



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

PROJECT HISTORY AND EVALUATION

- rationale, objectives,
partnership

JELENA IGNJATOVIĆ

University of Niš

Faculty of Sciences and mathematics



Strengthening Teaching Competences in Higher Education in Natural and Mathematical Sciences

Ref. No: 598434-EPP-1-2018-1-RS-EPPKA2-CBHE-JP
(2018-2467)



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

Programme: **Erasmus +**

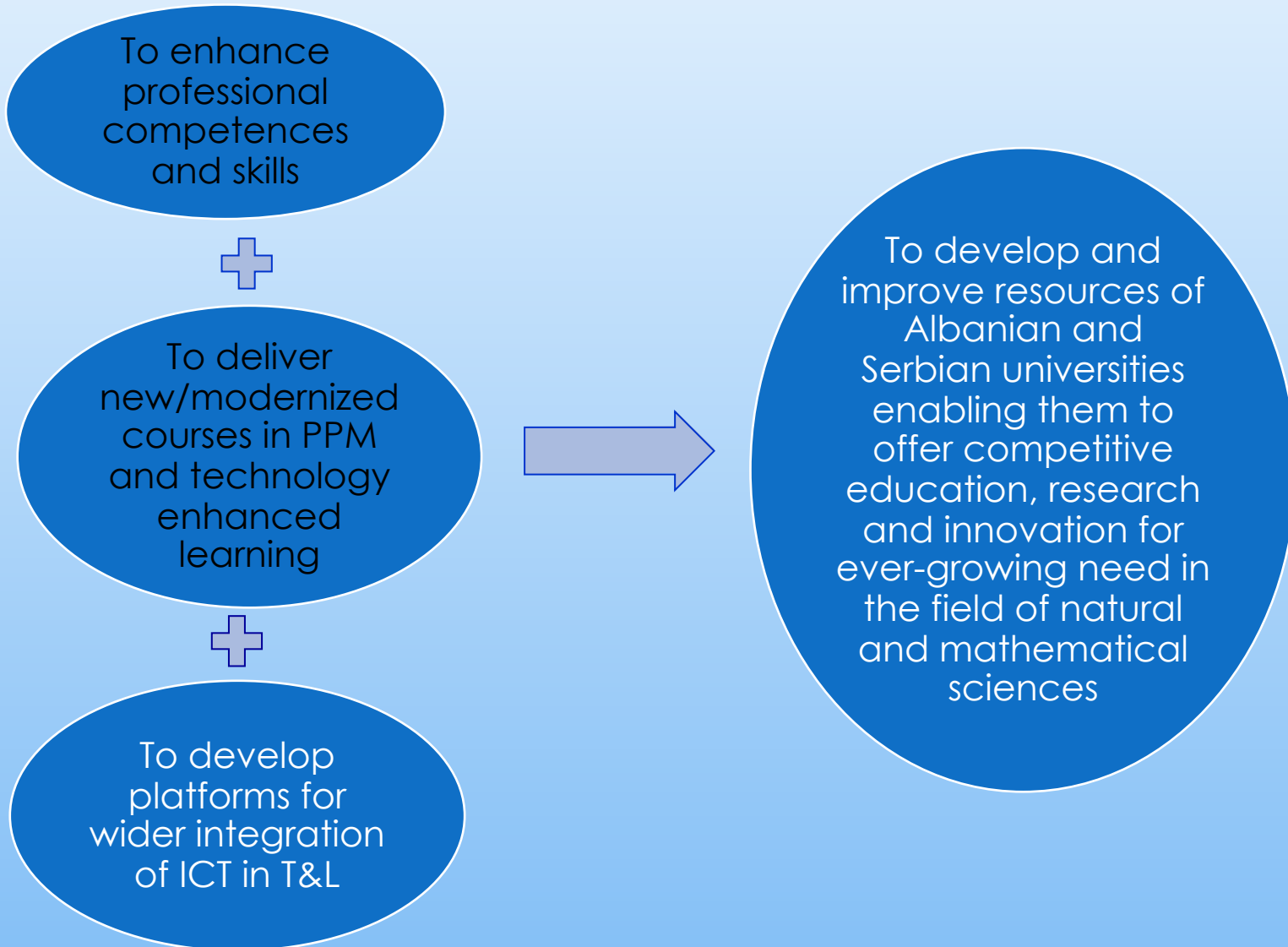
Key action: **Cooperation for innovation
and the exchange of good practices**

Action: **Capacity Building in Higher
Education**

Acronym: **TeComp**



Quality of the project implementation - objectives



CBHE aims and objectives fulfilled



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

To improve the quality of higher education at higher education institutions in Serbia and Albania.

To enhance universities' comparability and competitiveness in Europe and beyond.



Upgrade educational infrastructure as a basis for wider integration of modern pedagogical principles and technologies in teaching and learning.

Improve the level of competences and skills in HEIs by developing new and innovative educational courses.



Curriculum development



Achieved outcomes

Which measures and actions are required for quality enhancement of T&L processes?

Upgrading educational infrastructure

Training of teaching staff for harnessing pedagogical and methodical principles and new modes of T&L

Increasing level of IT competencies of university staff and developing new teaching methodology

Development of methodology and platforms for wider integration of ICT in teaching and learning



Quantitative analysis of teaching competences of young, newly hired university teachers at the PC HEIs;

Detailed analysis of the use of modern educational technologies in T&L at the PC HEIs

POST MORTEM



Luiz Seiti, Head of IRO

Institution: "Eurem Cabej" University of Gjirokastra-International Relations and Scientific Research Office

Research field and areas: English teaching, Accounting & Finance, PhD candidate in English language



Dr Romeo Mano, Full Professor

Institution: "Eqrem Cabej" University of Gjirokastra-Faculty of Natural Science

E-mail: manoromeo2002@yahoo.com

Research field and areas: Mathematics, Statistics, Probability, Applied Mathematics, Teaching Methodology and Pedagogy in the field of Mathematics

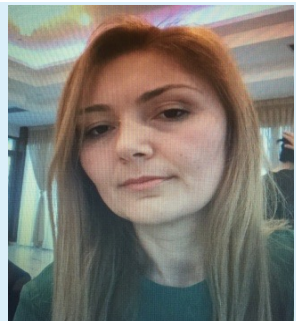


Dr Isidor Kokalari, Full Professor

Institution: "Eqrem Cabej" University of Gjirokastra-Faculty of Natural Science

E-mail: isidorkokalari@yahoo.com

Research field and areas: Biophysics. Non ionizing radiation of mobile telephony, Modelling of cardiovascular system, Methodology and Pedagogy of teaching of Physics



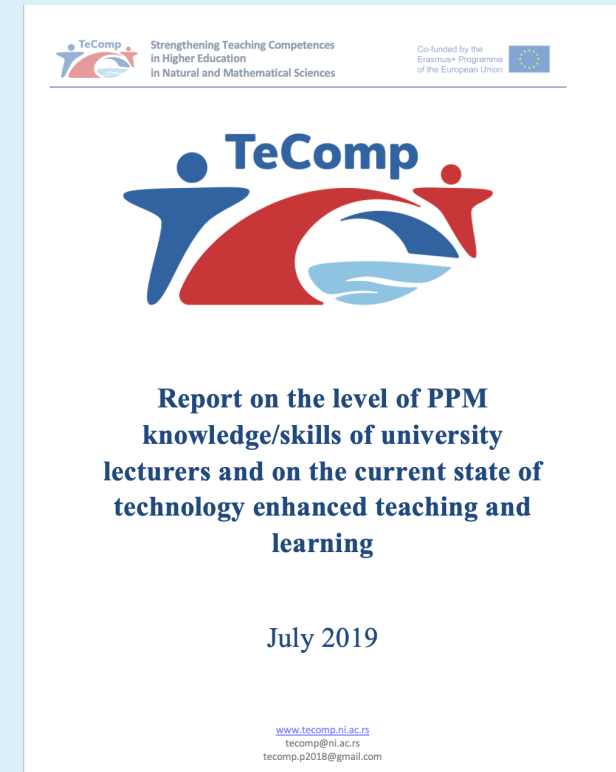
Irma Gjollehi, Head of IRO

Institution: "Eqrem Cabej" University of Gjirokastra -International Relations and Scientific Research Office

E-mail: igjollehi@vogj.edu.al

Research field and areas: TESOL Methodology, Integration of Critical thinking in the Exploration of Cultures in areas where English is spoken as a second language

1. Report on the level of PPM knowledge/skills of university newly hired teachers at the PC HIEs
2. Report on the current state of technology enhanced teaching and learning at the PC HIEs



UNI, Serbia

The survey was filled in by 31 lecturers, 14 (45.16%) of whom were women and 17 (54.48%) men.

UB, Serbia

The survey was filled in by 57 lecturers, 65.45% of whom were women and 34.55% men.

UNS, Serbia

The survey was filled in by 30 lecturers, 22 of whom were women (73.3%) and 8 men (26.7%).

UNIKG, Serbia

The survey was filled in by 47 lecturers, 29(65.91%) of whom were women and 15 (34.09%) men. .

UNIKO and ECUG, Albania

The survey was completed by 96 lecturers from universities, 53 (55.21%) of whom were women and 43 (44.79%) were men.

