

UGT Curriculum External Readings

Module 1 - Introduction into urban agriculture concept and types

Introduction:

Page 5: Urban Agriculture initiatives toward a mindset change

http://www.urbangreentrain.eu/upimg/pdf/IO1_New_UA_initiatives_toward_mindset_change_UGT_final.pdf

Paper, 46 pages

1.1 Urban Agriculture concept and environment

1.1.1 Defining Urban Agriculture

Page 11: René van Veenhuizen, Cities Farming for the Future in Cities Farming for the Future: Urban Agriculture for Green and Productive Cities, ed. René van Veenhuizen.

<http://www.ruaf.org/publications/cities-farming-future-urban-agriculture-green-and-productive-cities>

Book, 459 pages

Page 11: GSDR 2015 Brief Urban Agriculture

<http://agriculturaurbana.org.br/ugt/GSDR%202015%20brief%20UA%20-%201.1.1.pdf>

Paper, 13 pages

Page 11: COST Action Urban Agriculture in Europe – Definition of Urban Agriculture

http://www.urban-agriculture-europe.org/mediawiki/index.php/Definition_of_Urban_Agriculture

Webpage

Page 13: Milan Urban Food Policy Pact

<http://www.milanurbanfoodpolicypact.org/wp-content/uploads/2016/06/Milan-Urban-Food-Policy-Pact-EN.pdf>

Paper, 6 pages

Page 14: Reference - Growing Greener Cities in Latin America and the Caribbean

<http://www.fao.org/3/a-i3696e.pdf>

Publication, 51 pages

1.1.2 Trends in food and non-food consumption

Page 15: Grown for Biofuel

<http://theearthproject.com/biofuel/>

Webpage

Page 15: Organic Europe Net

<http://www.organic-europe.net/europe-statistics/statistics-publications.html?L=%25252527A%2525253D0>

Webpage

Page 15: Natural Food Insider

<https://www.naturalproductsinsider.com/blogs/food-beverage-perspectives/2016/05/u-s-organic-food-sales-skyrocket-to-39-7-billion.aspx>

Webpage

1.1.3 Professional trends in relation with urban agriculture

Page 18: Eleven Apps for the farmers market

<https://foodtank.com/>

Webpage

Page 18: Food for Good

<http://www.foodforgood.nl/>

Webpage

Page 19: Apps for urban farmers

<http://popupcity.net/apps-for-urban-farmers/>

Webpage

Page 19: Bright Farms

<https://www.brightfarms.com/s/>

Website

Page 19: Lufa Farms

<https://montreal.lufa.com/en/>

Website

Page 20: Hei-tro

<http://www.hei-tro.com/UrbaneLandwirtschaft/aquaponik/>

Webpage

Page 20: Project Ful

<http://www.fermeful.com/>

Website

Page 20: Reference – Initiatives toward mindset change

http://www.urbangreentrain.eu/upimg/pdf/IO1_New_UA_initiatives_toward_mindset_change_UGT_final.pdf

Paper, 46 pages

1.1.4 Trends in city development and urban planning

Page 22: Blue-Green Cities

<http://www.bluegreencities.ac.uk/about/about.aspx>

Webpage

Page 22: New Urbanism

<https://frameworks.ced.berkeley.edu/tag/new-urbanism/>

Webpage

Page 22: Bohn and Viljoen Architects

<http://www.bohnandviljoen.co.uk/>

Website

1.1.5 Territorial analysis and governance

Page 25: Cities, Poverty and Food; Multi-stakeholder Policy and Planning in Urban Agriculture

<http://www.ruaf.org/publications/cities-poverty-and-food-multi-stakeholder-policy-and-planning-urban-agriculture>

Book (chapter 2), 52 pages

1.1.6 Challenges for UA

Page 30: Vacant Lots to Vibrant Plots

<http://www.urbangreentrain.eu/imgs/dwnld/18/1.1.7%20Vacant%20lots%20to%20vibrant%20plots%20a%20review%20of%20the%20benefits%20and%20limitation%20of%20urban%20agriculture.pdf>

