1. SP4CE portal usage scenarios

Purpose of the case study

Today, ICT increasingly penetrates into the various sectors of human life. There are present voices from the students and practice that provided education is not adequately linked to the practice. In order to enable universities to prepare students for practice, it is necessary to involve practice into education actively. In our case, an example is presented through the advertisement of XXII. Multimedia in Education conference, which we usually visit every year to present our projects and results and to get information about other education professionals' projects.

Implementation of SP4CE portal

SP4CE Portal (available at sp4ce.eu) presents interesting solutions of above described problem. The portal itself contain online information about the project SP4CE itself, guides for particular target groups (coaches, mentors, students), interesting learning materials, contributions to the various conferences and from the point of view of the above-described problem solution special part – challenge/call: "*Send us your project proposal*". Via this challenge can anyone call for the help. It is tool for looking for people interested in solving different kind of problems or for searching the partners for future cooperation operating in same of different areas. In the case of match of the challenge participants, administrator creates a Learning Room, specialized place, where can all together cooperate after signing up to a system. This challenge process works on the principle developed within EACEA project "*OpenInn2.0: A Knowledge Generating House and e-Assessment Model*", where the platform Knowledge Generating House was used to generate groups of investigators and innovative solutions to very specific problems. There is another special menu points on the portal, named Learning Rooms, Learning Materials and Conferences.

Who are the users?

- Project managers – they share information and dissemination events with the interested parties
- Teachers and researchers – they are interested in the projects outcomes
- Students – they will use the project outcomes, they are the main beneficiaries of the project

How they can use portal?

- Read general information – all users have access to general information (about SP4CE project, different kind of guides, learning materials, conference papers, etc.).
- Search for partner among education institutes – via link: "*Send us your project proposal*" can anybody publish a challenge for searching new partners, problem solution.
- Get information about upcoming and past conferences via link: http://sp4ce.eu/en/conferences

Resources

There is no need to any special software for using portal sp4ce.eu. The portal is accessible via any web-browser (eg. Google Chrome, Mozilla Firefox, IE, etc.).

The Case

A conference (XXII. Multimedia In Education - Keszthely) was introduced through the portal, which aims to foster the exchange of experiences and meeting of professionals in the different fields of education, research and development. We wanted to invite our partners to join the conference to present them our projects (SP4CE, RELM, Remo and Plentis) and to the professionals of the educational field: teachers, researchers and PhD students.

How it was realized?

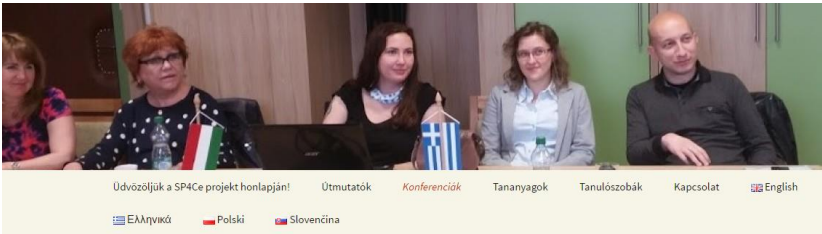- Using portal sp4ce.eu we have published the conference (Fig. 1).

	Trebag Ltd. 2016 May
Üdvözöljük a SP4Ce projekt honlapján! Útmutatók *Konferenciák* Tananyagok Tanulószobák Kapcsolat 🇬🇧 English Ελληνικά Polski Slovenčina **Konferenciák** XXII. Multimédia az oktatásban" konferencia Keszthely, 2016. Június 3-4.	Advertisement of XXII. Multimedia in Education Conference Description: A conference (XXII. Multimedia In Education - Keszthely) was introduced through the portal, which aims to foster the exchange of experiences and meeting of professionals in the different fields of education, research and development. Language: Hungarian Deadline: 02.06.2016

Fig. 1 Screenshot of sp4ce.eu portal and example of published conference

- Interested professionals have come to the conference

Findings, recommendations and variations
How it develops partnership cooperation

Through publishing challenge, portal SP4CE presents a gateway for establishing cooperation The advantage of this open SP4CE portal is that to one advertised conference can ask users from different institutions to join, which further can work together also on other projects in other areas.

