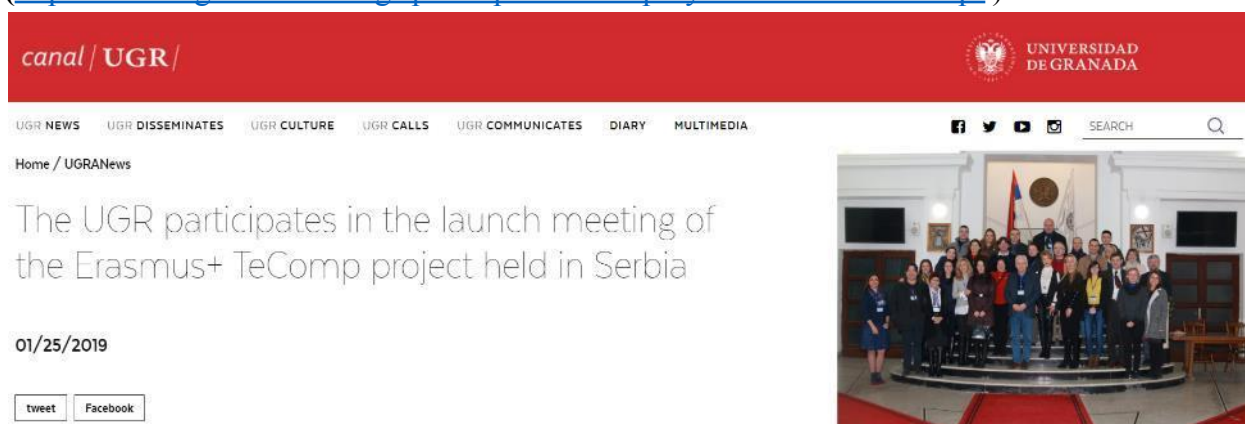
Expected Outcomes

- Identifying and adopting the necessary measures and actions required for quality enhancement of teaching and learning processes;
- Upgrading educational infrastructure;
- Training of teaching staff for harnessing pedagogical and methodological principles and new modes of teaching and learning;
- Development of methodology and platforms for wider integration of ICT in teaching and learning.

UGR channel press release (January 2019)

“The kick-off meeting of the project took place from 15 to 17 January 2019 in Niš (Serbia). The meeting was attended by professors from several universities in Serbia, Albania, Slovakia, Belgium, Czech Republic and Spain, partners of the project. In this first face-to-face meeting, the bases of the work and the final schedule of the project were established. The representatives of each university had the opportunity to present their institution and explain in greater detail than appears in the project report what their strengths are for the project and what their contribution will consist of.”

(<https://canal.ugr.es/noticia/ugr-participa-reunion-proyecto-erasmus-tecomp/>)



The screenshot shows the UGR channel website. The header is red with the 'canal | UGR/' logo on the left and the 'UNIVERSIDAD DE GRANADA' logo on the right. Below the header is a navigation bar with links: UGR NEWS, UGR DISSEMINATES, UGR CULTURE, UGR CALLS, UGR COMMUNICATES, DIARY, and MULTIMEDIA. To the right of the navigation bar are social media icons for Facebook, Twitter, YouTube, and Instagram, followed by a search bar. The main content area has a breadcrumb trail 'Home / UGRNews' and a headline 'The UGR participates in the launch meeting of the Erasmus+ TeComp project held in Serbia'. Below the headline is the date '01/25/2019' and two buttons labeled 'tweet' and 'Facebook'. On the right side of the page is a large photograph of a group of people standing in a room with a red carpet and a large painting on the wall.

Workshop in Oviedo (March 2019)

“Workshop was held from March 25th to March 29th, 2019 – University of Oviedo.

At the “Workshop on innovative teaching methodologies for mathematics and sciences in the University of Oviedo”, the hosts presented their experiences in using new pedagogical and methodological principles in higher education and continuing professional development of teaching staff. They also demonstrated the level of integration of ICT in the teaching and learning process on their University.

Examples of good practice in the field of natural and mathematical sciences were presented. The University of Oviedo has shown the activities of the Center for Innovation in Teaching of the University of Oviedo.

A meeting of partners from Serbia and Albania was also held, where a plan of further activities on the realization of the project has been made.”







Workshop in Ostrava (May 2019)

*“Workshop was held from May 13th to May 17th, 2019 – University of Ostrava
In the workshop “Workshop on Modern Teaching Inspired by Science” in Ostrava, hosts presented their experiences in using innovative teaching methodologies applied in the field of natural sciences, while a special emphasis was placed on the Heinean method which proved to be very effective in acquiring mathematical basics and directing children and high school students to mathematical and computer science, presented the way in which they use modern pedagogical and methodological principles in higher education through practical work in laboratories.*

In addition, special attention was paid to the application of fuzzy models and other seemingly complicated mathematical and logical units, in practice, in addition to the development of useful software, which facilitate work and enable solving real problems by creating a computer vision “





Workshop in Banska Bystrica (May 2019)

“Project meeting was held from May 17th to May 20th, 2019 – Matej Bel University

The hosts at the University of Banská Bystrica has shown activities of their departments within the Faculty of Science and Mathematics, they demonstrated contemporary teaching methods that apply both in classical teaching activities and in laboratories and computer classrooms.

Examples of good practice in all areas of natural science and mathematics were presented, the content of their rich library, which represents an archive available to professors and students from all universities in Slovakia, and its database was introduced.

The visit was also used for the meeting of representatives of partner institutions from Serbia and Albania, where they conducted outcomes of the surveys that had been examined at these institutions. They made the plan for preparing the draft report which would comprise a comparative analysis of the application of modern PPM methods and modern technologies at the universities in Serbia and Albania (based on analysis of the survey) and institutions from Spain, the Czech Republic and the Slovak Republic (based on the information obtained during the previous visits)”.





The monitoring of the TeComp project at KorcaUGR (May 2019)


“May 24, 2019, the staff of the Erasmus+ national office conducted the monitoring visit to the “Fan Noli” University in the city of Korca, for the two projects financed by Erasmus+, abbreviated TEAVET and TeComp. The aim of the first project is to develop the Competences of Teachers for a Self-Inclusive System in Albania. While the second project aims to strengthen the Teaching Competencies in Higher Education in Natural Sciences and Mathematics. One of the most important points of the two projects is the focus on increasing the capacities and quality of teaching.”

(<https://erasmusplus.al/?p=4847&lang=sq>)



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<https://erasmusplus.al/?p=4841>

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Albanian National Erasmus+ Office Field Monitoring Visit to University of Korça.

by erasmusadm | May 24, 2019 | Activities

Date: 24th May, 2019

Location: “Fan Noli” University of Korça.

Organized: Albanian National Office of Erasmus+

May 24, 2019, the staff of National Erasmus+ Office conducted impact field monitoring mission to the CBHE funded project “Developing Teacher Competencies for a Comprehensive Vet System in Albania” and advisory monitoring visit to the CBHE “Strengthening Teaching Competences in Higher Education in Natural and Mathematical Sciences”.

The aim of the visit was to learn about the project outcomes realized and their impact and sustainability prospects with a focus on capacity building and quality of teaching.

The visit consisted of project reports and advancements according to the logistic, budget and management plan, scheduled in the project as well as the difficulties encountered until now. Erasmus + staff provides solutions, advices and guidance for next steps.

T.NKS:

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FOUNDING SOURCE:

“The website has been funded within the framework of the European Union Erasmus + programme which is funded by the Directorate General for Development and Co-operation – EuropeAid and the Directorate General for Enlargement.”

DISCLAIMER:

“This website reflects the



**Strengthening Teaching Competences
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Top notch education platform (May 2019)

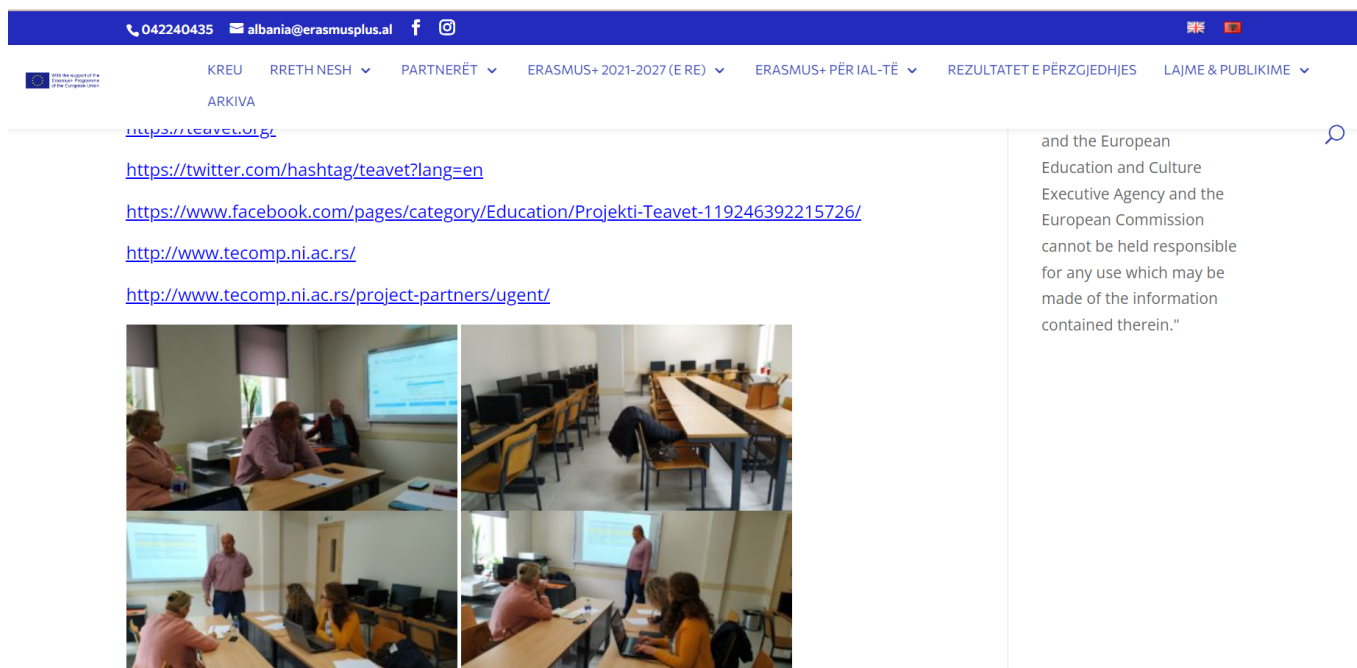
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(<https://erasmusplus.al/?p=4847&lang=sq>)

Results has been published on the Erasmus+ Office web and Facebook pages


https://m.facebook.com/permalink.php?story_fbid=1288803491312216&id=359546980904543

Erasmus+ Office web page.



Erasmus+ Office Facebook page.



 **Albanian Erasmus + Office** is in Korçë, Albania.
May 24, 2019 at 5:33 PM · Korçë · 🌐

Sot zhvilluam monitorimin e dy projekteve
#TEAVET dhe #TECOMP , te mbeshtetura nga Erasmus+.
#StrengtheningandDeveloping #Teachingcompetences



Workshop in Granada (November 2019)





Top notch education platform 2020

One of the Project members Prof. Dr. Miroslav Marić, Faculty of Mathematics University of Belgrade, Serbia, led a team that created an educational platform(<http://edusoft.matf.bg.ac.rs/>). During the creation process, the methods of good practice already familiarised within the frame of TeComp, were implemented and used, increasing the visibility and dissemination of the Project results. This effort did not go unrecognized, because this platform received a prestigious award at a world competition "Zero Project 2020", organized by the Essl Foundation and the United Nations in Vienna, and presented on the main Serbian TV station, RTS.

Edusoft.matf.bg.ac.rs

(<https://youtu.be/3mc7USkrMEw>)

(<https://youtu.be/1UTPA8SvByU>)



One of the TeComp activities was research aimed at determining how students adapted their learning strategies in the sudden interruption of normal study patterns in the first period of the pandemic (March 2020 - June 2020). The online questionnaire was distributed to several universities in Serbia (Belgrade, Novi Sad, Niš, Kragujevac) to 521 students of different faculties. Research results were presented and published at the Tie2022 conference.

Questionnaire results published.



9th International scientific conference
**Technics and
Informatics in
Education – TIE 2022**
16-18 September 2022

Session X: Technics and informatics in education
Professional paper
UDC: XX.XX

Resilience of Higher Education Institutions in Serbia: A Student's Perspective

Olja Jovanović^{1*}, Ana Pešikan¹ and Slobodanka Antić¹

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Abstract: The present study investigates the experiences of undergraduate students in pursuing their studies in the initial months of the COVID-19 pandemic. In this study, we use an exploratory descriptive approach through an online survey with a convenient sample of 467 undergraduate students. The results indicate that the students have experienced emergency remote education (ERE) as more demanding in comparison to the pre-pandemic face-to-face learning/teaching. Since the ERE has been largely dependent on the resources of learners and their families, it is important to highlight that 25.1% of students reported that none of the teachers showed interest in differences among students in their living and learning contexts, while 34.5% reported that none of the teachers individualized their teaching, accordingly. Recommendations are presented to build the resilience of higher education institutions in Serbia during future emergencies.

Keywords: resilience; higher education; COVID-19 pandemic; education in emergencies

1. INTRODUCTION

In the face of disturbances, such as pandemics, natural disasters, wars, and social unrest, higher education (HE) has an important role to maintain academic quality and continuity. As Bartusevičienė et al. [1] emphasize, educational institutions have to be able to respond to a crisis and continue to provide uninterrupted services through adaptation and adjustment. In this context, resilience as a quality of being able to return quickly to a previously good condition after facing disruptions is becoming crucially important for HE institutions (HEIs).

One of such disturbances calling for resilient HEIs was the COVID-19 pandemic. The pandemic has imposed increased demands on HE and seriously shaken the established ways HEIs run their courses [2]. This process, emerging from a global context burdened with uncertainty and prosocial concerns and characterized by a rapid and unplanned shift towards remote education, is recognized in the literature as emergency remote education (ERE) [3]. Overview of the studies on the ERE shows that the main challenges are associated with lack of technical and material resources, lack of digital and pedagogical/learning skills, as well as lack of social interaction in learning/teaching process [4]. Consequently, the ERE is associated with increased stress, burnout and mental health problems for both teachers and learners [4].

The first recorded case of the coronavirus in Serbia occurred in early 2020. Following its rapid

spread, the government announced restrictions with stringency increases as the COVID-19 virus spread. An expansion of government-imposed restrictions continued until May 2020, after which a first steps towards limited reopening were introduced. In the initial months of the pandemic, university classrooms and dorms were emptied. HEIs' management have responded by moving academic and related activities online with a sense of urgency. Research indicates that for a majority of the HE teachers in Serbia online teaching was a novel task, i.e., they did not have the experience with online teaching prior to the ERE [5]. HE teachers have experienced a mismatch between available resources and support, and previous experiences with remote teaching practices and technologies, on the one hand, and demand for high quality online teaching/learning practices, on the other hand. However, how has the transition from in-class to remote education been experienced by HE students in Serbia remains under-researched.

1.1. Organizational Resilience

The concept of resilience regained attention following the COVID-19 pandemic. It has been used to describe individuals, organizations, and/or systems that are able to respond to and recover from threatening experiences with minimum disruption to their stability and functioning [6]. The authors focusing on a level of institution describe this feature as organizational resilience. If organizations are not sufficiently prepared to mitigate impacts and effectively respond to crises, it could have a negative impact on their

The Working Group for Educational Software of the Faculty of Mathematics, University of Belgrade deals with the improvement of teaching mathematics, computer science and informatics through the development of electronic platforms, professional development of teachers, as well as creating electronic materials for teaching and retraining in the IT sector. All created teaching materials, electronic courses and software packages are free and publicly available at: <http://edusoft.matf.bg.ac.rs/>. Among the educational materials, we highlight the currently very current educational platform "Final Exam – a platform for equal inclusion of students in the educational process", which was recently awarded at the world competition "Zero Project 2020", organized by Essl Foundation and the United Nations in Vienna (<http://zavrsniispit.matf.bg.ac.rs/>).

This event was reported by the Serbian Government (<https://www.srbija.gov.rs/vest/448647/platforma-nasihstrucnjaka-nagradjena-na-svetskom-takmicenju-zero-project-2020.php>), Radio Television of Serbia (https://www.youtube.com/watch?v=3mc7USkrMEw&feature=emb_title) as well as educational institutions and other relevant institutions (<http://ezbirka.matf.bg.ac.rs/?action=news>).

