

INTERNAL DOCUMENT: WP3 STUDY VISIT ASSIGNMENT REPORT

Study visit dates: February 12th-15th, 2019

Study visit location: Pordenone, FVG Region, Italy

Location: Pordenone Exhibition Center **during Novel Farm 2019**

Viale Treviso, 1

33170, Pordenone (PN)

Italy

HEI responsible: Department of Agricultural and Food Sciences, ALMA MATER STUDIORUM, University of Bologna

Persons in charge for organization:

Francesco Orsini

Giuseppina Pennisi

Introduction

Study visits and trainings (Deliverable 3.2.) are three days events organized at program HEIs according to the proposed modules, specific typology of Urban Agriculture as well as results/guidelines/experience from Project. Six study visits with training for five participants from five HEIs will deliver 150 trainings. Study visits and training aims to equip teaching staff from partner HEIs with first-hand experience in Urban Agriculture (UA). During study visits teaching staff will visit UA sites and project at program HEIs. During that time they will practically implement UA skills and knowledge in real work surroundings, or otherwise gain first-hand experience needed for BUGI Project curriculum implementation. Partner HEIs teaching staff will work closely with program HEIs teaching staff to facilitate knowledge transfer and good practice. The emphasis will be placed on teachers training that foster interactive, problem-based learning and entrepreneurial skills through new and creative ways of teaching and learning. New methodological approaches exercised by the teachers will enable them to work independently in implementation of new curriculum and LLL programs.

Study visit assignment

The aim of the study visit and training was to equip teaching staff from partner HEIs (University Dzemal Bijedic of Mostar, University of Donja Gorica, University of Haxhi Zeka, University of Prishtina, University Sarajevo) with first-hand experience in UA in Italy and in several realities of Europe, with the purpose to facilitate knowledge transfer and good practice of UA to support BUGI Project curriculum implementation.



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The objectives of the study visit and training were to:

- Understand the diverse strategies used for developing vertical farming;
- Understand the importance of automation in agriculture systems;
- Know international stakeholders in the agritech sector;
- Team building among BUGI partners

Study visit outcomes

During the study visit and training the participants learnt about:

- the state-of the art of agritech and vertical farming in Italy
- the Potential of hydro- and aeroponics systems
- the automation process in sustainable soilless agriculture
- Aquaponics' circular economy
- Food security in UA

Study visit program 12 -13- February 2019

When	What
February 12th	
12.00-20.00	Arrival to Pordenone, set up BUGI booth at Novel Farm, meetings with other exhibitors
February 13th	
9.30-10.00	Opening session: Addresses of national and international stakeholders in the agritech and vertical farming sectors <i>Speakers:</i> <i>Monica Cairoli, president of the Order of agronomists and forestry of FVG</i> <i>Gus van der Feltz, chairman FarmTech Society</i> <i>Marcello Donatelli, director Council for Agricultural Research and Economics</i> <i>Gabriella Funaro, architect ENEA</i>
10:00-11:00	Planning and control of the characteristics and quality of hydroponic and aeroponic products <i>Speakers:</i> <i>Mattia Accorsi, light biologist</i> <i>Stefano Cesco, professor Libera Università di Bolzano</i> <i>Massimiliano D'Imperio, researcher CNR (National Council of Researches)</i> <i>Pierre Grootcholten, Grootcholten Consultancy</i>
11.30-13.00	<i>Automation: hardware and software for an economically and environmentally sustainable soilless agriculture</i> <i>Speakers:</i> <i>Rino Gubiani, professor Università degli Studi di Udine</i> <i>Isabella Righini, researcher Wageningen University & Research</i> <i>Rezia Molfino, professor Università degli Studi di Genova</i> <i>Radu M. Giurgiu, researcher, representative PlantGeek project</i> <i>Massimo Lucchini, CEO Idromeccanica Lucchini</i> <i>Vasileios Vallas, CEO and Co-founder PlanHive</i> <i>Marcello Donatelli, director of Agriculture and Environment Center CREA</i>
13.00-14.00	Lunch time
14.00-15.00	Genetics and epigenetics of hydroponic crops <i>Speakers:</i> <i>Serena Varotto, professor Università degli Studi di Padova</i> <i>Maurizio Lambardi, reseacher CNR-IVALSA (National Council of Reseraches)</i> <i>Silvana Nicola, professor Università degli Studi di Torino</i>
15.30-18.30	Aquaponics' circular economy <i>Speakers:</i> <i>Daniele Brigolin, researcher Università Ca' Foscari Venezia</i>

