

# TRANSITION TOWARDS A NATURE CITY

*Professional training program on urban green spaces management*



## PARTICIPANT HANDBOOK



eco-union



## Professional training program on urban green space management

European exchange program for professionals and actors of the environment on the management of urban green spaces

**October 22<sup>nd</sup>-26<sup>th</sup>, 2018**

**Barcelona, Spain**

---

*This project has been funded with the support of the European Commission*



*With the kind collaboration and support of Urban Ecology Department of Barcelona City Council*



*Project Partners*



# Table of Contents

	5
<b>COURSE OBJECTIVES AND APPROACH</b>	6
<b>FULL WEEK SCHEDULE</b>	8
<b>DAY 1 – WELCOME &amp; NETWORKING</b>	11
10:00-11:00   INTRODUCTION TO THE WEEK AND PARTNERS PRESENTATIONS + EVENT	
HIGHLIGHTS AND CONFERENCE	11
11:00-11:30   COFFEE BREAK	11
11:30-13:00   NETWORKING ACTIVITY	11
13:00-14:30   LUNCH	11
14:30-15:00   TRANSPORT TO POBLENOU	11
15:00-18:00   SOCIAL ACTIVITY: “THE OTHER SIDE”, ULLA TAIPALE, CEMENTERY OF POBLENOU	11
<b>DAY 2 – ECOFORUM: TRANSITIONS TOWARDS NATURE CITIES (INTERNATIONAL CONFERENCE)</b>	15
10:00-10:30   WELCOME	16
11:00-11:30   COFFEE BREAK AT THE HALL	16
11:30-13:00   PLENARY SESSION: PUBLIC HEALTH AND NATURE IN CITIES	16
<b>DAY 3 – WORKSHOP: PLANNING FOR TREE MANAGEMENT IN CITIES, DELIVERED BY CPH UNIVERSITY</b>	23
10:45-11:15   COFFEE BREAK	24
11:15-12:00   URBAN TREE INVENTORIES – PRACTICAL TOOLS FOR MANAGEMENT, PLANNING AND COMMUNICATION BY ALEX HERSFELDT	24
12:00-13:30   WORKSHOP II: DISCUSSION OF PARAMETERS FOR & DESIGN OF TREE INVENTORIES FOR SPECIFIC PURPOSES(MANAGEMENT, PUBLIC COMMUNICATION, HAZARDOUS TREES) BY OLIVER BÜHLER, SUSANNE OGSTRUP, ALEX HERSFELDT AND CARSTEN LUX	24
12:30-13:15   BARCELONA TREE STRATEGY AND BIODIVERSITY BY JOAN GUITAR, ELISENDA LURBES (BARCELONA CITY COUNCIL)	24
11:40-11:55   COFFEE BREAK	28
<b>DAY 5 – RECAP DAY AND NETWORKING</b>	32
09:30-10:30   CONCLUSIONS FROM THE WEEK BY PARTICIPANTS (COLLECTIVE EVALUATION).	32

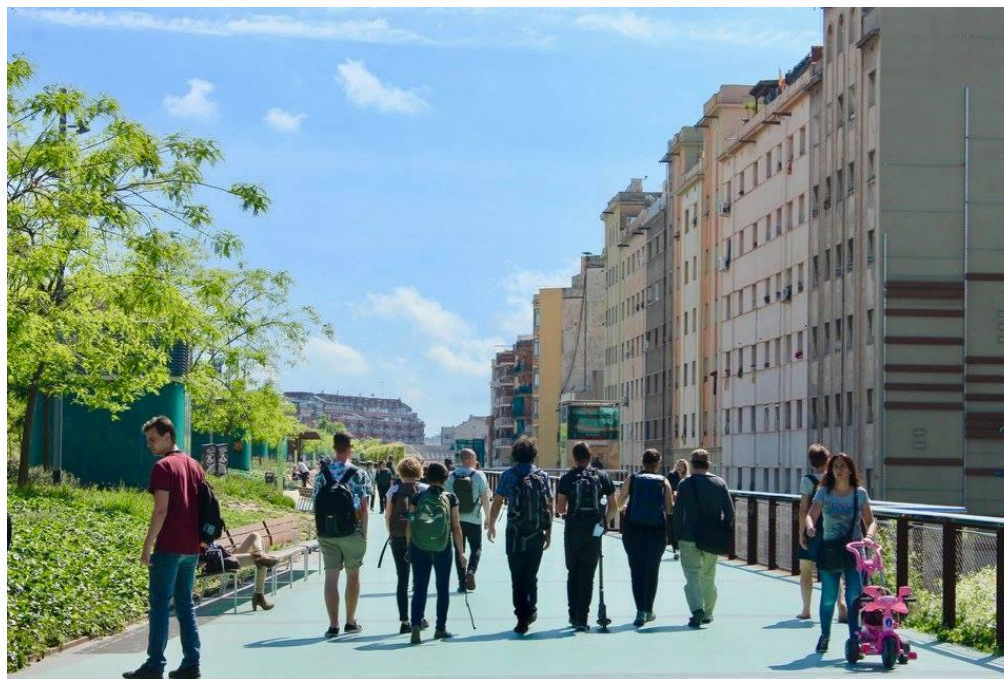
<b>11:00-11:30   COFFEE BREAK</b>	<b>32</b>
<b>11:30-12:30   NETWORKING SESSION</b>	<b>32</b>
<b>12:30   GROUP PICTURE</b>	<b>32</b>
<b>13:00   LUNCH</b>	<b>32</b>



