

Colloque Agricultures urbaines durables Session Formation Toulouse, 9 juin 2017



Development of resources and distance learning module on urban agriculture entrepreneurship

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- F. Orsini, E. Sanyè-Mengual, M. Accorsi, G. Gianquinto University of Bologna
- B. Poelling, W. Lorleberg South-Westphalia University of Applied Sciences Soest
- F. Hoekstra, M. Dubbeling, H. Renting RUAF
 - + SME: Horticity, MammutFilm, Croissance, Hei-tro

Urban green & horticulture at Agrocampus Ouest Angers

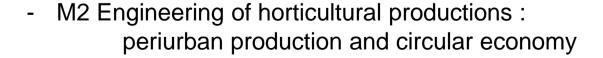


- M1 Periurban horticulture : since 2000 same city every 5 years



Lille 217347 (4) **Orléans** 107841 (22) **Nantes** 270343 (6) **Bordeaux** 223907 (7) **Toulouse** 421495 (5) Source: Agreste - RA 2000 INSEE, 2005

 M2 Engineering of urban green spaces : urban plant innovations



Distance learning: Urban Green Train





http://www.urbangreentrain.eu



URBAN GREEN TRAIN URBAN GReen Education for ENTeRprising Agricultural INnovation

AIM: to encourage pioneering business oriented initiatives on urban agriculture based on knowledge exchange, mutual cooperation and innovation among SMEs, policy makers and Higher Education Institutions.



GENERAL OBJECTIVE: strengthen the knowledge triangle between Education, Research and Business in the field of urban agriculture (UA)





UGT Specific objectives



- To raise awareness of potential employers and entrepreneurs for green economy
- To build capacity of youth to create their own business
- To respond to the EU labour market need of highly qualified graduates in this field
- To innovate curricula and learning methods in Higher Education, expanding existing forms of University-Society-Business Cooperation and crossing sectoral, disciplinary and national boundaries
- To increase awareness on the role of new green enterprises in creating more sustainable cities from the side of local governments, consumers and other actors



Framework of the entire project



SETTING THE BASIS FOR A NEW MINDSET ON UA ECONOMY

1.0.1

•O1-A1 State of art of UA Entrepreneurship

•O1-A2 State of art of UA Entrepreneurial Education

•O1-A3 Training needs analysis

•O1-A4 Final Output development

STRUCTURING A
PILOT COURSE

1.0.2

•O2-A1 Identification and creation of modules

O2-A2 Educational resources development

•O2-A3 Testing and improvement of modules and resources

MODELING & RECOM-MENDATIONS FOR UA ENTERPRENEURSHIP CURRICULUM

1.0.3

•O3-A1 Reccomandations on validation and recognition of competences

•O3 -A2 Urban Green Train curriculum

•O3-A3 Creating and launching the EU CLUSTER on UA



Survey among UGT partners



Thematic orientation of proposed resources by UGT partners

Link with u	rban agri.	Link with UGT themes				
criteria	n	Theme	n	Cited disciplines		
> 80%	25	Food and non-food production of UA	38	agronomy (35), ecology (12), economics (5), management (6), pest management (1), floriculture (1), physiology (1), sociology (1), landscaping (2), urban planning (1)		
>50%	23	Ecology, environment, resource management	17	ecology (16), agronomy (10), management, (5) physiology (1)		
<50%	16	Resilience, social inclusion and sustainability	7	sociology (5), communication (3), agronomy (3), management (2), geography (1)		
No direct link but potential interest for UGT	30	Entrepreneurship, innovative business models and modes of financing	22	economics (21), management (12), communication (3), entrepreneurship (2)		
		Societal needs, market analysis and value chain development	7	economics (6), management (2), business planning (1), market anaklysis (1)		
		No proposed theme	3			
total	94	total	94			