Publication, 25 pages

1.2 From multifunctionality to ecosystems services of Urban Agriculture

1.2.1 Concepts of multifunctionality and ecosystem services

Page 37: Urban Agriculture Magazine 15#

<http://www.ruaf.org/ua-magazine-no-15-multiple-functions-urban-agriculture>

Magazine, 48 pages

Page 39: Millennium Ecosystem Assessment

<http://www.millenniumassessment.org/en/index.html>

Webpage

Page 39: Cultural Ecosystem Services

<https://www.youtube.com/watch?v=PZpLrVa5jBc>

Lecture in video

1.2.2 Services from UA

Page 40: Ecosystem services and dis-services to agriculture

[http://www.urbangreentrain.eu/imgs/dwnld/18/1.2.2%20\(1\)%20Ecosystem%20services%20and%20dis-services%20to%20agriculture.pdf](http://www.urbangreentrain.eu/imgs/dwnld/18/1.2.2%20(1)%20Ecosystem%20services%20and%20dis-services%20to%20agriculture.pdf)

Paper, 8 pages

Page 40: Ecosystem services and agriculture: Cultivating agricultural ecosystems for diverse benefits

[http://www.urbangreentrain.eu/imgs/dwnld/18/1.2.2%20\(2\)%20Ecosystem%20services%20and%20agriculture.pdf](http://www.urbangreentrain.eu/imgs/dwnld/18/1.2.2%20(2)%20Ecosystem%20services%20and%20agriculture.pdf)

Paper, 8 pages

Page 43: Nature and Health in Sweden

<file:///C:/Users/user/Downloads/1263-Article%20Text-964-1-10-20070215.pdf>

Paper, 8 pages

Page 44: Peri-urban agriculture – Review of social demands

[http://www.urbangreentrain.eu/imgs/dwnld/18/1.2.2%20\(3\)%20Periurban%20agriculture%20-%20Review%20of%20social%20demands%20and%20the%20provision%20of%20goods%20and%20services%20by%20farming.pdf](http://www.urbangreentrain.eu/imgs/dwnld/18/1.2.2%20(3)%20Periurban%20agriculture%20-%20Review%20of%20social%20demands%20and%20the%20provision%20of%20goods%20and%20services%20by%20farming.pdf)

Paper, 11 pages

Page 44: Evaluating the benefits of Peri-urban Agriculture

[http://www.urbangreentrain.eu/imgs/dwnld/18/1.2.2%20\(4\)%20Evaluating%20the%20benefits%20of%20peri-urban%20agriculture.pdf](http://www.urbangreentrain.eu/imgs/dwnld/18/1.2.2%20(4)%20Evaluating%20the%20benefits%20of%20peri-urban%20agriculture.pdf)

Paper, 19 pages

1.2.3 Sustainable development of UA

Page 45: Sustainable urban agriculture in developing countries

[http://www.urbangreentrain.eu/imgs/dwnld/18/1.2.3%20\(1\)%20Sustainable%20urban%20agriculture%20in%20developing%20country.pdf](http://www.urbangreentrain.eu/imgs/dwnld/18/1.2.3%20(1)%20Sustainable%20urban%20agriculture%20in%20developing%20country.pdf)

Paper, 13 pages

Page 45: Reaching for a sustainable, resilient urban future using the lens of ecosystem services

[http://www.urbangreentrain.eu/imgs/dwnld/18/1.2.3%20\(2\)%20Reaching%20for%20a%20sustainable,%20resilient%20urban%20future%20using%20the%20lens%20of%20ecosystem%20services.pdf](http://www.urbangreentrain.eu/imgs/dwnld/18/1.2.3%20(2)%20Reaching%20for%20a%20sustainable,%20resilient%20urban%20future%20using%20the%20lens%20of%20ecosystem%20services.pdf)

Paper, 7 pages

Page 45: Sustainable urban agriculture: Stocktake and opportunities

https://www.researchgate.net/publication/233555575_Sustainable_urban_agriculture_Stocktake_and_opportunities