FINDINGS:

For Serbia:

- ✓ Regardless of their experience, the teaching staff spends the most time on research i.e. science
- ✓ Class preparation takes less time than the class realization
- ✓ Older teaching staff spends more time working compared to their younger colleges
- ✓ 35% to 40% of the time is spent on class preparation and realization
- 50% of their time on class preparation and realization

For Albania:

- ✓ Compared to colleges in Serbia, the teaching staff at two Albanian universities spends less time on research, than on class preparation and realization
- ✓ Teaching staff spends 50% of their time on class preparation and realization

For Serbia

- ✓ More experienced teaching staff take courses in the teaching methodology and Electronic learning methodology more often
- ✓ Less than one-fourth of the teaching staff has realized a part of their class in English

- ✓ **More experienced teachers have participated in workshops about innovative technologies in teaching to a greater extent, and more often discuss about class quality with students**

For Albania

- ✓ **Compared to Serbia, in Albania younger teachers have participated in courses in teaching methodology to a greater extend**
- ✓ **Less than one-sixth of teachers have realized a class in English**
- ✓ **As in Serbia, more experienced teachers have spent more time on workshops, and have discussed class quality with students to a greater extend**



Romeo Mano



Srećko Trifunović



Andreja Tepavčević



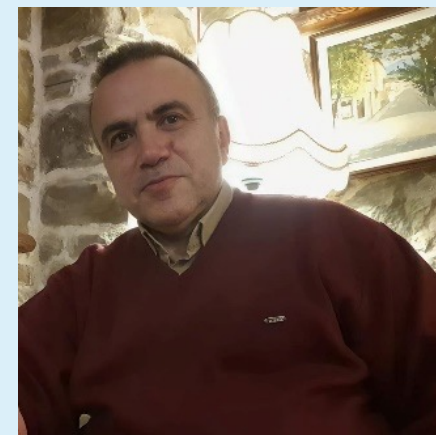
Zorana Lužanin



Nebojša Jasnić



Jelena Ignjatović



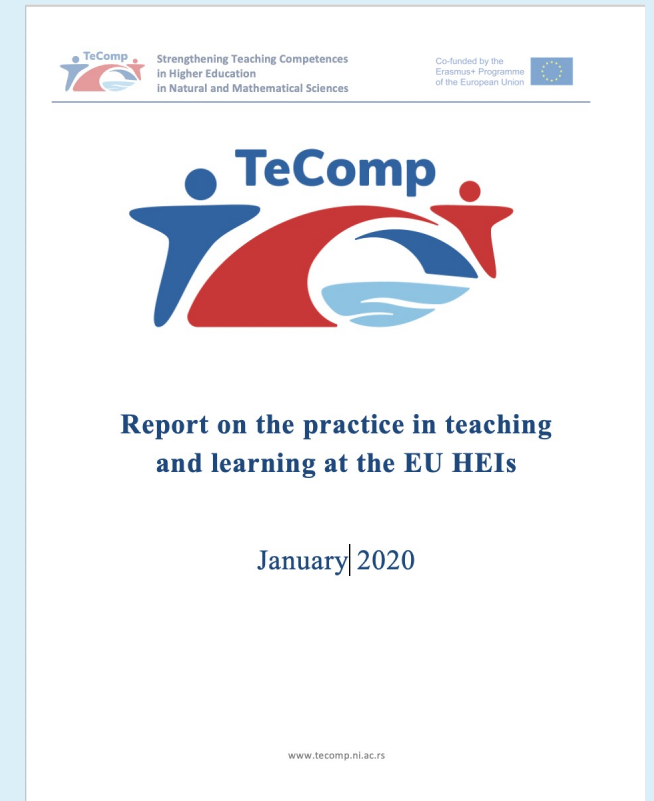
Lorenc Ekonomi

Reviewing experiences in the use of PMT in T&L at the EU HEIs

Report on the practice in T&L at the EU HEIs

Visits of the representatives of PC partner institutions to UNIOVI, UMB and UO -organized EU universities-presented their experiences in using new pedagogical and methodological methods and demonstrated the level of integration of ICT

Reports of all EU partners - collected into a joint report



Maria C Canadas



Antonio Moreno



Laura Muñiz-Rodríguez



Jelena Ignjatović



Romeo Mano

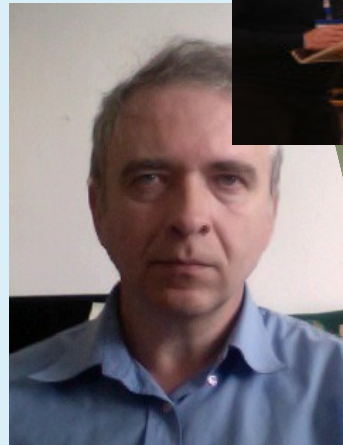


Luiz Seiti

Luis J. Rodríguez-
Muñiz



Martin Valcke



Vladimir Janis



Ingrid Turisová



Irina Perfilieva



Petra Murinova

Comparative analysis performed

Joint report based on collected data

MAIN RECOMMENDATIONS:

- ❖ Insufficient time dedicated to class preparation leads to the dominant use of the frontal approach since it requires less preparation time, consequently, it is necessary to direct the teaching staff to use other teaching methods, providing students with a more central role
- ❖ It is necessary to prepare materials and workshops that highlight the challenges, possibilities, and importance of improving HE teaching
- ❖ The younger teaching staff is missing formal education and training in the field of teaching methodology that needs to be complemented through appropriate workshops and training

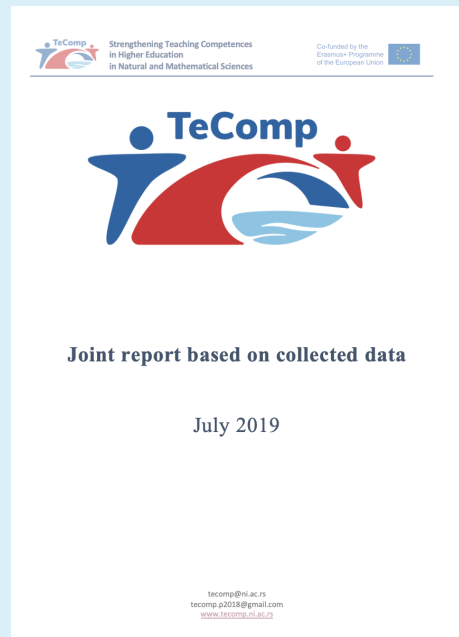
- ❖ Due to the lack of basic methodology courses, it is necessary to develop training at different levels from basic to advanced
- ❖ Improving ICT knowledge and skills in the learning process is more than necessary.
- ❖ It is necessary to prepare material and organize training related to the implementation of ICT in the teaching process.



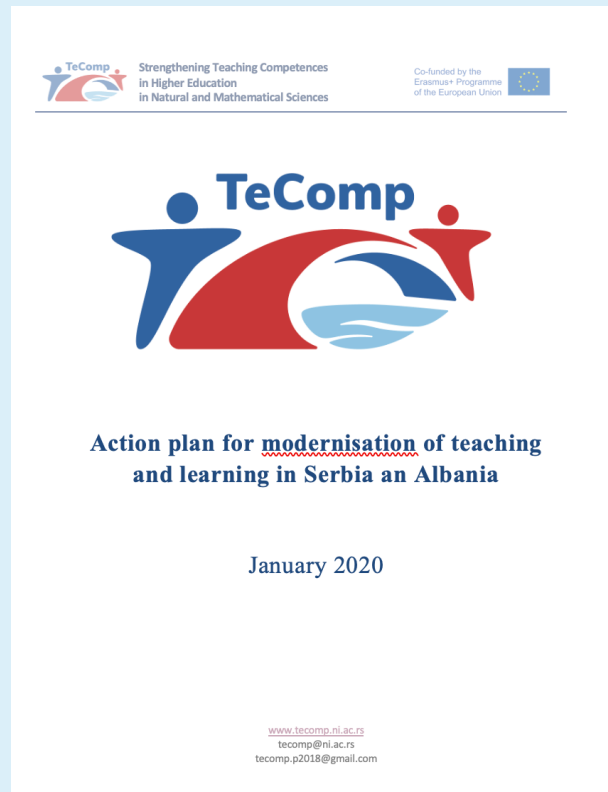
Zorana Lužanin



Sladjana Dimitrijević



Action plan for modernisation of T&L at the PC HEIs Adopted at the LCT meeting- Novi Sad, January 2020



DEVELOPMENT



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



Dr Srećko Trifunović, Full Professor

Institution: University of Kragujevac-Faculty of Science

E-mail: srecko.trifunovic@pmf.kg.ac.rs

Research field and areas: Inorganic chemistry

Dr Ivana Radojević, Assistant Professor

Institution: University of Kragujevac-Faculty of Science

E-mail: ivana.radojevic@pmf.kg.ac.rs

**Research field and areas: Microbiology, Microbial ecology,
Bioremediation, Methodology of scientific research.**





Dr Slađana Dimitrijević, Assistant Professor
Institution: University of Kragujevac-Faculty of Science
E-mail: sladjana.dimitrijevic@pmf.kg.ac.rs
Research field and areas: Stochastics, Fractional differential equations, Fix point theory, Mathematics Education and Teaching Methodology in Mathematics



Dr Milan Kovačević, Full Professor
Institution: University of Kragujevac-Faculty of Science
E-mail: milan.kovacevic@pmf.kg.ac.rs
Research field and areas: Applied optics and photonics, Plasma physics, Physics Education, Biophysics.



