



Professional training program on urban green spaces management



Handbook – Copenhagen works

Sustainable maintenance of urban areas 20th – 24th of August

UN's global goals for sustainable development also focus on urban green areas, including how they are managed and maintained. More and more administrations are actively working with sustainability issues. But what is sustainable maintenance of urban green areas, and how can sustainability be assessed from a biological, economic and social perspective? This is what we are trying to focus on during the 5-day workshop



Course objectives and approach

UN's global goals for sustainable development also focus on urban green areas, including how they are managed and maintained. More and more administrations are actively working with sustainability issues. But what is sustainable maintenance of urban green areas, and how can sustainability be assessed from an environmental, economic and social perspective? This will be the focus of the workshop

Training approach

Critical:	Exploring theory and approaches via interdisciplinary trainers and a one day conference
Practice-oriented:	Using diagnosis techniques and design solutions
Strong global-local vision:	Exposure to relevant and diverse case studies & deeper insight into a particular urban reality (Copenhagen/Denmark)
Place-making focus:	Field case study
Solutions focus:	Engaging in working group sessions for multidisciplinary solution building

Course Organizer: Forest and Landscape College, University of Copenhagen

The Forest and Landscape College is part of the Department of Geosciences and Natural Resource Management at the University of Copenhagen. The University of Copenhagen was founded in 1479 by the Danish king Christian 1, and today has approx. 39,000 students and 9,000 employees – of whom some 5,000 are researchers.

Forest and Landscape College offers educational programmes, courses, counselling and development within the field of parks, forest and nature. One of the programmes is the Urban Landscape Engineer programme, where the students focus on development of green urban spaces, urban forestry, climate adaptation, urban farming and urban nature.

Moreover we work with development and counselling within nature resource management, including forest management, landscape management, climate adaptation, planning, outdoor recreation, nature counselling, conflict management, and wildlife management. At The Forest and Landscape College, we stride to make connections between the theoretical knowledge and the practical solutions. Unlike most theoretical bachelor degrees, we assure that the student have the abilities to use their knowledge in practice when they depart from the University and transits into their professional carrier.

This ability makes our student much sought after in the private and public sector, as they are able to earn their salary the first day. As such, we as teachers work in the space between theory and practices and continuously work towards updating and renewing our teaching material. This foundation of knowledge form the base of this week's workshop as we dig into real cases and talk to some of the many professionals associated with the University of Copenhagen.

Read more about the Forest and Landscape College:

<https://ign.ku.dk/english/about/organisation/sections/forest-landscape-college/>

Read more about the Urban Landscape Engineer programme:

https://ign.ku.dk/english/study_programmes/urban-landscape-engineer/

Skovskolen

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-  CYKELPARKERING
-  BUS



Contact persons during the workshop:

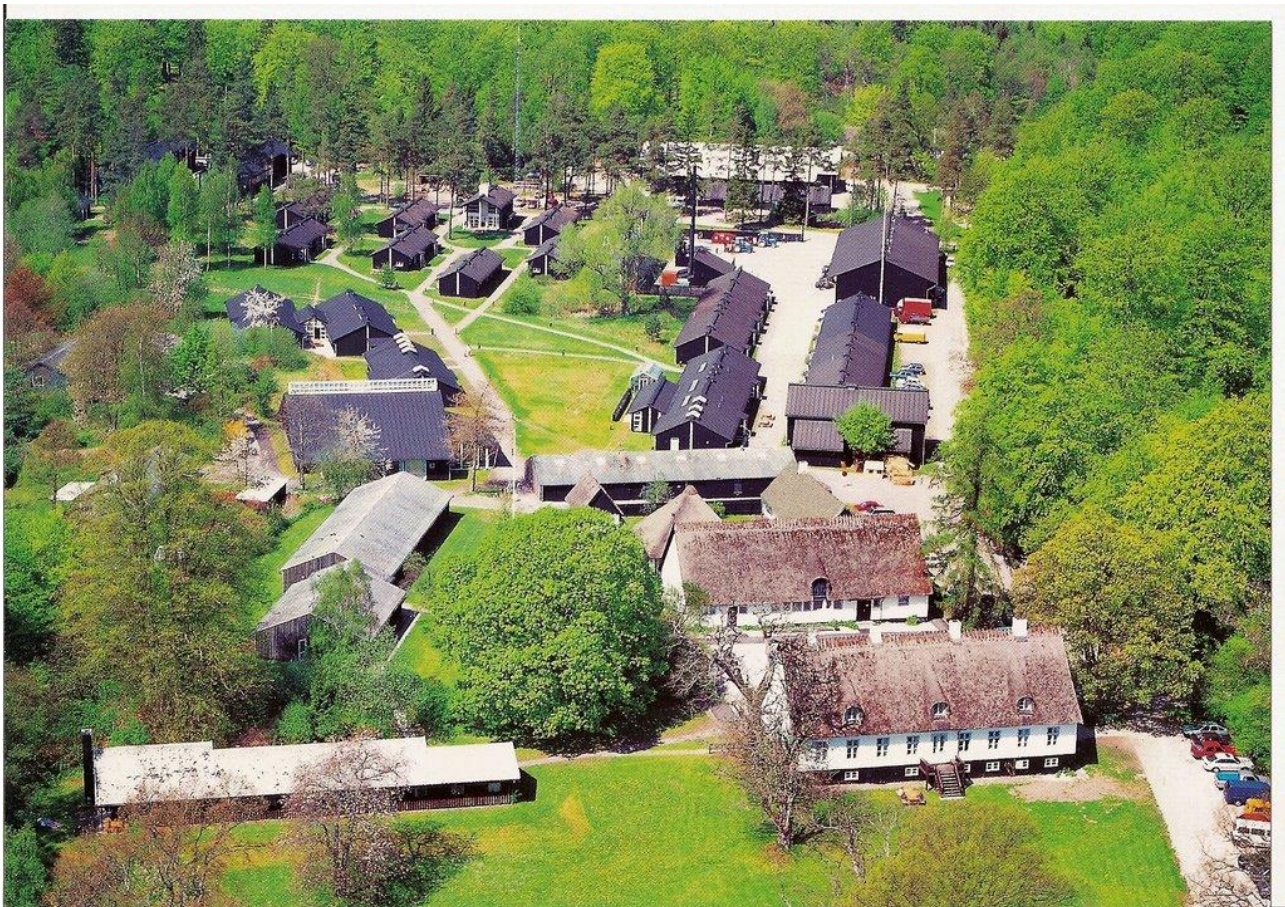
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Susanne Ogstrup, + 45 30 50 51 83, sog@ign.ku.dk