<p><i>Bernd Poelling, professor South Westphalia University of Applied Sciences</i> <i>Vincent Gennotte, researcher CEFRA (Aquaculture Research and Education Centre), University of Liège</i> <i>Ulrich Ricardo Knaus, professor University of Rostock</i> <i>Ian Kanski, president and co-founder INTAG</i> <i>Andrej Udovc, professor University of Ljubljana</i> <i>Simone Venturini, CEO Nutritech</i> <i>Baldassare Fronte, researcher Università di Pisa</i></p>	
February 14th	
09.15-10.00	<p>Urban agriculture and food security: agritech challenges</p> <p><i>Speakers:</i> <i>Podmiserg Ruthner, founder Vertical Farm Institute</i> <i>Esperanza Huerta Lwanga, researcher Wageningen University & Research</i></p>
10.15-12.00	<p>Circular and integrated food production and the city of the future</p> <p><i>Speakers:</i> <i>Nicolas Tsurukawa, Researcher University of Liège</i> <i>Runrid Fox-Kämper, ILS - Research Institute for Regional and Urban Development GmbH</i> <i>Joan Rieradevall Pons, professor Universitat Autònoma de Barcelona</i> <i>Alex van Tuyll, AMI's Farm Lab</i> <i>Augustin Rosenstiehl, SOA Architects</i> <i>Gabriella Funaro, architect ENEA</i> <i>Matteo Benvenuti, Founder Vertical Farm Italia</i></p>
12.00-13.30	<p>Food and non-food agriculture: with soilless you can do</p> <p><i>Speakers:</i> <i>Rosario Di Lorenzo, professor Università degli Studi di Palermo</i> <i>Alessio Saccoccio, partner Idroluppolo</i> <i>Mattia Accorsi, light biologist</i> <i>Matteo D'Arco, biologist and agronomist</i> <i>Enrico Costanzo, biologist and innovation manager</i> <i>Lucia Guidi, professor and director of the Interdepartmental Center for Nutraceutical Research and Nutrition for Health "Nutrafood", Università di Pisa</i> <i>Paolo Bray, Founder and Chief Executive Director Friend of the Earth</i></p>
13.45-18.15	Grand Finale UrbanFarm 2019

List of participants

Name and surname	Institution
Alisa Hadziabulic	University Dzemal Bijedic of Mostar
Alma Rahimic	University Dzemal Bijedic of Mostar
Vedrana Komlen	University Dzemal Bijedic of Mostar
Jasna Hasanbegovic	University Dzemal Bijedic of Mostar
Hajrija Skrijelj	University of Haxhi Zeka
Nexhdet Shala	University of Haxhi Zeka
Mentor Thaqi	University of Prishtina
Arben Mehrebi	University of Prishtina
Afrim Hamidi	University of Prishtina
Zlatan Saric	University Sarajevo
Aleksandra Nikolic	University Sarajevo
Sabahadin Bajramovic	University Sarajevo
Giuseppina Pennisi	University of Bologna
Francesco Orsini	University of Bologna





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Annexes

- 1. Attendance list**
- 2. Individual certificates**
- 3. Individual study visit reports**
- 4. Evaluation report**

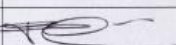


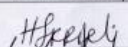
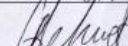
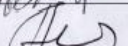

