











Inter-project coaching of BAEKTEL and CaSa TEMPUS projects

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Presentation outline

Tempus project BAEKTEL

Objectives of the project

Software solution for BAEKTEL

Edx platform

CaSa-BAEKTEL cooperation

Conclusion





Tempus project- Blending Academic and Entrepreneurial Knowledge in Technology Enhanced Learning (BAEKTEL)

Main tasks:

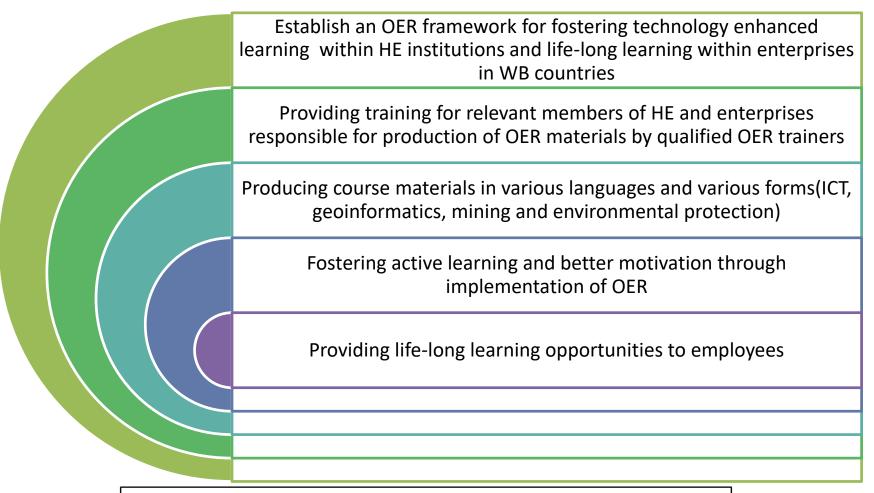
- Creating OER content
- Establishing cooperation between academic institutions and enterprises in the purpose of sharing knowledge

Open Educational Resources: OER materials are educational materials that can be freely accessed, changed, reused and shared. They include courses, textbooks, videos, tests, software ...





Objectives of the project

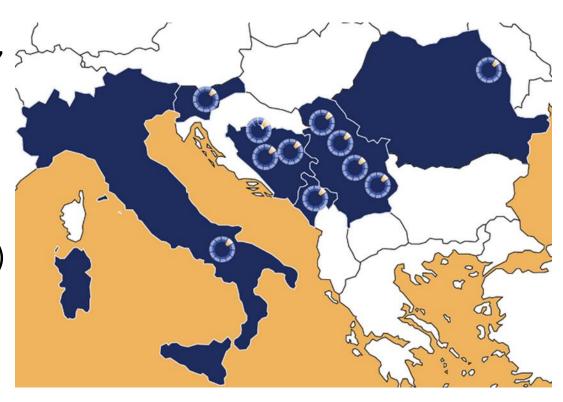






Collaborators and partners

- Six universities from Western Balkan (Beograd, Kragujevac, Niš, Banja Luka, Tuzla, Mediterranean)
- Three universities from European Union (Basilicata, Lasi, Ljubljana)
- Two leading enterprises (Nis-Gazprom Njeft, Arcelor Mittal Prijedor)