Program overview

	Monday	Tuesday	Wednesday	Thursday	Friday
Before lunch	Welcome Get to know each other Lecture	Conference: Sustainable maintenance of urban areas	Presentation from EU participant Rudersdal municipality Their work with sustainability	Presentations from EU participants Group work	Group work Presentation and discussion of group work
Lunch					
Afternoon	Technical tour: Amager		Policy in Rudersdal municipality Intro to group work Inspection of case areas	Group work Technical tour	Discussion of group work Evaluation of workshop Goodbye
Evening	Bonfire dinner	Tapas dinner	On your own	Social dinner	



Monday 20/8 - Workshop: Skovskolen, Nødebovej 77a, 3480 Fredensborg

TIME	PLACE	ACTIVITY	RESPONSIBLE
8.30-9.00	SPISEHUSET	Meeting place. Say hello to each other and payment of catering. (Place – Spisehuset)	CARSTEN LUXHØJ
9.00-9.15	QUERCUS HUSET 32.1	Intro to workshop and program (Place – Quercus house for the rest of the day)	Susanne Ogstrup and Anne Mette Dahl Jensen
9.15–10.30		Get to know each other - exercise	SUSANNE OGSTRUP
10.30–11.15		Lecture – Sustainability, Ecosystem Services, Nature-based Solutions	Professor Thomas Randrup, Sweden’s Agricultural University
11.15-11.30	SPISEHUSET	Coffee break	
11.30–12.00	QUERCUS HUSET 32.1	Lectures – How do we define Sustainable Maintenance? Professor	Thomas Randrup, Sweden’s Agricultural University
12.00–12.30		Discussion	Thomas Randrup, Sweden’s Agricultural University
12.30-13.15	SPISEHUSET	Lunch (Spisehuset)	
13.15-13.30	QUERCUS HUSET 32.1	Introduction to the conference on Tuesday	Susanne Ogstrup and Anne Mette Dahl Jensen
13.30– 18.00		Technical visit Amager (Copenhagen) We go with mini-busses to three places in Amager: 14.30 New urban forest at Selinevej in Copenhagen v/Anna Gerd Skaaning Ellerbæk, project leader, municipality of Copenhagen 16-16.15 Walk across Amager Fælled looking for maintenance activities, v/Christine Nuppenau (parking possible at Artillerivej) 16.15 Citizen involvement in protecting urban nature v/Steffen Rasmussen, spokesperson, Amager Fælleds venner 17.15 Motorway roof park at Tårnby. Struggles and possibilities v/ Urban landscape Engineer student Nicky Rosenkrans Jensen	Christine Nuppenau/Susanne Ogstrup
18.00		Outdoor dinner – we cook bonfire dinner together – social event – Friluftshuset, Naturcenter Amager	SUSANNE OGSTRUP

Links

<https://www.slu.se/en/cv/thomas-b.-randrup/>

<https://naturstyrelsen.dk/naturoplevelser/naturskoler/hovedstaden/naturcenter-amager/>

Conference: Tuesday 21/8

The workshop participants are equally participating in the conference together with the Danish conference guests. PLACE: AUDITORIET, Skovskolen, Nødebovej 77a, 3480 Fredensborg. Program for the conference:

UNIVERSITY OF COPENHAGEN
INSTITUTE OF GEOSCIENCE AND
NATURAL RESOURCE MANAGEMENT



Sustainable Maintenance of Urban Areas

Tuesday 21st August 2018 at Forest and Landscape College in Nødebo, Nødebovej 77A, Fredensborg

UN's global goals for sustainable development also focus on urban green areas, including how they are managed and maintained. More and more administrations are actively working with sustainability issues.

But what is sustainable maintenance of urban green areas, and how can sustainability be assessed from a biological, economic and social perspective? This is what we are trying to focus on. The seminar is part of an EU-Erasmus workshop and it will be in English.