The naturalization of cities is a complex process in which natural, economic, social, cultural and political issues are interlinked. This process contributes to the adaptation of cities to climate change and reinforces ecosystem services, whilst representing an opportunity to encourage new mediums of citizen participation. However, the naturalization of cities needs to be planned according to the diverse environmental and social conditions of urban areas. A poor planned naturalization of urban spaces could jeopardize the resilience of the urban system in terms of water consumption and lead to negative economic, social and environmental impacts.

The training course approaches diverse questions about naturalization processes and focuses on practical issues in order to tackle key challenges such as the sustainable maintenance of green spaces as well as the naturalization of public spaces and playgrounds. The training approach is multidisciplinary and delivered by both academics and practitioners.

PROGRESS Training courses are educational exchange programs with events designed to provide a networking and exchange experience with European practitioners related to urban green space management.



## Course objectives and approach

The fifth and final event of the PROGRESS Project organized by eco-union will be held in Barcelona from the 22th to the 26th of October 2018.

### Vertical issues:

- urban biodiversity management
- green space maintenance
- planning for green spaces

### Horizontal issues:

- nature accessing
- climate change adaptation
- sustainability in an urban context
- public health

**Organizer:** eco-union

**Partners:** University of Copenhagen, Orchis Ingénierie and Goodplanet Belgium

**Schedule:** 5 days. 22th of October – 26th of October 2018

**Language:** English

**Number of participants:** 25 practitioners and students (14 Danish, 8 Belgian, 6 French, 2 Spanish)

### Target audience:

- Anyone who can contribute to the development and maintenance of sustainable urban areas including both social, environmental and economic issues
- Anyone who can collaborate with other relevant actors in the development of sustainable management and sustainable green areas
- Anyone who can, in collaboration with others, devise solutions for sustainable management in urban areas

**This event has been organised by eco-union in collaboration of Forest and Landscape College (University of Copenhagen), Orchis Ingénierie and GoodPlanet Belgium.**

## Full Week Schedule

Monday - Day 1 – Welcome & Networking		
10:00-11:00	Introduction to the week and partners presentations + Event highlights and conference	Conference Room, Pati Llimona
11:00-11:30	Coffee break at hall	
11:30-12:45	Networking activity	
13:00-14:30	Lunch at restaurants	
15:00-16:30	Itinerary: <i>The other side</i> at the Cemetery of Poblenou	Cemetery of Poblenou
16:30-18:00	Visit of an urban public orchard in Sagrada Família neighbourhood	199-201, Padilla St.
19:30-21:30	Welcome Dinner at Rasoterra Restaurant	Rasoterra Restaurant
Tuesday - Day 2 – Ecoforum: Transitions towards Nature Cities		
10:00	Welcome	Pati Llimona Centre (Maria Aurèlia Capmany Room)
10:30-11:00	Keynote: Green Trajectories and social equity in cities, Isabelle Anguelovski, Researcher, ICTA-UAB	
11:00-11:30	Coffee Break at hall	
11:30-13:00	Plenary session: Urban Transition: Public Health and Nature in Cities	
13:00-14:00	Lunch at hall	
14:00-15:30	Technical Session I: The Scandinavian Experience on Urban Biodiversity and Climate Change	
15:30-17:00	Technical Session II: Building Water Resilience Systems for Naturalization in	



	<b>Mediterranean cities</b>	
17:00	<b>Closing</b>	
<b>Wednesday - Day 3 – Workshop: Planning for Tree Management in Cities, delivered by CPH University</b>		
09:30-09:40	<b>Introduction to the day</b>	Conference Room, Pati Llimona
09:45-10:15	<b>From Grey to Green – Challenge and Opportunities</b>	
10:15-10:45	<b>Workshop I: Sharing Urban Tree Management Experience</b>	
10:45-11:15	<b>Coffee Break at hall</b>	
11:15-12:00	<b>Urban Tree Inventories – Practical Tools for Management, Planning and Communication</b>	
12:00-12:30	<b>Workshop II: Discussion of Parameters &amp; Design of Tree Inventories for Specific Purposes (Management, Public Communication, Hazardous Trees)</b>	
12:30-13:15	<b>Barcelona Biodiversity Plan with Focus on Trees</b>	
13:30-14:30	<b>Lunch at restaurants</b>	
15:00-17:00	<b>Technical Visit: Barcelona Biodiversity Plan with Focus on Trees</b>	
<b>Thursday - Day 4 – Workshop: Nature-based solutions for playgroup, delivered by GoodPlanet Belgium</b>		
10:00-10:10	<b>Introduction</b>	Palau Alòs (different venue!!)
10:10-10:30	<b>Presentation: Guidelines to Creating Green Playspaces</b>	
10:30-10:45	<b>Q/A</b>	
10:45-11:20	<b>Presentation of Barcelona Strategy for Playful City</b>	
11:20-11:40	<b>Q/A</b>	
11:40-11:55	<b>Coffee Break at hall</b>	