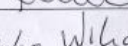
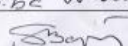
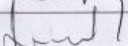
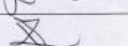
Annex 1 Attendance list







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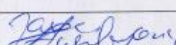
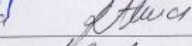
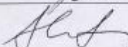
Name, Surname	Organisation	Email address	Signature
FRANCESCO ORSINI	UNIPA	F.ORSINI@UNIPA.IT	
GIUSEPPE PENNINO	UNIPA	giuseppe.pennino@unipa.it	
NEXHDET SHACA	UHZ	nexhdet.shaca@uhz.eu	
HASRIJA ŠKEPIJELIĆ	UHZ	hasrija.skepeli@uhz.eu	
Arben Mefmebi	UP	arben.mefmebi@unipr.edu	
AFRIM HAMIDI	UNIPR	afirm.hamidi@unipr.edu	
MENTOR TITAI	UP	mentor.titai@unipr.edu	
Aleksandra NIKOLIĆ	UNSA	a.nikolic@ppf.unsa.ba	
Sabirudin Bajramović	UNSA	s.bajramovic@ppf.unsa.ba	
SLATINA JARIĆ	UNSA	s.sajic@ppf.unsa.ba	
Vesna Konić	UNMO	vesna.konic@unmo.ba	





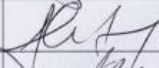

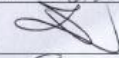
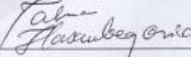
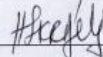
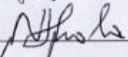
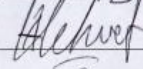
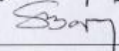


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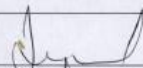
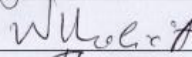
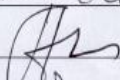
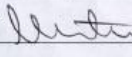
Pordenone, 12th February 2019

Name, Surname	Organisation	Email address	Signature
JASNA HASANBEGOVIC	UNMO	j.asna.hasanbegovic@unmo.ba	
ALMA RAHIMIC	UNMO	alma.rahimic@unmo.ba	
ALISA HADJABULIC	UNMO	alisa.hadjabulic@unmo.ba	

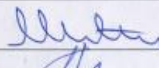
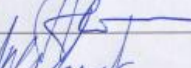
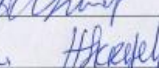
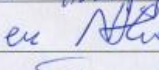
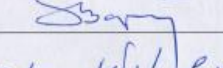
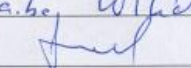
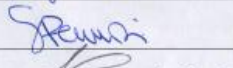
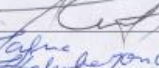
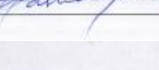

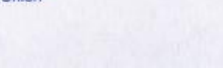
Pordenone, 13th February 2019

Name, Surname	Organisation	Email address	Signature
FRANCESCO ORSINI	UNIBO	f.orsini@unibo.it	
GIUSEPPINA PENNA	UNIBO	giuseppina.penna@unibo.it	
ALISA HADŽIABULIĆ	UNMO	alisa.hadzic@unmo.ba	
ALMA RAHIMIĆ	UNMO	alma.rahimic@unmo.ba	
VEDRANA KOHLER	UNMO	vedrana.kohler@unmo.ba	
JASNA HASANBEGOVIC	UNMO	jasna.hasanbegovic@unmo.ba	
HADŽIJA ŠKRIJELO	UHZ	hadzija.skrijelo@unhz.eu	
NEXHDET SHALA	UHZ	nexhdet.shala@unhz.eu	
Arben Mehrić	UP	arben.mehric@up-pro.ch	
Sabehudin Bagamović	UNSA	s.bagamovic@ppf.unsa.ba	