In addition to the "Final Exam" platform, the Mathematical Society of Serbia, the Faculty of Mathematics University of Belgrade and the GeoGebra Centre Belgrade, the "eCollection" and "Entrance Exam" educational platforms were also created. The "eCollection" is an electronic collection of math tasks for primary school higher years students (<http://ezbirka.matf.bg.ac.rs/>). The collection contains over 12,000 tasks with solutions, grouped by grades and areas.

The "Entrance exam" (<http://www.prijemniispit.matf.bg.ac.rs>) contains tasks in mathematics and Serbian language intended for students who are preparing to take entrance exams at the faculties where the program includes the listed subjects. Within these two platforms, more than 4,000 teacher accounts have been opened so far, the number of users has exceeded 100,000, and in the midst of preparations for the final exam, over 50,000 users have accessed the platforms daily. The platforms have been recommended by the Ministry of Education, Science and Technology Development, the Social Inclusion and Poverty Reduction Unit of the Government of the Republic of Serbia and UNICEF as platforms with educational resources for all levels of distance education and they are on "List of digital tools for working with children and students who need additional support" (<http://www.mpn.gov.rs/wp-content/uploads/2020/05/3.a.-Listadigitalnih-alata-za-dodatnu-podr%C5%A1ku-u-%C4%8Denje-na-daljinu.pdf>). The platforms were presented by invitation at the first online digital conference "Digital Education 2020" (<http://edtech.center/sr/konferencija-2020/>).



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**Report on the implementation of the TeComp Erasmus+ project
at the Faculty of Mathematics, University of Belgrade**

It is my pleasure to briefly report on some activities of the Faculty of Mathematics, University of Belgrade, which were largely implemented on equipment purchased under the Erasmus+ project "Strengthening Teaching Competences in Higher Education in Natural and Mathematical Sciences (TeComp)", No. 598434-EPP-1-2018-1-RS-EPPKA2-CBHE-JP.

Namely, the Working Group for Educational Software of the Faculty of Mathematics, University of Belgrade deals with the improvement of teaching mathematics, computer science and informatics through the development of electronic platforms, professional development of teachers, as well as creating electronic materials for teaching and retraining in the IT sector. All created teaching materials, electronic courses and software packages are free and publicly available at: <http://edusoft.matf.bg.ac.rs/>.

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The platforms have been recommended by the Ministry of Education, Science and Technology Development, the Social Inclusion and Poverty Reduction Unit of the Government of the Republic of Serbia and UNICEF as platforms with educational resources for all levels of distance education and they are on "List of digital tools for working with children and students who need additional support" (http://www.mppn.gov.rs/wp-content/uploads/2020/05/3_a-1_lista_digitalnih-alata-za-dodatnu-podrucje%20A1ku-a%20C4%20Denic-na-daljinu.pdf). The platforms were presented by invitation at the first online digital conference "Digital Education 2020" (<http://edtech.center/sr/konferencija-2020/>).



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Finally, the "eSchool of the Web" platform (http://edusoft.matf.bg.ac.rs/eskola_veba/) is an electronic school of web programming, which enables interactive learning of the most modern free web technologies through carefully designed courses. There are a large number of courses on the platform, which cover modern free web technologies: HTML, CSS, Bootstrap, JavaScript, TypeScript, jQuery, AngularJS, Angular, React, Vue.js, PHP, Laravel, MySQL, Java, etc. We point out that over 5,000 users have attended the courses per month on average.

All the mentioned platforms have a very important role in teaching, and they were especially evident in distance teaching during the pandemic. The platforms have been recognized and proposed by the Institute for the Advancement of Education as teaching materials for the preparation of the final and entrance exam (<https://zav.gov.rs/ucenje-na-daljinu-alati-za-priprecu-zavrshnog-pricemnog-isplata-jedini-testovi/>), and teaching materials for distance learning (<https://zav.gov.rs/alati/#1585241840186-836632cd-a772>).

Belgrade, 10. 11. 2020.


Prof. Dr. Zoran Rakić
Dean of the Faculty of Mathematics
University of Belgrade



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Belgrade, November 11., 2020

TITLE: Statement of performing online workshop on EU project entitled "TeComp - Strengthening Teaching Competences in Higher Education in Natural and Mathematical Sciences (598434-EPP-1-2018-1-RS-EPPKA2-CBHE-JP)" at the University of Belgrade, Faculty of Physics

To whom it may concern,

Within the mentioned project in the title, I declare that a one-day online workshop entitled "Training of teachers and associates for conducting online teaching on the G Suite for Education platform" was held four times: March 16 and 23, and October 5 and 12, 2020.



Regards,


Prof. Dr. Ivan Belčić,
Dean



FACULTY OF BIOLOGY
UNIVERSITY OF BELGRADE

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Belgrade, November 5, 2020

TITLE: Statement of performing online workshop on EU project entitled "TeComp - Strengthening Teaching Competences in Higher Education in Natural and Mathematical Sciences (598434-EPP-1-2018-1-RS-EPPKA2-CBHE-JP)" at the Faculty of Biology University of Belgrade

To whom it may concern,

Within the mentioned project in the title, I declare that a one-day online workshop entitled "Training of teachers and associates for conducting online teaching on the G Suite for Education platform" was held four times: March 16 and 23, and October 5 and 12, 2020.

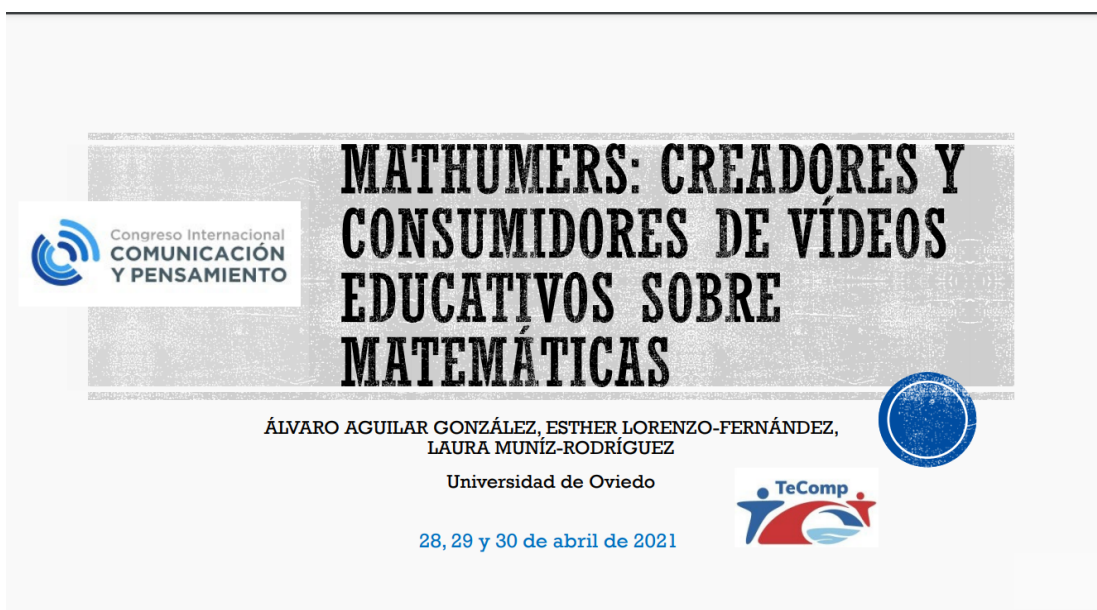


Best wishes,


Prof. Dr. Zeljko Tomjanović, Dean

The scientific conference by University of Oviedo (April 2021)

"The result of the project were presented by the University of Oviedo at four scientific conference. Aguilar-González, Á., Lorenzo-Fernández, E., y Muñiz-Rodríguez, L. (2021). Mathsumers: Creadores y consumidores de vídeos educativos sobre matemáticas. [Mathsumers: Creators and Consumers of Educational Videos on Mathematics]. VI International Conference on Communication and Thought. The revolution of the prosumers: youtubers and instagramers."



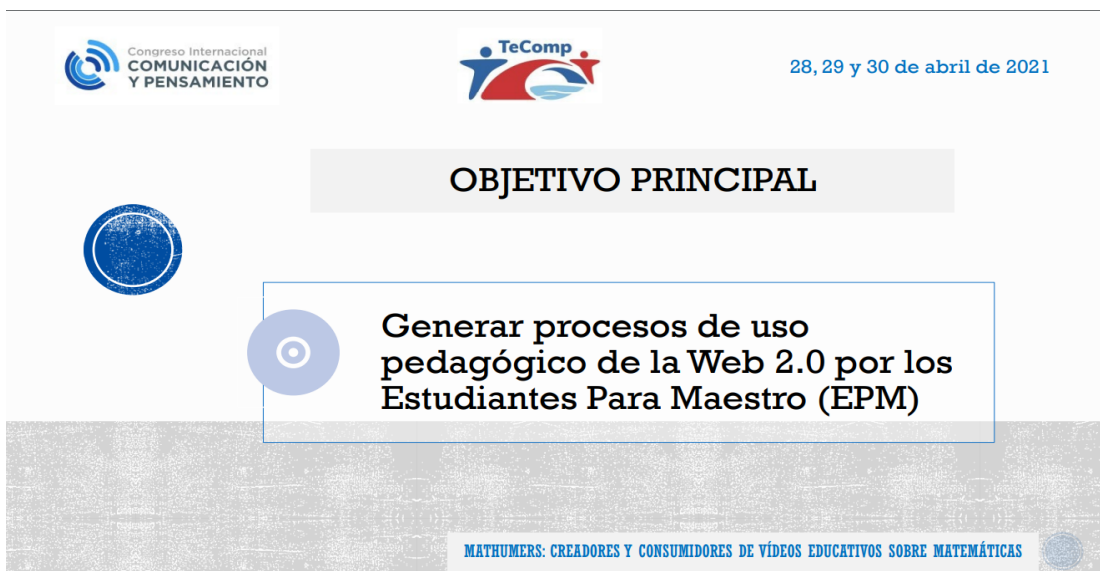
MATHUMERS: CREADORES Y CONSUMIDORES DE VÍDEOS EDUCATIVOS SOBRE MATEMÁTICAS

Congreso Internacional COMUNICACIÓN Y PENSAMIENTO

ÁLVARO AGUILAR GONZÁLEZ, ESTHER LORENZO-FERNÁNDEZ, LAURA MUNÍZ-RODRÍGUEZ
Universidad de Oviedo

28, 29 y 30 de abril de 2021

TeComp



Congreso Internacional COMUNICACIÓN Y PENSAMIENTO

TeComp

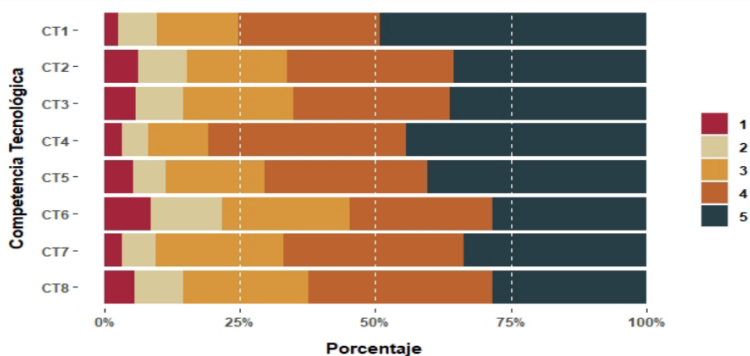
28, 29 y 30 de abril de 2021

OBJETIVO PRINCIPAL

Generar procesos de uso pedagógico de la Web 2.0 por los Estudiantes Para Maestro (EPM)

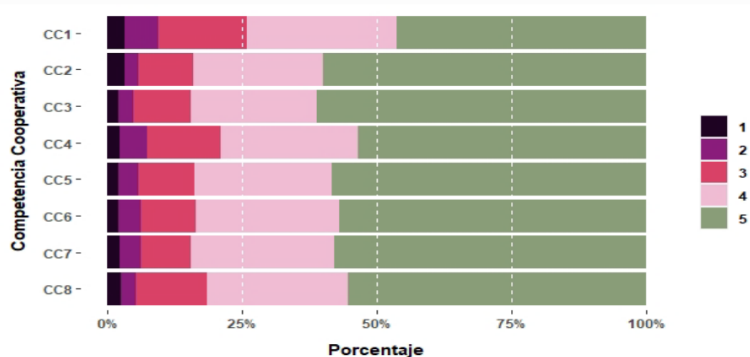
MATHUMERS: CREADORES Y CONSUMIDORES DE VÍDEOS EDUCATIVOS SOBRE MATEMÁTICAS

RESULTADOS Y DISCUSIÓN



MATHUMERS: CREADORES Y CONSUMIDORES DE VÍDEOS EDUCATIVOS SOBRE MATEMÁTICAS

RESULTADOS Y DISCUSIÓN



MATHUMERS: CREADORES Y CONSUMIDORES DE VÍDEOS EDUCATIVOS SOBRE MATEMÁTICAS

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DEPARTAMENTO DE ESTADÍSTICA E I.O.
Y DIDÁCTICA DE LA MATEMÁTICA

UNIVERSIDAD DE OVIEDO



Universidad de Oviedo
Universidá d'Uviéu
University of Oviedo



VÍDEOS EDUCATIVOS COMO INSTRUMENTO PARA DESARROLLAR EL CONOCIMIENTO ESPECIALIZADO DEL PROFESORADO DE MATEMÁTICAS

*I Congreso Internacional de
Transformación Digital
en Entornos de Aprendizaje
Mayo, 2021*

INTRODUCCIÓN



METODOLOGÍA

Grado en Maestro/a en
Educación Primaria de la
Universidad de Oviedo

Curso académico
2019/2020

Matemáticas y su
Didáctica III



**Vídeo
educativo**

- *Flipped learning*
- 5-8 minutos
- Enriquecimiento con preguntas interactivas

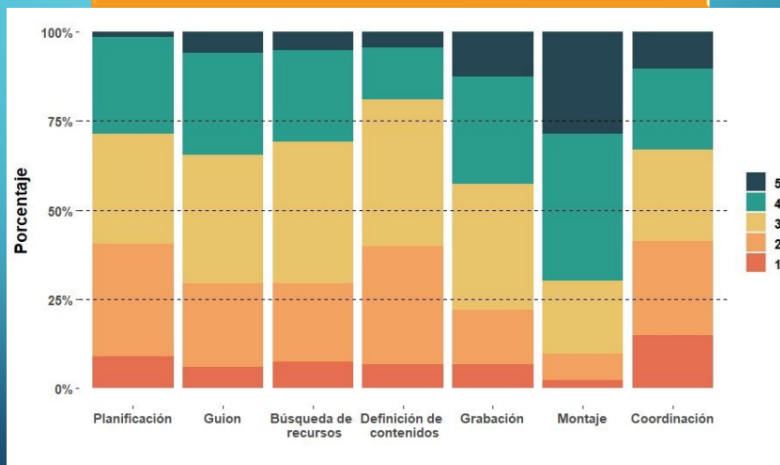
RESULTADOS

136 estudiantes

42 vídeos educativos



Valoraciones de los estudiantes para maestro sobre la
dificultad de la tarea



Online lectures in the high school "Jovan Jovanović Zmaj", Novi Sad (May 2021)

Goran Radojev held two lectures where he promoted the methods he learned at the TeComp project. One lecture was online (25.05.2021.) with 14 students present at the lecture and a total of 83 views afterwards. The second promotion was on October 26, 2022. in the high school Jovan Jovanovic Zmaj Novi Sad, with 17 students present.