Dr Ana Kaplarević Mališić, Assistant Professor
Institution: University of Kragujevac-Faculty of Science
E-mail: ana.kaplarevic@pmf.kg.ac.rs
Research field and areas: Computer Science, High-performance computing, Computer modeling and simulation, Teaching Methodology in Computer Science.

DEVELOPMENT



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

Upgrading educational infrastructure at the PC HEIs– Associate Universities equipped with technology-enhanced learning spaces

– technical infrastructure and laboratory equipment for educational purposes of the PC HEIs -purchased and installed

July, 2019



DEVELOPMENT



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

Material for PPM training courses

Preparation of printed and electronic material - visits the corresponding specialised departments at UG NT and UG P

March 2020

A large, red, multi-pointed starburst graphic with a jagged, sunburst-like edge, centered on the page. It contains the text 'COVID 19 PANDEMIC' in white, bold, uppercase letters.

COVID 19
PANDEMIC

DEVELOPMENT

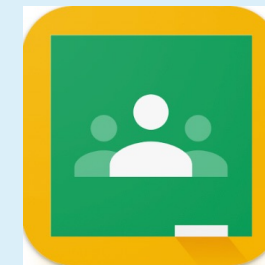
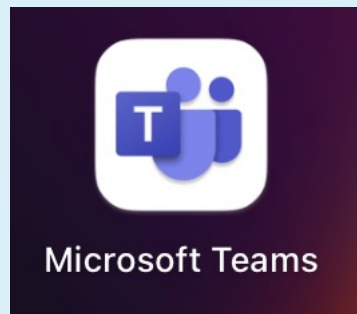


Co-funded by the
Erasmus+ Programme
of the European Union

Interim report submitted- summarised completed and in progress activities

All the activities were postponed

New ways of teaching and working had to be implemented



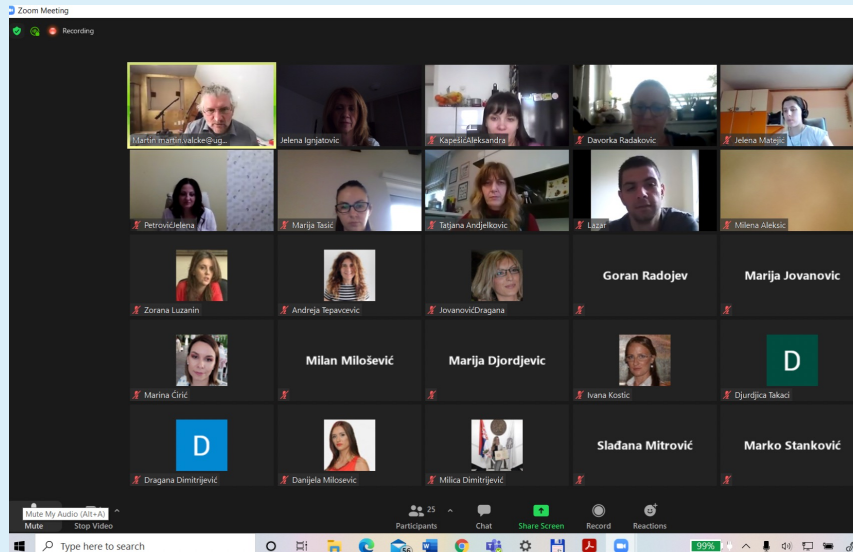
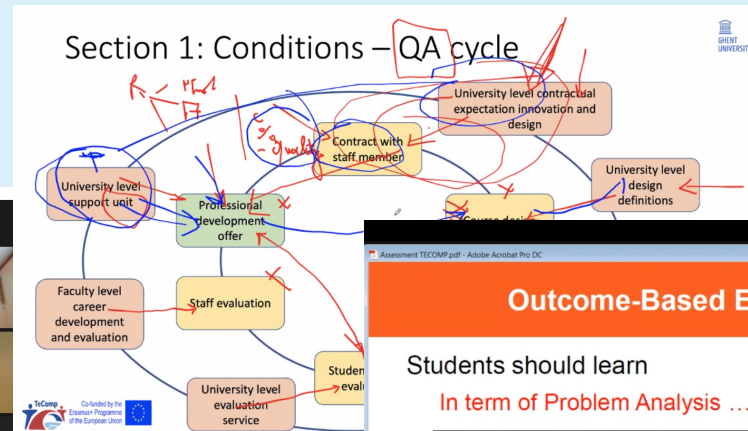
DEVELOPMENT



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

Preparing material for PM training courses

Experiences could not be collected during the visits, but the workshops given by teachers from UGHENT and UGR were organised



Assessment TECOMP.pdf - Adobe Acrobat Pro DC

Outcome-Based Education

Students should learn

In term of Problem Analysis

(Engineers)	(Technologists)	(Technicians)
Identify, formulate, research literature and solve <i>complex</i> engineering problems reaching substantiated conclusions using <i>first principles of mathematics and engineering sciences</i>	Identify, formulate, research literature and solve <i>broadly-defined</i> engineering problems reaching substantiated conclusions using <i>analytical tools appropriate to their discipline or area of specialisation</i>	Identify and solve <i>well-defined</i> engineering problems reaching substantiated conclusions using <i>codified methods of analysis specific to their field of activity</i>

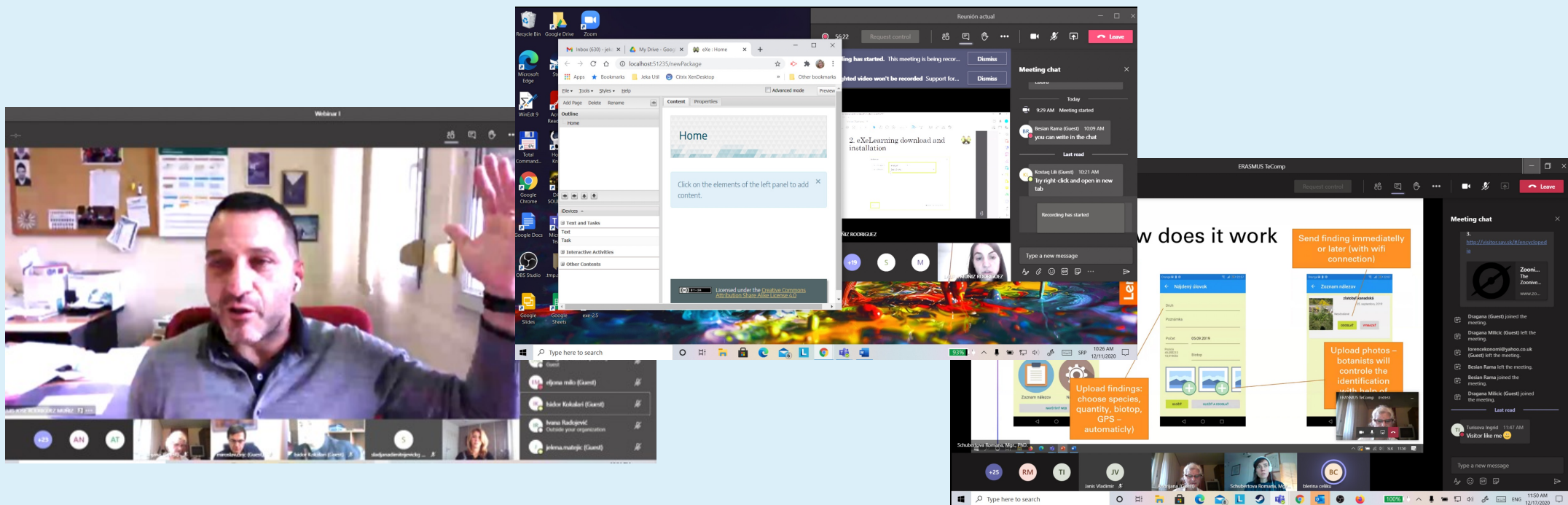
DEVELOPMENT



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

Preparing guidelines for the technological enhancement of teaching and learning

Experiences could not be collected during the visits, but the workshops given by teachers from UNIOVI and UMB were organised



Material for PPM training courses

Editorial board- adopted at LCT
meeting (March 2021)

