PARTNER MEETING 4 AGENDA

Place	Host partner: Galamb József Agricultural Secondary School H-6900 Makó, Szép utca 2-4.	Date	13th and 14th June, 2019
Facilitator	Zoltán Horváth – GJMSZI; Mária Hartyányi – ITS	Participating partners	All partners

Meeting Objectives:

1. Presentations of the results of O5 – Agriteach 4.0 Further Training Program for VET teachers in Macedonia and Hungary
2. Planning O6 - Planning for valorisation and sustainability and the multiplier event related to O6
3. Dissemination activities, publications
4. QM activities, financial issues
5. Final report tasks

Meeting Day 1 - 13th June 2019

Venue: Korona konferenciaterem, Makó, Széchenyi tér 10.
The aim of the first day:
1. Welcome
2. Results of O5 Pilot training in Macedonia and Hungary
3. Opportunities for valorization of project results
4. Certificate ceremony for Hungarian course participants

Programme

Start time End time	Agenda item description	minutes
9:30-10:00	Registration for the teachers participating in the course	'30
Presentations of the results of O5 **Agriteach 4.0 Further Training Program for VET teachers - GJMSZI**		**30 Apr. 2019**
10:00-10:20	Welcome Agricultural Informatics in VET, situation in Hungary – Zoltán Horváth, director, GJMSZI (HU)	'20
10:20-10:40	Experiences of pilot training in Hungary – Szilvia Gerhat – project coordinator, ITS (HU)	'20
10:40-11:00	Experiences of pilot training in Macedonia - Ljupcho Toshev, project manager FACE (MK)	'20
11:00-11:20	Opportunities for valorization of project results – Attila Nagy, farm advisor, GAK (HU)	'20
11:20: 11:45	Coffee break	'25
11:45-12:15	Trends in Agriculture 4.0 – Pavel Simek, WINFO (CZ)	'30
12:15:12:35	Certificate ceremony for Hungarian course participants	'20

12:35: 13:00	Questions and answers	'25
13:00-13.40	Lunch	'40
13:40-14:00	Closing the event	'20
15:00-	Cultural program	

Meeting Day 2 - 14th June 2019

Venue: Galamb József Agricultural Secondary School, Makó, Szép u. 2-4.
The aim of the second day:
1. Planning O6 - Planning for valorisation and sustainability
2. Dissemination activities, publications
3. QM activities, financial issues
4. Final report tasks

Start time — End time	Agenda item description	minutes
	O6 – Planning for valorisation and sustainability - GAK	**31 August 2019**
09:00-09:20	O6-A1 – CAPDM AgriTeach 4.0 digital textbook (EN/HU/MK)	'20
09:20-09:35	O6-A2 - ITS, GJMSZI Agreement: Intellectual Property Rights	'15
09:35-10.45	O6-A3 - GAK Planning sustainability and valorisation Each partner will present in 10 minutes how to utilize the project results	'70
10:45-11:00	Coffee break	'15
11:00-11:20	Final report tasks – GJMSZI, ITS	'20
11:20-12:00	Financial issues - GJMSZI • review of financial reports, possible shortages • requests for the final report	'40
12:00-12:30	Quality management, evaluation. online evaluation (meetings, IO-s) - GJMSZI, ITS	'30
12:30-13:00	Questions and answers	'30
13:00-14:00	Lunch	'60
14:00-15.00	Closing the meeting	'60

ANNEXES

Annex 1 – Intellectual Outputs

Outcome	Medium/Language/Size	Leader	Deadline
O1 – e-Competence Map of Agricultural workers for Agriculture 4.0		**P7-WINFO**	**31 December 2017**
O1-A1 - ITS Design and implementation of online collaboration platform for the partners	• 1 Graphical design components (logo, wire frame) - READY • 4 standard document template for QM (report, study, agenda) • 1 Drupal based multilingual collaboration platform (CMS) • Further components: forum, diary, evaluation and dissemination database, entry forms		31 Oct 2017
O1-A2 – WINFO ICT-skill-demands of the agricultural labour market Collaborating partners: FACE, AGFT, GAK, GJMSZI	• at least 10-12 companies in Macedonia and 15-20 companies in Hungary - READY • A final summary will be produced based on the state-of-art reports and on the results of the survey, with suggestions for the competence framework. Language: English, size: 10-15 p.		31 Oct 2017
O1-A3 - CAPDM e-Competence Map of middle level agricultural professionals for Agriculture 4.0	Research report (30 pages) in 3 languages (HU, EN, MK) – English version is READY The final version should be translated into Hungarian and Macedonian!		31 Dec 2017
Collaborating partners: all partners intensively take part **Core partners: P2-ITS, P6-CAPDM, P7-WINFO**			
O2 -Training needs of Teachers for preparing students for Agriculture 4.0		**P3-FACE**	**31 March 2018**
O2-A1 – ITS Designing, elaborating, translating questionnaire	Questionnaire (EN, HU, MK) – 3 x 10-12 p.		31 Jan 2018
O2-A2 - GAK Carry out survey (online) in Hungary and Macedonia by involving VET teachers	Target group: teachers and advisors Macedonia: 40 samples Hungary: 80 -100 samples		28 Febr 2018
O1-A3 - FACE Analysis and Conclusions	Results of the national surveys (EN): 2x20 p. with charts. Macedonian version - READY Hungarian version - READY Summary of the results (EN): 10 p.		31 March 2018
Collaborating partners: all partners take part **Core partners: P3-FACE, P2-ITS, P5-GAK**			