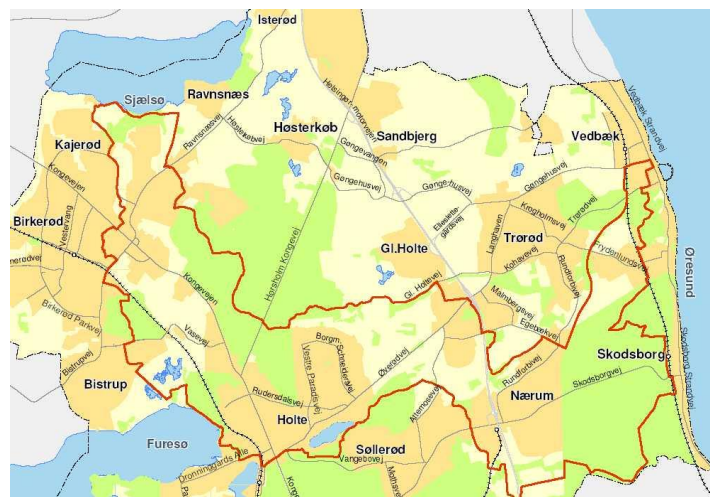


PROGRAM

- 08.30 Coffee and croissants**
- 09.00 Welcome**
Susanne Ogstrup, Head of studies and Anne Mette Dahl Jensen, Senior advisor, Forest and Landscape College, UCPH
- 09.10 Sustainability and UN sustainability goals**
Thomas Færgemand, Principal at Forest and Landscape College, UCPH
- 09.45 Economic sustainability: How is it defined and calculated**
Peder Andersen, Professor Emeritus, Department of Food and Resource Economics, UCPH
- 10.20 Social dimensions of sustainable operation of green urban spaces**
Maj-Britt Quitzau, Associate professor, Department of Planning, AAU
- 10.40 Questions**
- 10.55 Coffee break**
- 11.15 Monitoring of biodiversity in Stockholm**
Gunilla Hjort, Ecologist, Municipality of Stockholm
- 11.45 How do we implement Urban nature in Copenhagen and how does it affect the maintenance?**
Christine Nuppenau, Head of Unit, Municipality of Copenhagen
- 12.15 Questions**
- 12.30 Lunch**
- 13.20 Economy calculations of sustainable park maintenance in Rudersdal municipality**
Jens Galby, Head of management, Rudersdal Municipality
- 13.40 The CO2 balance for golf clubs – Roskilde Golf Club as an exemplary case story**
Lars Carlsen, Awareness Coach and Roskilde Golf Club
- 14.00 CO2 stored in biomass and residues under different maintenance forms – example from private gardens**
Per Gundersen, Professor, Forest, Nature and Biomass, UCPH
- 14.15 The Danish Environmental protection Agency's thematic group for sustainable procurement and maintenance**
Rasmus Nielsen, Consultant at NIRAS, Head of Secretariat, Secretariat for Green Procurement
- 14.30 Sustainability requirements for urban green areas – Learning from The Wild Campus project**
Lotte N. B. Jensen, Communications Officer and Project Manager, Natural History Museum DK
- 14.50 Questions**
- 15.05 Coffee**
- 15.25 A proposal for a sustainable perennial planting**
Anders Dam, Associate professor, Forest and Landscape College, UCPH
- 15.40 The sustainable urban tree**
Oliver Bühler, Associate professor, Forest and Landscape College, UCPH
- 15.55 Sustainable grass**
Anne Mette Dahl Jensen, Senior advisor, Forest and Landscape College, UCPH
- 16.10 GIS and sustainability**
Klaus Agerskov, Lecturer and GIS technician, Forest and Landscape College, UCPH
- 16.25 Discussion**
- 16.45 The End**
- 17.30 Summer tapas – extra payment and registration if you want to participate**

Wednesday 22/8 – Workshop – case study - in Birkerød

TIME	PLACE	ACTIVITY	RESPONSIBLE
8.15 – 9.00	Pick up at Skovskolen, in Hillerød and in Fredensborg	Transport	
9.00 – 9.15	MUNICIPALITY OF RUDERSDAL, Bistrupvej 1, 3460 Birkerød	Maintenance in Denmark	Anne Mette
9.15 – 9.40		Marti led the first technical visit in Barcelona. They have a co-management agreement with the city council for green maintenance and citizen participation. He explain how to implement collaborative approach with citizens in green space design and maintenance using their experience in Barcelona	Marti Ardanaz, Espai Germanetes
9.40 – 10.05		Discussion of conference	
10.05-10.25		Coffee – sponsored by the Rudersdal municipality	
10.25-11.10	MUNICIPALITY OF RUDERSDAL, Bistrupvej 1, 3460 Birkerød	Sustainable maintenance in Rudersdal municipality	Peter Bjørnø and Jens Galby from Rudersdal municipality
11.10 – 12.00		Intro, group work and case areas – time for reading the group assignment	
12.00 – 13.00		Lunch – sponsored by Rudersdal municipality	
13.00 - 13.30	MUNICIPALITY OF RUDERSDAL, Bistrupvej 1, 3460 Birkerød	Sustainable policies in Rudersdal – from the political point of view	Technical manager of Rudersdal municipality – Court Møller
13.30 – 15.30		Inspection of case areas	
15.30		Evening on your own Transport or on your own or picked up in bus and return to Hillerød and Skovskolen	