Survey among UGT partners



A diversity of available resources addressing UAE





Survey among UGT partners



Target audience of proposed resources by UGT partners

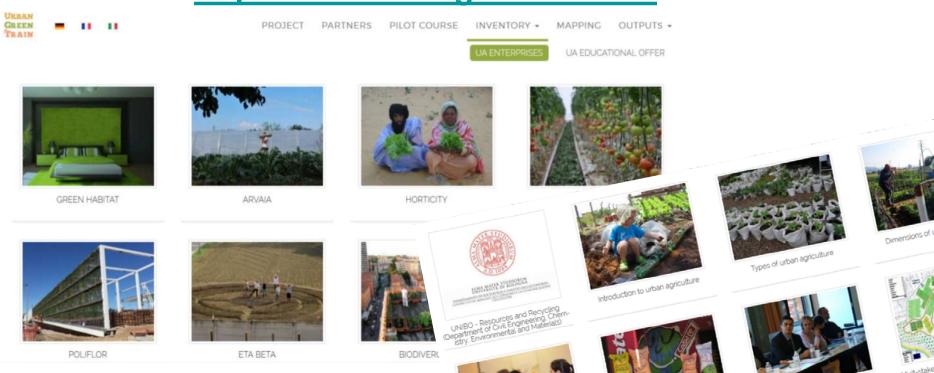
Education	level	Audience type	
criteria	n	criteria	n
Bachelor 1	12	General public	2
Bachelor 2	14	Entrepreneurs	2
Bachelor 3	19	Professionnals	10
Master 1	21	Trainers	1
Master 2	16	Students	82
no indication	12	NGO staff	1
		Policy makers	1
		Support agencies	1
		Mix: students+professionnals	8
		Mix: students+public	1



Results from the state of the art



- > 94 resources identified already developed from the partners
- ➤ 105 res. available from the partner countries and matching the themes
- Resource database available at http://www.urbangreentrain.eu





Training need analysis



Requirements

- Strong involvement of relevant people/institutions
- Definition of the disciplines and topics necessary for UA entrepreneurial education
- Structure of the curriculum

Methodology

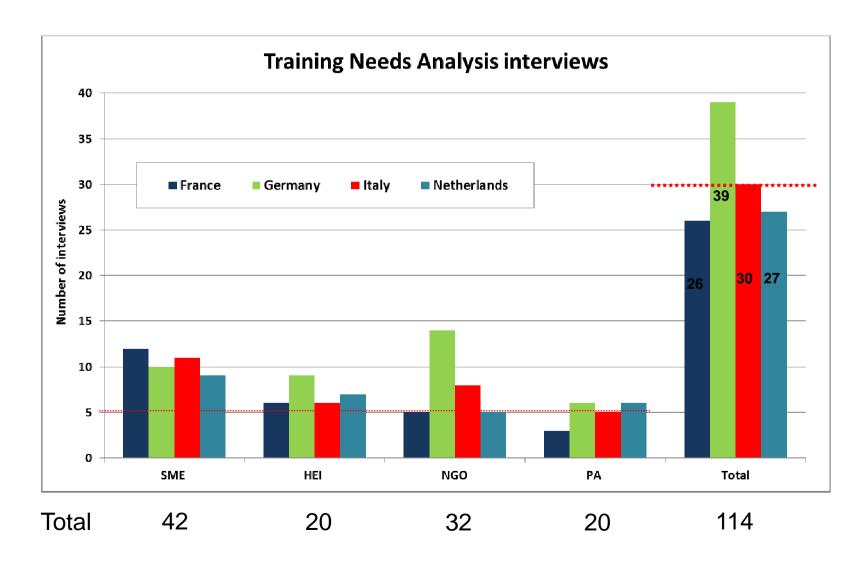
- ☐ Survey addressing 4 target groups:
 - SME, HEI, NGO, PA (public authorities)
- ☐ Minimum settings:
 - 120 interviews in total
 - 30 interviews per country
 - 5 cases per national target group



Interview distribution









Interest in UA entrepreneurial education



Would you be interested in UA enterpreneurial education?