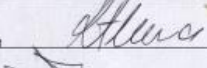

Pordenone, 13th February 2019

Name, Surname	Organisation	Email address	Signature
ELATIN SARIC	UNSA	e.saric@ppf.unsa.ba	
Aleksandra NIKOLIĆ	UNSA	a.nikolic@ppf.unsa.ba	
AFRIM HAMIDI	UNIPR (HA)	afirm.hamidi@unipr.ch	
MENTOR THAO	UP	mentor.thao@unipr.ch	

Pordenone, 14th February 2019

Name, Surname	Organisation	Email address	Signature
MENTOR THAQI	UNIVERSITY OF PRISTINA	mentor.thaqi@unipr.edu	
Albin Hamidi	UNIVERSITY OF PRISTINA	albin.hamidi@unipr.edu	
Arben Mehmed	UP-FBI	arben.mehmed@unipr.edu	
HASRIJA ŠKEJELI	UHZ-PEJA	hasrija.skejeli@unhz.eu	
NEXHDET SHALA	UHZ-PEJA	nexhdet.shala@unhz.eu	
Sebahudin Bayramović	UNSA	sbayramovic@ppf.unsa.ba	
ALEKSANDRA NIKOLIĆ	UNSA	a.nikolic@ppf.unsa.ba	
ZLATAN ŠARIĆ	UNSA	z.saric@ppf.unsa.ba	
GIUSEPPE RINALDI	UNIBO	giuseppe.rinaldi@unibo.it	
ALISA HADŽIABULIĆ	UNMO	alisa.hadzic@unmo.ba	
JASNA HASANBEGOVIC	UNMO	jasna.hasanbegovic@unmo.ba	

Pordenone, 14th February 2019

Name, Surname	Organisation	Email address	Signature
ALMA RAHIMIC	UNMO	almarahimic@unmo.ba	
VEDRANA KONJEN	UNMO	vedrana.konjen@unmo.ba	

Annex 2 Individual Certificates

Erasmus+ Programme – Strategic Partnership
Project Nr:
586304-EPP-1-2017-BA-EPPKA2-CBHE-JP

Certificate of attendance
Western Balkan Urban Agriculture Initiative
PORDENONE STUDY VISIT AND TRAINING
12-14 February 2019

I undersigned Francesco Orsini

**as Partner coordinator representing the host organization: University of
Bologna (Italy)**

hereby certify that the following person:

.....