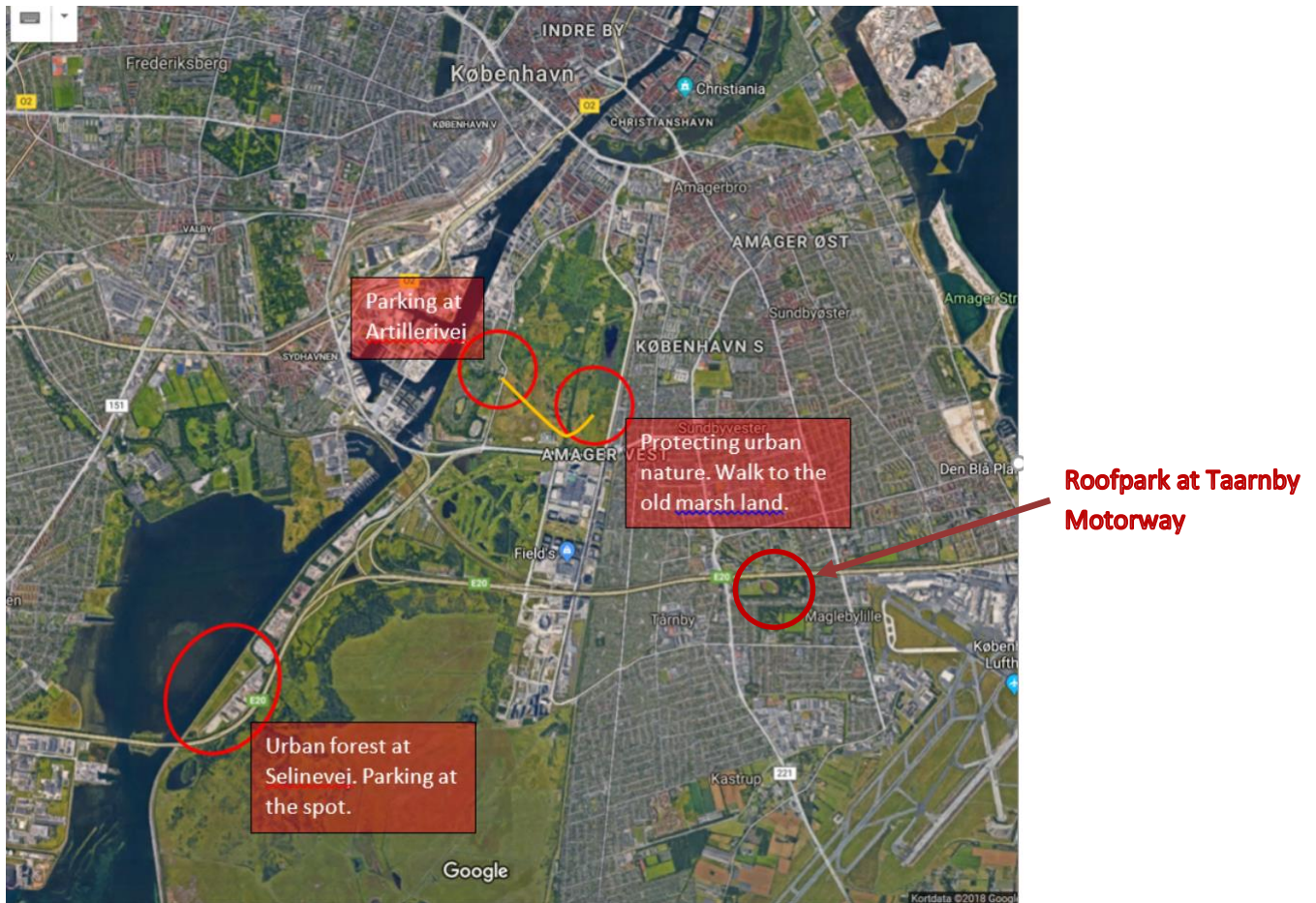
Thursday 23/8 - Workshop – group work Skovskolen

TIME	PLACE	ACTIVITY	RESPONSIBLE
9.00 – 9.15	SKOVSKOLEN, QUERCUS- HUSET	Introduction to the day (Place – Quercus house)	
9.15 – 9.50		Biodiversity Plan from Barcelona.	Mireia Abril Janer - Management of Green Spaces and Biodiversity Environment and Urban Services - Urban Ecology. City Hall of Barcelona.
9.50-10.15		Christian is responsible for the park Management in Antwerp, leading a team of experts on park- and tree management. Antwerp has 52 larger parks and 85 small pocket parks. They have built up a lot of experience in management and systematic planning to keep the parks in shape. He will talk about that.	Christian Ysenbaardt, Department manager, City of Antwerp
10.15 – 10.35	SPISEHUSET	Coffee break	
10.35-12.00		Group work	
12.00 – 13.00	KÅTEN	Lunch bags at the “kåten”- tent with bonfire	
13.00 – 15.30		Group work	
15.30 – 18.30		Technical tour – Inner Nordhavn	

Friday 24/8 – Group work presentation

TIME	PLACE	ACTIVITY	RESPONSIBLE
9.00 – 9.15	SKOVSKOLEN, Quercus Huset, 32.1	Introduction	
9.15 – 9.45		Final preparations of presentations	
9.45 – 9.10	SPISEHUSET	Coffee break	
9.10–10.10	SKOVSKOLEN, Quercus Huset, 32.1	Poster session - proposals for sustainable measures – each group - each group has a stand and then you go around in turns and looks at the others' proposals	
10.10 – 12.00		Discussion and solutions related to ecosystem services, biodiversity index and lifecycle analyses	
12.00-13.00	SPISEHUSET	Lunch	
13.00-13.45	SKOVSKOLEN, Quercus Huset, 32.1	Discussion continued and conclusions	
13.45-14.15		Evaluation of workshop and good bye	

Technical tour to Amager Monday 20/8



New urban forest at Selinevej

The new urban forest is developed in close cooperation with the Copenhageners and leading experts. The forest will be around 14 hectares and it will be an exciting recreational destination with both wild-grown areas and the possibility of picking berries and fruits. So far, 25.000 trees have been planted on the first 5.5 hectares of the forest.