26. 10. 2022. 40. Радни дан 40. Наставни дан		
1. час	Историја Црна Гора, Срби под османском влашћу утврђивање Борислав Ђалић	[15] 3
2. час	Анализа са алгебром Квадратне неједначине Горан Радојевић	[31] 1
3. час	Анализа са алгебром Квадратне неједначине Горан Радојевић	[32] 1

Šesnaesti čas - utorak, 25.5.2021. u 20h (Kvadratna funkcija i Vijetove formule 2)

 URL Video snimak - čas 16	151 views by 83 users	Wednesday, 2 November 2022, 11:32 AM (5 hours 28 mins)
 File Čas 16 - rešenja	165 views by 83 users	Saturday, 8 January 2022, 7:14 PM (297 days 19 hours)

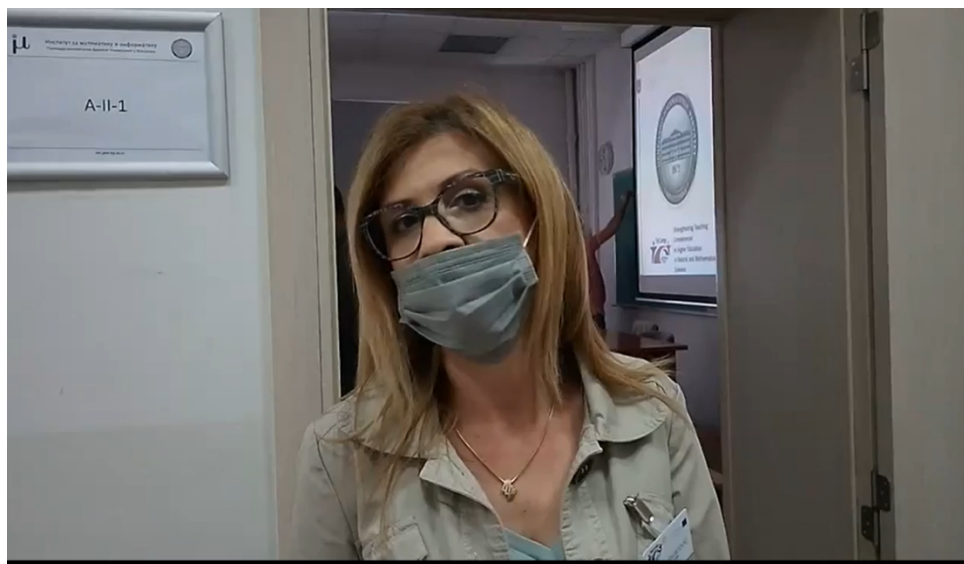
LCT and working hours Kragujevac (June 2021)

“Dr Jelena Ignjatović from The faculty of Mathematics and Natural Sciences, coordinator of the TeComp project: “We know the technology is making progress at breakneck speed, so the main goal of this project is to improve the teaching methodology in ways of using the modern technology and motivating students.”

Dr Slađana Dimitrijević from The Faculty of Science in Kragujevac, the host of this LCT meeting: “Every day should be looked as an opportunity for cooperation. The only room for improvement comes after you see how the other people are working.”

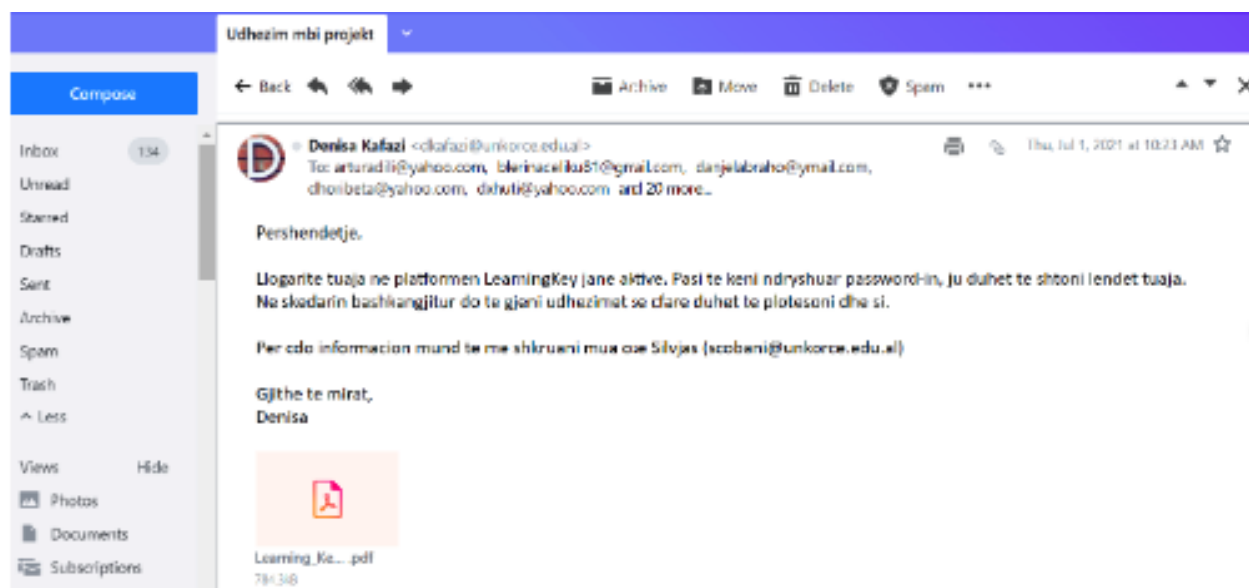
<https://www.facebook.com/watch/?v=1218772345250362>

<https://www.facebook.com/watch/?v=865087600796793>



Informing teachers and students about the TeComp project and the LearningKey platform at Korça University (Jun 21)

“On 30th June 2021 teachers and students of the Faculty of Natural and Human Sciences attended a short online presentation on MS Teams about the Learning Platform. There was a total of 36 participants, and the presenter was Silvja Çobani. Moreover, the presentation was sent via email to the teachers of the Faculty of Natural and Human Sciences the next day”



The scientific conference by University of Oviedo (Jun 2021)

The result of the project were presented by the University of Oviedo at four scientific conference. Muñoz-Rodríguez, L., Lorenzo-Fernández, E., y Aguilar-González, Á. (2021). Mejora de la motivación hacia la didáctica de la matemática y desarrollo de la competencia docente de los estudiantes para maestro a partir de una experiencia de m-learning. [Improvement of the motivation towards the didactics of mathematics and development of the teaching competence of the students for teacher from an experience of m-learning]. VII Congress of Educational Innovation and Online Teaching (IN-RED 2021).



UNIVERSITAT POLITÈCNICA DE VALÈNCIA

IN-RED 2021
13, 14 y 15 Julio • Valencia

VII CONGRESO DE INNOVACIÓN EDUCATIVA Y DOCENCIA EN RED

Mejora de la motivación hacia la didáctica de la matemática y desarrollo de la competencia docente de los estudiantes para maestro a partir de una experiencia de m-learning

LAURA MUÑOZ-RODRÍGUEZ, ESTHER LORENZO-FERNÁNDEZ, ÁLVARO AGUILAR GONZÁLEZ

Universidad de Oviedo



RESULTADOS

	2018-2019	2019-2020	2020-2021	Total
Género				
Femenino	45	73	92	210 (67.96 %)
Masculino	18	30	51	99 (32.04 %)
Edad				
Media	19.67	20.17	20.29	20.12
Mínimo	18	18	18	18
Máximo	30	49	41	49
Total	63 (20.39 %)	103 (33.33 %)	143 (46.28 %)	309

TECOMP meeting organized at "Fan Noli" University (September 2021)

“On September 13-17, 2021, at the University "Fan S. Noli" was held a workshop focusing on teaching competencies, within the project "Strengthening Teaching Competences in Higher Education in Natural and Mathematical Sciences" TeComp. The group of 26 participating lecturers from Albanian and Serbian universities, initially held a meeting with the rector of UNIKO, prof. dr. Dhimitri Bello, the Deputy Rector for Research and Science, dr. Benita Stavre, the deputy rector for teaching dr. Arto Adili etc. During the conversation, emphasis was placed on the importance of increasing the quality of teaching in universities in the field of natural sciences and mathematics, integrating to a large extent the pedagogical methods, methodology and modern technology, which is the purpose of this project.”





The scientific conference by University of Oviedo (January 2022)

“The result of the project were presented by the University of Oviedo at four scientific conference. Rodríguez-Muñiz, L.J., Muñiz-Rodríguez, L., Aguilar-González, Á., Alonso Castaño, M., Lombardero Ozores, A., y Lorenzo Fernández, E. (2022). Uso y elaboración de vídeos educativos para la enseñanza online. [Use and development of educational videos for online teaching]. XIV International Conference on Teaching Innovation: Advances and challenges for educational transformation.”

Module 1. Recording, editing and blending educational videos: OBS, OpenShot Editor and EdPuzzle

Module 1A. Recording and editing quality videoclips

Luis J. Rodríguez-Muñiz (luisj@uniovi.es)

Recording educational video clips is becoming a more useful tool within tertiary education. Video clips can be used as an external support for face-to-face lessons but also for organizing a flipped classroom. Recording is not so difficult, but some guidelines about how to record and edit clips are necessary in order to produce quality videos. There exist different software for this purpose, both with license and license-free.

Objectives


The goal of this module is to present some guidelines about quality standards in educational videos, and to introduce OBS, a free software to record videos.

Contents

- General guidelines about quality videos
- Specific guidelines about educational videos
- How to record videos with OBS: combining layers, presentations, voice, image, etc.
- How to edit videos with OpenShot Editor: reducing, enlarging quality, removing fragments, adding effects, etc.

Free online course - Teaching and academic writing in English (March 2022)

“Free course - Teaching and academic writing in English, is realized for teachers and associates of the Faculty of Sciences, within the regular activities of the Erasmus+ project TeComp - Strengthening Teaching Competences in Higher Education in Natural and Mathematical Sciences. The last two sessions were held live and were intended to defend homework.”



BESPLATAN ONLINE KURS ENGLESKOG JEZIKA

Kome je kurs namenjen?

Usavršavanju nastavnik kompetencija **nastavnika i saradnika prirodnih nauka i matematike**.

Kako je kurs koncipiran?

Kurs će se sastojati iz **šest sesija**. Svaka sesija će biti u trajanju **od tri školska časa** (po 45 minuta)

Koji su termini održavanja kursa?

Sesije će biti održavane u terminu **od 18:00h do 20:30h** datumima:

- 4. mart 2022. god.
- 9. mart 2022. god.
- 11. mart 2022. god.
- 15. mart 2022. god.
- 18. mart 2022. god.
- 23. mart 2022. god.

Ko su predavači na kursu?

Predavači na kursu biće sa Filozofskog fakulteta u Nišu:

- **Biljana Mišić Ilić**, redovni profesor
- **Jasmina Đorđević**, vanredni profesor
- **Nikola Tatar**, nastavnik stranog jezika

Kako se prijaviti?

Svi zainteresovani, mogu se prijaviti na mail: **tecomp.p2018@gmail.com**

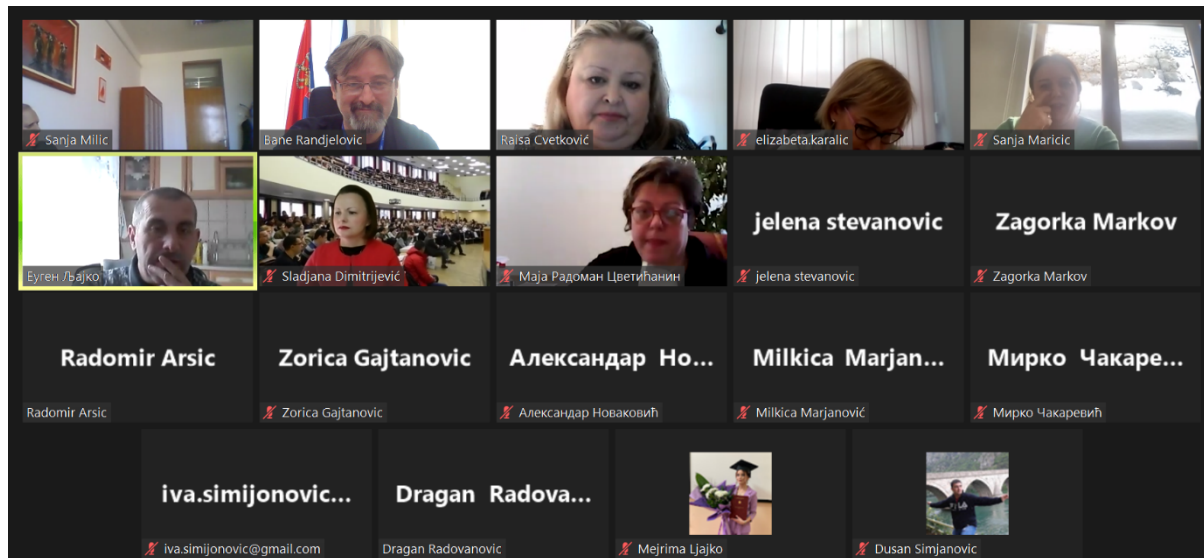
Za prijavu na kurs nije potrebno polagati nikakav ulazni test.

I još?


Nakon 6 online sesija, biće organizovane i dve sesije posvećene **mikronastavi i pisanju sažetka**. Ove sesije će biti organizovane uživo u: Nišu, Kragujevcu, Novom Sadu i Beogradu.

TeComp reaches science conference Leposavic (march 2022)


Our member, Slađana Dimitrijević, participated in an online science conference held by the University of Leposavić about the impact of COVID-19 on education, and digital and online classes.



You are viewing Слађана Димитријевић's screen View Options



Промене у настави у
високом образовању?



Лепосавић, Србија, 4. март 2022. године

View

Слађана Димитријевић

Bane Randjelovic

Sanja Milic

Sanja Milic

Raisa Cvetkovic

Ana Tošković

Announcement of Ostrava and Oviedo training in Nis (March 2022)

“Information published on the website of the Faculty of Science and Mathematics in Niš, about Training in the use of modern technologies in teaching”

The training on the use of modern technologies in teaching was realized for teachers and associates of the Faculty of Sciences, within the regular activities of the Erasmus+ project TeComp – Strengthening Teaching Competences in Higher Education in Natural and Mathematical Sciences.

The training will be held by professors from Oviedo, Spain and Ostrava, Czech Republic, live in Nis in the period from 28.3. to 1.4. 2022.

Here are the links to short videos presented to professors from Spain:

<https://youtu.be/zW0mQrrTark>

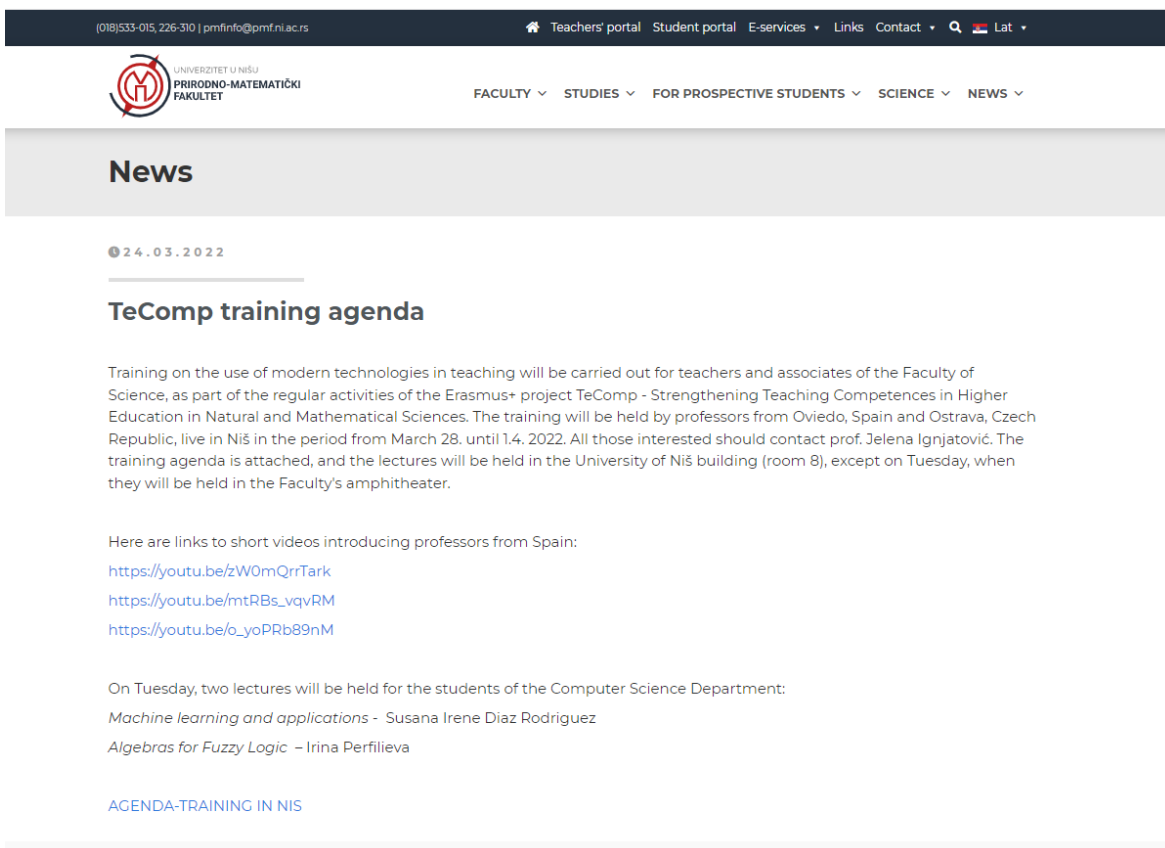
https://youtu.be/mtRBs_vqvRM

https://youtu.be/o_yoPRb89nM

Two lectures were given to students of the Department of Computer Science:

Machine learning and applications – Susana Irene Diaz Rodriguez

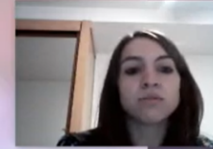
Algebras for Fuzzy Logic – Irina Perfilieva .