O3 – Syllabus and learning content for AgriTeach 4.0	**P4-AGFT**	**30 July 2018**
O3-A1 - CAPDM Development of the AgriTeach 4.0 module syllabi	The development of the syllabi for each of the three proposed modules	30 April 2018
O3-A2 – ITS Module 1: Reinventing agricultural education Collaborators: CAPDM, GJMGSZI, GAK	The project will produce the modules in at least three member state languages, so the following partners will be responsible for one of the languages: ● EN: /ITS/CAPDM ● HU: GJMSZI/ITS/GAK ● MK: FACE/AGFT **Indicative content per module:** ● Digital text: 10-12 topics, 3-5 p./topics ● 1 motivating video (max 3 min.) ● Video lectures (max 10 min.) ● Language versions with subtitles or voice overs ● Question databank (20-30 questions) Planned topics: 1.1 Teaching in the 21st century (tools and methods of technology enhanced learning) 1.2 Open Education (life-long-learning in the knowledge sharing, globally connected world), utilizing Open Educational Resources (OERs) of EU. 1.3 Project based teaching and flipped classroom model, videos in the classroom. 1.4 CLIL method	30 July 2018
O3-A3 Module 2 – GAK European Strategies and initiatives of e-Agriculture Collaborators: AGFT, FACE, WINFO	**Indicative content per module:** ● Digital text: 3-4 topics, 3-5 pages/topics ● 1 motivating video (max 3 min.) ● Video lectures (max 10 min.) ● (Language versions with subtitles or voice) ● Question databank 20-30 questions Planned topics: 2.1 Roles and tasks of Directorate for Agriculture and Rural Development 2.2 post-2020 EU Common Agriculture Policy 2.3 European Innovation Partnership for Agricultural Productivity and Sustainability 2.4 AKIS, Agriculture Knowledge and Information Systems 2.5 The European Commission's Digital Single Market strategy 2.6 EU 2020 strategy for smart, sustainable and inclusive growth	30 July 2018

| O3-A4 Module 3 – AGFT
Collaborators: GAK, FACE, WINFO
Digital systems of Agriculture 4.0 | **Indicative content per module:**
● 15-20 topics, 3-5 p./topics
● 1 motivating video (max 3 min.)
● Video lectures (max 10 min.)
● (Language versions with subtitles or voice)
● Quiz: question database 30-40 questions
Need quiz for the HU version

Planned Topics:
3.1 Connected Agriculture: learning analytics, big data management, IoT.
3.2 Precision farming, integrated ICT and automation
3.3 Services & applications for Smart Agriculture,
3.4 Smart farm management, inventory and traceability systems,
3.5. GIS applications, Risk management, forecasts, decision support
3.6 e-Government services, knowledge sharing networks
3.7 Closing the "digital divide" between rural and urban areas | 30 July 2018 |

Collaborating partners: all partners take part
Core partners: P2-ITS, P3-FACE, P5-GAK, P6-CAPDM, P7-WINFO

Notes:

O4 – Agriteach 4.0 Learning Management System	**P2-ITS**	**31 Oct 2018**
O4-A1 - ITS Graphical Design and implementation e-Learning platform	Moodle platform (HU, EN, MK)	31 Oct 2018
O4-A2 – ITS, GAK Implementation of course, language versions, testing (ALFA test)	Number of courses: 3 (EN/HU/MK) Number of modules: 9 (3/course) Number of topics: 28-36 Guides, navigation tools: learners' guide, tutoring guide, video tutorial, authoring guide (3) Information components: course and module descriptions (learning objectives, learning outcomes) (3x3) Learning content components: Moodle book, SCORM package, videos, presentations, glossary Assessment components: self-assessment questionnaires, quizzes, assignments, feedbacks Communication and collaboration tools: forum, messages, inside e-mail, webinar Authoring tools: Blogs, e-portfolio. Alpha testing will be carried out over one week to eliminate any errors and operational issues, before piloting.	31 Aug 2018
O4-A3 - All partners Selecting and integration Open Educational Resources	openly available OER resources freely available learning objects in different digital forms in English and in national languages.	31 Oct 2018