	SME		HEI		NGO		PA		Total		
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes (%)
France	9	3	5	1	1	4	2	1	17	9	65
Germany	10	0	7	2	13	1	4	2	34	5	87
Italy	10	1	6	0	7	1	5	0	28	2	93
Netherlands	5	4	5	2	4	1	4	2	18	9	67
UGT countries	34	8	23	5	25	7	15	5	97	25	
UGT countries (%)	81	19	82	18	78	22	75	25	80	20	

- All target groups in all countries are interested (80 %)
- HEI and SME > 80 %
- Italy and Germany more than France and The Netherlands



Most important topics



Which are the most important topics to be taught for UA enterprises?

	in total	Plant production	Machinery / Engineering	Market research / Marketing / Trading	Project management / planning	Business Planning, Administration, Finances	_	Communcation, Networking, PR	Urbanism	Other
SME	42	26	9	21	18	20	9	24	18	3
(%)		62	21	50	43	48	21	57	43	7
HEI	28	22	8	19	14	9	8	21	12	0
(%)		79	29	68	50	32	29	75	43	0
NGO	32	25	7	14	21	14	14	22	17	0
(%)		78	22	44	66	44	44	69	53	0
PA	20	12	3	7	9	8	5	16	11	0
(%)		60	15	35	45	40	25	80	55	0
Sum	122	85	27	61	62	51	36	83	58	3
(%)		70	22	50	51	42	30	68	48	2



Necessary soft skills



Which are the most important soft skills necessary to run an UA enterprise?

	in total	Communication	Empathy	Analytical competence	Creativity	Curiosity	Time management	Ability of Iobbying	self-confidence	Capacity for teamwork	Trust-worthiness	self-control	Ability to handle conflicts	flexibility	Others
SME	42	26	5	20	20	11	12	9	10	26	11	3	9	18	5
(%)		62	12	48	48	26	29	21	24	62	26	7	21	43	12
HEI	28	24	6	10	20	7	9	9	11	17	9	5	12	13	3
(%)		86	21	36	71	25	32	32	39	61	32	18	43	46	11
NGO	32	25	9	11	21	11	10	12	7	18	9	4	18	14	3
(%)		78	28	34	66	34	31	38	22	56	28	13	56	44	9
PA	20	11	3	5	17	7	2	5	4	10	3	0	4	8	0
(%)		55	15	25	85	35	10	25	20	50	15	0	20	40	0
Sum	122	86	23	46	78	36	33	35	32	71	32	12	43	53	11
(%)		70	19	38	64	30	27	29	26	58	26	10	35	43	9



Pilot course



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Urban Green Train course







The URBAN GREEN TRAIN curriculum aims at equipping professionals, students and academics with the competences needed for the creation of new business oriented initiatives in Urban Agriculture.

Architecture - 5 transdisciplinary modules de 30h (total 150h)

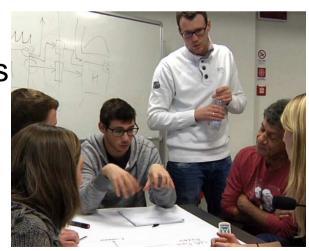
- 1. Introduction into UA concept and types
- 2. Resource use from a challenge perspectives
- 3. UA types/systems & short food chains
- 4. Networking and governance
- 5. The world of business and urban demands

Pilot course - at distance : 142 applicants

non UGT countries: 25

blended: 31 (<40)

Langages - EN, FR, IT, DE, PT





ance based on TNA

Urban Green Train course



Topics relevance

Training need analysis

Communication, Networking, Public Relations 18% Market Research / Marketing / Trading 13% Business and Project