Webpage

1.3 Evolution of urban agriculture depending on the context

1.3.2 Evolution of Urban Agriculture in Africa

Page 49: Growing greener cities in Africa

[http://www.urbangreentrain.eu/imgs/dwnld/18/1.3.2%20\(1\)%20Growing%20Greener%20Cities%20Africa.pdf](http://www.urbangreentrain.eu/imgs/dwnld/18/1.3.2%20(1)%20Growing%20Greener%20Cities%20Africa.pdf)

Book: 126 pages

Page 50: Growing a sense of place and community in Cape Town

[http://www.urbangreentrain.eu/imgs/dwnld/18/1.3.2%20\(2\)Growing%20a%20sense%20of%20place%20and%20community%20in%20Cape%20Town.pdf](http://www.urbangreentrain.eu/imgs/dwnld/18/1.3.2%20(2)Growing%20a%20sense%20of%20place%20and%20community%20in%20Cape%20Town.pdf)

Publication: 4 pages

1.3.4 Evolution of UA in Latin America and the Caribbean

Page 55: Growing greener cities in Latin America and the Caribbean

<http://www.urbangreentrain.eu/imgs/dwnld/18/1.3.4%20Growing%20Greener%20Cities%20in%20Latin%20America%20and%20the%20Carribeans.pdf>

Book: 51 pages

Page 58: Reference - COST Action Urban Agriculture Europe: French programs to facilitate periurban agriculture

http://agriculturaurbana.org.br/uqt/stsm_report_avignon.pdf

Publication: 18 pages

1.4 Typology of urban agriculture activity

1.4.2 Diversity and typology of production systems in UA

Page 59: Eta-Beta (photo on the left)

<http://www.etabeta.coop/> (its own website)

Page 59: De Moestuïn (photo on the right)

<http://www.vanbergenkolpa.nl/postbus/website/NFSL.pdf> (its own website)

Page 59: COST Action Urban Agriculture – Types of Urban Agriculture

http://www.urban-agriculture-europe.org/mediawiki/index.php/Types_of_Urban_Agriculture
Website

Page 59: Eta Beta

http://www.urbangreentrain.eu/en/?id=UA_Enterprises&category=415&product=1737

UGT Website

Page 59: De Moestuïn

http://www.urbangreentrain.eu/en/?id=UA_Enterprises&category=415&product=1738

UGT Website

Page 60: Reference – New UA Initiatives toward mindset change

http://www.urbangreentrain.eu/upimg/pdf/IO1_New_UA_initiatives_toward_mindset_change_UGT_final.pdf

Paper, 46 pages

1.4.3 Case studies exercises

Page 61: Urban Green Train enterprises

http://www.urbangreentrain.eu/en/?id=UA_Enterprises

Website

UGT Curriculum External Readings

Module 2 - Resource use from a challenge perspective

Introduction:

Page 5: Urban Agriculture initiatives toward a mindset change

http://www.urbangreentrain.eu/upimg/pdf/IO1_New_UA_initiatives_toward_mindset_change_UGT_final.pdf

Paper, 46 pages

2.1 Urban Agriculture concept and environment

2.1.3 Urban Agriculture for biodiversity and ecology

Page 11: Horticulture in towns for Inclusion and Socialisation

<http://www.hortis-europe.net/>

Website

Page 11: Sustainable Urban Garden Management

<http://www.urbangreentrain.eu/imgs/dwnld/17/2.1.3%20Sustainable%20Urban%20Graden%20Management.pdf>

Book, 79 pages

2.1.4 Sustainable management of agricultural inputs

Page 14: Euronatur

<https://www.euronatur.org/>

Website

2.1.5 Management of polluted soils

Page 16: Assignment - Heavy metal accumulation in vegetables grown in urban gardens

<http://www.urbangreentrain.eu/imgs/dwnld/17/Heavy%20metal%20accumulation%20in%20vegetables%20grown%20in%20urban%20gardens%20.pdf>