From the initial dialogue it is has become clear that the citizens of Copenhagen want a forest that is different from existing city parks. Moreover, they want to have the opportunity to pick berries, nuts and fruits. Therefore, the new city forest will consist of four main areas – low forest, food forest, open forest and urban forest. The forest will contain at least 95% Danish species in a variety of more than 30 different trees and shrubs, as it supports local species of insects and animals. However, tree species expected in Denmark due to future climate change will also be included. The use of these species will provide experience with the well-being and growth of such species in Denmark.

Maintenance activities at Amager Fælled

Heads up for lecture on Tuesday. We will see areas with invasive species due to maintenance in the coming weeks as well as grazing folds managed by a guild of citizens.

Citizen involvement in protecting urban nature – the battle of Amager Fælled

A large number of people have gathered in the Facebook-group 'Amager Fælleds Venner' (friends of Amager Fælled) protesting against building plans in the vulnerable nature area. The building plans originate from the development of Ørestad city district, and laid out the building site 25 years ago. However, the primary building site is part of the ancient marshland and the plans are now unpopular.

Invasive species and maintenance:

Copenhagen municipality is struggling with invasive species. The maintenance in this area includes a social aspect

Forest plantation on waste soil:

Urban forests have a wide range of functions depending on their location within the city but also on their climate region. In Denmark, some urban forests are the result of landfill ameliorations intended to provide recreational values for an extent of population. This study approaches a new green space development in a prior landfill used for inorganic waste from construction sites in Copenhagen



Map showing Naturcenter Amager where we have bonfire dinner.

Technical tour to Nordhavnen Thursday 23/8

Nordhavnen: The future of sustainable urban living

Nordhavnen, a new urban district in Copenhagen, will set the standard for environmental, social and sustainable development. On a local scale, a sustainable urban district will be created that blends seamlessly with its surroundings. On a global scale, Nordhavnen will put Copenhagen on the world map as an international role model

A small introduction to Nordhavnen can be found on these links

<http://www.nordhavnen.dk/english.aspx>

<http://www.nordhavnen.dk/english/uk-nh-transformation2/uk-nh-nordhavnen.aspx>

<http://www.nordhavnen.dk/english/uk-nh-vision/uk-strukturen.aspx>

<http://www.byoghavn.dk/english/development/districts-uk/district-nordhavnen-uk.aspx>

<https://tellingnesager.com/nordhavnen-a-district-of-grand-visions/>

Catering

4 lunch and coffee (Monday, Tuesday, Thursday, Friday) – 70 Euro

Monday - Bonfire dinner – prep together to get to know each other: 25 Euro

Tuesday - Summer tapas Tuesday 25 Euro

Wednesday catering (lunch and coffee) paid by Rudersdal municipality

Thursday – social dinner – you pay yourself at the restaurant

– Please indicate if you are a vegetarian – write amdj@ign.ku.dk

Payment upon arrival by credit card – you will get a receipt for your payment

Practical information:

It can rain in Denmark so please bring raincoat and suitable walking shoes (dress for rain)

Bring your computer if possible

If you stay at Skovskolen and arrive on Sunday, please buy your dinner in Hillerød, Copenhagen or airport because there are no possibilities at Skovskolen. There is a grocery in the city (not open on Sundays) but you cannot prepare food where your room is. Otherwise take the bus to Hillerød where several dining possibilities exist.

Accommodation possibilities

Hotel Hillerød – price per room 128 Euro per day – it includes breakfast

<https://hotelhillerod.dk/>

Skovskolen – price per room 68 Euro per day – it includes breakfast from 7.30 – 8.30

<https://skovskolen.ku.dk/kontakt/>

For you living at Skovskolen the only catering option for dinner is at Skovskolen or

Transportation

University of Copenhagen – Skovskolen (Forest and Landscape College)

Skovskolen forms the framework for a number of green education and continuing education focusing on forests, parks and nature. You can also update your academic knowledge with courses and theme days. Or

arrange your company's next meeting, team building or conference in the beautiful surroundings of Skovskolen

Skovskolen is part of the Department of Geoscience and Naturalization at the Faculty of Natural Sciences at the University of Copenhagen.

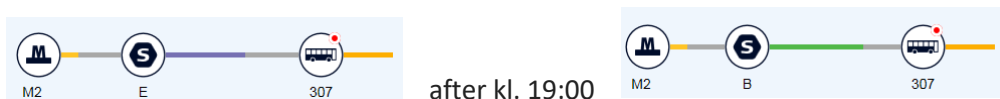
How to get there?

The public transport infrastructure of Copenhagen is among the most efficient and reliable in the world, and it is still being developed and improved. Public transport will get you anywhere you wish to go in the capital region. Before you leave the airport or central station, you have to raise cash in a shop or in an ATM for the bus ticket.