11:55-13:15	<b>Case Study: Plaça Sant Miquel (Gothic Quartier, Barcelona)</b>	
13:30-14:30	<b>Lunch Break at restaurants</b>	
15:00-16:00	<b>Working Groups</b>	
16:00-17:00	<b>Short Presentation of Posters</b>	
17:00-17:15	<b>Collective Reflection</b>	
<b>Friday - Day 5 – Recap and participants presentation</b>		
10:00-11:00	<b>Conclusions from the week by partners and participants</b>	Conference Room, Pati Llimona
11:00-11:30	<b>Coffee Break at hall</b>	
11:30-12:30	<b>Networking Session</b>	
12:30	<b>Group Picture</b>	
13:00	<b>Lunch at restaurants</b>	

## Day 1 – Welcome & Networking

*Location: Pati Llimona, 3 Regomir Street, 08002 Barcelona – [see map link](#)*

The first day is an introduction to the week and the first chance for networking among participants and teachers.

**10:00-11:00 | Introduction to the week and partners presentations + Event highlights and conference**

**11:00-11:30 | Coffee break**

**11:30-13:00 | Networking activity**

**13:00-14:30 | Lunch**

**14:30-15:00 | Transport to Poblenou**

**15:00-18:00 | Social Activity: “The other side”, Ulla Taipale, Cemetery of Poblenou**

*Location: Av. d'Icària, s/n, 08005 Barcelona – See map link*

“The other side” Ulla Taipale (A Finnish art creator, researcher and artist), poses a literary visit at the cemetery of Poblenou, along the tombs with angels or beekeeping elements according to classical myths. Bees have the ability to travel between the world of living and the dead. Follow this route and listen to vacuum of ringings from different eras that refer to this insects. This inspirational itinerary tries to make people reflection about the role of bees in today’s world and the relation with the society.

Ulla Taipale (FI/CAT) is art curator, researcher and artist. Her work *The Other Side*, installed in the historical cemetery of Poble Nou, Barcelona is a literary visit to the fascinating world of bees. According to classical mythology, bees have the ability to travel between the realms of the living and the dead. A smartphone app, Arilyn, allows participants to listen to excerpts of writings from different periods that contain references to these insects. As a part of the PROGRESS program, Taipale guides the participants through the thought-provoking itinerary and our common history with bees. *The Other Side* was a part of *Beehave* exhibition of Fundació Miró, and will be exhibited in the cemetery of Poble Nou until the end of the year. More about the artwork here.



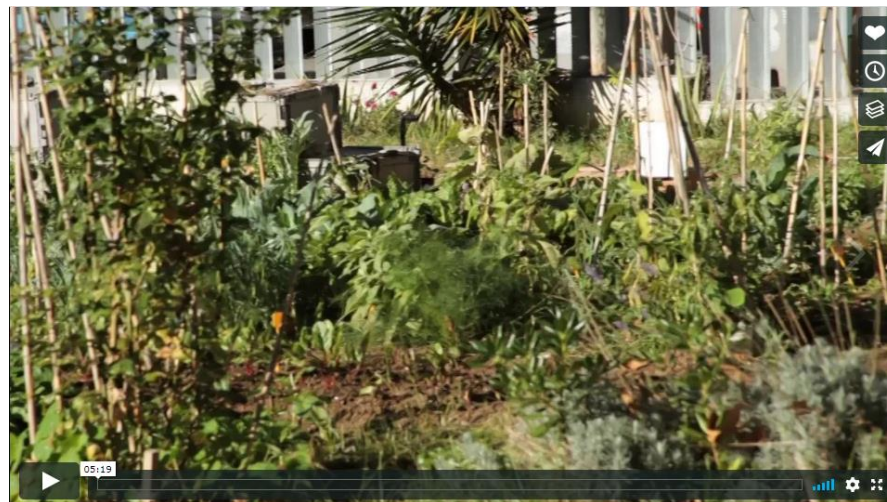
### **17h00 – 18:00 Visit to urban public orchard in Sagrada Família neighbourhood**

*Location:* 199-201 Padilla Street, Barcelona – See Maps Link

Public orchard from the municipal orchards network oriented to elderly (+65) people of the neighbourhood. This project will be guided by Mireia Abril Janer from Urban Ecology department (Barcelona city Council). Further info (ES/EN) in this.



Video with link: (english/Spanish)





## 19h30 - 21h30: Welcome Dinner at Rasoterra Restaurant

Location: Palau, 5, 08002 Barcelona [Google Maps](#)



Further info: <http://www.rasoterra.cat/?lang=en>



## Day 2 – Ecoforum: Transitions towards Nature Cities (International Conference)<sup>1</sup>

*Location: Pati Llimona, 3 Regomir Street, 08002 Barcelona – [see map link](#)*

City Nature eco-forum (NEF) is an international forum to debate and share innovative ideas and experiences on how public health must be related to the naturalization of cities while approaching a sustainable and fair transition towards nature cities.