1. Miroslav Ćirić
2. Sladjana Dimitrijević
3. Siniša Đurašević
4. Andrijana Žekić
5. Zorana Lužanin



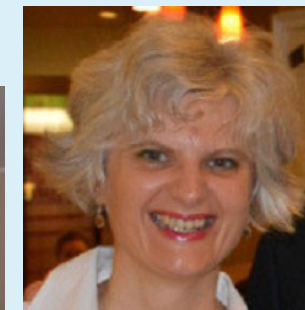
Miroslav Ćirić

Sladjana Dimitrijević



Siniša Crvenković

Zorana Lužanin



Andrijana Žekić

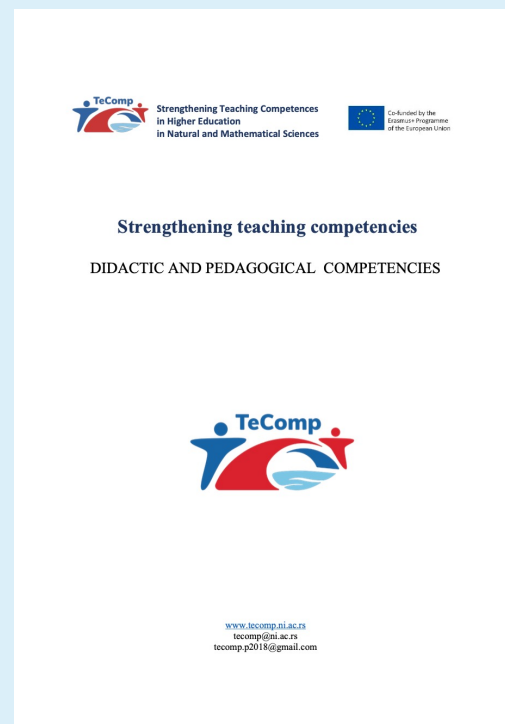
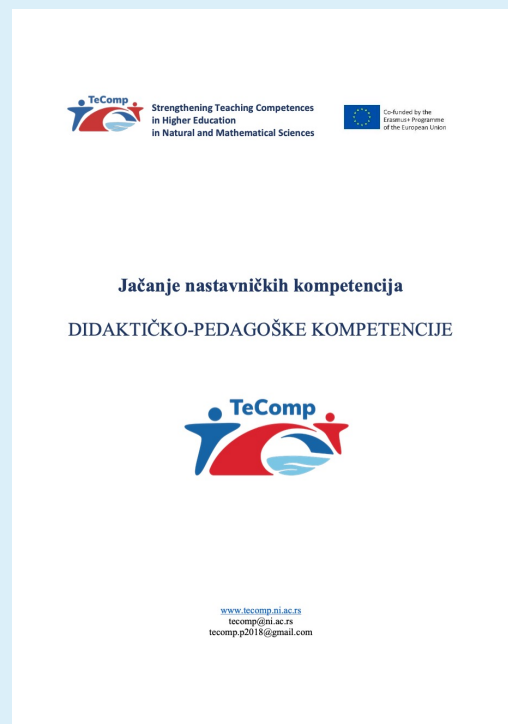
DEVELOPMENT



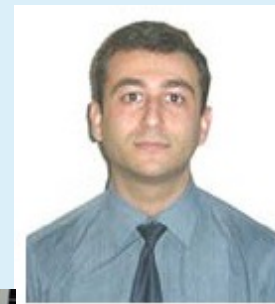
Co-funded by the
Erasmus+ Programme
of the European Union

Material for PPM training courses

Guidelines for the technological enhancement of teaching and learning - printed in three languages Serbian, Albanian and English



Irma Gjollëshi



Isidor Kokalari



Romeo Mano

DEVELOPMENT



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



Jačanje nastavničkih kompetencija
DIDAKTIČKO-PEDAGOŠKE KOMPETENCIJE



www.tecomp.ni.ac.rs
tecomp@ni.ac.rs
tecomp.p2018@gmail.com

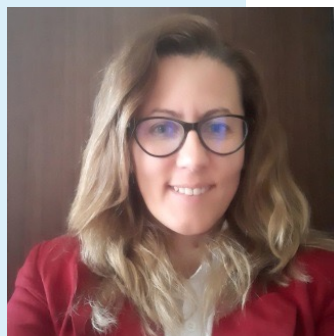
Ardiam Cerava



Strengthening teaching competencies
DIDACTIC AND PEDAGOGICAL COMPETENCIES



www.tecomp.ni.ac.rs
tecomp@ni.ac.rs
tecomp.p2018@gmail.com



Denisa Kafezi

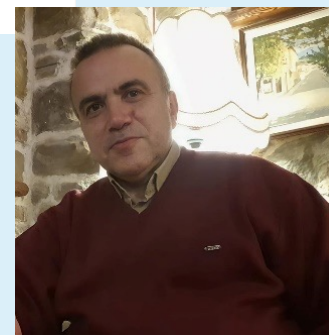


Forcimi i kompetencave të mësimdhënies
Kompetencat dixhitale



www.tecomp.ni.ac.rs
tecomp@ni.ac.rs
tecomp.p2018@gmail.com

Silvja Cobani



Lorenc Ekonomi

Internal and external (EU partners) reviewing

Training material was reviewed by:

1. María C. Cañadas
2. Luis Jose Rodriguez Muniz
3. Iva
4. Iva



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

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

Title of the material: Strengthening teacher competencies. DIGITAL COMPETENCES

Reviewer name: Luis J. Rodriguez Mufiz

Evaluation according to the following criteria
Please enter a rating: 5 - excellent / 4 - good / 3 - average / 2 - under average / 1 - poorly

Criteria	evaluation
Adequacy of the titles	4
Writing clarity	5
Readability	5
Correctness and suitability of the structure	5
Topics' popularity	5
Contribution to the development of teacher competencies	5
Content applicability	5
Interest factor of the content	5
Useful examples contained in the material	5

Positive sides of the material.
The way in which the material summarizes a great amount of educational research studies into a readable document. The insertion of clickable links as examples is also a positive point. The examples adapted to different subjects are also interesting.

Negative sides of the material and recommendations for their elimination.
It is not properly negative, but I missed the use of embedded clips instead of linking them, being a document about digital technologies it would be an exemplary practice.

Does the material provide a good and clear basis for training and improvement of teaching competencies?
I think so. Materials are clear, exhaustive and constitute a helpful tool for novel teachers to get introduced into digital tools and skills for teaching.

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

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

Title of the material: Strengthening teacher competencies. Didactic and pedagogical competencies

Reviewer name: María C. Cañadas Santiago

Evaluation according to the following criteria
Please enter a rating: 5 - excellent / 4 - good / 3 - average / 2 - under average / 1 - poorly

Criteria	evaluation
Adequacy of the titles	5
Writing clarity	5
Readability	5
Correctness and suitability of the structure	5
Topics' popularity	5
Contribution to the development of teacher competencies	5
Content applicability	5
Interest factor of the content	5
Useful examples contained in the material	5

Positive sides of the material.
The document is in line with the project and contribute to its objectives. It is very well written and clear.

Negative sides of the material and recommendations for their elimination.
It would be helpful for a teacher to exemplify some ideas with topics of mathematics and sciences.

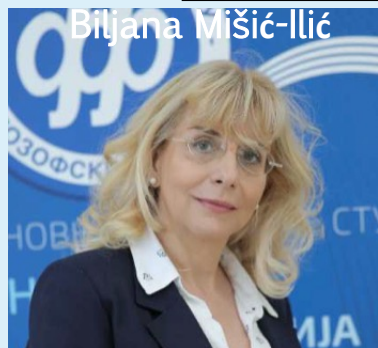
Does the material provide a good and clear basis for training and improvement of teaching competencies?
Yes, it does.



DEVELOPMENT



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



Biljana Mišić-Ilić

Creating material for providing language support for teaching staff

-Capability of teaching staff in English is very important for the PC HEIs

Material for the teaching staff with proficiency of

Prepared by:

Dr Biljana Mišić Ilić, Full Professor

Dr Jasmina Đorđević, Associate Professor

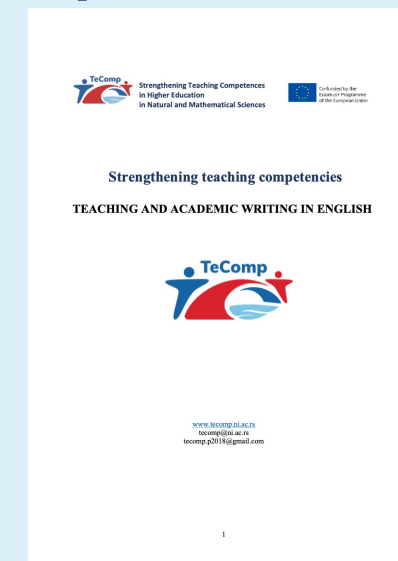
Nikola Tatar, M.A., English language instructor



Jasmina Djordjević



Nikola Tatar



PROFESSIONAL DEVELOPMENT OF TEACHING STAFF



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



Dr DRAGAN ANTIĆ, RECTOR, Full Professor

Institution: University of Niš, Faculty of Electronic Engineering

E-mail: rektor@ni.ac.rs

Research field and areas: Modeling and Simulation, Control systems, Sliding Mode Control

PROFESSIONAL DEVELOPMENT OF TEACHING STAFF



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



Dr Jelena Ignjatović, Assistant Professor

Institution: University of Niš-Faculty of Sciences and Mathematics

E-mail: [jelena.ignjatović@pmf.edu.rs](mailto:jelena.ignjatovic@pmf.edu.rs)

Research field and areas: Theoretical Computer Science –Fuzzy Set Theory, Fuzzy automata theory, Ordered sets and lattices, Social Networks, Data Analysis



Dr Miroslav Ćirić, Full Professor

Institution: University of Niš, Faculty of Sciences and Mathematics

E-mail: miroslav.ciric@pmf.edu.rs

Research field and areas: Mathematics and Computer Science – Semigroup Theory, Ordered Algebraic Structures, Fuzzy Set Theory, Linear and Multilinear Algebra, Matrix Theory, Mathematical Logic, Social Networks, Theory of Computing, Data Analysis