From the airport

In Copenhagen it only takes less than 15 minutes to go from Copenhagen Airport to the city centre by train or metro. Both metro and train run from terminal 3, it's also there you buy a ticket. To find the right route check www.rejseplanen.dk.

Metro



If you take the Metro, you have to get M2 and jump off at Nørreport, there you change to the S train line E (after kl. 19:00 it change to line B) and change to bus 307 at Hillerød st. to Nødebo Skovskole. See at plan 1 where you buy ticket in the airport. You may choose Hillerød st. as end station. Price 100 Dkr. You buy ticket for Nødebo Skovskole at the bus. Bus 307 departs only once per hour. Price 24 Dkr. (Plan 2)(Plan 3)

Train

If you take the train, you have to get Re train, Helsingør st. and jump off at Nørreport, there you change to the S train line E (after kl. 19:00 it change to line B) and change to bus number 307 at Hillerød st. to Nødebo Skovskole. See at plan 1 where you buy ticket in the airport. You may choose Hillerød st. as end station. Price 100 Dkr. You buy ticket for Nødebo Skovskole at the bus. Bus 307 departs only once per hour. Price 24 Dkr. (Plan 2)(Plan 3)

From Copenhagen Central station

You have to take the S train. S train E goes from track number 9-10 to Hillerød every 10 minutes, there you have to change to bus number 307 to Nødebo Skovskole. You have to buy a ticket to Hillerød st., in the ticket office or one of the red ticket automats close to every entrance. You buy ticket for Nødebo Skovskole at the bus. Bus 307 departs only once per hour. Price 24 Dkr. (Plan 2)(Plan 3)

From Hillerød Hotel to Skovskolen

Three options, you can walk to the station, or a bus.

If you walk it takes around 15 minutes (1,2 km) see the route at plan 4.

If you take the bus, you have to walk 200 meters and from here take bus number 305 to the station and change to bus 307 to Nødebo Skovskole. Bus 305 departs every minutes. (Plan 5) You buy ticket to Nødebo Skovskole at bus 305. Price 24 Dkr. (Plan 2)(Plan 3)

Lecturer: Thomas B. Randrup

Thomas is professor in Urban Open Space Management at the Department of Landscape Architecture, Planning and Management, as well as leading the department's Landscape Governance and Management theme group. Also, Thomas holds a full professorship in Urban and Peri-urban Green Space Management at the University of Life Sciences, in Norway.

Presentation

I have a special interest in the overall planning and management of urban open spaces, including green space strategies and policies, functions of and uses of green space, as well as the actual organization of maintenance related to urban open spaces.

With a background as Landscape Architect, I 'originate' to a large extent from the social sciences and the humanism. However, in my research I have spent a number of years focusing on more technical issues which have been based in natural sciences. This indicates that I have tried to develop my scientific expertise within the interface of different scientific worlds, approaches and professional backgrounds. I have profound experience in participating in both qualitative and quantitative research. My personal strongest research knowledge lies within the qualitative methodologies.

In general, my research is cross-disciplinary. I strongly believe that innovation is optimised if it is developed in-between the existing scientific regimes. There is a clear line in my previous research: From the more technical research in my early years, until today where I am dedicated to green space governance and management. I have always cooperated closely with colleagues, and very often with colleagues originating and contributing with a different expertise than my own. This goes with soil physics, soil chemists, economists, storm water engineers, social scientists and public administration experts. My role has then been to initiate, coordinate and steer the research projects, in respect for the various experts, their methodologies and research approaches. By doing so, I have published with many different experts in many different scientific journals.

Research

During my career, I have studied and promoted the role of urban green spaces, and especially the role of urban trees. I have a special interest in the concepts of urban forestry and urban greening, applications of nature-based solutions, strategic (urban) green space management, and the combination of planning and maintenance issues.

Green spaces play a crucial role in supporting urban ecological and social systems, a fact recognized in public policy commitments in most parts of the world. The amount of provision, the distribution of green space and the ease of access to such spaces are key contributors to social and ecological functions in urban environments. However, the public economy, especially in the Western world is under pressure. This has among other things to do with a dramatic shift in the demographics which results in fewer individuals to finance the majority of the population in only a couple of decades to come. The pressure on public finances leads to political discussions of how the public sector can or should keep its current service level. In addition, which services should be central for the public sector in the future are debated. Because many (most) green spaces are public, this discussion becomes crucial when focusing on urban open space management.

Green spaces are under pressure, and are often hidden behind a maintenance regime. The term 'management' is in my definition a combination of Planning and Maintenance, we denote as 'Strategic Management'. As such, strategic management is far more than 'mowing the lawn', but also raising the question of 'why we are mowing the lawns'. In strategic management, policy making, tactical provision and operational activities are all included and equally considered.

Background

Thomas has a M.Sc. in Landscape Architecture from the University of Copenhagen, Denmark (1990), and a PhD in Landscape Planning also from the University of Copenhagen (1996). He has worked for the Danish Forest and Landscape Research Institute as researcher, senior consultant and senior researcher (1996 – 2003), and as professor in Urban Greening & Park Management (2003 – 2008). In late 2008 he left academia to become Head of Department and later Business Unit Director at NIRAS Consultants (2008 – 2011), after which he became Business Developer for HedeDanmark, the largest landscaping company in Scandinavia (2001 – 2015). During 2014 he became interim CEO at a Swedish landscaping company (Våla Mark & Trädgård) recently acquired by HedeDanmark. In February 2015, Thomas went back to academia to further his career as a researcher in green space planning and management at the Swedish University of Agricultural Sciences (SLU). In January 2016, Thomas was appointed as full professor in Urban Green Space Management at the Norwegian University of Life Sciences Department of Landscape Architecture and Spatial Planning in a 15% position.