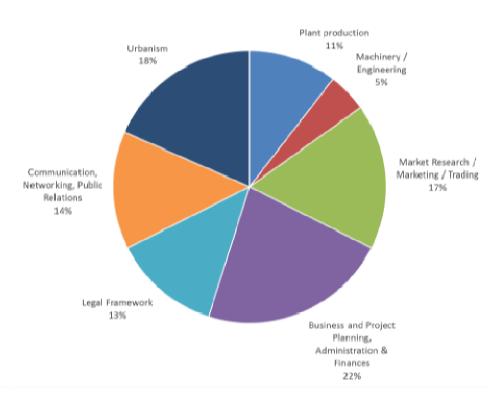
Planning,

Administration &

Finances

24%

UGT course





Urban Green Train course



	ONCEPT AN	D TYPES		
Learning Objectives	Duration	Learning Outcomes		
 Compare the basis of the various definitions of UA Provide consumption and urbanization context of UA Present the current professional context Provide knowledge on territory diagnostic and governance based on urban or peri-urban context Identify the main challenges regarding UA activities Characterize actors and stakeholders Compare the basis of the various definitions of UA 	6	 Learners are able to: Identify an adapted definition of UA depending on the objective and context Identify opportunities & constraints for UA Understand professional support for UA Use tools & methods for a territorial analysis Map actors and stakeholders 		
O ECOSYSTEM SERVICES OF UA				
Learning Objectives	Duration	Learning Outcomes		
 Explain the evolution between multifunctionality and ecosystem services concepts Present the diversity of functions and services of UA Set the basis for an analysis of UA in regards with economical, environmental and social pillar 	3	 Learners are able to Argue about UA advantages besides production Identify functions and services from U Evaluate factors of UA sustainability 		
DING ON THE CONTEXT				
	Learning Objectives Compare the basis of the various definitions of UA Provide consumption and urbanization context of UA Present the current professional context Provide knowledge on territory diagnostic and governance based on urban or peri-urban context Identify the main challenges regarding UA activities Characterize actors and stakeholders Compare the basis of the various definitions of UA CECOSYSTEM SERVICES OF UA Learning Objectives Explain the evolution between multifunctionality and ecosystem services concepts Present the diversity of functions and services of UA Set the basis for an analysis of UA in regards with economical, environmental and social pillar	Learning Objectives - Compare the basis of the various definitions of UA - Provide consumption and urbanization context of UA - Present the current professional context - Provide knowledge on territory diagnostic and governance based on urban or peri-urban context - Identify the main challenges regarding UA activities - Characterize actors and stakeholders - Compare the basis of the various definitions of UA DECOSYSTEM SERVICES OF UA Learning Objectives Duration - Explain the evolution between multifunctionality and ecosystem services concepts - Present the diversity of functions and services of UA - Set the basis for an analysis of UA in regards with economical, environmental and social pillar		



Urban Green Train: moodle



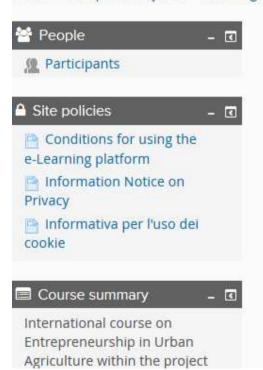


ALMA MATER STUDIORUM UNIVERSITÀ DI BOLOGNA

SERVIZIO E-LEARNING: PROGETTI

Urban Agriculture - Urban Green Train Erasmus+ project

Home > European Projects > Urban Agriculture - Urban Green Train Erasmus+ pro...





International course on Entrepreneurship in Urban Agriculture within the project ERASMUS+
URBAN GREEN TRAIN

www.urbangreentrain.eu



GREEN Evaluation Urban Green Train course AGRO

(n=33-55)

Item	Positive answer
Content clear and well structured	94 % (88 – 100%)
Clear & useful assignments	86 % (81 - 94 %)
Tutors' feedbacks assignments	79 % (75 – 82 %)
Chance to exchange	94 % (91 – 98 %)
Content useful	88 % (75 – 100%)
Application for your own UA activities	93 % (88 – 96 %)

Drop-out rate (42 received the ompletion certificate)
Need for sharing experience: blended course (86.7% approved)