The screenshot shows the website of the Faculty of Science and Mathematics in Niš. The header includes contact information (018)533-015, 226-310 | pmfinfo@pmf.ni.ac.rs and navigation links for Teachers' portal, Student portal, E-services, Links, Contact, and a search bar. The main navigation menu lists FACULTY, STUDIES, FOR PROSPECTIVE STUDENTS, SCIENCE, and NEWS. The 'News' section is active, displaying a date of 24.03.2022 and a headline 'TeComp training agenda'. The text of the news item describes the training on modern technologies in teaching, organized by the Erasmus+ project TeComp. It mentions that the training will be held by professors from Oviedo, Spain and Ostrava, Czech Republic, in Nis from March 28 to April 1, 2022. It also provides links to short videos introducing the professors from Spain. Finally, it states that two lectures will be held for students of the Computer Science Department on Tuesday: 'Machine learning and applications' by Susana Irene Diaz Rodriguez and 'Algebras for Fuzzy Logic' by Irina Perfilieva. The news item is titled 'ACENDA-TRAINING IN NIS'.

Why is **audiovisual content** so important?

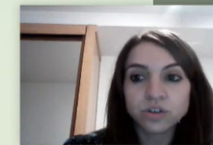
- is becoming a **powerful tool** in the teaching and learning process.
- can be used not only as an external support in **face-to-face teaching** but also for organizing an **online or blended learning** setting.
- helps to keep **students' attention** and to **understand some disciplinary contents**.



0:38 / 4:07

Objectives

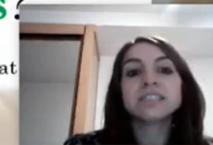
- **Identifying** which audiovisual element (image, audio, video...) is the most appropriate on each occasion.
- **Searching, designing and editing** each type of audiovisual content with the most convenient software.



2:47 / 4:07

How does this apply to **teachers**?

- They must be able to **search and design audiovisual content** that support their teaching and assist students' learning.
- The **quality** of the audiovisual content also influences the learning process.
- Some **guidelines** about where to **search and select** (in case they already exist) or how to **design and edit** audiovisual content are necessary.
- Different **software** can be used for this purpose.



1:44 / 4:07

International conference FSTA (April 2022)

“Few lectures at the international conference FSTA 2022 in Liptovský Ján on 31st January 2022 and 1st April 2022 have been organised, where modern approaches and IT technologies related to the TeComp have been disseminated: Petra Murinová – Distribution, Quality and Quantity rules for logical syllogisms and Irina Perfilieva – Graph functions similarity determined by preimage problem”





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

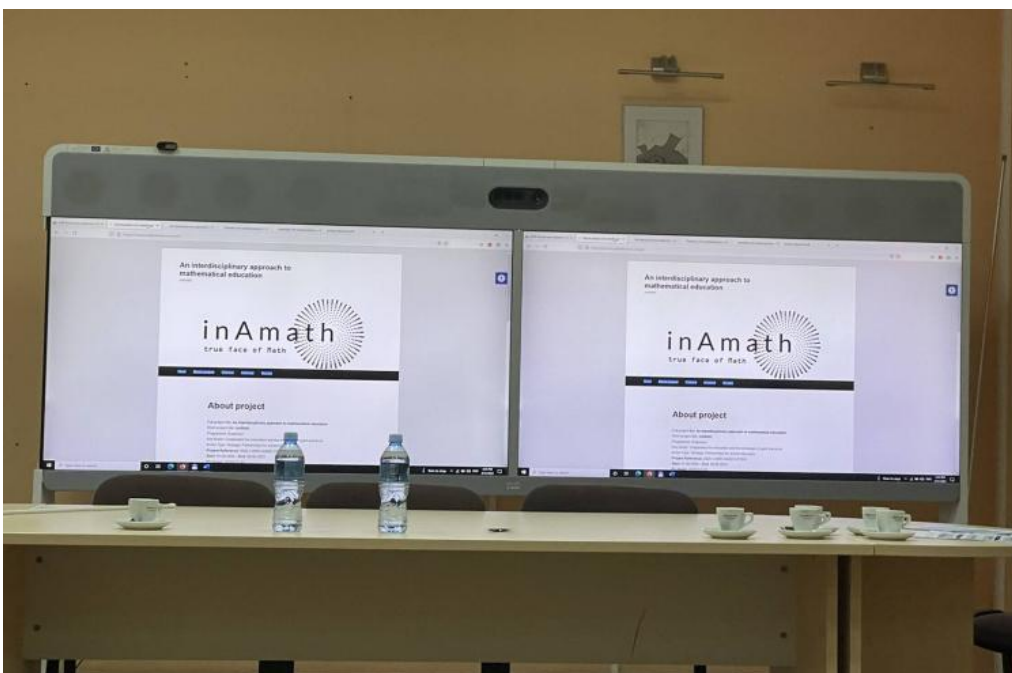
Co-funded by the
Erasmus+ Programme
of the European Union



Inter-project coaching, In a Math (April 2022)

“Ivana Stajner-Papuga presented InAmath project at University of Ni. The representatives from both projects presented to participants of the event their achievements, good practice were exchanged and problems shared.”

http://www.tecomp.ni.ac.rs/download/Interproject_coaching-InAmath-TeComp-Nis.docx.pdf





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

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





University of Kragujevac local training (April 2022)

<https://drive.google.com/file/d/1Nbm0cUFwLWT-kfgljitYf4GBIQzWiYq1/view>



The Belle Amie TV interview (April 2022)

“Dr Jelena Ignjatović from The faculty of Mathematics and Natural Sciences, coordinator of the TeComp project, and Dr Slađana Dimitrijević from The Faculty of Science in Kragujevac were interviewed about TeComp and the importance of quality of education.”

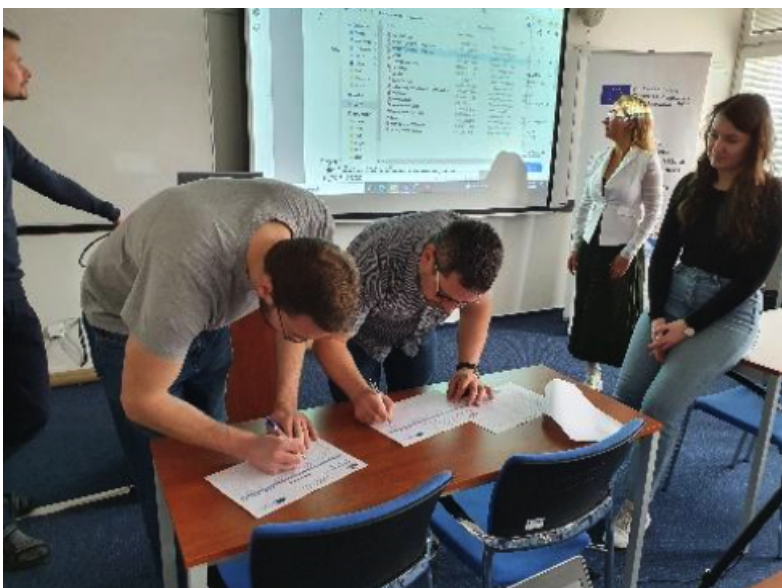
https://drive.google.com/file/d/1VQBw_dFrcCA13NWu893FgN0XxVD71baK/view






The University of Ostrava organizes workshops within the ERASMUS+ project (April 2022)

“On April 21, 2022, two workshops Workshop on innovative teaching and learning methodologies and Workshop on pedagogical approaches will be held in room C610 in building C of the University of Ostrava from 9:30 a.m. as part of the ERASMUS+ Strengthening Teaching Competences in Higher Education in Natural and Mathematical Sciences project.”



General trade fair Albania-Greece (April 2022)

“The Career and Alumni Counseling Office at UGJ presented a summary of the scientific works, activities of the institution and academic offer.”

**Universiteti "Eqrem Çabej" Gjirokastrë - Faqja Zyrtare**
April 29, 2022 · 🌐

UGJ është bërë pjesë e Panairit të Përgjithshëm Tregëtar Shqipëri - Greqi.

Zyra e Këshillimit të Karrierës dhe Alumnit në UGJ është bërë pjesë e këtij bashkëpunimi me Dhomën e Tregëtisë Gjirokastrë.

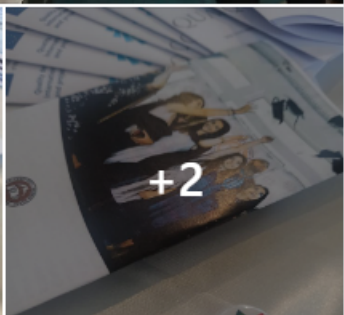




Përfaqësues të Zyrës dhe studentë të UGJ-së kanë prezantuar në panairin e përbashkët shqiptaro - grek një përmbledhje të punimeve shkencore, aktiviteteve të institucionit dhe ofertën tonë akademike.

UGJ has become part of the Albania - Greece General Merchant Fair.

The Office of Career and Alumni Counseling at UGJ has become part of this cooperation with the Gjirokastra Chamber of Commerce.

Office representatives and UGJ students have presented at the joint Albanian-Greek fair a summary of scientific work, institution activities and our academic offer.

⚙ · [Hide Translation](#) · [Rate this translation](#)



Exhibition of teaching and promotional material at all Universities in Serbia (April 2022)

“At all Universities in Serbia, promo material printed for the needs of the TeComp project was distributed, namely brochures, planners, umbrellas, backpacks. Four copies of each item are stored in the archives of the University of Niš..”







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

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



Europe Week at ECUG (May 2022)

“Europe Week organized in Vlora on 6th May 2022. ECUG participated with a stand, disseminating projects cofounded by Erasmus+, among which TECOMP project.”





Universiteti "Eqrem Çabej" Gjirokastrë - Faqja Zyrtare

May 6, 2022 · 🌐

...

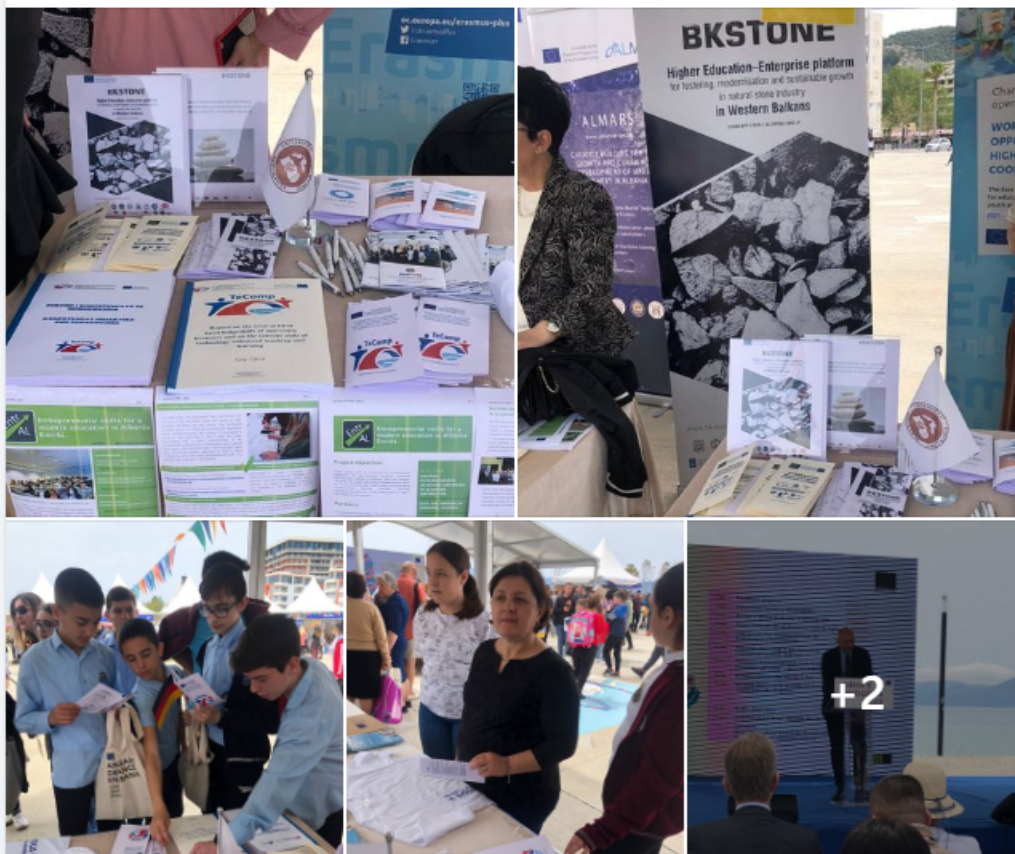
UGJ është bërë pjesë e festimeve për Javën e Evropës në Vlorë.

Në stendën e Erasmus+, Universiteti i Gjirokastrës prezantoi projektet ongoing dhe produktet e projekteve të përfunduara të bashkëfinancuara nga BE dhe Erasmus+ .

Stenda u vizitua nga pjesëmarrësit, të cilët treguan interes për bashkëpunime në të ardhmen.

[#javaeuropes](#) [#ErasmusPlus](#) [#UGJ](#)

See Translation



👍 44

1 share



Like



Comment



Share



Presentation of TECOMP and other projects to the delegation headed by Ambassador Luigi Sorec (May 2022)

“The University of Gjirokastra has been one of the most important stations where EU Ambassador Luigi Soreca, accompanied by the Austrian Ambassador, stopped during his visit to Gjirokastera, within the framework of activities organized for Weeks of Europe.

Ambassador Soreca was welcomed by the rector of UGJ prof. Dr. Bektash Mema and vice principal prof. associate. Valbona Duri.

In his welcome speech, Rector Mema gave a panorama of the positive results this institution has had thanks to the implementation of EU projects - and the cooperation over the years of the University of Gjirokastra with European universities.

EU projects have been part of the University of Gjirokastra for many years, bringing positive changes to our institution. The Erasmus Projects, which I would describe as the Erasmus era, are an excellent project that has served students and educators in their professional growth.

“



Universiteti "Eqrem Çabej" Gjirokastrë - Faqja Zyrtare

May 6, 2022 · 🌐

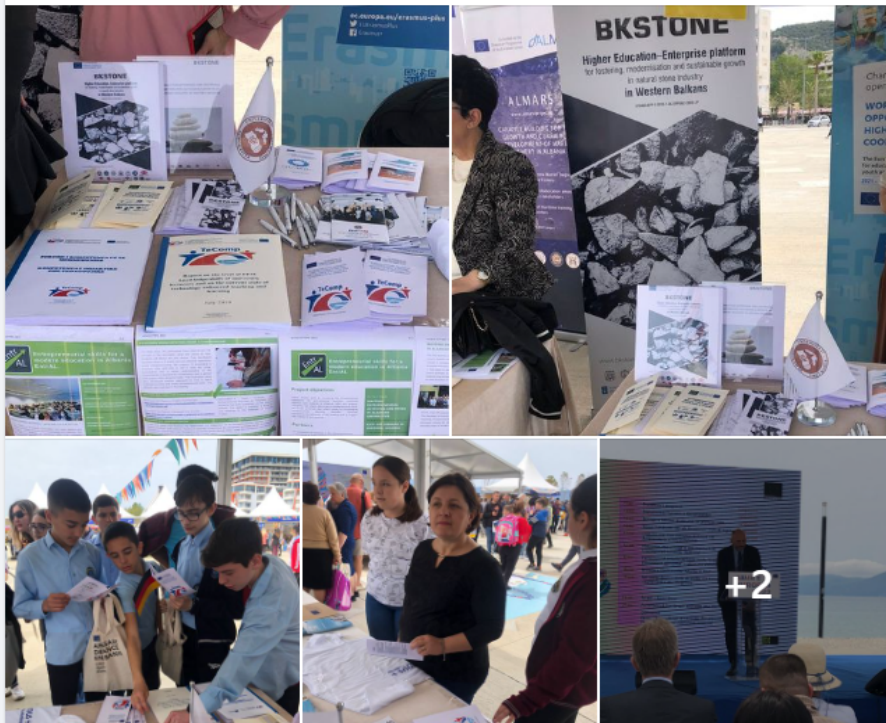
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[#javaeuropes](#) [#ErasmusPlus](#) [#UGJ](#)

See Translation



👍 44

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💬 Comment

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An interview, for a local channel, of the Vice/Rector, Prof. Jaho Canaj on the projects of ECUG (June 2022)

<https://www.youtube.com/watch?v=7rtySNjoou8>



TECOMP PROJECT AT THE UNIVERSITY OF GJIROKASTRA (June 2022)

“TECOMP meeting organized at the premises of “Eqrem Cabej” University during 13-17 June 2022.