Thomas was appointed Honorary Professor at University of Copenhagen in 2009 for a period of 5 years. This position was extended in 2014 until 2019. In 2013- 2015 he was acting as Professor at SLU in a 20% position, and became a full professor at SLU in Urban Open Space Management in June 2016.

Thomas was co-founder (with Cecil Konijnendijk) of the scientific journal Urban Forestry and Urban Greening, published by Elsevier since 2002. During his career, Thomas has produced over 300 publications, including peer-reviewed articles and book chapters, edited proceedings and books, scientific and professional articles, and conference papers. He serves as associate editor for three journals, and reviewer for a number of peer-reviewed publications related to green space planning and management.

Thomas has been involved in a range of international networking and project activities. He initiated and coordinated the COST Action on Urban Forests & Trees (funded by the European Union), and participated in the twinning cooperation for sustainable forestry between Denmark and Malaysia. He has advised the Food and Agriculture Organization of the United Nations on urban and peri-urban forestry issues, and has served as project evaluator in e.g. USA, UK, Singapore and Hong Kong.

Thomas has served on a number of boards, including the Danish Association of Landscape Architects (1997-1999), International Society of Arboriculture (2000-2005), Danish Tree Care Association (Chairman 1998 – 2001), Danish Garden Cultural Foundation (Chairman 2005 – 2010), Danish Landscape Constructors Organisation (2012 – 2014), and Nordic Fund for Urban Trees (since 1998, Chairman since 2010).

Selected - Recent publications

Chan, C-S., M.M. Marafa, C. Konijnendijk van den Bosch & T.B. Randrup (2018) Starting Conditions for the Green Branding of a City. *Journal of Destination Marketing & Management*.

<https://doi.org/10.1016/j.jdmm.2018.05.006>

Qiao, X., A. Kristoffersson & T.B. Randrup (2018) Challenges to implementing sustainable stormwater management from a governance perspective: A literature review. *Journal of Cleaner Production*.

<https://doi.org/10.1016/j.jclepro.2018.06.049>

Laforteza, R., Chen, J., Konijnendijk van den Bosch, C. & T.B. Randrup (2017). Nature-Based Solutions for Resilient Landscapes and Cities. *Environmental Research*. <https://doi.org/10.1016/j.envres.2017.11.038>

Randrup, T.B., J. Östberg & B. Wiström (2017) Swedish Green Space Management - the Managers Perspective. *Urban Forestry & Urban Greening*. 28, December 2017, Pages 103-109

<https://doi.org/10.1016/j.ufug.2017.10.001>

Lindholst, C., T.B. Randrup, A. Kristoffersson, M.B. Hansen & B. Persson (2017) Evaluating the complexities of contracting outcomes in urban services: The case of green space maintenance in Denmark and Sweden. *Environment and Planning C: Politics and Space*. 0(0) 1-22. DOI: 10.1177/2399654417733992

Pauleit S., T. Zölch, R. Hansen, T.B. Randrup & C.C. Konijnendijk (2017) Nature-based Solutions and Climate Change – Four Shades of Green. In: Kabisch, N., A. Bonn, H. Korn, & J. Stadler (eds.) “Nature-based Solutions to Climate Change in Urban Areas - Linkages of science, society and policy”. Springer Verlag, Berlin. Doi. 10.1007/978-3-319-56091-5

Toftager, M., O. Ekholm, J. Schipperijn, U.K. Stigsdotter, P. Bentsen, M. Grønbæk, T.B. Randrup & F. Kamper-Jørgensen (2011) Distance to Green Space and Physical Activity: A Danish National Representative Survey. *Journal of Physical Activity and Health*, 8(6):741 – 749

Bentsen, P., F.S. Jensen, E. Mygind & T. B. Randrup (2010) The extent and dissemination of udeskole in Danish schools. *Urban Forestry & Urban Greening*, 9(3):235-243

Schipperijn, J., U.K. Stigsdotter, T.B. Randrup & J. Troelsen (2010) Influences on the use of urban green space - a case study in Odense, Denmark. *Urban Forestry & Urban Greening*, 9(1):25-32

Schipperijn, J., O. Ekholm, U.K. Stigsdotter, M. Toftager, P. Bentsen, F. Kamper-Jørgensen & T.B. Randrup (2010) Factors influencing the use of green space: Results from a Danish national representative survey. *Landscape and Urban Planning*, 95:130-137

Stigsdotter, U.K., O. Ekholm, J. Schipperijn, M. Toftager, F. Kamper-Jørgensen & T.B. Randrup (2010) Health promoting outdoor environments - Associations between green space, and health, health-related quality of life and stress based on a Danish national representative survey. *Scand J Public Health*, June 2010; 38(4):411-417

Randrup, T.B. & B. Persson (2009) Management of Public Green Space in the Nordic Countries – Development of a New Strategic Green Space Management Regime. *Urban Forestry & Urban Greening* 8 (2009) 31–40