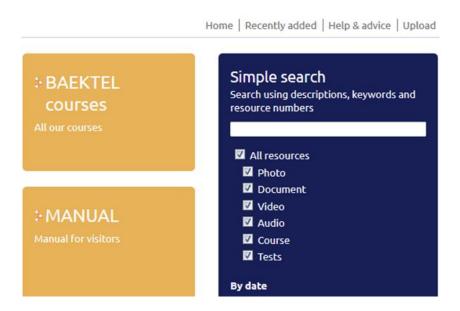


Software solution

EdX platform



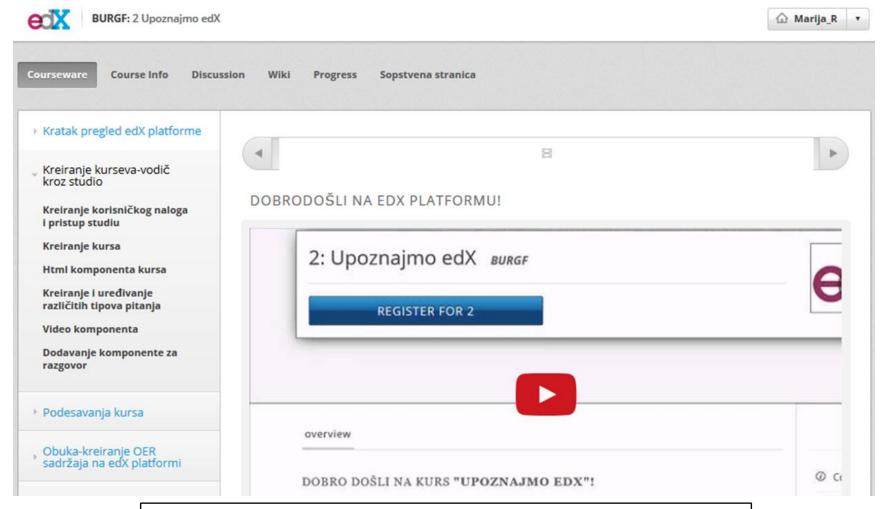
Resource Space







edX course



Building Capacity of Serbian Agricultural Education to Link with Society Coordinator: University of Belgrade Faculty of Agriculture





Izgradnja kapaciteta srpskog obrazovanja u oblasti poljoprivrede radi povezivanja sa društvom Koordinator:Univerzitet u Beogradu Poljoprivredni fakultet



TEXT INPUT (1 point possible)

A text input problem accepts a line of text from the student, and evaluates the input for correctness based on an expected answer. The answer is correct if it matches every character of the expected answer. This can be a problem with international spelling, dates, or anything where the format of the answer is not clear.

Which US state has Lansing as its capital?

"heck

NUMERICAL INPUT (3 points possible)

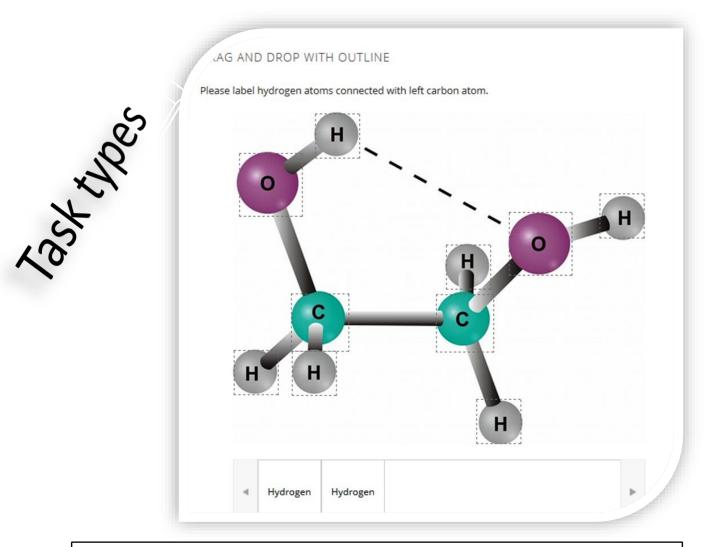
A numerical input problem accepts a line of text input from the student, and evaluates the input for correctness based on its numerical value.

The answer is correct if it is within a specified numerical tolerance of the expected answer.

Enter the numerical value of Pi:







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Dropdown		& EDIT
DROPDOWN	1 point possible)	
options in a format tha	ive a limited set of options for student it encourages them to search for a spe I with options from which to recognize	_
The answer options an	d the identification of the correct answ	wer is defined in the optioninput tag.
Translation between D	ropdown and is extremely s	straightforward:
•		
Multiple Choice		
Text Input		
Numerical Input		
ternal Response		
'e Response		





Task types

MULTIPLE CHOICE

(1 point possible)

A multiple choice problem presents radio buttons for student input. Students can only select a single option presented. Multiple Choice questions have been the subject of many areas of research due to the early invention and adoption of bubble sheets.

One of the main elements that goes into a good multiple choice question is the existence of good distractors. That is, each of the alternate responses presented to the student should be the result of a plausible mistake that a student might make.

