VITALISING ICT RELEVANCE IN AGRICULTURAL LEARNING

From VIRAL to real

project achievements

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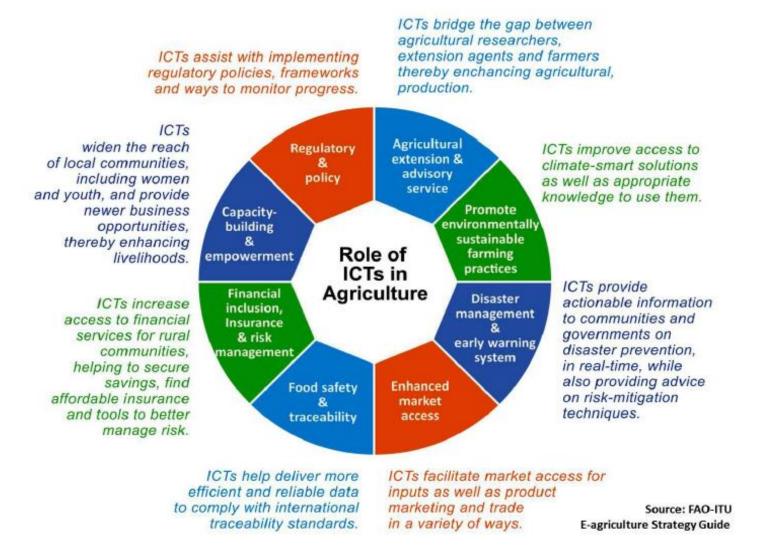


"The role and importance of ICT in Agriculture future development"

VIRAL workshop



Figure 1: Role of ICT in agriculture





http://viralerasmus.org/en/home/



PARTNERS



Partners

(universities, private companies, NGOs)





PROJECT AIM

Overall project aim of VIRAL to support university and business collaboration (UBC) through accelerating the use of ICT across Western Balkans agro-communities. The concept is led by relevant regional AET facilities and based on enabling the use of different ICT solutions/techniques/tools in the classroom and outside of it in order to obtain desired integration of agriculture and it engineering which in effect reinforces UBC across regional agro communities.







SO1: to increase the capacity of HEIs to apply and generate ICT in AET and practice

SO2: to improve effectiveness and employability of AET graduates

SO3: to boost academic-business cooperation regional platform for sustainability, networking and exchange within agricultural and technological communities







Work packages



- WP 1 **Preparation**
- WP 2 Building competences in AIT
- WP 3 Development of Student pitching competitions hackatons
- WP 4 Creation of University-Business cooperation platform
- WP 5 Knowledge transfer across Agri-community
- WP 6 Quality assurance
- WP 7 Results dissemination & exploitation
- WP 8 Management



From VIRAL...



...to



WP1.1.Comparative analysis report (<u>link</u>) WP1.2.Needs assessment report (<u>link</u>)

Both reports were carried out. The input data was collected through the questionnaire surveys which were carried out in all participating countries (BA, ME, RS, SI, RO, NL). Surveyed population include: 256 farmers, 89 extension service providers, 164 professors i 643 students.

WP1.3. Web http://viralerasmus.org/
WP1.4. Introduction conference (link), (link))





WP2.1.Educational seminar on ICT in agriculture

Introduction seminar on ICT in agriculture was prepared and delivered by WU online. 87 persons applied and 77 attended the seminar. (<u>link</u>)



WP2.2. Training sessions

ompleted agriculture, First ToT training session focusing on training was held in Tuzla. 47 persons attended were online (link).



Second ToT training session focusing on training in ICT and agriculture, was held in Mostar. 39 persons attended the training, out of which 16 were online (link).