Jelena Matejić, Assistant

Institution: University of Niš - Faculty of Science and Mathematics

E-mail: jelena.matejic@pmf.edu.rs

Research field and areas: Computer Science

PROFESSIONAL DEVELOPMENT OF TEACHING STAFF



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



Dr Aleksandra Arsenijević, Associate for finance on projects

Institution: University of Niš

E-mail: aleksandra@ni.ac.rs

Research field and areas: Accounting, Auditing and Financial Management



Dr. Tatjana Anđelković, Full Professor

Institution: University of Niš, Faculty Science and Mathematics,

E-mail: tatjana.andjelkovic@outlook.com

Research field and areas: Environmental chemistry; Environmental and food safety control; Teaching chemistry methodology

PROFESSIONAL DEVELOPMENT OF TEACHING STAFF



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

14 trainings were organized (5 online, 7 in person, 2 blended)





PROFESSIONAL DEVELOPMENT OF TEACHING STAFF

Organised trainings

Training	Venue	Date	Realised	Reports done
Ghent university training - PPM	online	15/02/21 – 17/05/21	YES	YES
Serbian and Albanian training (combined with LCT meeting Activity 7.3)	P6-UNiKO (Albania)	13/09/21 – 17/09/21	YES	YES
Granada university training - PPM	online	01/12/21 – 14/12/21	YES	YES
Oviedo university training - IT (first part)	online	15/12/21 – 17/12/21	YES	YES
Serbian and Albanian training - PPM	Blended P1-Uni	20/12/21 – 24/12/21	YES	YES
Serbian training – PPM & IT	online (P3-NS)	20/02/22 – 22/02/22	YES	YES
English training (Serbia ad Albania)	online	04/03/22 – 23/03/22	YES	YES
Banska Bystrica university training - IT	P3-UNS (Serbia)	20/03/22 – 24/03/22	YES	YES
Ostrava university training – IT (combined with Inter-project coaching Activity 5.4)	P01-UNI (Serbia)	28/03/22 – 01/04/22	YES	YES



PROFESSIONAL DEVELOPMENT OF TEACHING STAFF

Organised trainings

Training	Venue	Date	Realised	Reports done
Oviedo university training (second part) (combined with Inter-project coaching Activity 5.4)	P01-UNI (Serbia)	28/03/22 – 01/04/22	YES	YES
Serbian training - IT	Blended P04-UNiKG	28/04/22	YES	YES
Training visit to Granada - PPM	P10-UGR	14/05/22 – 20/05/22	YES	YES
Ghent university training – PPM	Blended P01-UNI	12/09/22 – 14/09/22	YES	YES
Training visit to Oviedo – IT (combined with Activitie 6.4)	Blended P1-Uni	20/12/22 – 30/12/22	YES	YES

PROFESSIONAL DEVELOPMENT OF TEACHING STAFF



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

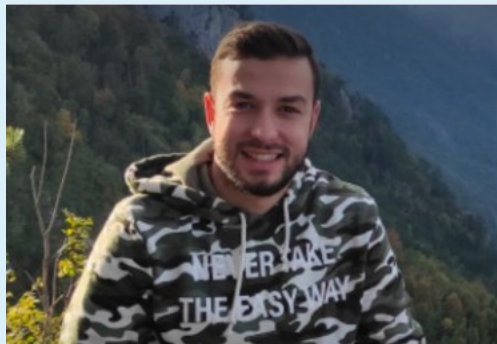
Curriculum development

New courses are accredited

Existing courses have been modernised

LearningKey platform for online teaching and learning was established and updated

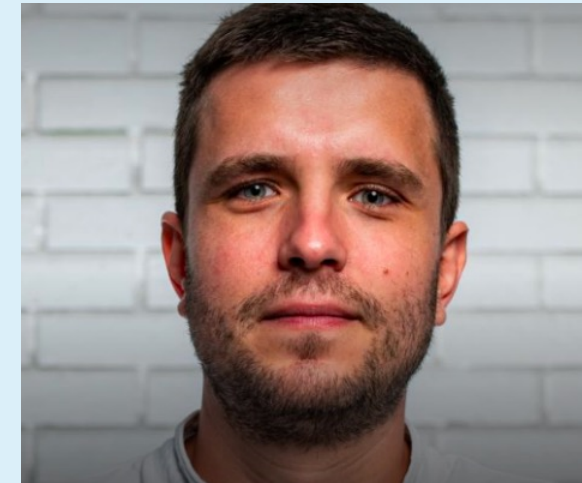
<https://teacher.tecomp.ni.ac.rs/login>



Dimitrije Popović



Milan Pašić



Jovan Kocić

THE FORMATION OF ONLINE LEARNING ENVIRONMENT



Dr Andreja Tepavčević, RECTOR, Full Professor

Institution: University of Novi Sad-Faculty of Science

E-mail: andreja@dmi.uns.ac.rs

Research field and areas: Mathematics, Algebra, Universal Algebra and Lattice Theory, Fuzzy Set Theory and Applications

THE FORMATION OF ONLINE LEARNING ENVIRONMENT



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



Dr Zorana Lužanin, Full Professor

Institution: University of Novi Sad-Faculty of Science

E-mail: zorana@dmi.uns.ac.rs

Research field and areas: Optimization, Mathematical and Statistical modeling, Education-Teaching of mathematics



Dr Goran Radojev, Associate Professor

Institution: University of Novi Sad-Faculty of Science

E-mail: radojev@dmi.uns.ac.rs

Research field and areas: Numerical analysis, Numerical methods for ODEs and PDEs, Computational mathematics



Dr Jasna Atanasijevic, Associate Professor

Institution: University of Novi Sad-Faculty of Science

E-mail: jasna.atanasijevic@dmi.uns.ac.rs

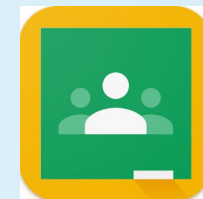
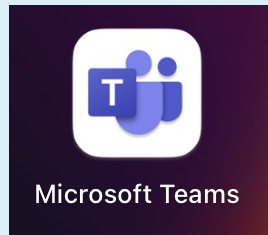
Research field and areas: Empirical economics, Governance, Public policy analysis, Applied econometrics.

THE FORMATION OF ONLINE LEARNING ENVIRONMENT



MSc. Đurica Salamon, Secretary of Department of Mathematics and Informatics
Institution: University of Novi Sad-Faculty of Science
E-mail: djurica.salamon@dmi.uns.ac.rs
Research field and areas: administrative staff, Applied statistics

Pilot courses delivered



THE FORMATION OF ONLINE LEARNING ENVIRONMENT

LearningKey platform implemented

The screenshot shows the LearningKey platform interface. At the top, there is a navigation bar with the LearningKey logo and links for Teacher, Home, Calendar, Students, and Administration. Below the navigation bar, the course title 'Math & Comp Science' is displayed, along with an 'Edit sort order' button. The course content is organized into a grid of cards. The first card is titled 'Required subject form for professors!!! PLACE COPY THIS FORM IN YOUR SUBJECT' and features an image of a hand writing mathematical formulas on a chalkboard. The second card is titled 'Data structures and algorithms' and features an image of a server room. The third card is titled 'Mathematics 1' and features an image of a complex mathematical diagram with various symbols and equations.

The cover of the 'LearningKey platform for online teaching and learning' instruction for teachers. It features the TeComp logo at the top left, which stands for 'Strengthening Teaching Competences in Higher Education in Natural and Mathematical Sciences'. To the right of the TeComp logo is the European Union flag and the text 'Co-funded by the European Union'. The title 'LearningKey platform for online teaching and learning' is centered, followed by 'INSTRUCTION FOR TEACHERS'. Below the title is the TeComp logo again. At the bottom, the website 'www.tecomp.nl.ac.rs' and email 'tecomp@nl.ac.rs' are listed.



