



3rd PARTNER MEETING AGENDA

Place:	Host partner: Foundation Agro-Centre for Education (FACE) Makedonsko selo Resort, Gorno Nerezi Village, Skopje 1000, Republic of Macedonia	Date:	14th and 15th October, 2018
Facilitator:	Mária Hartyányi – ITS; Martin Micevski - FACE	Participating partners:	All partners

Meeting Objectives:

1. Presentations on the results of
 - O3 – Syllabus and learning content for AgriTeach 4.0 and
 - O4 – Agritech 4.0 Learning Management System. Discussion of translation into national languages, distribution of tasks
2. Starting discussion on O4/A3-A4-A5.
 - A3 Selecting and integration Open Educational Resources,
 - A4 Developing training guides and
 - A5 Training for tutors (BETA test)
3. Planning the multiplier events (E1-Hungary, E2-Macedonia) starting pilots - related to O4
4. O5 – Agritech 4.0 Further Training Program for VET teachers, planning the pilot for VET teachers in Hungary and Macedonia
5. Planning the events related to O5, training for teachers Hungary and Macedonia - closing pilot
6. Planning O6 - Planning for valorisation and sustainability and the multiplier events related to O6
7. Dissemination activities, publications
8. QM activities, financial issues

Meeting Agenda - 1st day 14th October 2018

The aim of the first day:

1. Welcome
2. Results of O3-O4
3. Discussion on O4/A3-A4-A5.
4. Planning O5

Programme

Start time — End time	Agenda item description	minutes
9:30-9:35	Welcome - Ljupcho Toshev – FACE	'5
Presentations on the results of O3 – Syllabus and learning content for AgriTeach 4.0 All partners		30 Sept 2018
O4 – Agritech 4.0 Learning Management System - ITS		31 Oct 2018
9:35-9:45	A brief overview of project progress. Where we are? What's left behind? Mária Hartyányi, ITS	'10
9:45-10:00	Module 1 - Teaching in the 21st century– Mária Hartyányi, ITS	'15

10:00-10:15	Module 2 - European Strategies and Initiatives of E-agriculture - GAK	'15
10:15-11:05	Module 3 - Digital systems within Agriculture 4.0 All partners who participated in the Module 3 curriculum development present their own material GJMSZI – '10 AGFT – '10 WINFO- '10 AGFT – '20	'50
11:05: 11:20	Coffee break	'15
11:20-12:00	Discussion of the finalization of the learning content English version. - ITS Overview of the compulsory elements of the curriculum, how far are they ready? COMPULSORY module elements: <ul style="list-style-type: none"> • Introduction: The aim of the module • Learning outcomes (Knowledge, Skills and Competences (EQF) • Learning guide • motivating video max 3 min. • quiz questions - 20-30-50, • forum questions, • 1 credited assignments/module OPTIONAL: <ul style="list-style-type: none"> • video lectures (max 10 min) Translation into national languages, distribution of tasks	'40
O4 – Agritech 4.0 Learning Management System – ITS		31.10. 2018
12:00:12:30	O4 – Agritech 4.0 Learning Management System – ITS Other options for the LMS <ul style="list-style-type: none"> • module assessment • glossary • video collection • web 2 tools • OER collection • technology collection • forum 	'30
12:30: 13:00	Starting discussion on O4/A3-A4-A5. - ITS A3 Selecting and integration Open Educational Resources, A4 Developing training guides A5 Training for tutors (BETA test) Distribution of tasks	'30
13:00-14:00	Lunch	'60
14:00-14:15	Planning the multiplier events starting pilots - related to O4 (E1-Hungary - ITS, E2-Macedonia - AGFT)	'15
O5 – Agritech 4.0 Further Training Program for VET teachers - GJMSZI		30. Apr. 2019
14:15-15:15	O5-A1 – GJMSZI Planning piloting the course in Hungary O5-A2 – FACE Planning piloting the course in Macedonia	'60

	O5-A3 ITS, FACE Analysing the feedback of the testing phase O5-A4 – CAPDM Improvement of the course according to the feedback	
15:15-15:30	Coffee break	'15
15:30-16:00	1. Planning the events related to O5, training for teachers Hungary (GAK) and Macedonia (FACE) - closing pilot Questions about recognition of training - accreditation, open badges?	'30
16:00-16:30	Closing the 1 st day of the meeting, distribution of tasks, fixing deadlines	'60

Meeting Agenda - 2nd day 15th October 2018

The aim of the second day:

1. Planning O6 - Planning for valorisation and sustainability
2. Dissemination activities, publications
3. QM activities, financial issues