Paper, 11 pages

2.2 Urban Agriculture for reducing the city ecological footprint

Page 17: Urban versus conventional agriculture, taxonomy of resource profiles

<http://www.urbangreentrain.eu/imgs/dwnld/17/Urban%20versus%20conventional%20agriculture,%20taxonomy%20of%20resource%20profiles%20a%20review.pdf>

Paper, 19 pages

2.2.2 Boosting freshness: Food waste reduction and environmental implications

Page 19: Energy balance for locally grown versus imported apple fruit

<http://www.urbangreentrain.eu/imgs/dwnld/17/Energy%20balance%20for%20locally%20grown%20versus%20imported%20apple%20fruit.pdf>

Paper, 3 pages

2.2.3 Environmental justice: Minimizing geographic trade-offs by promoting localism

Page 20: Eating closer to home – an urban consumer's manual

<http://www.hortis-europe.net/files/documenti/inglese/final-e-books/web-e-book-5-engl-last.pdf>

Publication, 48 pages

2.2.4 Assessing the sustainability dimensions of urban agriculture

Page 21: Techniques and crops for efficient rooftop gardens in Bologna, Italy

<http://www.urbangreentrain.eu/imgs/dwnld/17/Techniques%20and%20crops%20for%20efficient%20rooftop%20gardens%20in%20Bologna,%20Italy.pdf>

Paper, 14 pages

2.3 Urban Agriculture for resource efficiency and waste management

2.3.2 Waste-to-resources: the potential uses of bio-waste

Page 35: European Commission

<http://ec.europa.eu/environment/waste/compost/>

Webpage

Page 35: Being wise with waste

<http://ec.europa.eu/environment/waste/pdf/WASTE%20BROCHURE.pdf>

Publication, 20 pages

Page 35: Environment Action Programme

<http://ec.europa.eu/environment/action-programme/>

Webpage

Page 36: Biodegradable waste

<http://ec.europa.eu/environment/waste/compost/>

Webpage

Page 36: Optional reading 1

<http://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:32008L0098>

Webpage

Page 36: Optional reading 2

<http://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:31999L0031>

Webpage

Page 37: Green Paper on the management of bio-waste

<http://eur-lex.europa.eu/legal-content/en/TXT/?uri=CELEX%3A52008DC0811>

Webpage

2.4 Urban Agriculture for improving city climate

2.4.1 UA for improving city Climate

Page 44: UA as green infrastructure: the case of New York City

<http://www.urbangreentrain.eu/imgs/dwnld/17/UA%20as%20Green%20Infrastructure.pdf>

Paper, 4 pages

2.4.3 Minimizing the urban heat island

Page 49: Building a green infrastructure for Europe

<http://www.urbangreentrain.eu/imgs/dwnld/17/Building%20a%20green%20infrastructure%20for%20europe.pdf>

Publication, 24 pages

UGT Curriculum External Readings

Module 3 - Urban Agriculture types/production systems and short food chains

Introduction:

Page 5: Urban Agriculture initiatives toward a mindset change

http://www.urbangreentrain.eu/upimg/pdf/IO1_New_UA_initiatives_toward_mindset_change_UGT_final.pdf

Paper, 46 pages

3.1 Overview of Urban Agriculture types

3.1.1 Micro-farming in and around the house

Page : RUAF

<http://www.ruaf.org/projects/market-oriented-urban-agriculture-gaza>

Webpage

3.1.2 Micro-farming in and around the house

Page 15: Poliflor

http://www.urbangreentrain.eu/inventory/pdf/UGT_POLIFLOR_IT_FULL_CASE.pdf

Webpage

Page 15: Horticity

http://www.urbangreentrain.eu/inventory/pdf/HORTICITY_UGT_IT_FULLCASE.pdf

Website

Page 15: AMAEVA

http://www.urbangreentrain.eu/inventory/pdf/AMAEVA_Full_case.pdf

Webpage

Page 15: Topager

http://www.urbangreentrain.eu/inventory/pdf/TOPAGER_Full%20case-NB.pdf

Webpage

Page 15: BiodiverCity

http://www.urbangreentrain.eu/inventory/pdf/BIODIVERCITY_FULL_CASE.pdf

Webpage

3.1.3 Community and institutional gardens

Page 20: Composting at the community Garden

<http://vcgn.org/wp-content/uploads/2013/12/CompostingInCommunityGardens-GrowPittsburgh.pdf>