Green urban infrastructure plays a key role for the liability of European cities. However, in most cities green spaces are not predominant and structurally integrated to urban spaces. Instead, grey infrastructures are still predominant in most European metropolitan areas. Institutions like the EU Strategy for Green Infrastructure or the World Health Organization have extensively promoted the benefits of an extensive green infrastructure policy for inner and outer cities, such as improving public health of inhabitants and resilience of urban and natural systems.

The naturalization of cities is a complex process in which natural, economic, social, cultural and political issues are interlinked. This process contributes to the adaptation of cities to climate change and reinforces ecosystem services, whilst representing an opportunity to encourage new medium of citizen participation, as green space producers and users. However, the naturalization of cities needs to be planned according to the diverse environmental and social conditions of urban areas. A green trajectory could indeed lead to gentrification by increasing of prices and increasing the promotion of these areas by investors and real-state agencies. A poor planned naturalization of urban spaces could jeopardise the resilience of the urban system in terms of water consumption and lead to negative economic, social and environmental impacts. The NEF will discuss, analyse and share good practices and visions striving for sustainable urban naturalization strategies.

The forum is organized by eco-union in partnership with the University of Copenhagen, Good Planet Foundation and Orchies Ingenierie, and the support of Barcelona City Council.

For further information: <http://www.global-ecoforum.org/nature-city-eco-forum/>

---

<sup>1</sup> The City Nature eco-forum is an independent activity included in the PROGRESS program. This is a public and free forum. Everybody that want to attend to this activity can register filling the application form until the places are covered.

### **10:00-10:30 | Welcome**

- Alejandro González, Program Manager at eco-union
- Izaskun Martí, Conservation Director, Green Urban Spaces and Biodiversity, Barcelona Council

### **10:30-11:00 | Keynote: Green Trajectories and Social Equity, by Isabelle Anguelovski, Researcher, ICTA-UAB**

### **11:00-11:30 | Coffee Break at the hall**

### **11:30-13:00 | Plenary Session: Urban Transitions: Public Health and Nature in Cities**

In thinking sustainable urban transitions, the naturalization of cities is a key structural policy to promote climate-resilient cities and healthy living spaces. In this session we will explore and discuss about key principles and criteria to create inclusive green spaces and extend a sustainable naturalization of cities.

- Moderator: Carolyn Daher, ISGLOBAL
- Wilma Zijlema, Researcher, ISGLOBAL
- Hans Keune, Research Institute for Nature and Forest (INBO)
- Laurent Bray, Director of Green Spaces, Environment and Biodiversity – City of Limoges, France

### **13:30-14:30 | Lunch at the Hall (Vegan and Gluten Free Catering)**

### **14:00 | Technical Session I: The Scandinavian Experience on Urban Biodiversity and climate change, moderated by Forest and Landscape College, Department of Geosciences and Natural Resource Management (University of Copenhagen)**

14:00-14:15 | Introduction: Climate Adaption and biodiversity in urban areas in Scandinavia by Susanne Ogstrup.

Introduction to the workshop: Susanne Ogstrup, Landscape Architect, Head of Department and Kirsten Vest, Landscape Architect and assistant professor.

14:15–14:30 | Case study 1: Niels Lützen, Manager, Landscape architect; Examples of different climate adaption projects in Nordic urban areas

14:30–14:45 | Case study 2: Jens Lindgaard: Urban Landscape Engineer; Urban nature, from strategy to realization - Methods to promote biodiversity structures in urban nature

14:45-15:30 | Plenary workshop moderated by Susanne Ogstrup and Kirsten Vest

### **15:30 | Technical Session II: Building Water Resilience systems for naturalization in Mediterranean cities**

If the history of men and civilizations is closely linked to water (agriculture, drinking water, transport, navigation ...) the 19th century hygiene and the apogee of the "all network" have however mutated our relationship with water. Without answering the questions of pollution, resources, costs, etc., it is in the management of the "all network" of water that the limits of this logic are felt and increase the economic, sociological and environmental problems. It is therefore crucial to rethink this management system, unable to respond effectively to the problems posed by increasing urbanization, the intensive development of transport, and intense migratory flows, all in a world in the grip of major climate change.

Local water management is an alternative solution capable of responding to these issues. Its principle is the management of all water-related topics - natural, technical and practical and applies on a coherent geographical scale: individual house, eco-district, commune, watershed. Integrated water management breaks down into a geographical, temporal and functional approach: uses / infrastructures/environment, project - from design to implementation, actors: participative management, project owners, public bodies and users.

Local and integrated water management finally only updates ancestral, rustic and economical techniques, for a logic that tends towards the relocation of this citizen issue and as a solution to the challenges of human development and climate change.