Start time — End time	Agenda item description	minutes
O6 – Planning for valorisation and sustainability - GAK		31 August 2019
09:00-09:15	O6-A1 – CAPDM Authoring, review and publish AgriTeach 4.0 digital textbook (EN/HU/MK)	'15
09:15-09:30	O6-A2 - AGFT Agreement: Intellectual Property Rights	'15
09:30-09:45	O6-A3 - GAK Planning sustainability and valorisation	'15
09:45-10:00	Planning multiplier events related to O6 Hungary – GJMSZI, Macedonia - FACE	'15
10:00-10:30	<ul style="list-style-type: none"> • Reviewing dissemination events so far • planning the events of the next year • using dissemination form • measuring impact 	'30
10:30-10:50	Coffee break	'20
10:50-11:10	Financial issues <ul style="list-style-type: none"> • review of financial reports, possible shortages • requests for the next period 	'20
11:10-11:30	Quality management, evaluation. Online evaluation of the 3rd meeting.	'20
11:30-12:00	Questions and answers, agreements, deadlines	'30
12:00-13:00	Discussion of ideas and proposals for next year Planning the next meeting (M4 meeting in Hungary – July or August 2019 – GJMSZI)	'60
13:00-14:00	Lunch	'60
14:00-15.00	Closing the meeting	'30
afternoon	Social event?	

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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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	<p>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:</p> <ul style="list-style-type: none"> • EN: /ITS/CAPDM • HU: GJMGSZI/ITS/GAK • MK: FACE/AGFT <p>Indicative content per module:</p> <ul style="list-style-type: none"> • 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) <p>Planned topics:</p> <p>1.1 Teaching in the 21st century (tools and methods of technology enhanced learning)</p> <p>1.2 Open Education (life-long-learning in the knowledge sharing, globally connected world), utilizing Open Educational Resources (OERs) of EU.</p> <p>1.3 Project based teaching and flipped classroom model, videos in the classroom.</p> <p>1.4 CLIL method</p>		30 July 2018
O3-A3 Module 2 – GAK European Strategies and initiatives of e-Agriculture Collaborators: AGFT, FACE, WINFO	<p>Indicative content per module:</p> <ul style="list-style-type: none"> • 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 <p>Planned topics:</p> <p>2.1 Roles and tasks of Directorate for Agriculture and Rural Development</p> <p>2.2 post-2020 EU Common Agriculture Policy</p> <p>2.3 European Innovation Partnership for Agricultural Productivity and Sustainability</p> <p>2.4 AKIS, Agriculture Knowledge and Information Systems</p> <p>2.5 The European Commission’s Digital Single Market strategy</p> <p>2.6 EU 2020 strategy for smart, sustainable and inclusive growth</p>		30 July 2018
O3-A4 Module 3 – AGFT Collaborators: GAK, FACE, WINFO	<p>Indicative content per module:</p> <ul style="list-style-type: none"> • 15-20 topics, 3-5 p./topics 		30 July 2018

Digital systems of Agriculture 4.0	<ul style="list-style-type: none"> ● 1 motivating video (max 3 min.) ● Video lectures (max 10 min.) ● (Language versions with subtitles or voice) ● Quiz: question database 30-40 questions <p>Planned Topics:</p> <p>3.1 Connected Agriculture: learning analytics, big data management, IoT.</p> <p>3.2 Precision farming, integrated ICT and automation</p> <p>3.3 Services & applications for Smart Agriculture,</p> <p>3.4 Smart farm management, inventory and traceability systems,</p> <p>3.5. GIS applications, Risk management, forecasts, decision support</p> <p>3.6 e-Government services, knowledge sharing networks</p> <p>3.7 Closing the “digital divide” between rural and urban areas</p>		
<p>Collaborating partners: all partners take part Core partners: P2-ITS, P3-FACE, P5-GAK, P6-CAPDM, P7-WINFO</p>			
Notes:			
O4 – Agritech 4.0 Learning Management System		P2-ITS	31 Oct 2018
<p>O4-A1 - ITS Graphical Design and implementation e-Learning platform</p>	Moodle platform (HU, EN, MK)	31 Oct 2018	
<p>O4-A2 – ITS, GAK Implementation of course, language versions, testing (ALFA test)</p>	<p>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.</p>	31 Aug 2018	
<p>O4-A3 - All partners Selecting and integration Open Educational Resources</p>	<p>openly available OER resources freely available learning objects in different digital forms in English and in national languages.</p>	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 – Agritech 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 without the interaction that is possible in the online version.	30 July 2019	

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 Mezőgazdasági Szakképző 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 Téringér Judit Mezei	maria.hartyanyi@itstudy.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 – Aug. 2019 - GJMSZI

Annex 4 - Meeting venue, accommodation

Meeting venue:
Makedonsko selo Resort, Gorno Nerezi Village,
Skopje 1000, Republic of Macedonia

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 Improvement 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)	