O4-A4 - ITS, GAK, GJMSZI, AGFT, FACE Developing training and tutoring guide	ITS will develop learning guides (text-based and videos) in English, while the other partners will distribute the tasks of translation among each other as appropriate.	31 Oct 2018
O4-A5 **ITS, FACE** Training for tutors (BETA test)	online training will be led by tutors. In this activity the project will involve 2 persons from Macedonia and 3 from Hungary in online tutor training	31 Oct 2018
Collaborating all partners take part in the pilots **Core partners: P2-ITS, P3-FACE, P4-AGFT, P5-GAK**		
Notes:		

Events related to O4	**Responsible partner**	**Date**	**Local part. no.**
E1: Multiplier events: training for teachers, Hungary – starting pilot	**P2-ITS**	**15-09-2018**	**30**
E2: Multiplier events: training for teacher, Macedonia - starting pilot	**P4-AGFT**	**15-11-2018**	**15**

O5 – Agriteach 4.0 Further Training Program for VET teachers	**P1-GJMSZI**	**30 April 2019**
O5-A1 - GJMSZI Piloting the course in Hungary	HU: ITS/GJMSZI, GAK: 30 participants	30 April 2019
O5-A2 - FACE Piloting the course in Macedonia	MK: FACE/AGFT, 15 participants	31 Jan 2019
O5-A3 ITS, FACE Analysing the feedback of the testing phase		31 March 2019
O5-A4 - CAPDM Improvement of the course according to the feedback		30 April 2019
Collaborating partners: all partners intensively take part **Core partners: P1-GJMSZI, P3-FACE, P6-CAPDM**		

Events related to O5	**Responsible partner**	**Date**	**Local part. no.**
E3: Multiplier events: training for teachers Hungary - closing pilot	**P5-GAK**	**15-01-2019**	**30**
E4: Multiplier events: training for teachers, Macedonia: closing pilot	**P3-FACE**	**15-03-2019**	**15**

O6 – Planning for valorisation and sustainability	**P5-GAK**	**31 Aug 2019**
O6-A1 – CAPDM Authoring, review and publish AgriTeach 4.0 digital textbook (EN/HU/MK)	Indicators: 150 A4 p. EN/HU/MK The digital book is different from that in the e-learning environment. It will be a professional typeset publication, though	30 July 2019

	without the interaction that is possible in the online version.	
O6-A2 - AGFT Agreement: Intellectual Property Rights		30 July 2019
O6-A3 - GAK Planning sustainability and valorisation		31 Aug 2019
Collaborating partners: all partners intensively take part **Core partners: P4-AGFT, P5-GAK, P6-CAPDM**		

Events related to O6	Responsible partner	Date	Local part. no.
E5: Multiplier events: dissemination Macedonia	**P3-FACE**	**15-08-2019**	**20**
E6: Multiplier events: dissemination Hungary	**P1-GJMSZI**	**15-08-2019**	**30**

Annex 2 – Partners

Number	Full Legal Name	Acronym	Country		Contact	E-mail
P1	Galamb József Mezögazdasági Szakképzö Iskola	**GJMSZI**	**Hungary**	**HU**	Horváth Zoltán Aranka Köblös	galambj.iskola@gmail.com arankakoblos@yahoo.com
P2	iTStudy Hungary Számítástechnikai Oktató- és Kutatóközpont Kft.	**ITS**	**Hungary**	**HU**	Hartyányi Mária Anita Téringer Judit Mezei	maria.hartyanyi@itstuy.hu anita.teringer@itstudy.hu judit@itstudy.hu
P3	Foundation Agro-Centre for Education	**FACE**	**Macedonia**	**MK**	Ljupcho Toshev Natasha Ognenoska	lj.tosev@ace.org.mk ; n.ognenoska@ace.org.mk
P4	AG Futura Technologies	**AGFT**	**Macedonia**	**MK**	Blagoja Mukanov Aleksandar Cherepnalkoski Nikola Trendov	blagoja.mukanov@agfutura.com a.cherepnalkoski@agfutura.com trendov.nikola@gmail.com
P5	GAK Oktató, Kutató és Innovációs Nonprofit Közhasznú Kft.	**GAK**	**Hungary**	**HU**	Dr Papócsi László Anikó Üröginé Ács	lpapocsi@gak.hu acs.aniko@gak.hu
P6	CAPDM Limited	**CAPDM**	**United Kingdom**	**UK**	Ken Currie Martin Smith	kwc@capdm.com mss@capdm.com
P7	WirelessInfo	**WINFO**	**Czech Republic**	**CZ**	Pavel Simek Karel Charvat Zbynek Krivanek Sarka Horakova	simek@csita.cz charvat@ccss.cz krivanek@wirelessinfo.cz horakova@wirelessinfo.cz