Within the framework of the TECOMP Project, the next meeting with the participation of national and international partners from Korca, Serbia, Slovakia, Spain, Belgium was organized at the premises of Eqrem Cabej University during the period 13-17 June.

The project aims to develop teaching skills in natural sciences and mathematics through designing training modules for academic staff.

Also within the project, the KeyLearning platform has been created, which will enable students to benefit from the facilities offered by online learning.

At the meeting, the partners discussed the work done so far and the tasks to be accomplished until the completion of the project.”







Universiteti "Eqrem Çabej" Gjirokastrë - Faqja Zyrtare

June 20, 2022 · 🌐

Në kuadër të Projektit TECOMP, u organizua në ambientet e Universitetit "Eqrem Çabej" gjatë periudhës 13 -17 qershor, takimi i radhës me pjesëmarrjen e partnerëve kombëtarë e ndërkombëtarë nga Korça, Serbia, Sllovakia, Spanja, Belgjika.

Projekti synon të zhvillojë aftësitë e mësimdhënies në shkencat natyrore dhe matematikore përmes hartimit të moduleve të trajnimit për stafin akademik.

Gjithashtu në kuadër të projektit është krijuar platforma KeyLearning e cila do t'u mundësojë studentëve të përfitojnë nga lehtësitë që ofron mësimi online.

Në takim partnerët diskutuan për punën e bërë deri tani dhe detyrat që duhet të përmbushen deri në përfundim të projektit.

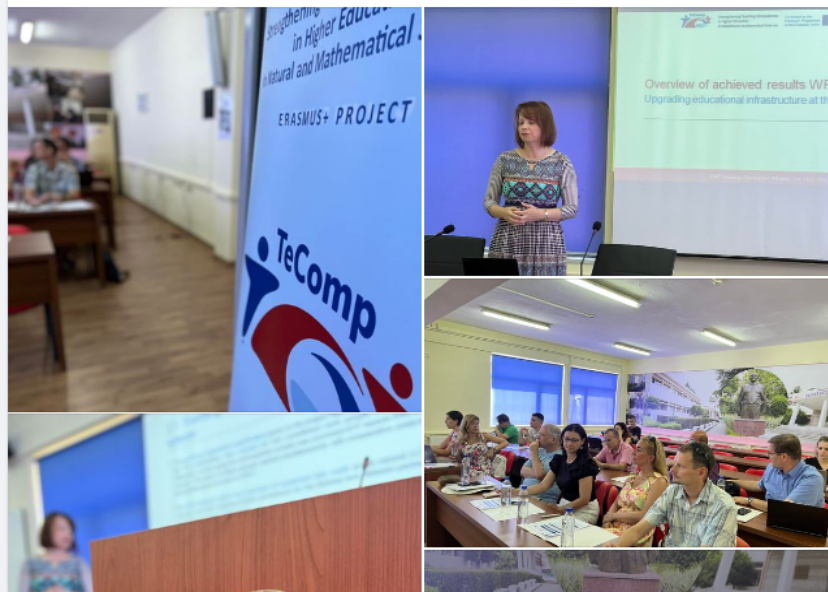
Within the framework of the TECOMP Project, the next meeting with the participation of national and international partners from Korça, Serbia, Slovakia, Spain, Belgium was organized at the premises of Eqrem Çabej University during the period 13-17 June.

The project aims to develop teaching skills in natural sciences and mathematics through designing training modules for academic staff.

Also within the project, the KeyLearning platform has been created, which will enable students to benefit from the facilities offered by online learning.

At the meeting, the partners discussed the work done so far and the tasks to be accomplished until the completion of the project.

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

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universiteti_i_gjirokastrës • Follow ...



universiteti_i_gjirokastrës Në kuadër të Projektit TECOMP, u organizua në ambientet e Universitetit "Eqrem Cabej" gjatë periudhës 13 -17 qershor, takimi i radhës me pjesëmarrjen e partnerëve kombëtarë e ndërkombëtarë nga Korça, Serbia, Sllovakia, Spanja, Belgjika.

Projekti synon të zhvillojë aftësitë e mësimit në shkencat natyrore



52 likes

JUNE 20, 2022



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Post




7 presentations about the results of the project by University of Oviedo (March to September 2022)


- “1. Presentation addressed to teachers in the Faculty of Teacher Training and Education, University of Oviedo. March 15, 2022. 23 participants*
- 2. Presentation addressed to teachers in the Faculty of Teacher Training and Education, University of Oviedo. March 16, 2022. 14 participants.*
- 3. Presentation addressed to teachers in the Faculty of Sciences, University of Oviedo. April 15, 2022, 12 participants.*
- 4. Presentation addressed to teachers in the School of Computer Science, University of Oviedo. April 18, 2022. 7 participants.*
- 5. Presentation addressed to students in the Faculty of Teacher Training and Education, University of Oviedo. September 14, 2022. 45 participants.*
- 6. Presentation addressed to students in the Faculty of Sciences, University of Oviedo. September 19, 2022. 21 participants.*
- 7. Presentation addressed to teachers in the School of Computer Science, University of Oviedo. September 20, 2022. 13 participants.”*




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UNIVERSIDAD DE OVIEDO



Universidad de Oviedo
Universitat d'Oviedo
University of Oviedo





VÍDEOS EDUCATIVOS COMO INSTRUMENTO PARA DESARROLLAR EL CONOCIMIENTO ESPECIALIZADO DEL PROFESORADO DE MATEMÁTICAS

*I Congreso Internacional de
Transformación Digital
en Entornos de Aprendizaje
Mayo, 2021*



UNIVERSITAT
POLITECNICA
DE VALÈNCIA

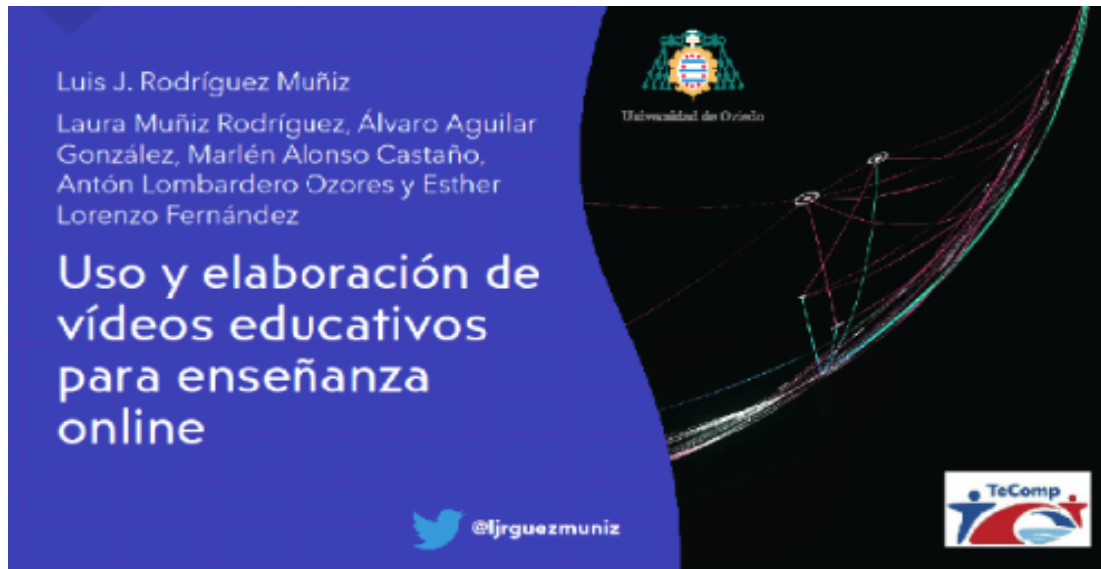
IN-RED 2021
13, 14 y 15 Julio • Valencia

VII CONGRESO DE INNOVACIÓN EDUCATIVA Y DOCENCIA EN RED

Mejora de la motivación hacia la didáctica de la matemática y desarrollo de la
competencia docente de los estudiantes para maestro a partir de una experiencia de
m-learning

LAURA MUÑOZ-RODRÍGUEZ, ESTHER LORENZO-FERNÁNDEZ, ÁLVARO AGUILAR GONZÁLEZ

Universidad de Oviedo



Signed inter-institutional agreement, University of Oviedo and University of Novi Sad (September 2022)

“Another TeComp dissemination, but also sustainability activity was signed Inter-institutional agreement 2021-2023 between the University of Novi Sad and University of Oviedo regarding the exchange of students and/or staff in the context of the Erasmus+ programme”

Erasmus+ Programme

Inter-institutional agreement 2021-2023

The institutions named below agree to cooperate for the exchange of students and/or staff in the context of the Erasmus+ programme. They commit to respect the quality requirements of the Erasmus Charter for Higher Education in all aspects related to the organisation and management of the mobility, in particular the recognition of the credits awarded to students by the partner institution.

A. Information about higher education institutions

Name of the institution	Erasmus code	Contact details	Website
University of Oviedo	E OVIEDO01	Prof. Jorge Jiménez Meana Email: jmjeana@uniovi.es Phone: +34985162474, +34973474657 Departamento de Matemáticas Office 2.10.7, Edificio Polivalente de Viesques, C/ Luis Ortiz Berrocal s/n Campus de Gijón, 33203-Gijón, SPAIN	http://www.uniovi.es/inter-institucional/extranjeros
University of Novi Sad Faculty of Sciences	RS NOVISA02	UNS Institutional Coordinator Ivana Vujkov Head of IRO Dr Zorana Rindić 1, 21000 Novi Sad Tel: +381 21 485 20 16 Fax: +381 21 485 20 32 iro@uns.ac.rs Faculty of Sciences Institutional Coordinator Gordana Vlahović Head of IRO Trg Dositeja Obradovića 3, 21000 Novi Sad erasmus@pmf.uns.ac.rs	General University page: www.uns.ac.rs/index.php/en/ /ro https://www.pmf.uns.ac.rs/en/ https://www.course-catalogue.uns.ac.rs/en/pmf

ACCEPTED:

The partners commit to amend the table below in case of changes in the mobility data by no later than the end of January in the preceding academic year.

B. Mobility numbers per academic year

Faculties	TO	Subject area	Subject area name	Study cycle	Number of student mobility periods	Student Mobility
-----------	----	--------------	-------------------	-------------	------------------------------------	------------------

RS NOVISA02	UNS incoming.erasmus@uns.ac.rs +381 21 485-2016 +381 21 485-2017 +381 21 485-2032 Faculty of Sciences: erasmus@pmf.uns.ac.rs	https://www.uns.ac.rs/index.php/en/
-------------	---	---



4. Housing

The receiving institution will guide incoming mobile participants in finding accommodation, according to the requirements of the Erasmus Charter for Higher Education.

Information and assistance can be provided by the following persons and information sources:

Institution	Contact details	Website for information
E OVIEDO01	inter.accom@uniovi.es	http://www.uniovi.es/vida/alojamiento
RS NOVISA02	UNS incoming.erasmus@uns.ac.rs +381 21 485-2016 +381 21 485-2017 +381 21 485-2032 Faculty of Sciences: erasmus@pmf.uns.ac.rs	https://www.uns.ac.rs/index.php/en/

G. SIGNATURES OF THE INSTITUTIONS (legal representatives)

Institution	Name, function	Date	Signature
E OVIEDO01	Jesús Daniel Santos Rodríguez Vicerrector de Internacionalización	26/10/2021	
RS NOVISA02	Prof. Dr. Dejan Madić Rector		

E OVIEDO01	RS NOVISA02	0541	Mathematics	1 x 5 days	1 x 5 days
RS NOVISA02	E OVIEDO01	0541	Mathematics	1 x 5 days	1 x 5 days

1. Recommended language skills

The sending institution, following agreement with the receiving institution, is responsible for providing support to its nominated candidates so that they can have the recommended language skills at the start of the study or teaching period:

Receiving institution	Optional subject area	Language of instruction 1	Language of instruction 2	Recommended language of instruction level for Student Mobility for Studies	Staff Mobility for Teaching
E OVIEDO01		Spanish	English	B1	B2
RS NOVISA02		Serbian	English	B2 English	B2 English

For more details on the language of instruction recommendations, see the course catalogue of each institution (*Links provided on the first page*).

D. Additional requirements

E OVIEDO01: Infrastructure to welcome students and staff with disabilities at Universidad de Oviedo: <http://www.uniovi.es/recursos/oneo>

RS NOVISA02: Any additional or special requirements of mobile participants will be discussed on a case-by-case basis.

E. Calendar

1. Applications/Information on nominated students must reach the receiving institution by:

Receiving institution	Autumn term (month)	Spring term (month)
E OVIEDO01	Nomination deadline 30 th May Application deadline 30 th June	Nomination deadline 15 th November Application deadline 15 th December
RS NOVISA02	June 30	November 30

This Collaboration Agreement may be terminated on the following grounds:

- End of the stipulated period of validity.
- Mutual agreement between the parties.
- Written notice of termination with 6 months in advance, provided the termination shall not become effective until the end of the stay of the students enrolled in both institutions on the date of notification.

F. Information

1. Grading systems of the institutions

E OVIEDO01:

<http://www.uniovi.es/en/internacional/extranjeros/estudiar>

RS NOVISA02:

<https://www.uns.ac.rs/index.php/en/international-cooperation/students-exchange/academic-credit-system>

2. Visa

The sending and receiving institutions will provide assistance, when required, in securing visas for incoming and outbound mobile participants, according to the requirements of the Erasmus Charter for Higher Education.

Information and assistance can be provided by the following contact points and information sources:

Institution	Contact details	Website for information
E OVIEDO01	inter.incomina@uniovi.es	http://www.uniovi.es/en/internacional/extranjeros/p/lanifica/formalizacion
RS NOVISA02	UNS incoming.erasmus@uns.ac.rs +381 21 485-2016 +381 21 485-2017 +381 21 485-2032 Faculty of Sciences: erasmus@pmf.uns.ac.rs	https://www.uns.ac.rs/index.php/en/

3. Insurance

The sending and receiving institutions will provide assistance in obtaining insurance for incoming and outbound mobile participants, according to the requirements of the Erasmus Charter for Higher Education.

The Eruonews Serbia interview (September 2022)

“Tecom general project manager Jelena Ignjatović talked about the significance, realization, and sustainability of the Tecom project, and also the impact it had with Serbian and Albanian universities that participated in enhancing their education competence.”

http://www.tecomp.ni.ac.rs/wp-content/uploads/2022/10/JUTRO_LJILJA_PAVLOVIC_15092022.mp4



Awarding of certificates (September 2022)

“As part of the workshop held during September in Nis, certificates were also awarded for the participants of the English language course and the previously held pedagogical methods course.”