Paper, 2 pages

Page 21: Utrecht

<http://objectdesk.gemgids.nl/Publication/Site/272>

Webpage

Page 23: Life Lab

<http://www.lifelab.org/for-educators/schoolgardens/>

Website

3.1.4 Small-scale commercial horticulture

Page 25: Farmville to table

<https://www.healthline.com/health-news/how-savvy-millennials-are-revolutionizing-agriculture-011315>

Webpage

Page 28: Permaculture

<http://www.neverendingfood.org/b-what-is-permaculture/>

Webpage

3.1.5 Small-scale commercial livestock keeping

Page 30: Königshausen - Kurban bayrami

<http://www.urbangreentrain.eu/>

Webpage

3.1.6 Urban aquaculture/aquaponics

Page 36: Aquaponics Source

<https://www.theaquaponicsource.com/what-is-aquaponics/?v=cd32106bcb6d>

Webpage

Page 37: Toronto Star

https://www.thestar.com/news/gta/2014/01/03/aquaponics_brings_fishfuelled_vegetables_to_toronto.html

Webpage

Page 38: South Africa

<https://www.youtube.com/watch?v=bu5csdE7kYA>

Video

3.1.7 Small-scale specialized production system

Page 42: De Haagse Stadswijngaard

http://www.urbangreentrain.eu/en/?id=UA_Enterprises&category=415&product=1740

Webpage

Page 42: Advancing the small scale, local food sector in Manitoba

<https://www.gov.mb.ca/agriculture/food-and-ag-processing/pubs/small-scale-food-report.pdf>

Publication, 66 pages

Page 44: TRADEIT

<http://www.tradeitnetwork.eu/The-Project--TRADEIT--Support-for-the-Traditional-Food-Sector>

Webpage

3.1.10 Urban forestry

Page 59: Johannesburg City Parks and Zoos

<http://www.jhbcityparks.com/index.php/tree-planting>

Webpage

3.1.11 Vertical farming (wall, in building, soilless or not)

Page 61: Spread Farm, Japan

<http://spread.co.jp/en/product/>

Webpage

Page 64: Source: <http://spread.co.jp/en/environment/>

<http://spread.co.jp/en/environment/>

Webpage

Page 64: Le vivant et la ville

<http://www.levivantetlaville.com/>

Website

3.2 Urban Agriculture integration in agri-business

3.2.3 Processing and marketing

Page 74: Innovative short food supply chain management

<https://ec.europa.eu/eip/agriculture/en/conten%20%20ont/innovative-short-food-supply-chain-management>

Webpage

3.3 Innovation in urban agriculture

Page 75: Editorial - Innovations in Urban Agriculture

<http://www.ruaf.org/editorial-innovations-urban-agriculture>

RUAF Webpage (UAM n# 28)

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Module 4 - Networking and Governance

Introduction:

Page 5: Urban Agriculture initiatives toward a mindset change

http://www.urbangreentrain.eu/upimg/pdf/IO1_New_UA_initiatives_toward_mindset_change_UGT_final.pdf

Paper, 46 pages

4.1 Governance issue and networking

4.1.1 Introduction to Governance and Networking

Page 9: Rotterzwam

http://www.urbangreentrain.eu/en/?id=UA_Enterprises&category=415&product=1741

Webpage

Page 9: Jardin de l'Avenir

http://www.urbangreentrain.eu/fr/?id=UA_Enterprises&category=415&product=1755

Webpage

4.2 Legal and policy issues

4.2.4 Policy instruments for UA

Page 20: KickStarter

<https://www.kickstarter.com/projects/search?term=urban+gardening>

Webpage

Page 20: City of Vancouver Policy Report Development and Building

<http://vancouver.ca/files/cov/urban-agriculture-guidelines.pdf>

Paper, 11 pages

4.2.5 Examples of policy and regulations

Page 20: Milan Urban Food Policy Pact

<http://www.milanurbanfoodpolicypact.org/>

Website

Page 23: Milan leads fight against food waste

<https://www.theguardian.com/cities/2016/oct/16/milan-fight-against-food-waste-ugly-fruit-grassroots-world-food-day>