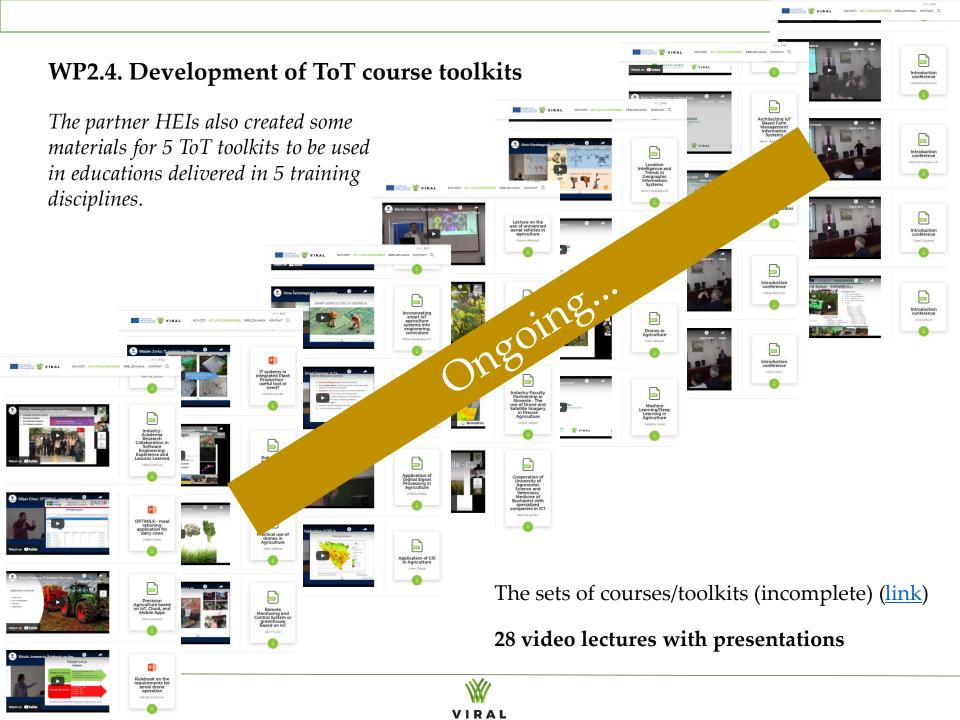
WP2.3. Creation of University ToT

Following the completion of 2 training sessions cross-institutional ToT teams of educators were tuted for all 5 disciplines: IoT; Mobile Applications; Drones in Agriculture; Robotics in Agriculture; GIS









WP2.6. Practical Guide for the use of ICT in AET

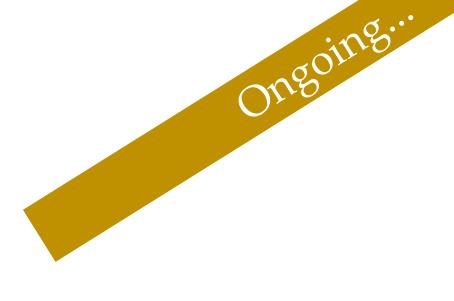
Practical guide for the use of ICT in agriculture in English (link)
Practical guide for the use of ICT in agriculture in Serbian (link)
Practical guide for the use of ICT in agriculture in Croatian (link)
Practical guide for the use of ICT in agriculture in Bosnian (link)
Practical guide for the use of ICT in agriculture in Montenegrin (link)





WP2.7.Creation of crash course on ICT in agriculture

In the period covered by this report the structure of the crash courses has be developed. The structure covers 5 specific fields: IoT; Mobile Application in Agriculture; Robotics in Agriculture; GIS). The structure of each a has also been developed, along with design and training materials for and learners.

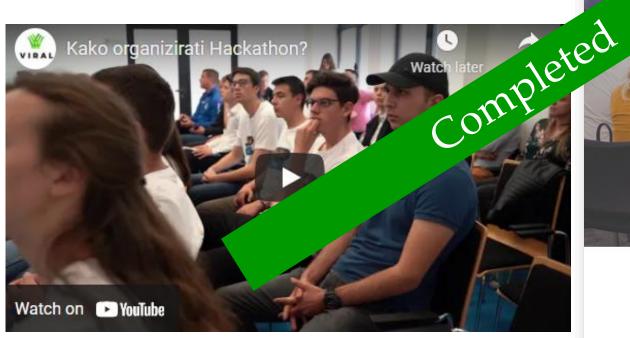




WP.3.1. DEVELOPMENT OF STUDENT PITCHING COMPETITIONS – HACKATONS

Video guide for organizing student pitching competitions (<u>link</u>) Guidelines for organizing student pitching competitions (<u>link</u>)

Manual for organizing student pitching competitions (<u>link</u>)







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#viralhakaton

WP4.1.Introduction seminar on university-business cooperation

The Introduction academic-business cooperation (ABC) seminar was held online via ZOOM with participation of more than 60 professors, business representatives and stational (link).





