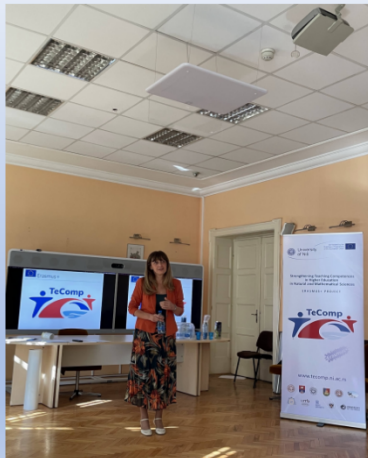


Inter-project coaching (September 2022)

“A very useful and significant part of the empowerment of the TeComp project was Inter-project cocaching. Tatjana Anđelković spoke about TeComp Sustainability - How to keep TeComp results and relationships relevant after the project life? Tatjana Anđelković was the head of the Erasmus+ project called NetChem. Some of the results of the Erasmus+ project, called Swarm, were presented Milan Gocić, who is the coordinator of the Swarm project.”

http://www.tecomp.ni.ac.rs/download/Photo_album_Inter-project-coaching-1.pdf

Inter-project coaching: SWARM, NETCHEM and TeComp Niš, September 15th, 2022



Inter-project coaching: SWARM, NETCHEM and TeComp Niš, September 15th, 2022



Awarding a cup to the Project superman (September 2022)

“TeComp is one of the few projects that had a chance to go through very strange circumstances during its life, including Covid 19 pandemic and Russia/Ukraine conflict. The consortium members went through many hardships together, and through hard work and coordination, but their will and persistence prevailed. In most of the hard situations, there was a common occurrence: One man always came to save the day! When the consequences seemed to be dire, he put on his signature smile and solve it in a flash. For his hard and passionate work, we today have to commend our “Superman”: Ardian Cerava”





Conference in Čačak (September 2022)

“Developing Teaching Competencies for Implementing Blended Learning in Higher Education: Experiences of Faculty of Science, University of Kragujevac”

<http://www.tecomp.ni.ac.rs/download/Prezentacija-za-konferenciju-TIE-2022.pptx.pdf>



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Blended Learning

- A teaching model – combining the best aspects of traditional face-to-face teaching and the online interactive teaching, using suitable digital and communication technologies



TIE 2022, Čačak, Serbia, September 17th, 2022




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Developing Teaching Competencies for Implementing Blended Learning in Higher Education: Experiences of Faculty of Science, University of Kragujevac

Ana Kaplarević-Mališić, Slađana Dimitrijević, Ivana Radojević, Milan Kovačević
University of Kragujevac, Faculty of Science, Serbia

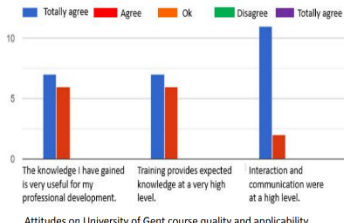
TIE 2022, Čačak, Serbia, September 16-18th, 2022



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Educational interaction and communication - Gent



Attitudes on University of Gent course quality and applicability

- Highly rated with an average mark of 4,85, on a scale from 1 to 5.
- 69,2% - very satisfied with the training organization and structure.
- 30,8% said that they plan to participate in similar training in the future, while 69,2% stated that they will probably participate.

TIE 2022, Čačak, Serbia, September 17th, 2022

SCHOOL ON INFORMATION NOISE AND PHYSICS OF LIFE, SPECIAL SESSION ON KNOWLEDGE SHARING AND SUSTAINABLE NETWORKING (September 2022)

"The international summer school, "School on Information, Noise, and Physics of Life", which was organized in collaboration between ICTP (Trieste, Italy), MISANU (Belgrade, Serbia) and PMF (Niš, Serbia), from September 19 to September 30 in Niš (Serbia) achieved a great success. Apart from the high-quality knowledge exchange, one of the greatest achievements of this school could be seen in efficient networking between participants and the local community. This special session, organized in a hybrid format as a set of lightning talks, aims to support and strengthen established connections and to foster future collaborations and interactions, towards sustainable growth of the established research network.

Project manager Jelena Ignjatović gave a lecture at the meeting titled "How to keep TeComp project results and relationships sustainable after the project life?". She presented the achievements of the TeComp project to guests around the world, as well as discussed further cooperation and dissemination of the project."

<https://indico.ictp.it/event/9826/>



The Abdus Salam
International Centre
for Theoretical Physics




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School on Information, Noise, and Physics of Life | (smr 3736)

Starts 19 Sep 2022
Ends 30 Sep 2022
Central European Time

Nis - Serbia

Complex signals are ubiquitous in non-equilibrium physics, biophysical processes, and in the noise of measurement devices.

The school will provide advanced tools from information theory, statistical physics and machine learning to offer participants key knowledge on stochastic analysis and modelling.

Topics:

- Control theory
- Entropy foundations
- Mean field theory and inference methods
- Information theory
- Biophysics
- Stochastic thermodynamics

Lecturers:

Ada ALTIERI (Paris Diderot University, France) -- online --
Andre C. BARATO (University of Houston, USA) -- online --
John BECHHOEFER (Simon Fraser University, Canada)
Raphael CHETRIT (Universite Cote d'Azur, Nice, France)
Andjelka HEDRIH (Mathematical Institute of SASA, Belgrade, Serbia)
Jan KORBEL (Complexity Science Hub Vienna, Austria)
Jelena MANOJLOVIC (University of Nis, Serbia)
Juan MR PARRONDO (Universidad Complutense de Madrid, Spain)
Dimitri PETRITIS (University of Rennes, France) -- online --
Edgar ROLDAN (ICTP Trieste, Italy)
Iva TOLIC (R. Boskovic Institute Zagreb, Croatia) --online colloquium--

Volunteers: Bogdan Djordjević (MISANU, Belgrade, Serbia), Katarina Djordjević (PMF, University of Nis, Serbia)

Organizers

Raphael Chetrite (Universite Cote d'Azur, Nice, France),
Andjelka Hedrih (Mathematical Institute of SASA, Belgrade, Serbia),
Velimir Ilic (MISANU), Lazar Stojković (PMF, University of Nis, Serbia), ICTP Scientific Contact: Edgar Roldan (ICTP)

Co-sponsors




smr3736@ictp.it

smr3736@ictp.it






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in Higher Education
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19 - 30 September 2022
Nis, Serbia

Further information:
<http://indico.ictp.it/event/1824/>
ms72@ictp.it

Complex signals are ubiquitous in non-equilibrium physics, biophysical processes, and in the noise of measurement devices.

The school will provide advanced tools from information theory, statistical physics and machine learning to offer participants key knowledge on stochastic analysis and modelling.

Topics:

- Control theory
- Entropy foundations
- Mean field theory and inference methods
- Information theory
- Stochastic thermodynamics
- Biophysics

Directors:

Veljko Be
(Theoretical Institute of SABA, Belgrade, Serbia)

Angelika Heuß
(Theoretical Institute of SABA, Belgrade, Serbia)

Raphael Chazotte
(Université Côte d'Azur, Nice, France)

ICTP Scientific Contact:

G. Bouda (ICTP)

Speakers:

- Ada ALZER (Paris Saclay University, France) - online
- André A. BARATO (University of Houston, USA) - online
- ANDRÉ SCHÖPFER (Simon Fraser University, Canada)
- DAN KRUMHOLTZ (Complexity Science Hub, Vienna, Austria)
- JORINA MANDALJAC (University of Rij, Serbia)
- JUAN MI PALOMARCO (International Commission on Health, Spain)
- DIMITRI PETRESCU (University of Buenos Aires) - online
- IVO TOUL (Charles Beaudou Institute Zagreb, Croatia) - online contribution

Volunteers:





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THE VISIT OF THE RECTOR OF THE UNIVERSITY OF NIS TO THE RECTOR OF THE UNIVERSITY OF OVIEDO (October 2022)

“As part of the last activities on the project “Strengthening Teaching Competences in Higher Education in Natural and Mathematical Sciences – TeComp”, the rector of the University of Nis, Prof. dr Dragan Antic, visited Oviedo, where he met with the Rector of University of Oviedo, Prof. dr Ignacio Villaverde Menendez.

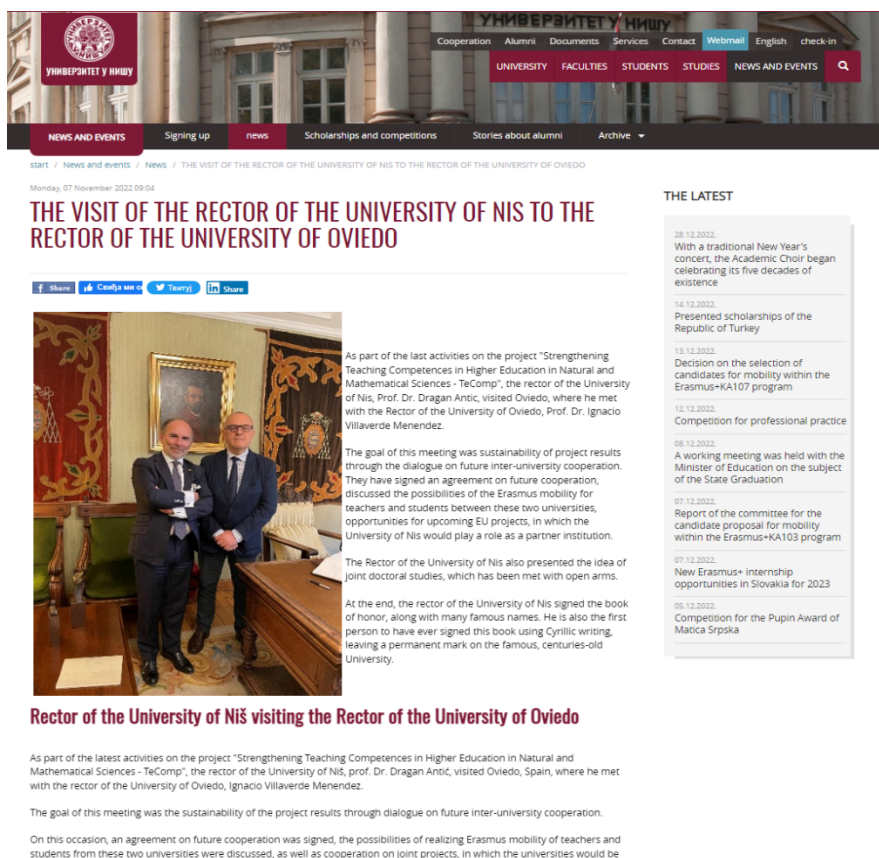
The goal of this meeting was sustainability of project results through the dialog on future inter-university cooperation. They have signed an agreement on future cooperation, discussed on the possibilities of the Erasmus mobility for teachers and students between these two universities, opportunities for upcoming EU projects, in which the University of Nis would play a role as a partner institution.

The Rector of the University of Nis also presented the idea of joined doctoral studies, which has been met with open arms.

At the end, the rector of the University of Nis signed the book of honor, along with many famous names. He is also the first person to have ever signed this book using Cyrillic writing, leaving a permanent mark on the famous, centuries old University.

”

<https://www.ni.ac.rs/novosti-i-dogadjaji/vesti/rektor-univerziteta-u-nisu-u-poseti-rektoru-univerziteta-u-oviedu>



The screenshot shows a news article on the University of Nis website. The article title is "THE VISIT OF THE RECTOR OF THE UNIVERSITY OF NIS TO THE RECTOR OF THE UNIVERSITY OF OVIEDO". The article text describes the visit of Prof. dr Dragan Antic to Oviedo, where he met with Prof. dr Ignacio Villaverde Menendez. It mentions the signing of an agreement on future cooperation and the discussion of Erasmus mobility opportunities. A photo shows the two rectors standing in front of a building. The article is dated Monday, 07 November 2022 09:04. The website header includes navigation links like "Cooperation", "Alumni", "Documents", "Services", "Contact", "Webmail", "English", and "check in". The footer includes social media links and a "Share" button.





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Learning Key platform at ECUGre (October 2022)

“LearninKey – The team discussed about the continuation of the use of the platform to support face-to-face teaching/learning during the academic year 2022-2023. The inclusion of the Online LearningKey platform, a platform built by partner universities, during the 2022-2023 academic year, helping students and educators during in-person learning, has been the topic of the meeting held at UGJ with the working group, as part of the TECOMP project.”

<https://www.facebook.com/100035320284422/posts/pfbid0dMmRQnmZUESR31h9ntrv2TwoeEgyLeziBsA5w69h3wpV1DnSLgZF4XTdGnTWVj3Jl/>


Universiteti "Eqrem Çabej" Gjirokastrë - Faqja Zyrtare
 October 9, 2022 · 🌐

Përfshirja e platformës online LearningKey, platformë e ndërtuar nga universitetet partnere, gjatë vitit akademik 2022-2023, në ndihmë të studentëve dhe pedagogëve gjatë mësimit në person, ka qenë tema e takimit të zhvilluar në UGJ me grupin e punës, në kuadër të projektit TECOMP.

Projekti TECOMP ka hyrë tashmë në fazën përfundimtare të tij.

Qëndrueshmëria dhe vënia në efikasitet e produkteve të tij edhe pas përfundimit të projektit është detyrim për të gjitha institucionet partnere.

The inclusion of the Online LearningKey platform, a platform built by partner universities, during the 2022-2023 academic year, helping students and educators during in-person learning, has been the topic of the meeting held at UGJ with the working group, as part of the TECOMP project.

The TECOMP project has already entered its final phase.

The durability and efficiency of its products even after the completion of the project is a must for all partner institutions.

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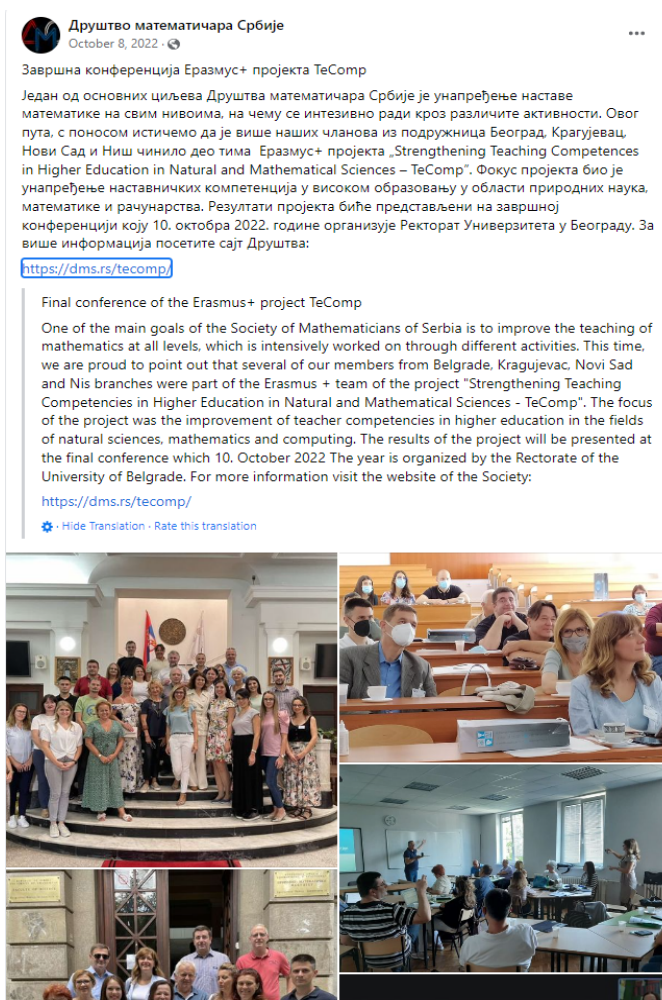
Information about the final conference on the Facebook page of the Association of Mathematicians of Serbia (October 2022)

“Final conference of the Erasmus+ project TeComp

One of the main goals of the Society of Mathematicians of Serbia is to improve the teaching of mathematics at all levels, which is intensively worked on through different activities. This time, we are proud to point out that several of our members from Belgrade, Kragujevac, Novi Sad and Nis branches were part of the Erasmus + team of the project "Strengthening Teaching Competencies in Higher Education in Natural and Mathematical Sciences - TeComp". The focus of the project was the improvement of teacher competencies in higher education in the fields of natural sciences, mathematics and computing. The results of the project will be presented at the final conference which 10. October 2022 The year is organized by the Rectorate of the University of Belgrade. For more information visit the website of the Society”

<https://dms.rs/tecomp/>

<https://dms.rs/tecomp/>



Друштво математичара Србије
October 8, 2022 · 🌐

Завршна конференција Еразмус+ пројекта ТеКомп

Један од основних циљева Друштва математичара Србије је унапређење наставе математике на свим нивоима, на чему се интензивно ради кроз различите активности. Овог пута, с поносом истичемо да је више наших чланова из подружница Београд, Крагујевац, Нови Сад и Ниш чинило део тима Еразмус+ пројекта „Strengthening Teaching Competences in Higher Education in Natural and Mathematical Sciences – TeComp”. Фокус пројекта био је унапређење наставничких компетенција у високом образовању у области природних наука, математике и рачунарства. Резултати пројекта биће представљени на завршној конференцији коју 10. октобра 2022. године организује Ректорат Универзитета у Београду. За више информација посетите сајт Друштва:

<https://dms.rs/tecomp/>

Final conference of the Erasmus+ project TeComp

One of the main goals of the Society of Mathematicians of Serbia is to improve the teaching of mathematics at all levels, which is intensively worked on through different activities. This time, we are proud to point out that several of our members from Belgrade, Kragujevac, Novi Sad and Nis branches were part of the Erasmus + team of the project "Strengthening Teaching Competencies in Higher Education in Natural and Mathematical Sciences - TeComp". The focus of the project was the improvement of teacher competencies in higher education in the fields of natural sciences, mathematics and computing. The results of the project will be presented at the final conference which 10. October 2022 The year is organized by the Rectorate of the University of Belgrade. For more information visit the website of the Society:

<https://dms.rs/tecomp/>

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Information about the final conference on the website of the Faculty of Sciences and Mathematics, University of Niš (October 2022)


*"The final conference of the Erasmus+ project **"Strengthening Teaching Competences in Higher Education in Natural and Mathematical Sciences - TeComp"** (598434-EPP-1-2018-1-RS-EPPKA2-CBHE-JP) will be held in the ceremonial hall of the Rectorate building of the University of Belgrade from October 9 to 11, 2022.*

The project deals with the modernization of teaching competencies in the field of natural sciences and mathematics, the application of modern pedagogical methods and IT technologies in teaching. It is intended for all higher education teachers who are interested in introducing new methods and ways of working in accordance with contemporary practice in Europe."

