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WinAPP Newsletter

20th March 2017

IN THIS ISSUE

The Start of a New Project

WinAPP is abbreviation for **Work process oriented, interactively enhanced and APP supported learning and training in construction VET in Europe**. The project started in October 2016. and will end in September 2018.

Work process orientation VET

Work process orientation is one of the key factors in construction VET, which among others decides upon the success of an individual in the labour market. The better entire (holistic) work processes are understood by skilled workers, the better worker and company fit together. The degree of work process orientation (or action orientation) as a pedagogic-didactic method in the initial vocational education and training (VET) on secondary level varies in a massive way in Europe.

What are the expected intellectual outputs and other benefits of the project?

Four intellectual outputs are expected:

- ⇒ a survey about work process orientation in Europe

- ⇒ APP content: development of digital media based work process orientation in VET
- ⇒ design and applying a testing structure
- ⇒ WinAPP: including activities which should lead to an effective feed back with target groups to have the best possible output at the end of the project

Nevertheless, we expect some more general results, inter alia (among others):

- ⇒ extending the digital media competence of all involved VET centre partners
- ⇒ job enrichment for the involved staff (VET-trainers) of the project partners
- ⇒ increased management skills of the involved partners
- ⇒ increasing the attractiveness of the branch
- ⇒ increasing the attractiveness of VET-centres related to companies and apprentices



In Europe VET on Secondary Level
Varies in a Massive Way

Page 3

FOR MORE INFORMATION

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Meetings in Vilnius and Madrid

The 1st International Meeting, Vilnius

The Kick-off meeting was in November 2016 in Vilnius, Lithuania. The system of work process orientation (WPO) in VET-training was explained. The poster which gives a systematic graphical overview was presented and explained in detail since this is a main didactical input for the work in WinAPP. As it is in the German language, the main and thus most important parts will be edited and translated into the English language to cope with partners' demands. Multiplier events will be realised by partners with 10 national and 5 international participants in the respective countries; BZB will have 10 national and 10 international partners.



Mrs Cerneckiene introduced the Vilnius Builders Training Centre to the participants.

The 2nd International Meeting, Madrid

The 2nd international meeting was 28th of February to 1st of March 2017 in Madrid, Spain.

Mr Bertelmann-Angenendt introduced some basic examples for work process oriented tasks from the classical methods – on paper. Additionally, he showed some “accompanying formats”. Not least, a demonstration of sequences from the project FAINLAB was presented to show how interactive learning was looking like as computer based training in 2007.

He explained that BZB would also develop a draft for masons, which could stand for a methodologic base for other intellectual outputs in this project. The partners FLC, VSRC and CEAP will later decide who is taking over high, interior and road buildings tasks.



Why is the Project Planned transnational?

As the labour markets in construction sector are not isolated and companies require flexibility, is necessarily that the project is planned transnational. For workers independent of their origin (also refugees) there should be an easy tool for devices they own in far majority (smartphones), to get familiar with the method and also with pilot contents.

To increase acceptance, the catalogue for self-contained tasks in this project will be defined by the project partners respecting the results of the interviews with VET-trainers/teachers and also apprentices in the very beginning phase of this project. The international

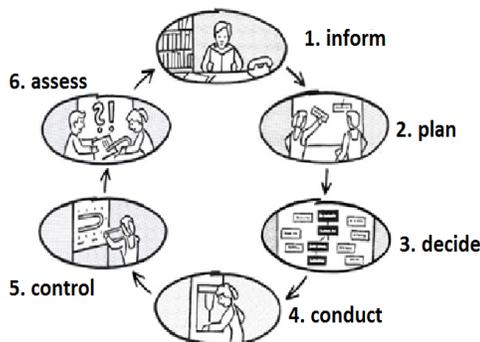
gathering of content for the APP as well as the promotion of a homogeneous approach for work process orientation throughout the partners countries (first steps) but also to third countries (second steps) should contribute to a European Labour Market in construction.