Possible risks

- Most significant risk should be lack of interest form users, i.e. despite the publication of the conference call, no one will respond and the challenger will have to use other ways of establishing cooperation.
- Another risk may be presented by huge interest in cooperation and following hard decision with whom to establish co-work together.
- Time limitations – in case that the challenger specify the time limit for achieving the reply or solution, it can happen that nobody will manage to join the conference during expected time.

What not to do / be aware of the following

It is important to define the call very precisely with useful details to avoid misunderstandings. Very general call could meet with disinterest of other users.

Summary

Guideline Summary			
Kind of education			
Non formal	Vocational	Secondary	University
			X
Identification of involved users roles			
Coach (company)		Mentor (teacher)	Students
X		X	X
Focus area			
Project management			
Main objectives and goals			
Teachers			
• To know new tools to educate students			
Students			
• Know new education tools through the presented projects			

2. Learning rooms usage scenarios

Purpose of the case study
Using sp4ce.eu portal a job offer (project manager) at Trebag Ltd. was published.

Implementation of SP4CE Learning Rooms
Platform SP4CE and its Learning Rooms (available at http://sp4ce.moodle.pl/) allows user registration and role assignment particular LRs (Fig. 2). For using this space, every user has to register into system. Range of features and tools depends on the role of the user within the particular LR. Possible roles are manager, course designer, teacher, student, guest and registered user. Based on the role user has available different group of sources, tools.

Fig. 2 Welcome screen of SP4CE Learning Rooms

Every SP4CE LR is concerned on specific problem that company face and publishable sources to help students understand the problem itself. Teacher help coach to provide materials that are useful for students, to prepare place for discussion, interactive cooperation, new solution proposals and evaluation.

Who are the users?
- Coach – HR manager of Trebag Ltd., who provides job calls and prepares learning rooms for discussion, interactive cooperation, new solution proposals of the interested job-seekers
- Mentor – Project manager of Trebag LTd who give an introduction to the available topics, to the main ideas and objectives needed to be achieved, help job-seekers to establish successful cooperation with the coach, help to coach to develop structure of the learning room using different available features.
- Students – job-seekers who are interested in the activities listed in the learning rooms and would like to find out solution to provided problem, work out assessments, and prepare project proposals.

How they can use LRs?
- Coach in cooperation with mentor (teacher) prepares LR structure. Within this phase they discuss LS available and useable features of LR, kinds of activities needed to be done by students (Assignments, Feedback, Chat, Forum, Workshop), resources (Book, File, Folder, Label, Page, URL), which will be used in LR. They agree on evaluation methods of final results, manner of its publishing and level of access.
- Mentor address students –via job portals and via company portal, via personal network or other way to register to the system and prepared LR.
- Students (job-seekers) could study provided materials and other resources, communicate with mentor or coach, work on project proposals, search or ask for additional information.
- Coaches and teachers manage all specific tasks needed to be done during the problem solution. LR users team consists of members with their own specialism and expertise, knowledge related to the problem to be solved. Everybody can use own competencies and skills to reach the best result.

- Coaches and mentors could evaluate and mark the students' activity and choose the best candidate from the applicants.

Resources

To access the LR the registration to LRs system and access key is needed. Key is provided by face-to-face communication, via e-mail by the mentor. For work with LR itself no special software is needed, just user preferred web-browser (i.e. Google Chrome, Mozilla Firefox, IE a pod.). Maybe the solution of particular problems and tasks requires some specific software, but users have to be informed about it within LR. To prepare project proposal students need to use ordinary MS Office applications – MS Word, MS Excel, MS PowerPoint.

The Case

The main objective of LR use was to raise the interest of job seekers on Trebag's activities and to try to find the most proactive and creative candidate and to know them and their way of thinking. We wanted to know if they have any original ideas on the ongoing projects or any ideas for a proposal.

How it was realized?