Webpage

Page 24: Quito, Ecuador: A Metropolitan Agriculture Programme

<http://www.ruaf.org/publications/city-region-food-systems-and-food-waste-management-2016>

Report, page 58

Page 25: French law forbids food waste by supermarkets

<https://www.theguardian.com/world/2016/feb/04/french-law-forbids-food-waste-by-supermarkets>

Webpage

4.2.6 Key policy recommendations and courses of action

Page 26: Supurbfood

<http://www.supurbfood.eu/>

Webpage

Page 26: Milan Urban Food Policy Pact

<http://www.milanurbanfoodpolicypact.org/wp-content/uploads/2016/06/Milan-Urban-Food-Policy-Pact-EN.pdf>

Paper, 6 pages

Page 27: Food loss and food waste

<http://www.fao.org/food-loss-and-food-waste/en/>

Webpage

Page 28: Sustainable development

<https://sustainabledevelopment.un.org/sdgs>

Website

Page 28: Council of the European Union

<http://data.consilium.europa.eu/doc/document/ST-10730-2016-INIT/en/pdf>

Paper, 12 pages

Page 28: City-region food systems

<http://www.ruaf.org/publications/city-region-food-systems-and-food-waste-management-linking-urban-and-rural-areas>

RUAF webpage (and publication, 4 pages)

Page 28: Urban food policies and programmes

<http://www.ruaf.org/urban-food-policies-and-programmes-overview>

RUAF webpage (and RUAF paper, 30 pages)

Page 29: Toronto Agricultural Programme

<https://www.toronto.ca/legdocs/mmis/2013/pe/bgrd/backgroundfile-62375.pdf>

Paper, 25 pages

4.2.7 Policy lobbying strategies

Page 30: Business dictionary

<http://www.businessdictionary.com/definition/lobbying.html>

Webpage

Page 32: Urban Agriculture Action Plan

http://tfpc.to/wordpress/wp-content/uploads/2012/08/GrowTO_ActionPlan_lowresFINAL.pdf

Publication, 24 pages

4.3 Legal and policy issues

4.3.1 Networks and businesses

Collective Farmers' Marketing Initiatives in Europe: Diversity, Contextuality and Dynamics

[http://agriculturaurbana.org.br/uqt/COFAMI_Schermer%20et%20al_IJSAF\(1\).pdf](http://agriculturaurbana.org.br/uqt/COFAMI_Schermer%20et%20al_IJSAF(1).pdf)

Paper, 11 pages

Page 35: *Limiting and enabling factors of collective farmers' marketing initiatives*

<http://agriculturaurbana.org.br/uqt/COFAMI-Knickel-et-al.pdf> (I changed the file's original name to avoid an error)

Paper, 24 pages

UGT Curriculum External Readings

Module 5 - The world of business and urban demands

Introduction:

Page 5: Urban Agriculture initiatives toward a mindset change

http://www.urbangreentrain.eu/upimg/pdf/IO1_New_UA_initiatives_toward_mindset_change_UGT_final.pdf

Paper, 46 pages

5.2 Planning the business

5.2.2 Business Model Canvas and Value Proposition Canvas

Page 25: Strategyzer

<http://www.strategyzer.com/>

Website

5.2.5 Detailing the business – Business Plan Economics

Page 37: SWICE calculation tool

http://www.urbangreentrain.eu/imgs/dwnld/24/A1_M5_SWICE%20Calc.xlsx

Software download

Page 44: Profitability calculation tool

http://www.urbangreentrain.eu/imgs/dwnld/24/A2_M5_Profitability%20calculation%20tool.xls

Software download