<https://www.pmf.ni.ac.rs/vesti/vest-detajli/?ido=3075>

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PRIRODNO-MATEMATIČKI
FAKULTET

FACULTY STUDIES FOR PROSPECTIVE STUDENTS SCIENCE NEWS

News

07.10.2022

The final conference of the Erasmus+ project "Strengthening Teaching Competences in Higher Education in Natural and Mathematical Sciences - TeComp"

The final conference of the Erasmus+ project **"Strengthening Teaching Competences in Higher Education in Natural and Mathematical Sciences - TeComp"** (598434-EPP-1-2018-1-RS-EPPKA2-CBHE-JP) will be held in the ceremonial hall of the Rectorate building of the University of Belgrade from October 9 to 11, 2022.

The project deals with the modernization of teaching competencies in the field of natural sciences and mathematics, the application of modern pedagogical methods and IT technologies in teaching. It is intended for all higher education teachers who are interested in introducing new methods and ways of working in accordance with contemporary practice in Europe.

We are pleased to invite you to attend the final conference on October 10, 2022, when the topics will be relevant for a wider audience. This will be an opportunity for those present to familiarize themselves with the results of the project, to start a discussion about guidelines and steps in further improving the quality of higher education teaching, as well as ways that would motivate teachers at universities in Serbia to adapt the way of teaching to modern opportunities and needs, not only in the field of natural sciences, but also beyond.

The conference program is attached.

On behalf of the University of Niš team
prof. Dr. Jelena Ignjatović,
project coordinator
Attachment

University of Granada on The Tecomp project's final conference (October 2022)

"The European project "Strengthening Teaching Competences in Higher Education in Natural and Mathematical Sciences-Tecomp", approved within the framework of the Erasmus+ 2018 call, has the general objective of improving the teaching and learning processes of mathematics and science teachers from various universities of Serbia and Albania. María C. Cañadas and Antonio Moreno, from the Department of Mathematics Didactics of the University of Granada, participate in this project. The closing meeting of the project has taken place from October 9 to 11, 2022 at the University of Belgrade. Academics from several universities in Serbia, Albania, Slovakia, the Czech Republic and Spain, partners in the project, participated in the meeting. María C. Cañadas and Antonio Moreno have attended and participated in the closing meeting of the project."

<https://www.ugr.es/universidad/noticias/reunion-cierre-proyecto-erasmus-tecomp-universidad-belgrado>



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Closing meeting of the Erasmus+ TeComp project at the University of Belgrade

10/26/2022 [Present](#)

The European project "Strengthening Teaching Competences in Higher Education in Natural and Mathematical Sciences-Tecomp", approved within the framework of the Erasmus+ 2018 call, has the general objective of improving the teaching and learning processes of mathematics and science teachers from various universities of Serbia and Albania. María C. Cañadas and Antonio Moreno, from the Department of Mathematics Didactics of the University of Granada, participate in this project. The closing meeting of the project has taken place from October 9 to 11, 2022 at the University of Belgrade. Academics from several universities in Serbia, Albania, Slovakia, the Czech Republic and Spain, partners in the project, participated in the meeting. María C. Cañadas and Antonio Moreno have attended and participated in the closing meeting of the project.

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

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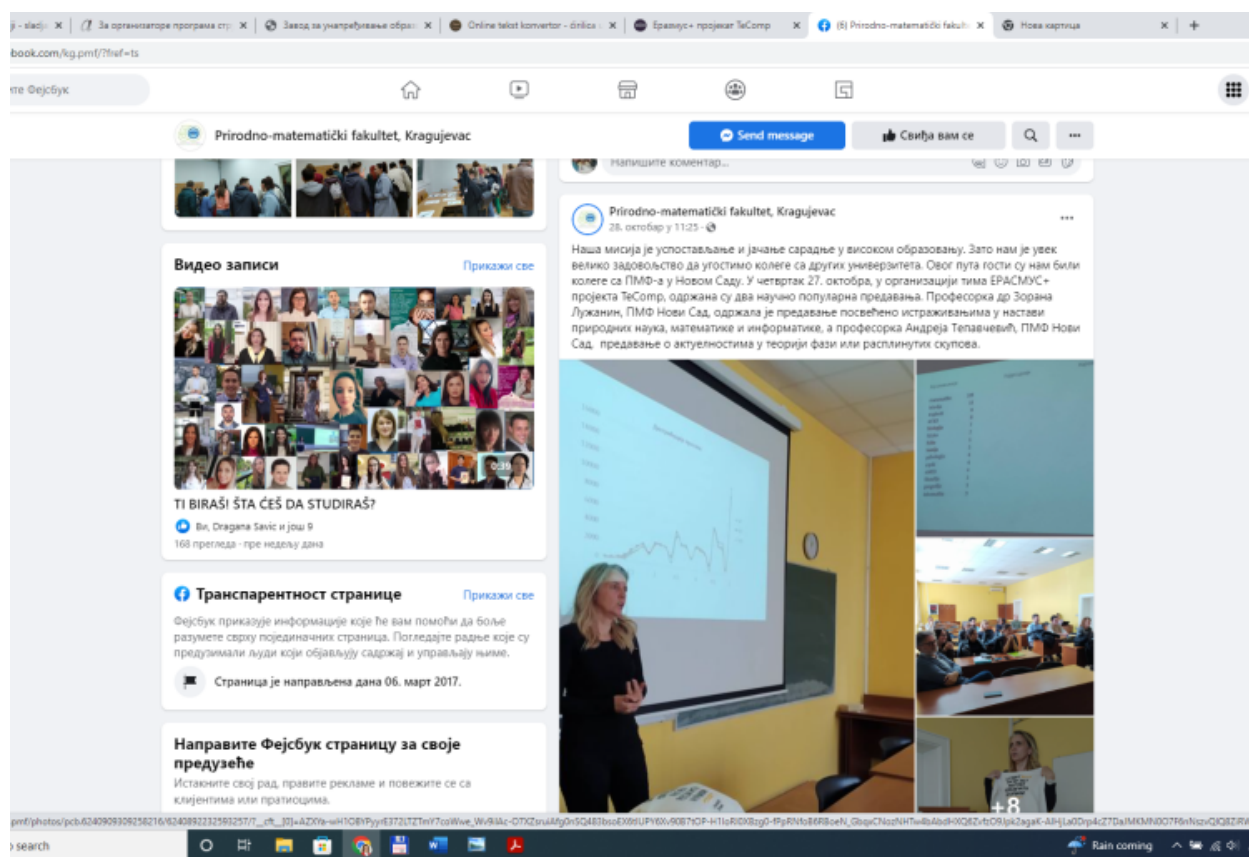


Popular lectures in Kragujevac (October 2022)

“Popular lectures by professors from the faculty in Novi Sad were held in Kragujevac from October 26, 2022 to October 28, 2022.”

https://drive.google.com/file/d/1XkqhTv0UHoOI7f_fdb14JUxu0L8OuCrA/view

<https://drive.google.com/file/d/17BifD-CheYrBnW2gaxnZpKj71Eb008i0/view>



Facebook post from Prirodno-matematički fakultet, Kragujevac, dated 28. oktobar u 11:25.

Наша мисија је успостављање и јачање сарадње у високом образовању. Зато нам је увек велико задовољство да угостимо колеге са других универзитета. Овог пута гости су нам били колеге са ПМФ-а у Новом Саду. У четвртак 27. октобра, у организацији тима ЕРАСМУС+ пројекта ТеСомп, одржали су два научно популарна предавања. Професорка др Зорана Лујанић, ПМФ Нови Сад, одржала је предавање посвећено устројствима у настави природних наука, математике и информатике, а професорка Андреја Тепачевић, ПМФ Нови Сад, предавање о актуелностима у теорији фази или расплнутах скупова.

Видео записи Прикажи све

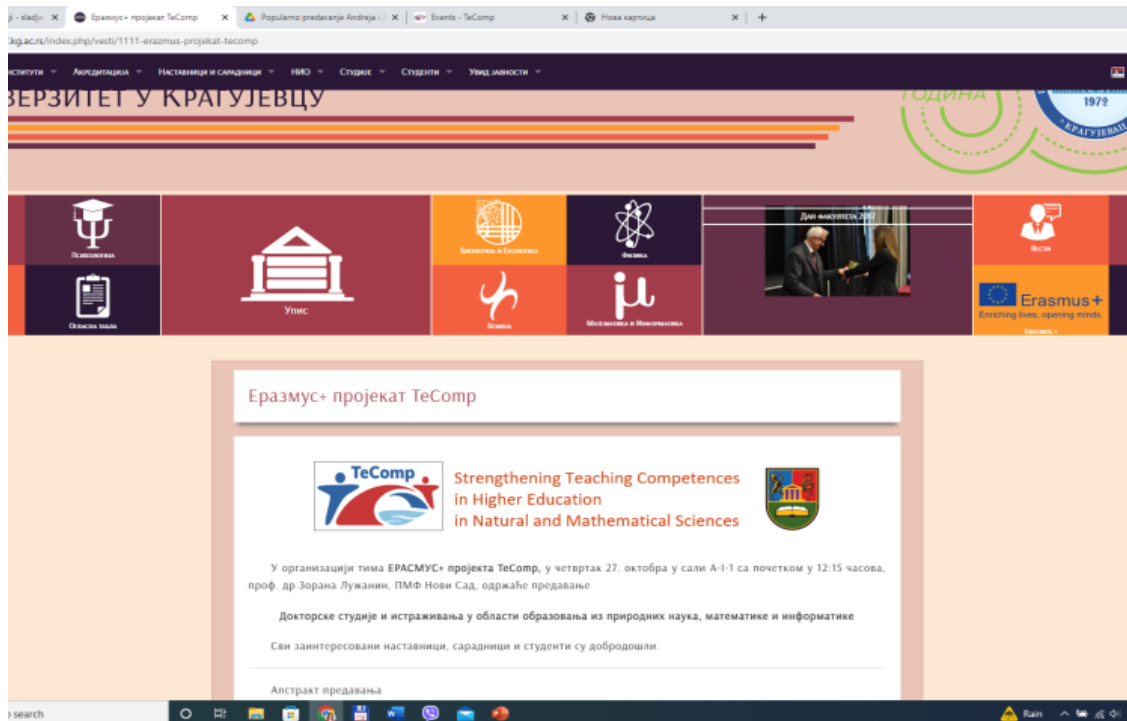
TI BIRAŠI ŠTA ČEŠ DA STUDIRAŠ?
Dr. Dragana Savić и још 9
168 прегледа · пре недељу дана

Транспарентност странице Прикажи све

Фејсбук приказује информације које ће вам помоћи да боље разумете сврху појединачних страница. Погледајте радње које су предузимали људи који објављују садржај и управљају њиме.

Страница је направљена дана 06. март 2017.

Направите Фејсбук страницу за своје предузеће
Истакните свој рад, правите рекламе и повежите се са клијентима или пратиоцима.



The screenshot shows the website of the University of Kragujevac (Универзитет у Крагујевцу) with the TeComp project highlighted. The navigation bar includes links for 'Акредитација', 'Наставници и сарадници', 'НИО', 'Студије', 'Студенти', and 'Уведљивости'. The main content area features a grid of icons representing various university services and the Erasmus+ logo. A central banner for the 'Еразмус+ пројекат ТеКомп' (Erasmus+ TeComp project) is displayed, featuring the TeComp logo and text in Serbian.

Еразмус+ пројекат ТеКомп

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

У организацији тима ЕРАСМУС+ пројекта ТеКомп, у четвртак 27. октобра у сали А-1-1 са почетком у 12:15 часова, проф. др Зорана Лујанин, ПМФ Нови Сад, одржаће предавање:

Докторске студије и истраживања у области образовања из природних наука, математике и информатике

Сви заинтересовани наставници, сарадници и студенти су добродошли.

Апстракт предавања





Open invitation for participation on Info Day in the framework of TECOMP project.

“We invite you on Wednesday, November 2, at 11:00, to join us in an information session, which will take place within the framework of the TECOMP project for the development of objectives, activities organized during the project implementation period and the results achieved .

The meeting is open to members of the academic staff and 🧑🏫 🧑🏫 UGJ students.

“


<https://www.facebook.com/watch/?v=1496846260782777&ref=sharing>



We invite you on Wednesday, November 2, at 11:00, to join us in an information session, which will take place within the framework of the...

Like Comment Share

13 · 208 views

 "Eqrem Çabej" University Gjirokastrë - Official Site
November 1, 2022 · 🌐

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We invite you on Wednesday, November 2, at 11:00, to join us in an information session, which will take place within the framework of the TECOMP project for the development of objectives, activities organized during the project implementation period and the results achieved .

The meeting is open to members of the academic staff and 🧑🏫 🧑🏫 UGJ students.

#tecomp #project #ugj #gjirokastrë
See less

Be the first to leave a comment.

 Write a comment... [🗨️](#) [😊](#) [👍](#) [👎](#)

Digitally Competent Teacher Project (November 2022)

“Members of the Kragujevac Branch of the Society of Mathematicians of Serbia and at the same time teachers and associates of Faculty of Sciences and Mathematics in Kragujevac, who were active in the TeComp project, applied to the public competition based on the knowledge and experience gained during the project for financing/co-financing projects of associations/organizations with funds from the budget of the city of Kragujevac in 2022 with the Digitally Competent Teacher project and the project was approved.”



International Conference on Physics education in Secondary Schools (November 2022)

“International Conference on Physics education in Secondary Schools in Aleksinac is organized by Aleksinac gymnasium with the help of Department of Physics (Faculty of Sciences and Mathematics) and financed by the municipality of Aleksinac. In 2023, it will be its 10th anniversary. The board consists of 20 physics education researchers, which are almost university professors, and from 5 different countries. The conference includes expert lectures, workshops, poster sections, book presentations, panel discussions etc. Besides all that, the conference includes competition for the best experimental work by high school students, where students from many countries participate. The winners receive prizes for their work.”



Opština Aleksinac i Aleksinačka gimnazija
sa partnerima

organizuju

10. Jubilarnu Međunarodnu konferenciju o nastavi fizike u srednjim školama

Aleksinac, 24-26. mart 2023. godine

Program jubilarne Konferencije obuhvata:

- Predavanja po pozivu iz metodike nastave fizike
- Predavanja po pozivu iz raznih oblasti fizike i astronomije
- Usmene i poster prezentacije stručnih radova
- Prezentacije srednjoškolskih i univerzitetskih udžbenika
- Okrugli sto o problemima srednjoškolske nastave fizike
- Radionice
- Izložbu učila

Zbornik radova 10. Međunarodne konferencije o nastavi fizike u srednjim školama,
Aleksinac, 24-26. marta 2023.

Aktiviranje prethodnog znanja učenika

Lazar Radenković, Ljubiša Nešić

Prirodno-matematički fakultet, Niš, Srbija

Apstrakt. do 200 reči. rad sme imati najviše 7 stranica. elektronskom poštom na adresu
konferencija.aleksinac@gmail.com слике засебно, 300 dpi име презиме _slika_x

Ključne reči: aktivna nastava, uvodni deo časa, utvrđivanje.

UVOD

Ovaj rad je nastao kao rezultat novih iskustava koje su autori stekli tokom treninga organizovanog u okviru aktivnosti Erasmus+ projekta Strengthening Teaching Competences in Higher Education in Natural and Mathematical Sciences (Ref. No: 598434-EPP-1-2018-1-RS-EPPKA2-CBHE-IP (2018-2467)).