What Apple device competed with the portable CD player?

- The iPad
 - Napster
 - The iPod
 - The vegetable peeler







COURSE

UNIT

SECTION

UNIT

Main didactical criteria for OER development

Principle of systematization and gradualism in the teaching process

Didactic principle of science



UNIT

SECTION

UNIT

Principle of active role of end users in learning process

Connecting theory and practice

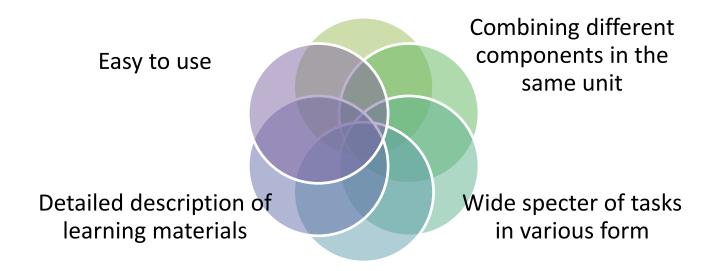




Advantages of edX platform

(in line with didactical criteria)

Allows adding and easy editing videos, tasks, texts...



Monitoring a progress of users





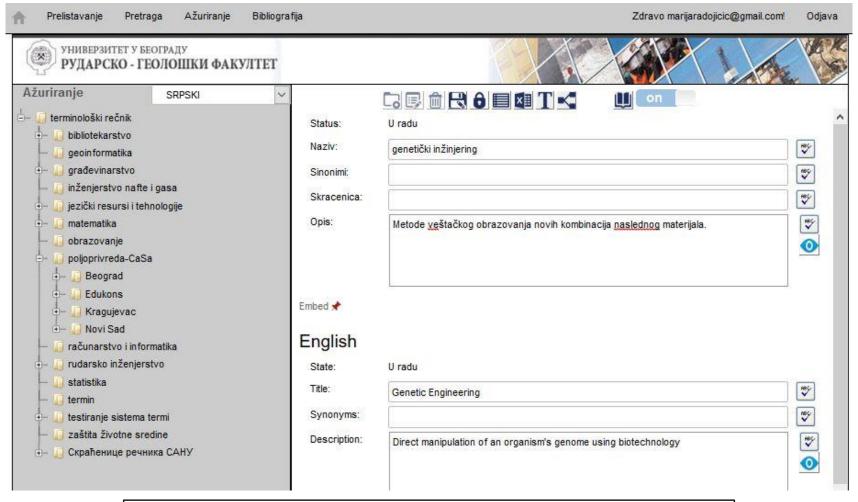


- The importance of terminological resources in electronic format is growing with the rapidly expanding availability of various texts on the web
- Terminological resources are important for many applications
- Machine translation systems and cross-language information retrieval emphasize the need for bilingual and multilingual terminological resources.
- Terminological resources also have a strong educational impact: proper terminology related to that domain both in their mother tongue, and in other languages.
- Hence the need to integrate terminological resources in e-format into the e-learning environment.





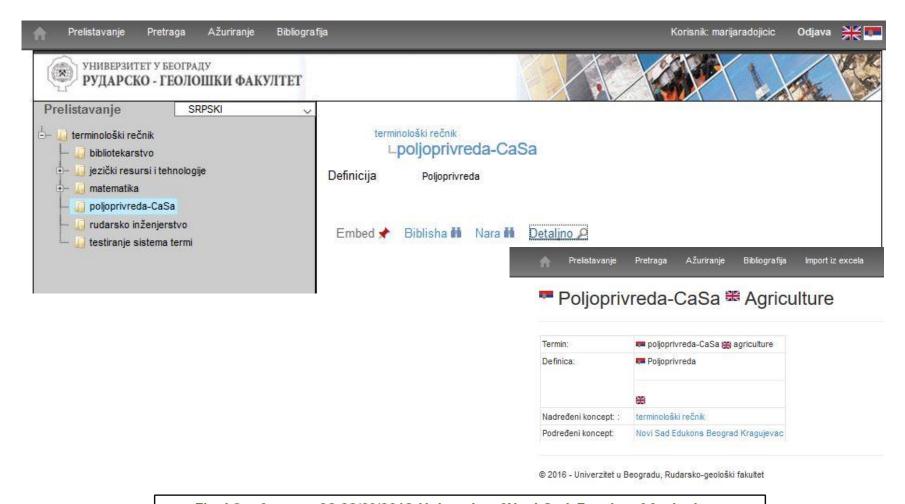
CaSa's terms-cooperation between projects