Perspectives



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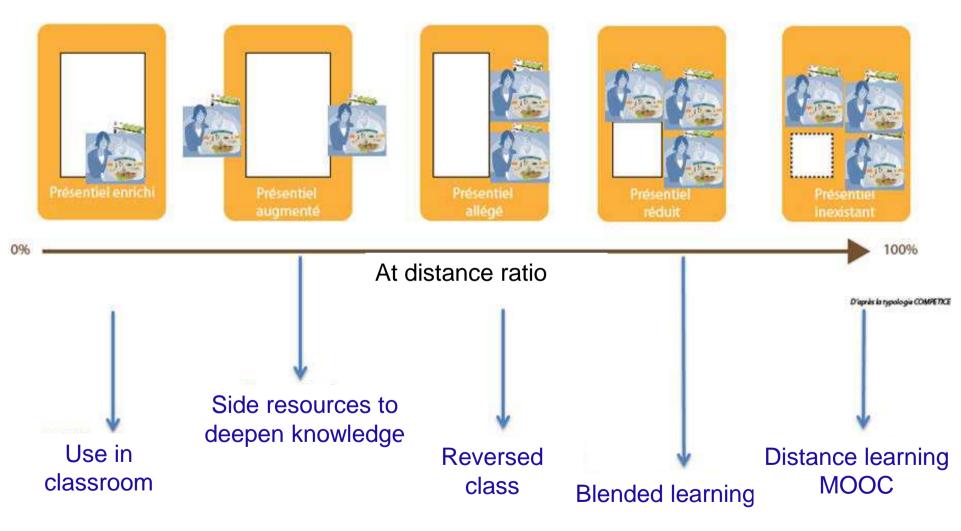
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GREEN Perspectives: resources valorisation CAMPUS TRAIN



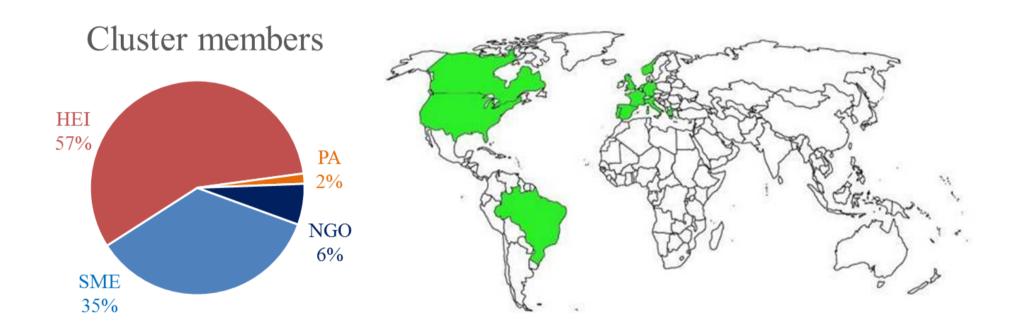


UGT course / consortium



Perspectives: EU cluster





UrbanAG Francesco Orsini (f.orsini@unibo.it)









URBAN GReen Education for ENTteRprising Agricultural INnovation

Entrepreneurship and urban agriculture: what skills to succeed?

10-11 July 2017

Urban Green Train final international conference, Paris, France

Venue: AgroParisTech, 19 avenue du Maine, 75015 Paris (Close to Montparnasse rail station) **Expected outcomes / output**:

- Final restitution and perspectives of Urban Green Train project
- Exchange with stakeholders, share of entrepreneurial experiences
- Launch of EU cluster and French HI-research annual meeting on urban agriculture

Monday 10 July

Conference day	
8.00 - 8.30	Welcoming of participants
8.30 - 9.00	Welcome address by G. Trystram, AgroParisTech general director
	Welcome address by C. Bernhard, Agreenium director
	Introduction to the conference (E. Geoffriau, Agreenium / Agrocampus Ouest, FR)
9.00 - 10.45	Urban Green Train restitution (Moderator : R. Kahane, Agreenium / Cirad, FR)
	- Presentation of Urban Green Train Erasmus + project (G. Gianquinto, Univ Bologna, IT)
	- Assessment of economic entrepreneurial models (F. Hoekstra, RUAF, NL)
	- Entrepreneurial ideas & business plans (A. Cormery & M. D'Ambrosio, Urban Green Train course participants)

Niveau français : lancement de journées annuelles de la recherche et enseignement supérieur sur l'agriculture urbaine

S'inscrire : http://www.vegepolys.eu/agenda/



Thanks to







Emmanuel.Geoffriau@agrocampus-ouest.fr

On behalf of all the UGT partners:



