Fundamentalni problem sa predavanjima je da se ona temelje na ideji da se učenicima može preneti znanje, kao da je predmet, i da učenici usvajaju znanje samo zato što im je ono izrečeno. Aktuelna pedagoška teorija je teorija konstruktivističkog poravnanja (eng. *constructive alignment*), koja je spoj konstruktivizma i učenja usmereno na ishode. U obrazovnom konstruktivizmu je osnovno načelo da osoba nije puki primalac znanja, već da ona mora da aktivno konstruiše svoje razumevanje. Ovaj koncept je izveden iz kognitivne psihologije i uviđa značaj povezivanja novog materijala sa konceptima i iskustvom koji su već prisutni u umu učenika.

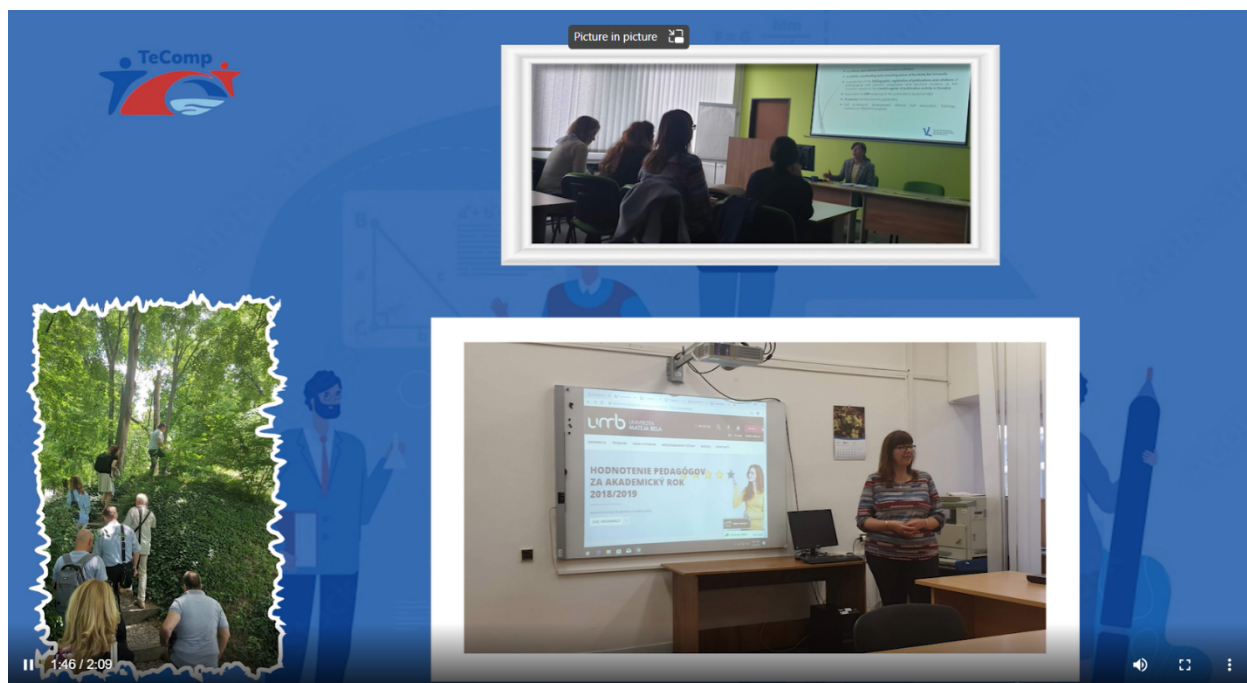
Drugi je da nastavnik vrši namerno poravnanje nastavnih aktivnosti sa željenim ishodima učenja. Ovo je svesni napor da se učenicima predstavi jasan i konkretan cilj učenja, dobro osmišljene aktivnosti učenja kao i provera znanja sa jasnim kriterijumom za procenu ostvarenosti ciljeva koja omogućuje i adekvatnu povratnu informaciju učeniku.

Dissemination recap

A promotional video containing all achievements of the project during the year 2019 has been made and uploaded to our official website.

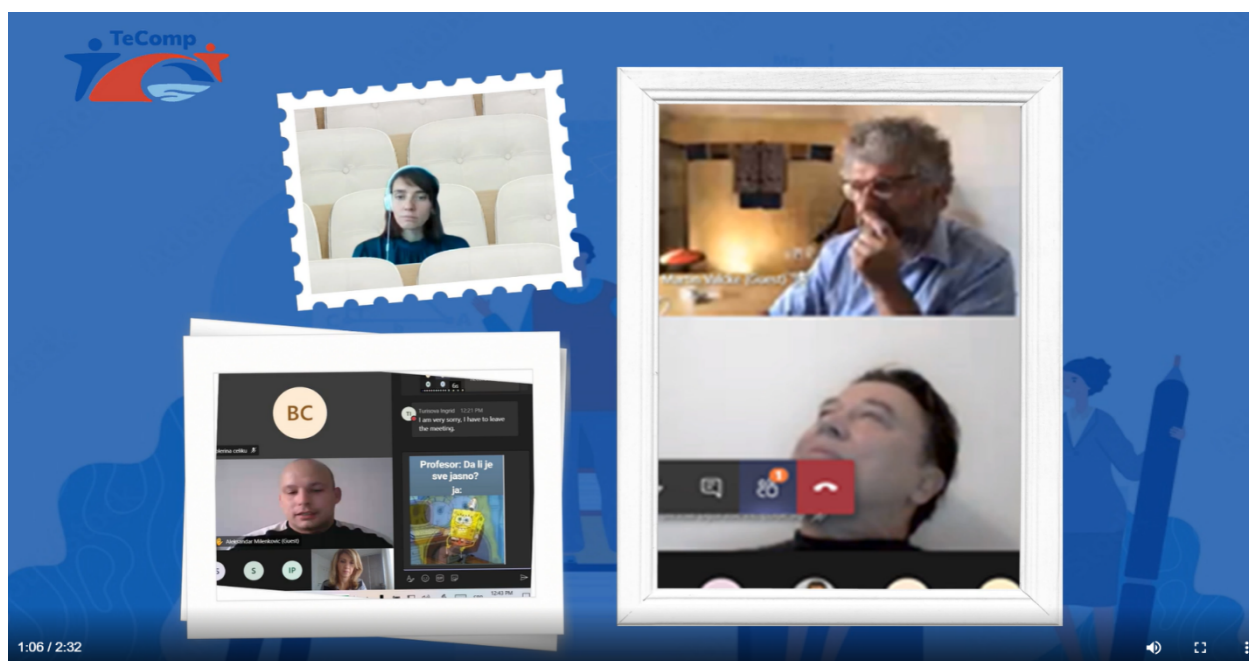
(http://www.tecomp.ni.ac.rs/wp-content/uploads/2022/12/dissemin_recap_3.mp4)





A promotional video containing all achievements of the project during the year 2020 has been made and uploaded to our official website.

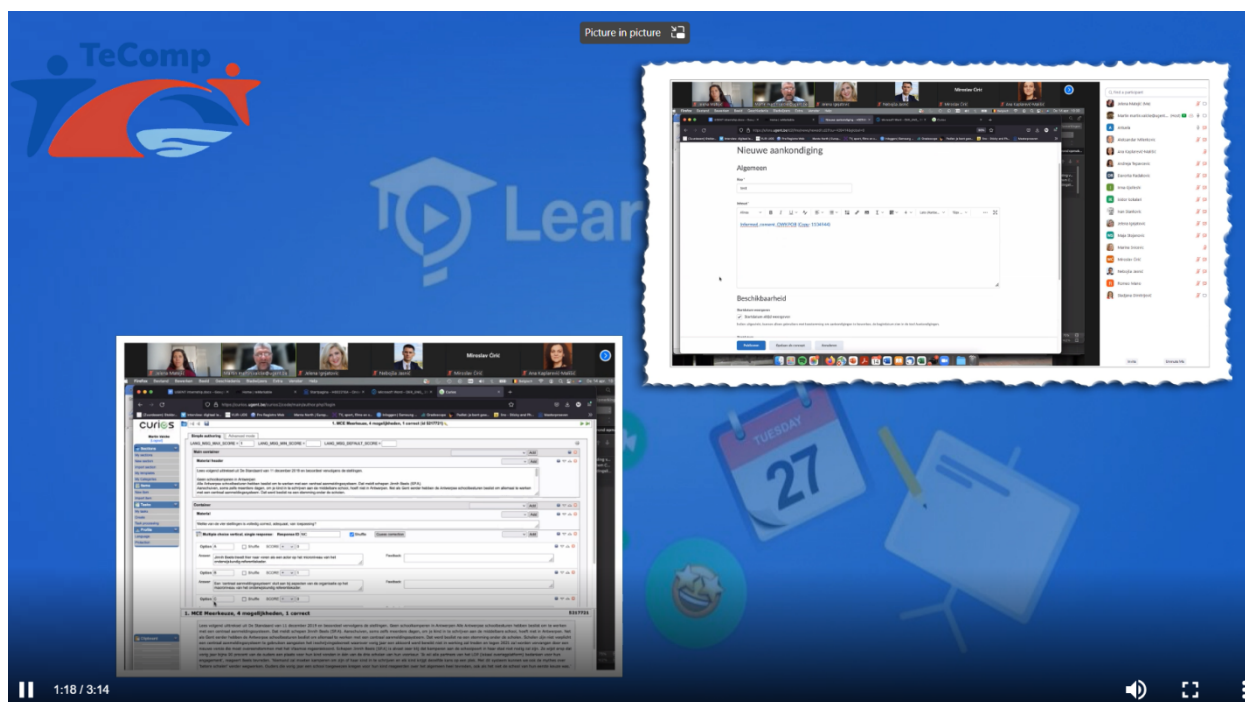
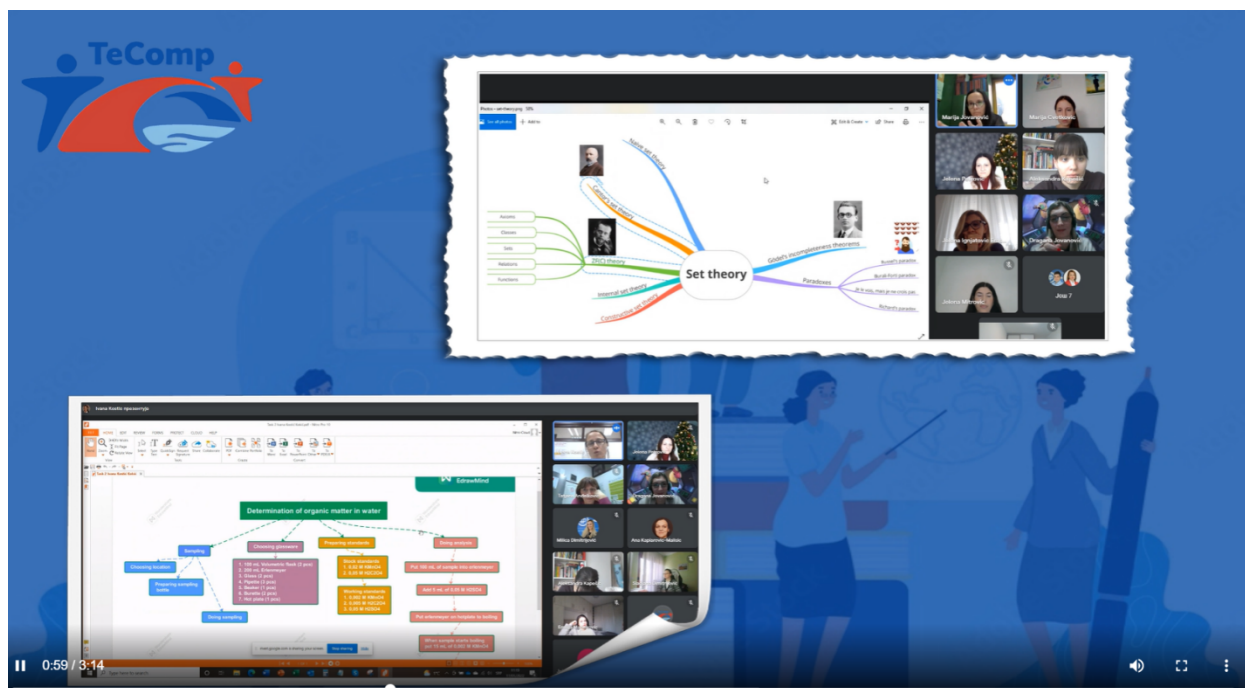
(http://www.tecomp.ni.ac.rs/wp-content/uploads/2022/12/dissemin_recap_1.mp4)





A promotional video containing all achievements of the project during the year 2021 has been made and uploaded to our official website.

(http://www.tecomp.ni.ac.rs/wp-content/uploads/2022/12/dissemin_recap_2.mp4)







A promotional video containing all achievements of the project has been made by the University of Korce and uploaded to our official website.

(<https://drive.google.com/file/d/1l1MxjCftYOLYw5eCF5inq6SZ3Y5pe1jx/view>)



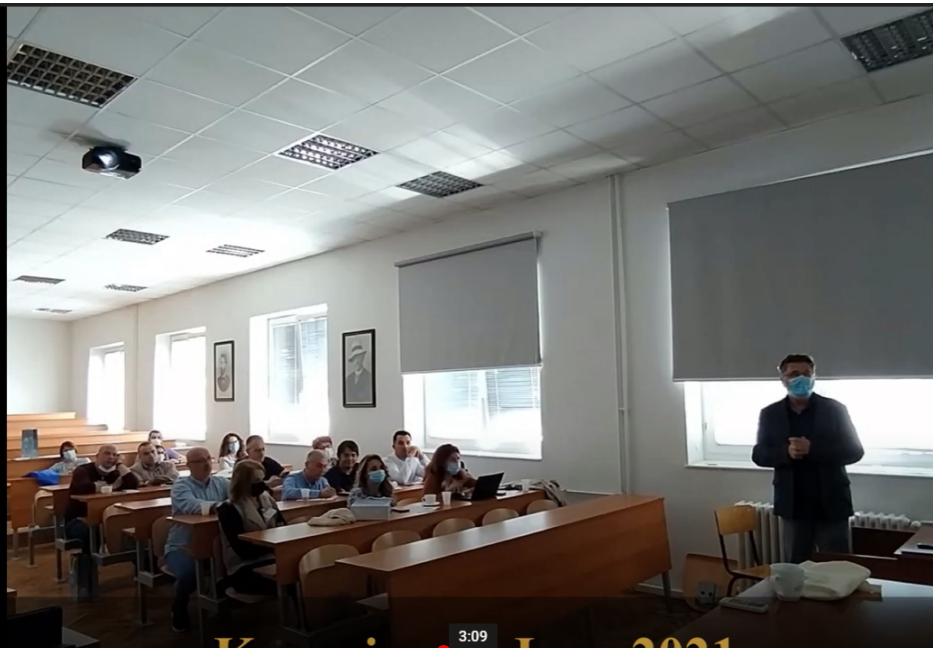
Loja, fëmijët dhe matematika



1. Të kuptojnë rëndësinë e lojës në mësimin e koncepteve matematike.
2. Të përdorin teknika në paraqitjen e lojërave me fëmijët.
3. Të sigurojnë bazën materiale që fëmijët të kuptojnë shpejt qëllimin e lojës.
4. Të zhvillojnë lojrat për t'i mësuar klasifikimin e formave fëmijëve



2:13 / 6:18



Kragujevac, June 2021

2:59 / 6:18



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I hereby confirm that Milo, Eljona, staff member of the University of Korce, has successfully finalized the Professional Development course "*Educational Interaction and Communication in Higher Education*".

This is a 12-week course, implying a time investment of 45 hours (1,5 ECTS credits).

The following topics were tackled by the staff member during this online task-based course: (1) Knowledge Clips, (2) Interactive video, (3) Posters, (4) Discussion and collaboration, (5) Animations and (6) Asking questions.

The course focused on the design and development of course-related solutions and on developing interactive feedback in a peer assessment revision cycle.

Ghent (Belgium), June 15 2021



Prof. Dr. Martin Valcke
Ghent University Belgium




Jelena Ignjatovic
Coordinator TECOMP+ project



5:29 / 6:18

5:40



Picture in picture 



6:00 / 6:18





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

Co-funded by the
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of the European Union



University of Niš

The TeComp Consortium

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