Jelena Ignjatović




Ana Kaplarević-Mališić

THE FORMATION OF ONLINE LEARNING ENVIRONMENT

Platform for peer assessment



Strengthening Teaching Competences
in Higher Education
in Natural and Mathematical Sciences



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

Platform for peer assessment

GUIDELINE



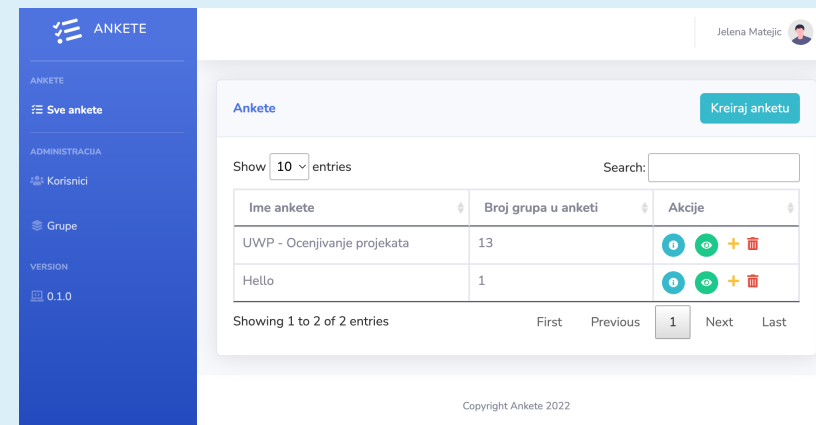
www.tecomp.ni.ac.rs
tecomp@ni.ac.rs
tecomp.p2018@gmail.com



JELENA MATEJIĆ



NEMANJA PETROVIĆ



ANKETE

Sve ankete

ADMINISTRACIJA

Korisnici

Grupe









VERSION

0.1.0

ANKETE

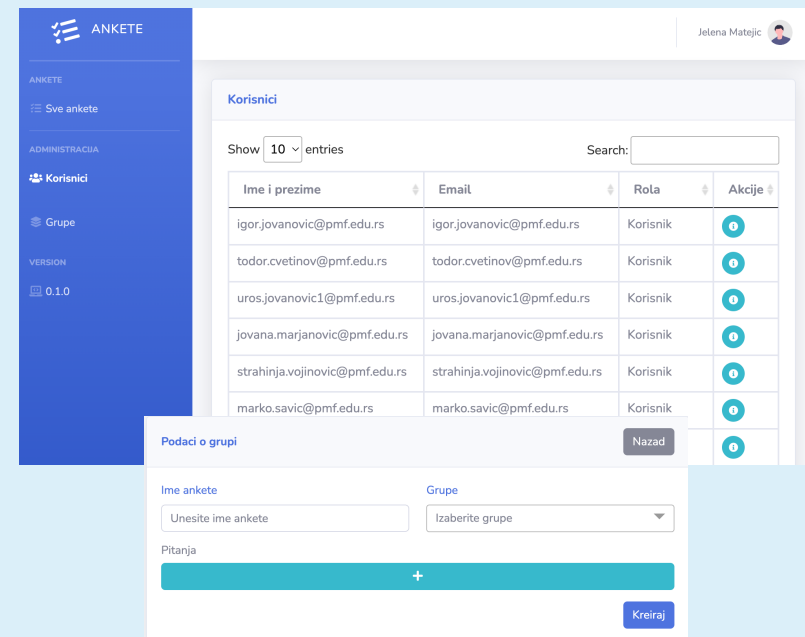
Kreiraj anketu

Show 10 entries Search:

Ime ankete	Broj grupa u anketi	Akcije
UWP - Ocenjivanje projekata	13	   
Hello	1	   

Showing 1 to 2 of 2 entries First Previous 1 Next Last

Copyright Ankete 2022



ANKETE

Sve ankete

ADMINISTRACIJA

Korisnici

Grupe

VERSION







0.1.0

ANKETE

Kreiraj anketu

Korisnici

Show 10 entries Search:

Ime i prezime	Email	Rola	Akcije
igor.jovanovic@pmf.edu.rs	igor.jovanovic@pmf.edu.rs	Korisnik	
todor.cvetinov@pmf.edu.rs	todor.cvetinov@pmf.edu.rs	Korisnik	
uros.jovanovic1@pmf.edu.rs	uros.jovanovic1@pmf.edu.rs	Korisnik	
jovana.marjanovic@pmf.edu.rs	jovana.marjanovic@pmf.edu.rs	Korisnik	
strahinja.vojnovic@pmf.edu.rs	strahinja.vojnovic@pmf.edu.rs	Korisnik	
marko.savic@pmf.edu.rs	marko.savic@pmf.edu.rs	Korisnik	

Podaci o grupi Nazad

Ime ankete Grupe

Unesite ime ankete Izaberite grupe

Pitanja

Kreiraj

THE FORMATION OF ONLINE LEARNING ENVIRONMENT

Online labs connected

The screenshot shows a Zoom meeting interface. At the top, the browser address bar shows 'zoom.us'. The meeting title is 'TeComp - Remote Laboratories - Tatjana Andjelk... - Shared screen with speaker view'. Below the title bar, there are several browser tabs open, including 'Inbox (2...', 'Start Page', 'Learning...', 'Events...', 'Inbox (2...', 'FW: link...', 'TeComp...', 'Search...', '02_Belg...', 'Search r...', and 'Microsof...'. The main content area is split into two parts: a large video window on the left and a chat window on the right. The video window shows two women in a laboratory setting. The chat window contains the following messages:

Chat Messages

- Snezana** 01:03:03
SORRY IF YOU HAVE RECORDED MATERIAL BECAUSE IT IS AN INTERESTING TOPIC AND I WOULD LOOK AT IT AGAIN. THANK YOU VERY MUCH.
- Andreja Tepavcevic** 01:14:03
Some of my colleagues are interested in this lecture but could not attend because they are travelling. So please can you send the link of the recording to me to forward it to them. Thank you!!!
- isidor kokalari** 01:16:18
Yes please, share teh link with lecture video. thank you. have a good afternoon. Happy Easter also.

The screenshot shows a laboratory software interface titled 'Chromleon Console'. The main window displays a 'Run Finished' table with the following data:

#	ECC_1	Name	Type	Level	Position	Volume
1		Standard 1 nov	Calibration Standard	1	1	5000
2		Standard 2 nov	Calibration Standard	2	2	5000
3		Standard 3 nov	Calibration Standard	3	3	5000
4		Standard 4 nov	Calibration Standard	4	4	5000
5		Standard 5 nov	Calibration Standard	5	5	5000
6		Destilovana	Unknown	6	5000	
7		Paradajz 2	Unknown	7	5000	
8		Tikivica 2	Unknown	8	5000	
9		Krastavac 2	Unknown	9	5000	
10		Plavi paradajz 2	Unknown	10	5000	
11		Paprika 2	Unknown	11	5000	
12		Zelena salata 2	Unknown	12	5000	
13		Bilna 2	Unknown	13	5000	
14		Spanac 2	Unknown	14	5000	
15		List celera 2	Unknown	15	5000	
16		List persuna 2	Unknown	16	5000	
17		Destilovana	Unknown	17	5000	
18		Sargarsa 0 2M	Unknown	18	5000	
19		Rodkva 0 2M	Unknown	19	5000	
20		Celer 0 2M	Unknown	20	5000	
21		Destilovana	Unknown	21	5000	
22		Andrea 1	Unknown	22	5000	
23		Andrea 2	Unknown	23	5000	
24		Andrea 3	Unknown	24	5000	

Below the table, there is a section for 'Associated Items' with columns for Name, Type, and Date Modified. The video feed shows a woman in a yellow jacket speaking. The interface also includes a 'Camera' control panel with 'WB auto' and '0.0' settings. At the bottom, there is a video player with a progress bar showing '00:13:58 / 00:51:09' and a 'Speed' control.

QUALITY ASSURANCE AND MONITORING



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



Dr Lorenc Ekonomi, Full Professor
Institution: University of Korça-Faculty of Nature and Human Sciences
E-mail: lekonomi@unkorce.edu.al
Research field and areas: Statistics, Probability, Mathematical Analysis

QUALITY ASSURANCE AND MONITORING



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

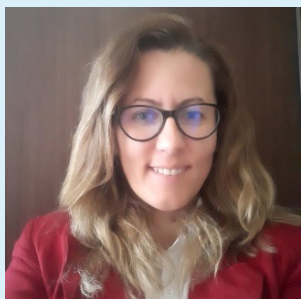


Msc. Ardian Cerava

Institution: University of Korça, - Faculty of Agriculture

E-mail: acerava@unkorce.edu.al

Research field and areas: IRO, Environmental Economics, Econometrics, Farm Management



Msc. Denisa Kafazi

Institution: University of Korça, - Faculty of Natural and Human Sciences

E-mail: dkafazi@unkorce.edu.al

Research field and areas: Algebra, Education- Teaching of mathematics



MSc. Silvja Çobani

Institution: University of Korça, - Faculty of Natural and Human Sciences

E-mail: scobani@unkorce.edu.al

Research field and areas: Metric Spaces

QUALITY ASSURANCE AND MONITORING



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

Quality Assurance and Monitoring Board (QAMB)

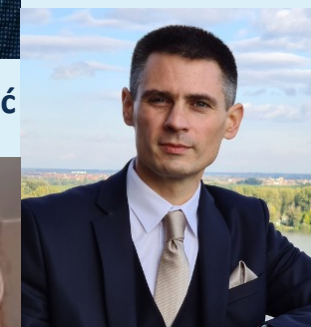
Quality Assurance and Monitoring Board (QAMB) - The team is a direct support to the Project Coordinator in monitoring and assessing the quality of the project and its results, as well as development of Quality Control and Monitoring Plan. Quality Assurance and Monitoring Board consists of the following members, coming from Partner Countries:

1. dr Zorana Jančić, University of Niš, Serbia
2. dr Aleksandar Nastić, University of Niš, Serbia
3. dr Nebojša Jasnić, University of Belgrade, Serbia
4. Prof. dr Zorana Lužanin, University of Novi Sad, Serbia
5. dr Slađana Dimitrijević, University of Kragujevac, Serbia
6. dr Romeo Mano, University Gjirrokastër, Albania
7. Ardian Cerava, Fan S. Noli University Korçë, Albania

Zorana Jančić



Aleksandar Nastić



QUALITY ASSURANCE AND MONITORING



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

Internal work quality standards and procedures Draft- adopted at LCT Belgrade, July 2019



