AQUILONIS d.o.o.

SREDNJA EKONOMSKA ŠOLA
IN GIMNAZIJA MARIBOR

SVEUČILIŠTE U ZAGREBU
FAKULTET ELEKTROTEHNIKE I RAČUNARSTVA

TARTU KUTSEHARIDUSKESKUS
ZAVOD ANTONA MARTINA SLOMŠKA MARIBOR

PROJECT NO.
2020-1-HR01-KA226-SCH-094735

ACTIVE LEARNING THROUGH IMPROVED INTERACTIVITY

This project has been funded with support from the European Commission. This publication reflects the views only of the author, and the Commission cannot be held responsible for any use which may be made of the information contained therein.

1. Intellectual output

1. Innovative tool to encourage interactivity – AudIT
2. LMS (Learning Management System) with methodological instructions and examples
3. Interactive expert systems for use
4. Interactive expert installation system

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Intellectual output

Faculty of Electrical Engineering and Computing

The main division of tasks:

FER - programming and delivery of AudIT with instructions, design the tool in cooperation with other project partners, design a software solution, build and install it on the server and test in cooperation with project partners.
They will create educational materials for the use of tools and for installation in their own ICT environment. They will hold webinars to use and install the tools.

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Intellectual output

TARTU KUTSEHARIDUSKESKUS

The main division of tasks:

KHK - methodical instructions and decision tree development when building an interactive expert system; bring together 25 teaching associates who will use the tool in their teaching and create examples of methodological practice in STEM subjects. They will also prepare educational materials for self-study. Before that, FER will teach them the use of tools and theoretical methodological bases.

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Intellectual output

The main division of tasks:

SES-MB - methodical instructions; will bring together 25 teaching associates who will use the tool in their teaching and create examples of methodological practice in socio-humanities subjects. He will prepare andeducational materials for self-learning. Before that, FER will teach them the use of tools and theoretical methodological bases.

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Intellectual output

ZAVOD ANTONA MARTINA SLOMŠKA

The main division of tasks:

ZAMS - methodical instructions; will bring together 25 teaching associates who will use the tool in their teaching and create examples of methodological practice in socio-humanities subjects. He will prepare andeducational materials for self-learning. Before that, FER will teach them the use of tools and theoretical methodological bases.

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Intellectual output

The main division of tasks:

Aquilonis - will lead the project and establish cooperation with the education authorities and teachers' associations of the EU countries and candidate countries in order to disseminate the results of the project. He will organize webinars where teachers from partner organizations will teach interested subject teachers from EU countries the methodology of increasing the interactivity of lectures.

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Intellectual output

The main division of tasks:

All consortium partners will participate in webinars. All consortium partners will participate in reviews, testing and surveys during tool development.

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2. Intellectual output - AudIT

Activities: Workshop, organized by the Coordinator, where all partners, under the leadership of FER, will design the user interface and ways to use the intended functionalities of the AudIT tool with goals:

Easy, intuitive and effective use for both teachers and students, with minimal distraction in the educational process.

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2. Intellectual output - AudIT

FER will define the architecture of the AudIT system so that a single installation can support a large number of users without the need for significant infrastructure expansion and without the need for dailyby maintaining the system.FER will independently design and build the AudIT, and then it will be tested on two occasions in its educational practice by all partners. After FER implements the identified needs for changes indesign and programming will be tested by end users as well.

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2. Intellectual output - AudIT

Despite striving to make use intuitive, AudIT will have a number of usage modalities that will be described in detail in interactive instructions consisting of textual and graphical descriptions, photo comics and video instructions. In addition, FER will develop an expert system for the use of AudIT, which will allow users to quickly navigate through the decision tree to quickly reach explanations they need. In the same way, instructions and an expert system for installing AudIT on your own server will be developed, which some educational organizations or systems, either to upgrade the system for their specific needs, or to have their students 'answers and questions found only on the computer equipment under their jurisdiction and control.

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2. Intellectual output - LMS (Learning Management System) with methodological instructions and examples

Activities: Although theoretical assumptions and practical needs for interactivity were identified during the preparation of this project proposal, before the development of AudIT tools and methodologicalinstructions for increasing interactivity, all partners of the consortium will at the very beginning of the project independently identify the needs and obstacles for their satisfaction in their work and theirimmediate educational environment. In the workshop, all the identified needs will be harmonized in the definition of general needs and needs specific to some subjects or some educational environments andsystems. It will be decided what specific needs the project can and should meet.

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2. Intellectual output - LMS (Learning Management System) with methodological instructions and examples

After a workshop on the interactivity of lectures and other educational procedures based on cognitive and constructivist theories of school learning that members of the consortium willprepare initial methodologies and examples for typical groups of subjects to be agreed upon in a special workshop. The scope of methodologies, the way of describing and connecting with will be agreedexamples and other methodologies.

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2. Intellectual output - LMS (Learning Management System) with methodological instructions and examples

They will then develop methodologies for individual subjects or groups of subjects when methodically justified. They will make three initial examples for each processed case.Consortium partners will check each other's methodological instructions and examples and provide feedback for the necessary corrections that will be applied to what has already been done and during the development.

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2. Intellectual output - LMS (Learning Management System) with methodological instructions and examples

Through workshops with end users that will be conducted by the authors of methodologies for individual subjects, final corrections will be obtained, which should be carried out on the prepared methodological instructions andexamples of good practice.All methodological instructions and examples will be organized as self-study material within the LMS system developed by Aquilonis.

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3. Intellectual output - Interactive expert systems for use and Interactive expert installation system

Project coordinator - Aquilonis will develop instructions and expert system for the use of AudIT and instructions and an expert system for the installation of AudIT.
Expert system for the use of AudIT will include videos, photos, text documents, answers to questions - designed as a decision tree that will allow teachers to easily find the necessary information and responses on the use of AudIT.
The Expert Audit Installation System will include instructions on how to store a copy of AudIT on its own server (for reliability, adding functionality or privacy of student answers and questions).

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THANKS!

Any questions?

You can find me at:

- altii.team@aquilonis.hr

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