Development workshops on university-business cooperation

<u>Chamber of Commerce and Industry of the Republic of Serbia and participants in the "Scaleup4europe"</u> project (<u>lipk</u>).

Developing a model of a multifunctional robot for use in protected areas (<u>link</u>).

HORIZON 2020 project "Scaleup4europe" (link).

Project AgroLIFE is funded by GIZ (German Technical Assistance Agency) and implement actional Alliance for Local Economic Cooperation) and TeleGroup doo (link).

Cooperation agreement in the field of ICT application in agriculture was sign aculty of Agriculture, University of Banja Luka, and the <u>Association for Unmanned Systems in Syst</u>



WP5.1. Implementation of student crash courses





WP5.2.Knowledge transfer seminar for extension service providers

On 26/03/2021 within the VIRAL project, the <u>Faculty of Agriculture of the University of Banja Luka and the Ministry of Agriculture, Forestry and Water Management of the Republic of Srpska</u> organized the practical demonstration of the use of dress for extension service providers (<u>link</u>). The activity is realized in cooperation with the company <u>"Agrodron"</u> from Serbia and "Trom Laktaši. More information is available at the following (<u>link</u>).





WP5.3. Knowledge transfer seminar for agriculture businesses

припремила: Драгана Димић сниматељ: Драган Јанковић

The seminar about the challenges of agricultural production in 2021, was organized by the Faculty of Agriculture of the University of Bijeljina on 10/03/2021 within the "Viral" project and co-organized by the Ministry of Agriculture, Forestry and Water Management of Republika Srpska and the City of Bijeljina. The seminar was attended by more than 50 participants, mostly are from Bijeljina. More information is available at the following (link).





Project dissemination





We are halfway to reaching reality...



...equipment...

...training toolkits...

...regional hakaton...

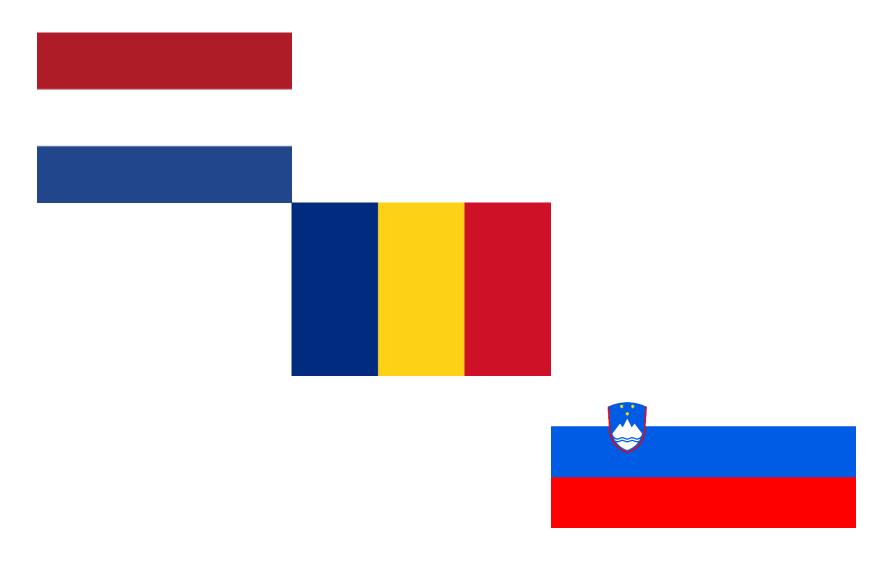
...EXPO online event...

...trainings...

...dissemination...



...traveling to...





Join in the journey - it's not too late... You are welcome!

Thank you!



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