15:30-16:00 | Introduction: Local and integrated water management: William Fettig, Water and Environment Engineer, project director at Orchis Ingénierie

From the whole network, towards a local and alternative management of water in an urban environment: Urban development is by nature a strong pressure on the environment: it destroys natural spaces, disrupts ecosystems and biodiversity. Urban development also concentrates resource needs and waste generation. An inseparable process of dealing with these issues: the water cycle. Indeed, this notion, like that of the food chain is known to all ... and yet ... Cities continue to grow with the same technical solutions as before, the so-called "all-network" management: water is collected, collected, distributed and processed in a homogeneous way. And it is not the separation of rainwater from wastewater that breaks with this logic of centralization and standardization in the management of water. Waters, wastewaters and rainwaters are easy to distinguish, but the water cycle is no longer considered, which must make sense even at the urban agglomeration scale.

16:00-17:00 | Case Studies + Q/A

- Water management solutions as part of the urban space, **Thierry Maytraud**, Hydrologist Urbanist, founder of ATM
- The use of Environmental IoT. Smart watering and reduction of heat islands in cities, **François Hamon**, Co-founder and CEO at GreenCityZen

17:00 | Closing: Recap from all sessions by Moderators

## Day 2 Speakers

### **Dr. Isabelle Anguelovski – Director, Barcelona Laboratory for Urban Environmental Justice and Sustainability (BCNUEJ)**

Isabelle obtained a PhD in Urban Studies and Planning from MIT before returning to Europe in 2011 with a Marie Curie International Incoming Fellowship. Situated at the intersection of urban planning and policy, social inequality and development studies, her research examines the extent to which urban plans and policy decisions contribute to more just, resilient, healthy, and sustainable cities, and how community groups in distressed neighbourhoods contest the existence, creation, or exacerbation of environmental inequities as a result of urban (re)development processes and policies. She is also a Senior Researcher and Principal Investigator at the Environmental Science & Technology Institute (ICTA), Barcelona Autonomous University (UAB) and coordinator of the research group Healthy Cities and Environmental Justice at Institut Hospital del Mar d'Investigacions Mèdiques (IMIM).



### **Carolyn Daher – Coordinator of the Urban Planning, Environment and Health Initiative at the Barcelona Institute for Global Health (ISGlobal)**



Carolyn Daher (MPH) is the coordinator of the Urban Planning, Environment and Health Initiative at the Barcelona Institute for Global Health (ISGlobal) in Spain. She has a Bachelor's Degree in Environmental Studies from Brown University and a Master of Public Health from the Johns Hopkins Bloomberg School of Public. She has implemented research and community health programmes worldwide. Currently, she is particularly interested in using evidence to create healthy living environments.

**Dr Wilma Zijlema – Postdoctoral researcher at ISGlobal –Barcelona Institute for Global Health**

Wilma Zijlema (PhD) is a postdoctoral researcher at the Air Pollution and Urban Environment program of the Barcelona Institute for Global Health (ISGlobal) in Spain. She is an epidemiologist by training and is particularly interested in healthy living environments. Wilma obtained her Master's degree in Health Sciences from the VU University in Amsterdam, the Netherlands. She was awarded her PhD from the Department of Epidemiology at the University Medical Centre Groningen, in the Netherlands. Her doctoral research investigated adverse health effects of traffic-related noise and air pollution. Her current research focuses on the health benefits of green and blue spaces.



**M. Laurent BRAY – Director of Green Spaces, Environment and Biodiversity – City of Limoges, France**



Holder of a doctorate in plant biology and physiology and a diploma of postgraduate management, and after an auditing firm experience, he flew to Djibouti in cooperation, in charge of the management of two projects related to the fight against desertification: one French, the other Italian.

After more than twenty years spent as Head of the Botanical Garden Division. At the Direction of Green Spaces and Environment, City Council of Paris, he joined the city of Limoges in 2017 as Director of Green Spaces, Environment and Biodiversity: "Limoges is a city on a human scale and one of the three greenest in France. It has an interesting natural heritage and a lot has already been done".

Among the ongoing projects: differentiated management projects, the Pollinarium Sentinelle® and the Botanical Garden, he wants to set up a local plant label, by favouring the use of regional plants. He also wants to see Limoges integrate international networks, like ArbNet - only the city of Paris is approved to date. "It's important," he insists, "because it's about thinking of the city like an arboretum, which reinforces its natural elements."



### **Hans Keune – Research Institute for Nature and Forest (INBO)**



Hans Keune (PhD) is a Political Scientist (University of Amsterdam – 1997) with a PhD in Environmental Sciences (University of Antwerp – 2012). He works on critical complexity, inter- and transdisciplinarity, action research, expert elicitation, decision support methods and integrated approaches; environment & health, ecosystem services, biodiversity & health, One Health/EcoHealth; experience both in Belgian projects and EU-projects. He coordinates the Belgian Community of Practice on Biodiversity and Health. At the Faculty of Medicine and Health Sciences of the University of Antwerp - ELIZA (primary and interdisciplinary health care) he holds the Chair 'Care and the Natural environment'. In Belgium he currently coordinates the NAMED-project which investigates the relation between mental health and the built/non-built living environment in Brussels. He coordinated the organisation of the European OneHealth/EcoHealth workshop held on October 6 & 7 2016 in Brussels. He was lead Author on the IPBES Regional Assessment Europe – Central Asia where he coordinated the work in relation to nature – health linkages. He is member of the EKLIPSE Expert Working Group Urban nature – mental health. At the Ecosystem Services Partnership he co-coordinates the working group on Ecosystem services and Public health.