Annex 3 – Meetings

M1 Kick-off meeting in Hungary – 11-12 Sept. 2017 - ITS
M2 2nd meeting in Czech Republic – May 2018 - WINFO
M3 3rd meeting in Macedonia – Oct. 2018 - FACE
M4 Project closing meeting in Hungary – June, 2019 - GJMSZI

Annex 4 - Meeting venue, accommodation

Meeting venue:
Day 1: [Korona konferenciaterem](), Makó, Széchenyi tér 10.
Day 2: [Galamb József Agricultural Secondary School](), Makó, Szép u. 2-4.
Accomodation: [Pulitzer Kollégium](), Makó, Posta utca 6.

Annex 5 – Gantt chart

Project activity*	Leader	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14	M15	M16	M17	M18	M19	M20	M21	M22	M23	M24
Project Management	24																								
A11 Progress and evaluation reports								1				2		3				4				5			
A12 Interim report														IR											
A13 Final report																									FR
M1 Kick-off meeting in Hungary		HU																							
M2 2nd meeting in Czech Republic									CZ																
M3 3rd meeting in Macedonia														MK											
M4 Project closing meeting in Hungary																							HU		
O1 e-Competence Map of Agricultural workers for Agriculture 4.0	4 WRLS	9	10	11	12																				
O1-A1 Design and implementation of online collaboration platform	ITS																								
O1-A2 ICT-skill-demands of the agricultural labour market	WRLS																								
O1-A3 e-Competence map of agricultural workers for Agriculture 4.0	CAPDM																								
O2 Training needs of Teachers for preparing students for Agriculture 4.0	4 FACE				12	1	2	3																	
O2-A1 Designing, elaborating, translating questionnaire	ITS																								
O2-A2 Carry out survey (online) in Hungary and Macedonia by involving VET teachers	GAK																								
O2-A2 Analysis and Conclusions	FACE																								
O3 Syllabus and learning content for AgroTeach 4.0	6 AGFT						2	3	4	5	6	7													
O3-A1 Development of AgroTeach 4.0 syllabus	CAPDM																								
O3-A2 Module 1.: Reinventing agricultural education	ITS																								
O3-A3 Module 2: European Strategies and initiatives of e-Agriculture	GAK																								
O3-A4 Module 3: Digital systems of Agriculture 4.0	AGFT																								
O4 AgroTeach 4.0 Learning Management System	5 ITS									5	6	7	8	9	10										
O4-A1 Graphical Design and implementation e-Learning platform	ITS																								
O4-A2 Implementation of course, language versions, testing (ALFA test)	ITS																								
O4-A3 Selecting and integration Open Educational Resources	All																								
O4-A4 Developing training guides	GAK																								
O4-A5 Training for tutors (BETA test)	ITS/FACE																								
E1: Multiplier events: training for teachers, Hungary – starting pilot	ITS													E1-HU (30)											
E2: Multiplier events: training for teacher, Macedonia - starting pilot	AGFT														E2 MK (15)										
O5 AgroTeach 4.0 further training program for VET teachers	8 GJMSZI													9	10	11	12	1	2	3	4				
O5-A1 Piloting the course in Hungary	GJMSZI																								
O5-A2 Piloting the course in Macedonia	FACE																								
O5-A3 Analysing the feedback of the testing phase	ITS/FACE																								
O5-A4 Improvment of the course according to the feedback	CAPDM																								
O6 Planning for valorization and sustainability	5 GAK																				4	5	6	7	8
O6-A1 Authoring, review and publish Agroteach 4.0 textbook (EN/HU/MK)	CAPDM																								
O6-A2 Agreement: Intellectual Property Rights	AGRT																								
O6-A3 Planning sustainability and valorization	GAK																								
E3: Multiplier events: training for teachers Hungary - closing pilot	GAK														E3-HU (30)										
E4: Multiplier events: training for teachers, Macedonia: closing pilot	FACE														E4 MK (15)										
E5: Multiplier events: dissemination Macedonia	FACE																								E5 MK (20)
E6: Multiplier events: dissemination Hungary	GJMSZI																								E6 HU (30)

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