QUALITY ASSURANCE AND MONITORING



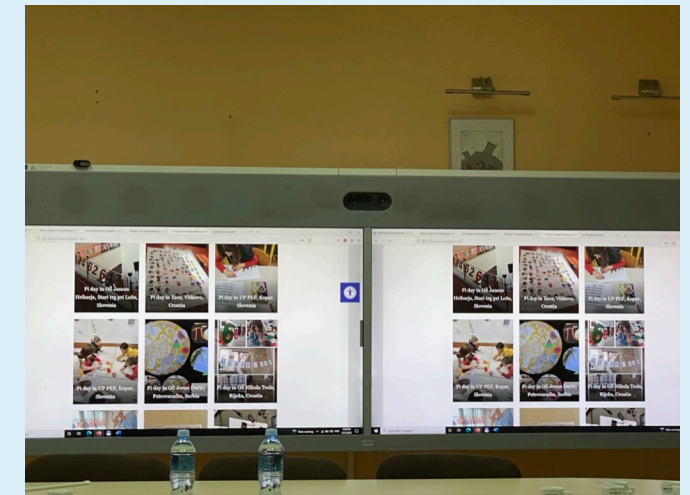
Co-funded by the
Erasmus+ Programme
of the European Union

Inter-project coaching organised

❖ Ongoing project – “An inter-
education- inAmath”

Niš, March 2022 and Novi Sad

ach to mathematical





Inter-project coaching organised

- ❖ **Two successfully finished projects**
 - **“ICT Networking for Overcoming Technical and Social Barriers in Instrumental Analytical Chemistry Education- NETCHEM”**
 - **“Strengthening of master curricula in water resources management for the Western Balkans HEIs and stakeholders- SWARM”**

Niš, September 2022

QUALITY ASSURANCE AND MONITORING



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



DISSEMINATION & EXPLOATATION



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



Dr Sinisa Djurasevic, Full Professor
Institution: University of Belgrade-Faculty of Biology
E-mail: sine@bio.bg.ac.rs

**Research field and areas: Physiology, Metabolism, Pharmacology,
Care and use of laboratory animals**

DISSEMINATION & EXPLOATATION



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



Dr Andrijana Zekic, Full Professor
Institution: University of Belgrade-Faculty of Physics
E-mail: andrijana@ff.bg.ac.rs
Research field and areas: Physics - Condensed Matter Physics - Physics of Crystal Growth. Physics Education



Dr Miroslav Maric, Full Professor
Institution: University of Belgrade-Faculty of Mathematics
E-mail: maricm@mff.bg.ac.rs
Research field and areas: Artificial Intelligence, Teaching Methodology in Mathematics and Computer Science, Operational Research



Dr Nebojsa Jasnic, Associate Professor
Institution: University of Belgrade-Faculty of Biology
E-mail: jasnicn@bio.bg.ac.rs
Research field and areas: Physiology, Endocrinology, Metabolism

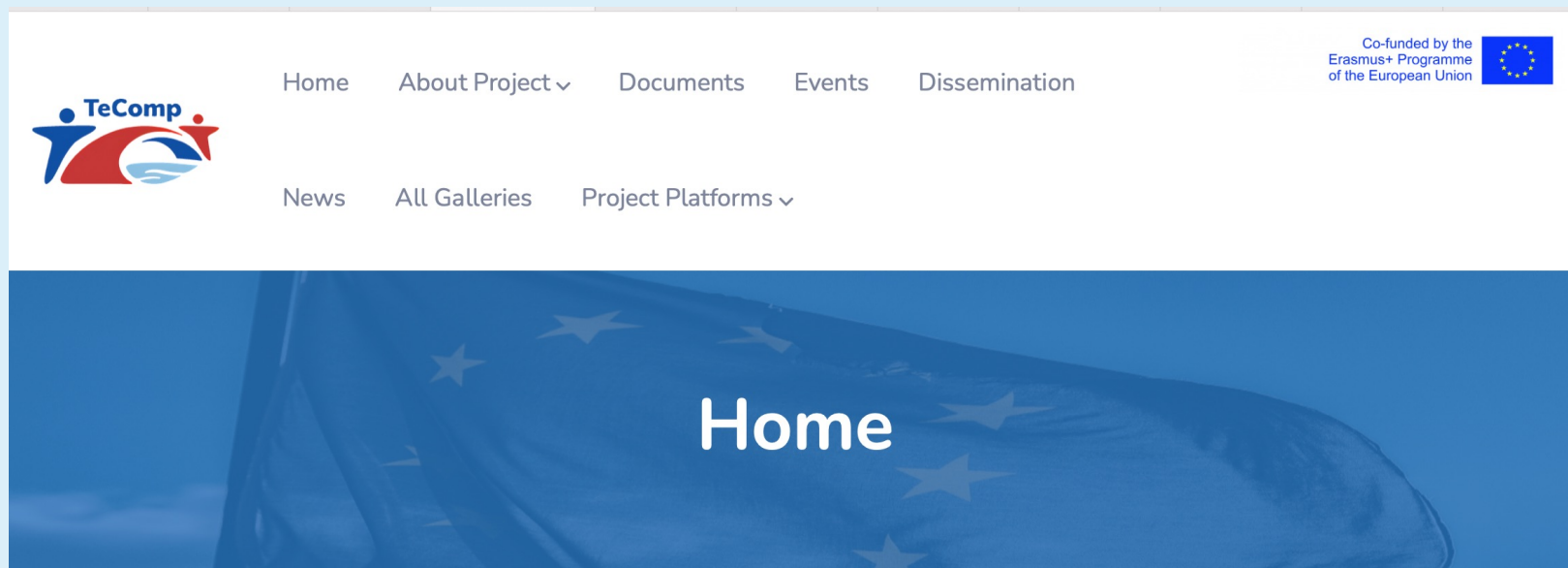
DISSEMINATION & EXPLOATATION



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

Web site created and regularly updated

www.tecomp.ni.ac.rs



DISSEMINATION & EXPLOATATION



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

Promo material distributed



DISSEMINATION & EXPLOATATION



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

Promo material distributed



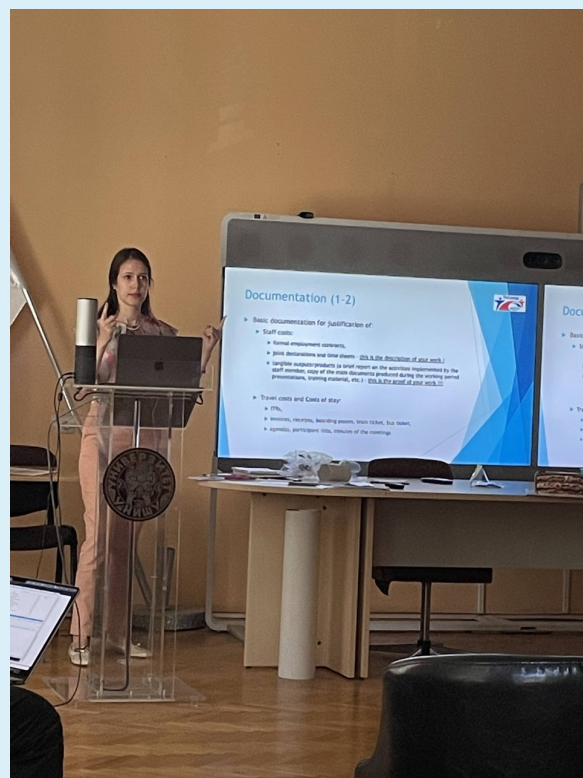
DISSEMINATION & EXPLOATATION



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

Workshop in Niš, September 2022

Final Conference, October 2022



DISSEMINATION & EXPLOATATION

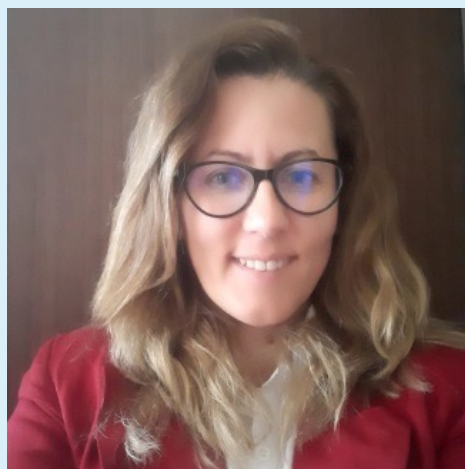


Co-funded by the
Erasmus+ Programme
of the European Union

Workshop in Niš, September 2022

Final Conference, October 2022

<https://drive.google.com/file/d/1I1MxjCftYOLYw5eCF5inq6SZ3Y5pe1jx/view>



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

University of Belgrade, Serbia

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

FINAL MEETING AGENDA

October 9th -11th, 2022

University of Belgrade, Serbia
Rectorate building, Studentski trg 12-16, Belgrade, Serbia

Sunday, October 9th, 2022

12:00	Gathering
12:15 - 13:30	Refinement of the activities performed by partners from Belgrade and Granada, Moderator Siniša Djurašević
13:30 - 14:30	Preparing the exhibition stand