CaSa's terms-cooperation between projects

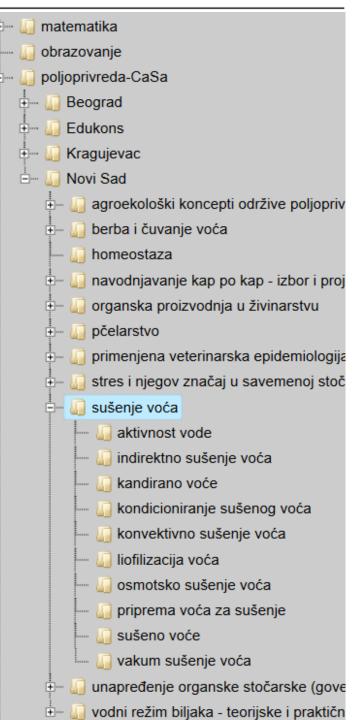


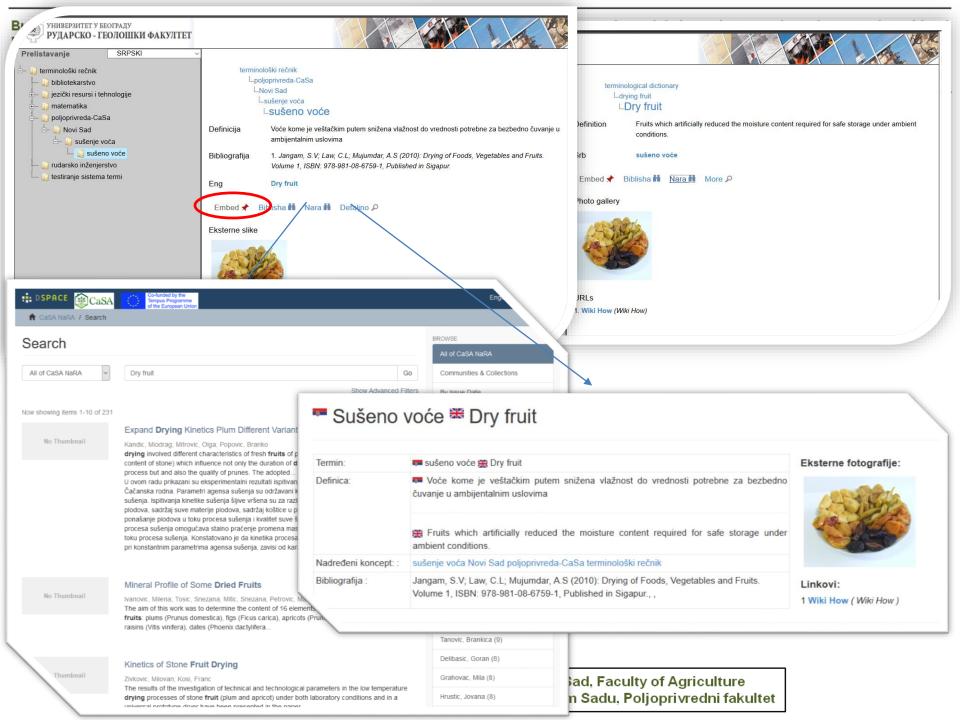




CaSa's terms in Termi cooperation between projects

- 4 Universities
 - Belgrade, Novi Sad, Kragujevac,
 Educons
- ~34 excel files imported
- ~400 terms from the course
 - Serbian+English
 - Term+Definition
 - Bibliography
- Terms verification in progress