Countries involved in the project:

- ⇒ Germany
- ⇒ Italy
- ⇒ Lithuania
- ⇒ The Netherlands
- ⇒ Spain
- ⇒ Slovenia

In Europe VET on Secondary Level Varies in a Massive Way

The degree of work process orientation (or action orientation) as a pedagogic-didactic method in the initial vocational education and training (VET) on secondary level varies in a massive way in Europe. The scope varies from systems which base on conveying quite a high part of "only" theoretic knowledge and not highlighting the practical aspects, to systems with a big part of conveying practical knowledge and skills (work contract with a company before entering and while staying in VET). In some countries, the apprentices have a contract with a training centre and in others with a company in order to enter the VET-system in the construction sector. In the EU countries there are often systems of methodological steps in the work process orientation in VET. They range from rough 3 stages in countries (1. plan, 2. conduct and 3. control) to differentiated six steps in other countries (1. inform, 2. plan, 3. decide, 4. conduct, 5. control and 6. assess).



The German model

The German model by Prof. Uhe & Meyser (Berlin, 2006) is still the method of choice in the VET of the construction sector in Germany. It was developed among others by the promoter of WinAPP and is distributed by Christiani-Verlag. This model is one of the most differentiated and the most work process

oriented content conveying method in Europe.

Additionally German **six-step work process-model** is also embedded in the German Dual System, which is widely demanded in other European countries to compete on the transnational labour market and providing their workforce with better chances to attract a company working contract and thus lower unemployment rates.

The new interactively form - APP will cope with the need for updating the form of media

Nevertheless, the system developed in 2006 is based on classical media: print and DVD. So far, there is nothing existing in form of APPs for this. The existing catalogue of single working tasks to be conducted in VET by apprentices and VET-trainers/teachers should be adapted to the state of the art for mobile devices - smartphones and tablets. The suitability of this tasks' catalogue is easy to explain, because there is always a self-contained task dedicated to the apprentice, starting with a customer's assignment. Then the apprentice has to inform him-/ herself about possibilities how to start the job, plan the work steps, decide on material and methods, conduct the work, control the quality of work and eventually assess the whole process from the starting point.

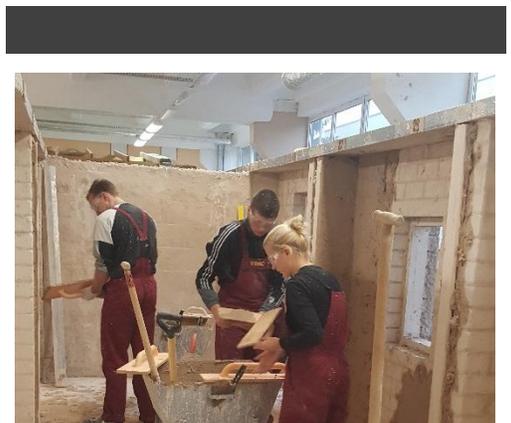
This holistic methodologic approach gets even more important not only in Germany but beyond, because VET and any preparing measures for becoming construction worker is oriented towards working processes, assignment processes and business processes in the wider sense. A more intense awareness of these single steps helps apprentices at an early stage of their professional career to cope with the necessities of the future oriented method of Building Information

Modelling (BIM), in which all steps in the working process have to be documented etc.

The objective here is to analyse in detail the existing models and methods of work process orientation and the degree of application in VET in the partner countries by

- ⇒ desk research and
- ⇒ interviews with VET-trainers or teachers and apprentices.
- ⇒ This should lead to a realistic approach:
- ⇒ How to cope with current requirements by the applying target groups
- ⇒ How an APP should look like, what it should provide and which should be the core contents in terms of conveying method and practice.

The APP-development will incorporate versions for apprentices and VET-trainers/teachers. The new form (APP) will cope with the need for updating the form of media and thus the acceptance to work with the contents and methods. Eventually this should open new chances for young people to enter the labour market and lower youth unemployment rates.



APP will contribute to a greater apprentice's awareness about the individual steps

A more intense awareness of these single steps helps apprentices at an early stage of their professional career to cope with the necessities of the future oriented method of Building Information Modelling (BIM). The APP-development will incorporate versions for apprentices and VET-trainers/teachers.

Upcoming Events

WinAPP multiplier events

WinAPP Dutch Project Info Day	25-06-2018
WinAPP Slovenian Project Info Day	25-06-2018
WinAPP Italian Project Info Day	25-06-2018
WinAPP Lithuanian Project Info Day	25-06-2018
WinAPP Spanish Project Info Day	25-06-2018
WinAPP German Project Info Day	21-09-2018

JUNE 2018						
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Project Partners



BZB

Bildungszentren des
Baugewerbes e.V.



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