from the partner organization

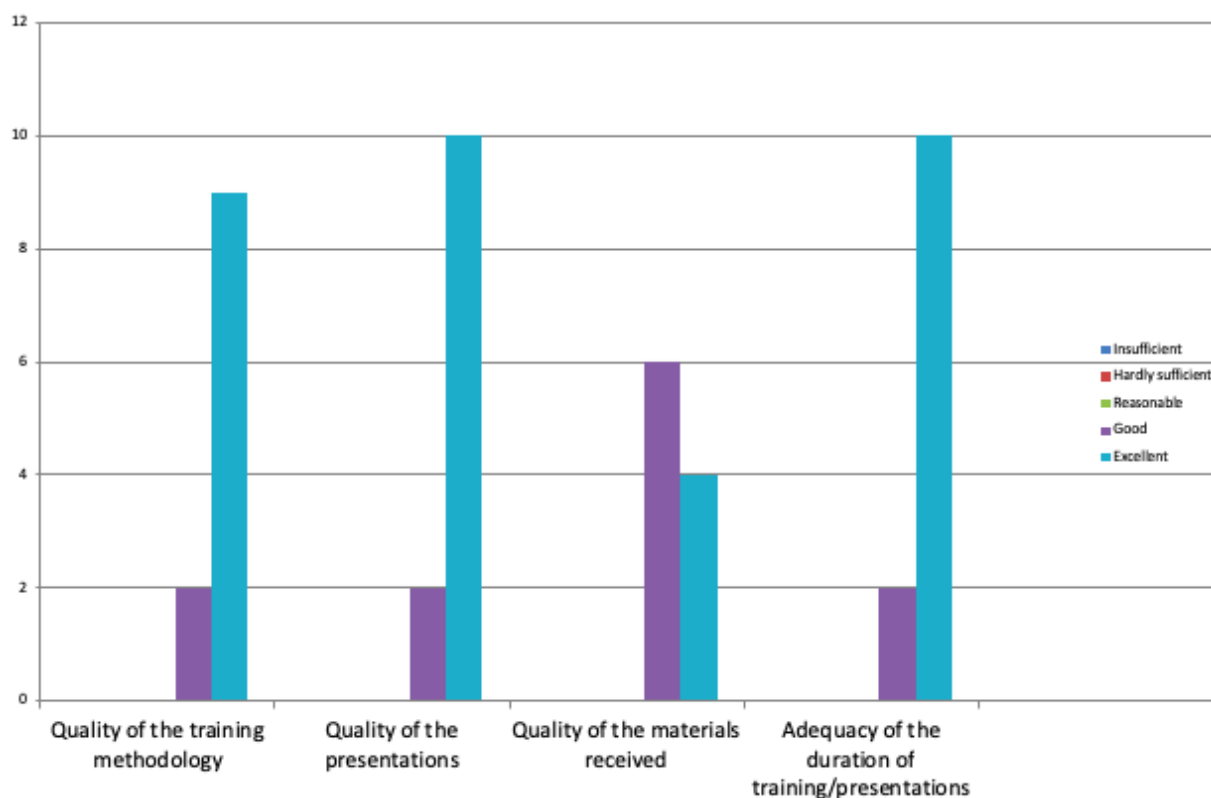
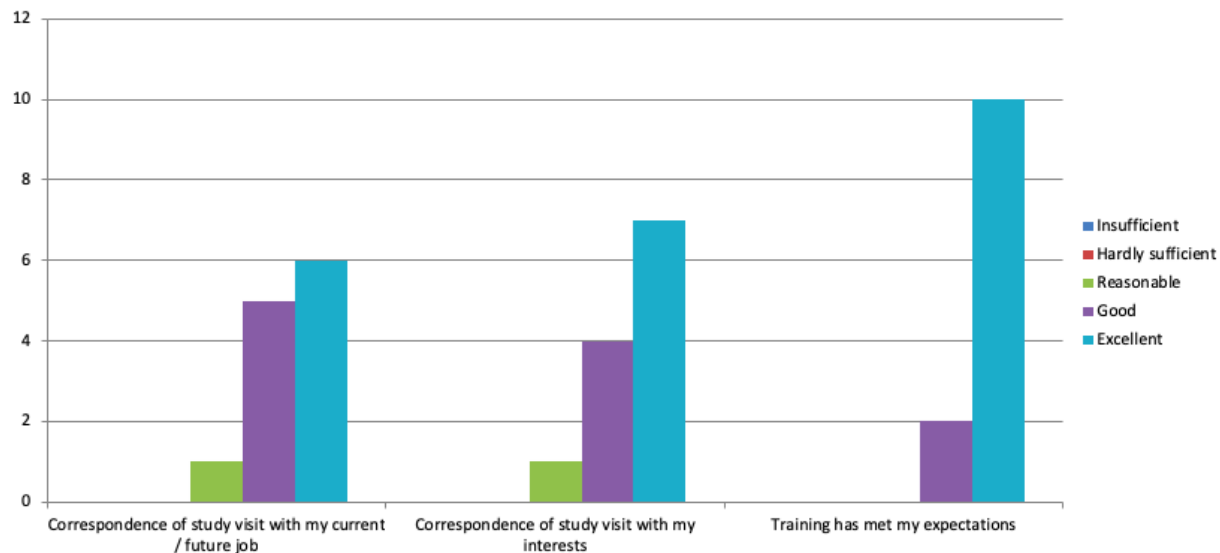
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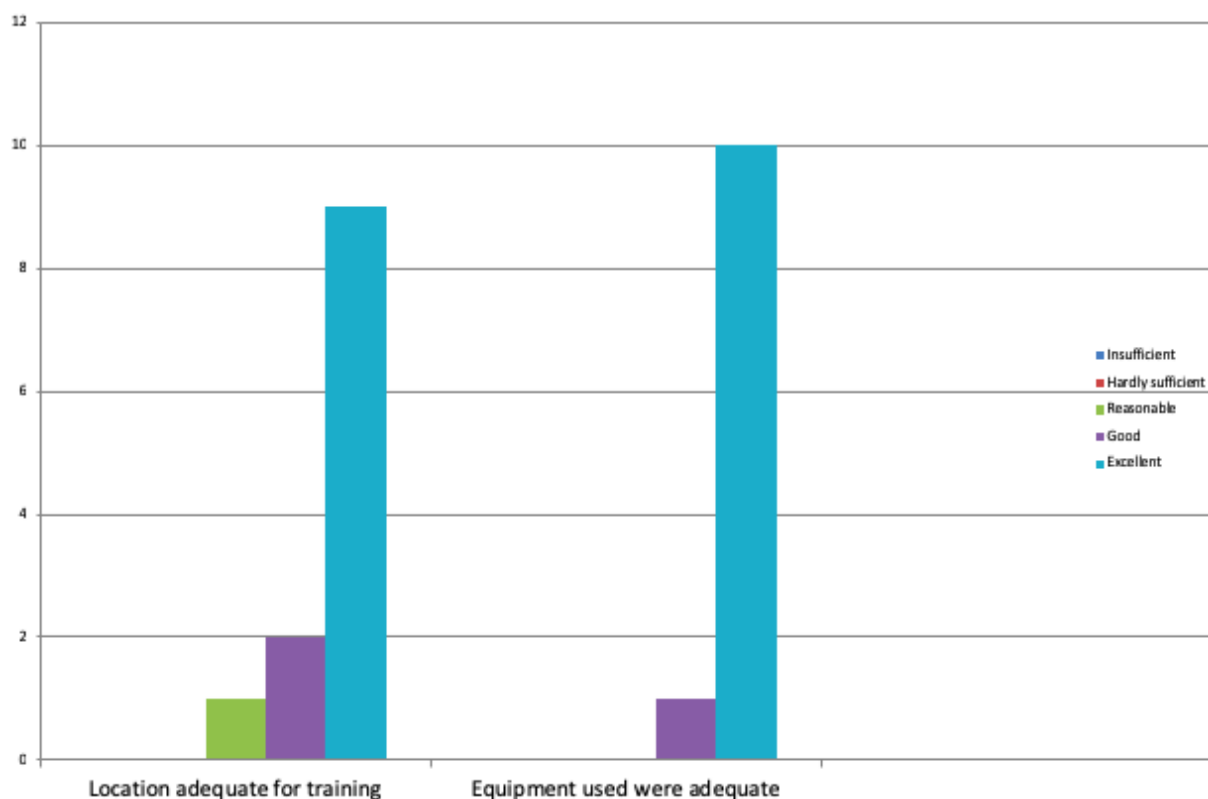
**attended the Study Visit and Training Event of the BUGI project organized in
Pordenone on February 12-14, 2019.**

Venezia, 15th February 2019

Dr. Francesco Orsini

Annex 4 – Evaluation Report





Participants' Opinions and comments:

- Opportunities to meet people from the business areas. Unexpected brainstorming, very positive.
- Well chosen methods.
- Everything was OK
- Organisation was perfect, the location was convenient.
- The organisation was very good.
- Everything was perfect.
- Very useful presentations.
- Continue like this event.
- Everything was well organized
- Study Visit required more knowledge than mine. More materials.
- We received only materials publicly available.
- Participants had no opportunity to socialise. A joint dinner or visit was not organised.