Monday, October 10th, 2022

09:30-10:00	Registration
10:00:10:15	Welcome and official opening of the Final conference <i>Rectorate of University of Belgrade</i>
10:15-10:30	Agenda overview - goal and expected outcomes of the meeting <i>Siniša Đurašević, University of Belgrade</i>
10:30 - 10:55	The project's history and evolution - rationale, objectives, partnership <i>Jelena Ignjatović, University of Niš</i>
10:55 - 11:30	Coffee break, Group photo
11:30-11:55	Preparation for strengthening teaching competences in the field of natural sciences and mathematics at the PC HEIs <i>Romeo Mano, Egeem Çabej University of Gjirokastr</i>
11:55 - 12:20	Upgrading educational infrastructure at the PC HEIs <i>Sladana Dimitrijević, University of Kragujevac</i>
12:20 - 12:45	Professional development of teaching staff <i>Jelena Matejić, University of Niš</i>
12:45 - 13:10	The formation of online learning environment <i>Andreja Tepavčević, University of Novi Sad</i>
13:10 - 13:35	Quality assurance and monitoring <i>Ardian Careva, Fan S. Noli University of Korce</i>
13:35 - 14:30	Lunch break
14:30 - 14:55	Dissemination and exploitation <i>Nebojša Jasnić (Siniša Djurašević), University of Belgrade</i>
14:55 - 15:20	Management of the project <i>Jelena Ignjatović, University of Niš</i>

CENTER FOR PROFESSIONAL DEVELOPMENT

The Center for Professional Development was established at the Faculty of Science and Mathematics, Nis, Serbia, on 12.02.2019.

The work of the Center is conditioned by the need to create an organisational presumption for the performance of Life Long Learning education.

The Center for Professional Development performs the following activities:

- development and implementation of trainings, Continuous Professional Development courses and modules, issuing certificates of completed training for the participants;
- organization of seminars and conferences dedicated to promoting the activities of the center and attracting new students;
- preparation and organization of workshops, courses and training for students and staff from faculties, universities, enterprises, etc.;
- coordination of cooperation with foreign universities within international projects in the field of Life Long Learning education;
- organization of training for acquiring competences from pedagogical, psychological and methodical disciplines, according to accredited programs;
- accreditation of Continuous Professional Development courses.



Faculty of Science and Mathematics, Nis, Serbia

Rulebook on CPD of teaching staff



Tatjana Andjelković

23.08.2022.

ПРЕДМЕТ: Предлог измена и допуна Правилника о раду и организацији Центра за професионално усавшавање

1. У члану 3., став 3, додати после В:

Г. Програм образовања високошколских наставника у области методике и педагогије високошколске наставе

2. Ставку под Г., променити у ставку под Д.

3. После члана 4, убацити члан 5, и извршити ~~ре~~ренумерацију чланова који следе:

Право пријављивања за стицање образовања високошколских наставника у области методике и педагогије високошколске наставе имају сва заинтересована лица запослена на високошколским институцијама која имају потребе за стицањем нових вештина, знања и компетенција у области реализације високошколске наставе.

Приликом организовања обуке из става 1., овог члана, Факултет упућује и позив високошколским институцијама које су биле партнери пројекта **Erasmus+ TeComp** (Project No. 598434-ERP-1-2018-1-RS-ERPKA2-SVNE-JP) када обезбеђује on-line учешће ових иностраних учесника. У случају организације обуке са иностраним партнерима, званични језик обуке је енглески.

4. Члан 7 да гласи:

~~Делокруг рада Програмског савета је:~~

- ~~- утврђује предлог стратегијског плана Центра,~~
- ~~- утврђује предлог годишњег програма рада и план активности Центра,~~
- ~~- утврђује предлог финансијског плана Центра,~~
- ~~- подноси годишње извештаје Наставно-научном већу о свом раду,~~
- ~~- утврђује предлог програма обуке,~~



Aleksandar Bojić

The strategy for IQ of T&L developed



MANAGEMENT

CONSORCIUM EU PARTNERS

University Of Oviedo – UNIOVI



Dr. Luis J. Rodríguez-Muñiz, Full Professor
Institution: University of Oviedo, Department of Statistics & OR and Mathematics Education
E-mail: luisj@uniovi.es
Research field and areas: Mathematics Education, Statistics Education, Mathematics Teacher Training

MANAGEMENT



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



Dr. Laura Muñiz-Rodríguez, Assistant Professor
Institution: University of Oviedo, Department of Statistics & OR and Mathematics Education
E-mail: munizlaura@uniovi.es
Research field and areas: Mathematics Education, Statistics Education, Mathematics Teacher Training



Noelia Rico Pachón, Researcher
Institution: University of Oviedo, Department of Computer Science
E-mail: noeliarico@uniovi.es
Research field and areas: Aggregation methods in machine learning, application for data analysis in real problems.



Dr. Irene Díaz, Full Professor
Institution: University of Oviedo, Department of Computer Science
E-mail: sirene@uniovi.es
Research field and areas: Fuzzy sets extensions, Data privacy with fuzzy partitions, Edge detection in image processing, Fuzzy preference relations in human reliability.

MANAGEMENT

CONSORCIUM EU PARTNERS

Matej Bel University In Banska Bystrica – UMB



Dr Vladimír Janiš, Full Professor
Institution: Matej Bel University, Faculty of Science, Banská Bystrica
E-mail: vladimir.janis@umb.sk
Research field and areas: Mathematics, Fuzzy set theory, Aggregation functions

MANAGEMENT



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



Dr Ingrid Turisová, Assoc. Professor

Institution: Matej Bel University, Faculty of Science, Banská Bystrica

AddrE-mail: ingrid.turisova@umb.sk

Research field and areas: Plant ecology, Management of biotopes, thematical and Statistical modeling, Plants population biology

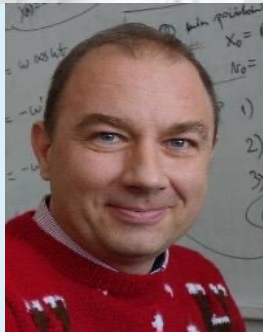


Dr Katarína Trnková, Assistant Lecturer

Institution: Matej Bel University, Faculty of Science, Banská Bystrica

E-mail: katarina.trnkova@umb.sk

Research field and areas: limnology, paleolimnology, protozoology, parasitology.



Dr Boris Tomášik, Full Professor

Institution: Matej Bel University, Faculty of Science, Banská Bystrica

E-mail: boris.tomasik@umb.sk

Research field and areas: Phenomenology of ultrarelativistic nuclear collisions, Education of Physics.

MANAGEMENT

CONSORCIUM EU PARTNERS

Ghent University – UGENT



dr. Martin Valcke, Full professor

Institution: Ghent University, Faculty of Psychology and Educational Sciences, Department of Educational Studies

E-mail: martin.valcke@ugent.be

Research field and areas: Innovation Higher Education, Performance indicators, Professional Development, Change Management

<http://orcid.org/0000-0001-9544-4197>

MANAGEMENT



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



Dr Britt Adams, Scientific Researcher
Institution: Ghent University, Faculty of Psychology and Educational Sciences,
Department of Educational Studies
E-mail: britt.adams@ugent.be
Research field and areas: Professional Development, Higher Education research
<https://orcid.org/0000-0003-2478-8755>



Maxime Moens, Scientific Researcher
Institution: Ghent University, Faculty of Psychology and Educational Sciences,
Department of Educational Studies
E-mail: britt.adams@ugent.be
Research field and areas: Professional Development, Strategic Human Resource
Management
<https://orcid.org/0000-0003-3208-4256>

MANAGEMENT

CONSORCIUM EU PARTNERS

University Of Granada – UGR



THE FORMATION OF ONLINE LEARNING ENVIRONMENT



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



Dr María C. Cañadas, Full Professor

Institution: University of Granada-Faculty of Science Education

E-mail: mconsu@ugr.es

Research field and areas: Mathematics education, mathematics teacher training, algebraic thinking, numerical thinking, teaching and learning mathematics at the childhood education, teaching and learning mathematics at the elementary education.



Dr Antonio Moreno, Assistant Professor

Institution: University of Granada-Faculty of Science Education

E-mail: amverdejo@ugr.es

Research field and areas: Mathematics education, mathematics teacher training, algebraic thinking, teaching and learning mathematics at high education.

MANAGEMENT

CONSORCIUM EU PARTNERS

University Of Ostrava – UO



MANAGEMENT



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



Prof Irina Perfilieva, Full Professor

Institution: University of Ostrava

E-mail: irina.perfilieva@osu.cz

Research field and areas: Mathematics, Fuzzy Transform, Fuzzy Topology, Image Processing, Computer Graphics



Dr Petra Murinová, Associate Professor

Institution: University of Ostrava

E-mail: petra.murinova@osu.cz

Research field and areas: Mathematics, Natural Fuzzy Logic, Partial Fuzzy Logic, Fuzzy Association Analysis



Dr Martin Dyba, Assistant Professor

Institution: University of Ostrava

E-mail: martin.dyba@osu.cz

Research field and areas: Mathematics, Fuzzy Modelling, Fuzzy Sets, Fuzzy Logic



DISSEMINATION & EXPLOATATION



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

DISSEMINATION OF THE PROJECT RESULTS

https://drive.google.com/open?id=1OGBDBaaCra_V5_lmyK0enyjeqklm_qyp&authuser=jekaignjatovic73%40gmail.com&usp=drive_fs