### **Thierry Maytraud - Urban planner - Hydrologist, founder of ATM**



This approach has been practiced for twenty years in the French department of Seine-Saint-Denis (93), at the Water and Sanitation Department (DEA). Thierry Maytraud was able to implement this integrated approach to a multitude of development projects that are now a reference in the field of water in the city. The storage of rainwater no longer generates special equipment but urban spaces supporting other uses. It should be noted that because of his past in community, he apprehends very well the problems that face the communities, he knows the institutions and their actors, in particular those of the Water Agencies and the Police of the water.

This innovative approach led him to have a teaching activity in schools of landscape (Versailles, Blois), architecture (Belleville, Marne Valley) and engineers (ENPC, EIVP), in training organizations continuous (ENACT, INSET) which allowed to spread these new approaches and to train the new practitioners of the development, as much on the contracting authority as on the control of work.

***François Hamon - Co-founder and CEO at GreenCityZen***

About Greencityzen: GreenCityZen is a greentech pioneer in the industrial Internet of things (IoT) for industry and smart city. The HummBox® is a continuous measurement solution for the monitoring of environmental data: from the sensor to the dashboard. Low energy devices, fast deployment and interoperability are strong assets to bring immediate benefits such as reduced costs of field trips, improved process performance and help to enrich service offerings.



**William Fettig - Water & Environmental engineer, project director at Orchis Ingénierie**



Mr. Fettig William is an Engineer in Water and Environment Sciences and Techniques (Polytech 'Montpellier, Ex-ISIM graduate) and has a double degree in Physical Sciences of the Environment and Engineering of the Water for Urban Planning and Sustainable Rural Environment (Graduated from Napier University and ENGEES - National School of Water and Environment Engineering in Strasbourg). Founder of Orchis Engineering, this design office makes it possible to concretize this knowledge and to accompany the Project Owners in the realization of the solutions proposed, adapted to the Mediterranean environment. His expertise focuses on sustainable management of the local water cycle, through an integrated and coherent approach in terms of environmental protection.

## Day 3 – Workshop: Planning for Tree Management in Cities, delivered by CPH University

*Location: Pati Llimona, 3 Regomir Street, 08002 Barcelona – [see map link](#)*

Planning for trees (to increase and conserve) and the ecosystem services that they provide. Workshop delivered by **Oliver Bühler**, professor at the Forest and Landscape College, University of Copenhagen (Denmark).

### Topics

- From grey to green – challenges for urban trees (growth conditions, maintenance, etc.)
- I-Tree – hard core quantification and valuation of tree ecosystem services
- Tree registration, purposes and use
- A million tree in New York
- Barcelona Tree Strategy

**09:30-09:40 | Introduction to the day by Oliver Bühler**

**09:45-10:15 | From Grey to Green – challenges and opportunities by Oliver Bühler**

**10:15-10:45 | Workshop I: Sharing urban tree management experiences by Oliver Bühler (Professor at the Forest and Landscape College, University of Copenhagen (Denmark), Susanne Ogstrup, Alex Hersfeldt and Carsten Lux**

Workshop:

- Identification of key characteristics of a sustainable urban tree. Local differences?
- Identification of primary ecosystem services of urban trees. Local differences? Where is the focus?
- Identification and discussion of general and local challenges for the creation of a sustainable urban forest.
- Status quo?
- Goals?
- Obstacles?

- What is necessary to reach the goals?

### **10:45-11:15 | Coffee Break**

### **11:15-12:00 | Urban Tree Inventories – practical tools for management, planning and communication by Alex Hersfeldt**

### **12:00-13:30 | Workshop II: Discussion of parameters for & design of tree inventories for specific purposes (management, public communication, hazardous trees) by Oliver Bühler, Susanne Ogstrup, Alex Hersfeldt and Carsten Lux**

Discussion and prioritization of parameters for urban tree inventories.

We describe 2-3 different tree inventory purposes, and discuss how to design the most rational and practical tree inventory.

- Scenario 1: Management & care (e.g. irrigation, pruning, etc.)
- Scenario 2: Communication encouraging of public involvement and civic participation
- Scenario 3: Management of hazardous trees

For each scenario: 10 minutes discussion in groups, 5 minutes summary in plenum

### **12:30-13:15 | Barcelona Tree Strategy and Biodiversity by Joan Guitar, Elisenda Lurbes (Barcelona City Council)**

*\*The technical tour with focus on trees will include small exercises and discussions (Tree App, trees stories, etc.)*

- Link: Tress strategic plan: <http://ajuntament.barcelona.cat/ecologiaurbana/sites/default/files/Pla-director-arbrat-barcelona-ENG.pdf>

The urban agenda's new challenges and the increasing complexity of the city make it necessary to review and update the planning instruments and management of the elements making up the city's systems, such as the trees and the green infrastructure, in order to contribute to equitable, healthy development that is good for people. The appropriate planning and management of the city's tree heritage can also contribute to improving their contribution as living entities to the health of the population and the habitability of Barcelona.