- Coach prepares the structure of LR (Fig. 3) containing presentations about main projects, objectives of the LR, best practices and information about activities. They fit it to company requirements in connection with pedagogical principles.
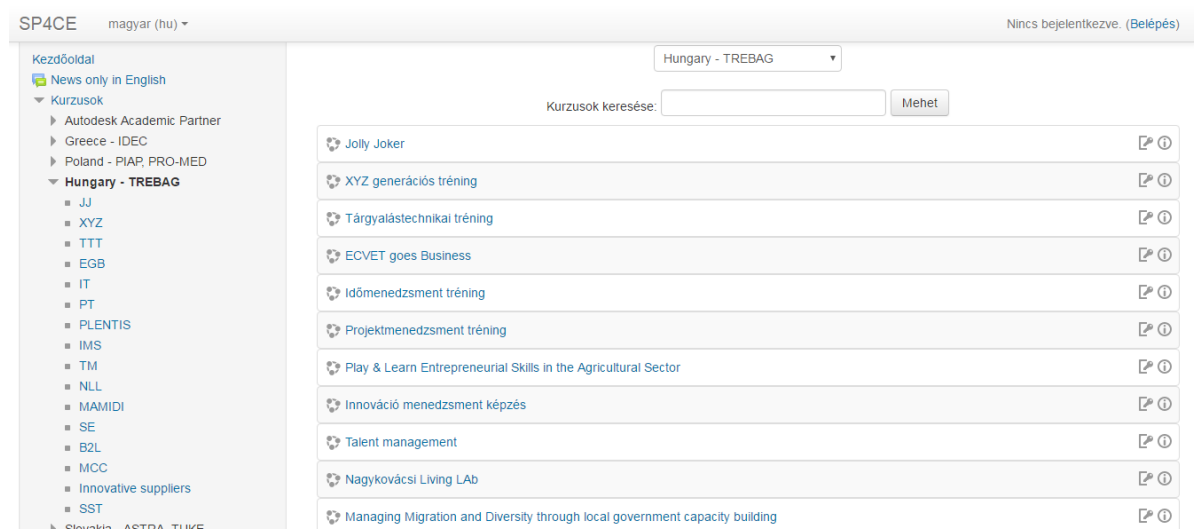

Fig. 3 Screenshot of the LRs

- Based on provided resources job seekers start to work out their suggestions and comments

- During the whole recruiting process, she/he should discuss his/her progress and ideas with the teacher, coach and other candidates in the class. They could use on-line chat, discussion forums or instant messaging feature.

Findings, recommendations and variations

Main findings

Using SP4CE LRs environment, teacher plays the role of a mediator helping to company representative (coaches) to define the tasks to be solved and sources needed to get deeper understanding the problem. On the other hand, teacher helps students, via employing personalized learning approaches, collaborative learning and critical thinking methods, in developing solutions and communications with company representatives.

How it develops partnership cooperation

The students develop their view of the matter around them and their creative access to its solutions. They learn methods and tools they can apply in their daily life operations.

Possible risks

Sharing ideas take some time, because of the more complex objective of the task. In case of the need for study of the work with ICT tools, there is the possibility of studying these materials from home and have on-line/off-line support from the coach or teacher via LR. The intellectual property rights of the ideas are not clear after the application period.

What not to do / be aware of the following

Do not take a too complex project challenges to which the students do not have any relation. Due to the high complexity of the project it is necessary to describe all the phases and expectations of the product very precisely, to provide examples and active feedback on the students on going activity.

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X	X	X
Focus area		
Recruitment		
Main objectives and goals		
Company		

- Provide practical example and exercise of its activities in real company conditions to the students
- Find skilled and motivated new employees
- Possibility to improve recruiting process
- Access to information about real knowledge and skills of students;

Teachers

- Access to contacts to people – possible future cooperation not only via SP4CE, but on projects, company education etc.;
- Reach overview to marketplace requirements – way how to improve the education content and style;
- Possibility to try e-learning methods, blended learning resp., what can be implemented into education at university;

Students

- Possibility to express their ideas and opinions and to find a new job
- Contact with reality – teamwork within real company team
- Possibility to check collaboration work style with different kind of people (nation, specialization, etc.)