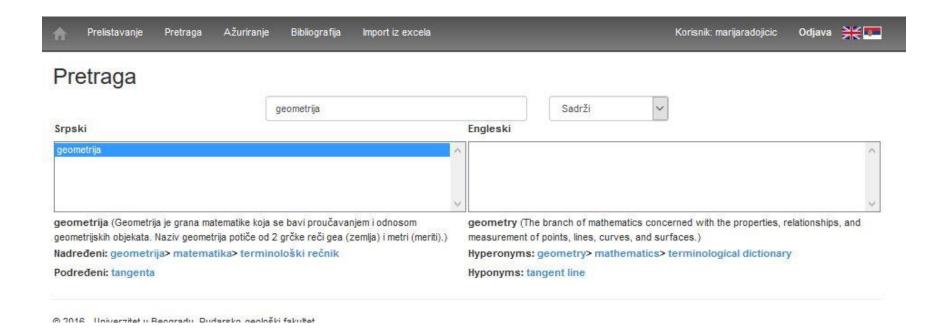








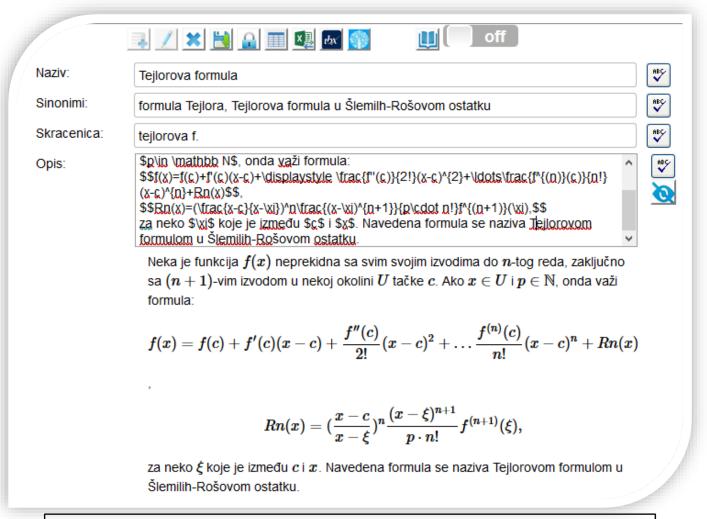
Billingual search in TERMI







LaTeX formulas in TERMI





Linking terms from courses to Termi

Rešenje

Jednačine tangenti koje su paralelne zadatoj pravoj su oblika

$$y=2x+egin{bmatrix} ext{Tangenta je prava koja u datoj tački} \ ext{dodiruje krivu. [...]} \end{bmatrix}$$

Uslov dodira za kružnicu i pravu je

$$r^2(k^2 + 1) = n^2.$$

$$5(4+1) = n^2$$

$$n = \pm 5$$

$$2x - y \pm 5 = 0$$





Linking terms from courses to Termi

tangenta - lična karta termina

tangenta tangenta		
Naziv:	tangenta	
Opis:	Tangenta je prava koja u datoj tački dodiruje krivu.	
Naziv(Eng):	tangent line	
Opis(Eng):	Tangent line to a plane curve at a given point is the straight line that touches the	
Opis(Erig).	curve at that point	
Nadređeni koncepti:	geometrija matematika terminološki rečnik	
	The Crooked Made Straight: Roberval and Newton on Tangents, Wolfson, Paul R	
Bibliografija:	2001	

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Conclusion

By implementing and promoting the use of modern learning platforms such as edX, BAEKTEL should help raise the quality of education, while at the same time, by analyzing the usage data, improve the process of teaching in general

We expect that the network developed within this project will continue to develop after project termination featuring a wide range of materials on various topics

Institutions that are not project partners are invited to join us in exploring educational platforms and in creating Open Educational Resources within the BAEKTEL project





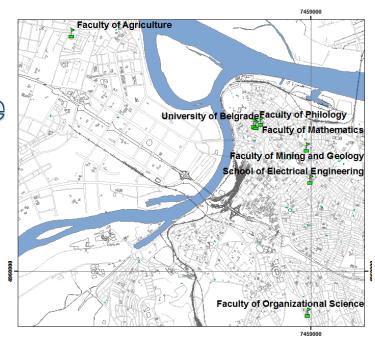






- Thank you for your attention
- Grazie per la vostra attenzione
- · Vă mulţumesc pentru atenţie
- Hvala za vašo pozornost
- Hvala na pažnji
- Жвала на пажњи





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