This is the reason behind the Master Plan for Barcelona's Trees, the strategic municipal document that defines the vision, objectives, strategic lines and actions for the planning, management and conservation of the city's tree population, both public and private, in accordance with their biogeographical and urban characteristics, in order to guarantee the contribution of those trees to a healthier city for the current population as a whole and for future generations, where the naturalisation and extension of green areas is a key factor for creating living, habitable public areas for people.<sup>2</sup>

### Day 3 Speakers

***Oliver Bühler – Professor at the Forest and Landscape College, University of Copenhagen (Denmark)***



Oliver Bühler is teaching associate professor at the Department of Geosciences and Natural Resource Management, University of Copenhagen. He is particularly interested in the challenging growth conditions of urban trees.

During his career, Oliver Bühler has participated in and/or coordinated several research projects focusing on urban vegetation, e.g. investigating the water balance of urban trees and various street tree establishment and management techniques. In addition, he contributed to projects addressing e.g. plant quality of nursery stock and urban heat island generation in the city of Copenhagen.

Before graduating as a PhD at the University of Copenhagen, Oliver Bühler has concluded studies as MSc (Horticulture). He has a degree of Dipl.Ing. Horticulture (FH) and a background as professional nursery gardener.

---

<sup>2</sup> Barcelona City Council (2017). *Trees for Life: Master Plan for Barcelona's Trees 2017 – 2037*. Link: <http://ajuntament.barcelona.cat/ecologiaurbana/sites/default/files/Pla-director-arbrat-barcelona-ENG.pdf>

**Susanne Ogstrup - Head of education at the Forest College and Head of project on the Erasmus+ Progress program, University of Copenhagen**



2010 – present: Danmarks Naturfredningsforening

2001 – 2009: Københavns Kommune/FSB - Kvarterløft "Femkanten" i København NV

1998 – 2000: Danmarks Naturfredningsforening

1996 –1997: Den kgl. Veterinær- og Landbohøjskole

1994 – 1995: Education

2008: Systemathic leader

1994: Landscape architect, cand. hort. arch. from Landbohøjskolen.

**Alex Holst Hersfeldt – Student of Urban Landscape Engineer, University of Copenhagen**



**Kirsten Vest –Landscape Architect, University of Copenhagen**



Landscape architect 1999

Master in professional communication 2017

More than 17 years of experience from different governmental departments



### **Elisenda Lurbes Soriano –Agricultural Engineering, Barcelona City Council**



Born in Barcelona, she graduated in Agricultural Engineering (2005) from ESAB Barcelona, UPC and completed her Master's degree in Landscape Architecture (2013) at the ETSAB Barcelona, UPC. She has worked for more than twelve years in different areas of landscape architecture projects such as technical design, execution processes and management. She has been part of a landscape office team, participating in all stages of the projects, coordinating the direction and execution of parks and green infrastructure projects. She has collaborated with different architecture studios acting as an advisor in landscape design.

She has worked on different companies on the management of green areas like City Council Villages near Barcelona or the green Areas of the Airport of Barcelona. From 2017 she has been working for the City Council as a Technician in the Tree Area.

### **Joan Guitart Comellas**

Born in Berga (Barcelona), he graduated in Agricultural Engineering (2002) from the University of Lleida UdL, he attended the Postgraduate courses in Management of Green Areas UPC and a technician in Prevention of Occupational Hazards. He has worked in the public administration at the City Council of Berga and others, and for 10 years in the Parks and Gardens of the City Council of Barcelona, being the head of the Management Area of Trees since 2016. He has collaborated in several organizations such as the College of Agricultural Engineers of Catalonia writing some Technological Standards of trees, or the Association of Professionals of Green spaces of Catalonia, which is part of the board since 2012.

## **Day 4 – Workshop: Nature-based solutions for playground, delivered by GoodPlanet Belgium**

*Location: Palau Alòs, Carrer de Sant Pere Més Baix, 55, 08003 Barcelona –[See Map Link](#)*

Planning for playgrounds in cities where wellbeing and nature experience are at the core. A practical workshop working on planning strategies, where participants are challenged to introduce nature experience and sustainable nature solutions when planning for new or renovated playgrounds in public park and spaces.

### **10:00-10:10 | Introduction to the workshop by Anna Leonard, Good Planet Belgium)**

**10:10-10:30 | Presentation: Guidelines to creating green playspaces (Anna L. + D. Willems): This will be our general vision on creating playspaces, with a focus on greening**

### **10:30-10:45 | Q/A**

Question on risks and how you can deal with this. When is a risky playing element regarded as safe and when is it not?

### **10:45-11:20 | Presentation of Barcelona Strategy for a Playful City**

Session delivered by Barcelona Urban Ecology Department: Montse R. Matas and Gabino José Carballo.

- Key elements of Barcelona Strategy for a Playful City
- Integrating green spaces in playgrounds

### **11:20-11:40 | Q/A**

- Priorities to integrate green spaces in playgrounds
- Maintenance issues

### **11:40-11:55 | Coffee Break**

### **11:55-13:00 | Case Study: Plaça Sant Miquel (Gothic Quartier, Barcelona)**

The long-standing demand to pedestrianize Plaça de Sant Miquel is to become a reality. The square, just off Plaça de Sant Jaume, will be closed to cars and get more greenery and a larger play area.



For further information: [https://www.barcelona.cat/infobarcelona/en/a-car-free-placa-de-sant-miquel-for-local-residents\\_670068.html](https://www.barcelona.cat/infobarcelona/en/a-car-free-placa-de-sant-miquel-for-local-residents_670068.html)

**11h55-12h15 Introduction to Case Study: Gabino José Carballo**

**12h15-12h35 Excursion to Plaça Sant Miquel in groups**

12h35-13h00 discussing on location and information gathering by groups

13h30-14h30 Lunch break

15h00 - 17h00 Working groups: integration green space in the Plaça Sant Miquel Plyaground

16h00-17h00 Short presentations of posters (6 x 10 min)

17h00-17h15 Collective reflection

#### Day 4 Presenters

**Montse Rivero – Technical Coordinator of Environment and Urban Services Management, Manager Deputy, Parks and Gardens, I.M.**



Graduated in prehistory, ancient history and archaeology and specialist in gardening, since 1990 I work in Barcelona City Council, in the Municipal Institute of Parks and Gardens where I have had various positions linked with communication, historical heritage and green strategy definition. I am currently Deputy Manager in the Institute and territorial coordinator of the Deputy Management of the Environment and Urban Services of the Department of Ecology, Urbanism and Mobility. I am the responsible of parks and gardens in the project “Ciutat Jugable” (‘Playing Cities’).

**Gabino Carballo – Management Support of Conservation and Biodiversity. Environment and Urban Services –Urban Ecology, Barcelona City Council**



Graduated in Landscape by UCJC in Madrid, Master in Landscape Design by University of Sheffield and in Project Management by Ramón Llull University – BES La Salle of Barcelona. Since 2005 I work at Barcelona City Council, Municipal Institute of Parks and Gardens and I have had various positions related to design and management of projects for green spaces. I am currently giving management support of Conservation and Biodiversity, developing various projects of change linked to the management of green spaces in Barcelona.

**Anna Leonard – Project Manager for GoodPlanet Belgium**

Since 2014 working as a project manager for GoodPlanet Belgium. GoodPlanet is the Belgian partner for the PROGRESS project. We organized the third event in April on adventurous green playgrounds.

Before I was employed at the Cultural Department of the City of Antwerp. I have a Master Degree at Communication Sciences at the University of Antwerp. At GoodPlanet Belgium I am working on different projects about green playgrounds and nature experience: coaching schools and afterschool initiatives in greening their playgrounds, creating and planning of intergenerational gardens, nature experience activities for children, training of animators and teachers on nature experience. With our projects our primary focus is the wellbeing of children, elderly and other users of these urban spaces. Next to my work on green playgrounds and nature experience, I am the project manager of a series of workshops on climate and water issues for primary schools in the north region of Antwerp.

## Day 5 – Recap Day and Networking

Location: Pati Llimona, 3 Regomir Street, 08002 Barcelona – [see map link](#)

Last day is oriented to share a collective reflection about the week and make a networking session to explore future relationships among participants.

**09:30-10:30 | Conclusions from the week by participants (collective evaluation).**

**11:00-11:30 | Coffee Break**

**11:30-12:30 | Networking session**

**12:30 | Group Picture**

**13:00 | Lunch**



## VENUES

### **PATI LLIMONA** Ciutat Vella District

*Location: Pati Llimona, 3 Regomir Street, 08002 Barcelona – [see map link](#)*

**Monday 22th, Tuesday 23th, Wednesday 24<sup>th</sup> and Friday 26th**



### **Palau Alòs** Ciutat Vella District

**Carrer de Sant Pere Més Baix, 55, 08003 Barcelona – [See Map Link](#)**

**Thursday 25<sup>th</sup>**





## COMMUNICATION: BE PART OF THE GROUP!!

PROGRESS project is an interchange programme to engage urban green space management practitioners from European cities. To enhance networking during and after the events we create some channels to give the opportunity to participants and teachers to be connected. During the Barcelona event a Whatsapp group has been opened to network since your arrival and so on.

### Facebook Group: PROGRESS

To share your ideas, projects and relevant news on urban green space management.

<https://www.facebook.com/groups/progressproject/>

### Twitter

PROGRESS: [https://twitter.com/Progress\\_Projet](https://twitter.com/Progress_Projet)

Global Eco Forum: [https://twitter.com/global\\_ecoforum](https://twitter.com/global_ecoforum)

### Website

<https://www.progress-project.eu/>

### Whatsapp

Use this application to connect with other participants at your arrival and during your stay and connect with organizers easily for any enquiry related the agenda and logistics. Ask to your reference PROGRESS organization to be added to the whatsapp group.