Bentsen, P., E. Mygind & T.B. Randrup (2009) Towards an understanding of udeskole: education outside the classroom in a Danish context. *Education 3-13*, 37(1):29-44

Participant list

Name	Country	
Gabrielle Cheng Kai On	France	<p>Student in charge of urban planning studies at Archamps Town Hall</p> <p>In the framework of M2 in Urbanism at IUGA, and my professional insertion as responsible for urban planning and development at the Town Hall of Archamps; your training on the sustainable and sustainable management of urban areas, green areas is particularly relevant to me. In the face of land pressure and the densification of towns, it is essential to understand the issues of densification, landscape conservation and the quality of town centers and hamlets and surrounding villages while bringing about a development and a reasonable economic and social attractiveness.</p>
Mohamed Amine M'RAD	France	<p>Student</p> <p>In addition to the regulatory aspect and the participation and use of urban green spaces, it is important to focus on the technical aspects of the management and maintenance of these spaces taking into account the different challenges (technical, climate, knowledge). to do, etc.) of the contemporary city, as well as its multiple stakes (economic, financial, social, aesthetic, cultural, etc.) On the other hand, it will also be an opportunity to apprehend the social perception of these practices and to which level they integrate the population and the users. Also, starting from the principle "" Sustainable management of urban green spaces "", it would also be important to know how professionals should position themselves: should they control and guide or the opposite? "</p>
Idrissa M'boup	France	<p>Environmental studies, consultation and mediation officer</p> <p>""Recently graduated from the Urban Planning Institute of Grenoble, I am currently working in the Paris region, in the field of consultation and environmental urban mediation. Both in my professional and private life, I am sensitive to environmental issues and sustainable development. A former teacher recommended me this workshop, to which I wish to participate! Encouraged by the structure in which I work, I would like to participate in this week dedicated to the creation, maintenance and sustainable management of urban green spaces, and co-think with other professionals - and students - to solutions. and answers to these environmental and urban issues.</p> <p>Through this experience, I hope to learn more and disseminate this knowledge on the territory of the Paris region, in connection with the cities with which I work, and bring my humble knowledge in this area. "</p>
Ghizlane HAFDI	France	<p>Junior International Urban Study Officer</p> <p>Having recently worked on a mission to define urban guidelines for the Kingdom of Bahrain, I quickly realized the importance of directing its actions towards the preservation of its natural heritage</p>

		and the sustainable management of green spaces. These changes in planning ways of cities nowadays are growing in the world. The undeveloped space, namely public spaces and green spaces in urban contexts, constitute the frame of the city and are becoming more and more important, hence the need to think about their development in a sustainable way. which comes first through sustainable design and then through sustainable management. This event would be for me as a young professional an opportunity to open up even more on the subject and to discover the different solutions of sustainable management of urban green spaces borrowed by local authorities of different countries. The idea to participate in this event with experts in the field and to have moments of sharing motivates me even more than the opportunity to later use my knowledge and my know-how on the subject for cities in France
William Fettig	France	Project Director - Water and Environment engineering
Remi de Laage	France	Project Manager - Social Sciences for the Environment Interested in the relationship between Human and Nature, its experience is concerned with the analysis of the relations of society and the environment, the work of field in concrete case studies and documentary research (INDIA), observing the strategies of various actors of the environment. Experience in Water Management and Administration in France.(AGROPARISTECH). He joined Orchis in 2015 to develop Social Sciences in Engineering Projects
Gisela Mir-Viader	Spain	
Valle Lopez-Tello Jimenez	Spain	Red Sevilla x el clima https://drive.google.com/open?id=1C1H2MrcgAPZ1P2xnzJbXLoy4MIJ8oacD
Maria Nuñez Rodríguez	Spain	Freelance & Student at UAH-UPM-UCM-URJC https://drive.google.com/open?id=1UQYziH9LeSdGJ-TXIClPTcwXtKDOc2Z
Mireia Abril Janer	Spain	Direcció d'Espais Verds i Biodiversitat Medi Ambient i Serveis Urbans - Ecologia Urbana. Ajuntament de Barcelona
Valentina Greselin	Spain	Landscape designer https://drive.google.com/open?id=1IC0NdfC3jJNhs09mCKY-hEG1KBwTz1kZ
Annagiulia Parizzi	Spain	Freelance landscape architect https://drive.google.com/open?id=16MCVQcPkSFTkFatn5GuPGteGck_X55g5
Marti Ardanaz	Spain	Espai Germanetes
Thomas Søgård	Denmark	Ingenieer
Jens Galby	Denmark	Head of management, Rudersdal Municipality – Forest and landscape ingenieer
Tobias Møller Wikke	Denmark	Student
Susanne Ogstrup	Denmark	Knowledge center manager and Head of studies for Urban

		Landscape Engineers and has a background as a landscape architect.
Anne Mette Dahl Jensen	Denmark	<p>Senior Advisor</p> <p>Course director for the Park Management Course (15 ECTS), the summer course Sustainable Park maintenance (2,5 ECTS) and has a background as a biologist and Ph. D. specialized in grass management.</p> <p>Other working areas Advisor for, eg. municipalities - golf courses – soccer fields on, Copenhagen airport, advice to the authorities eg. The Environmental Protection agency, Agency for Culture and Palaces Research</p>
Carsten Luxhøj	Denmark	<p>Working as an educational coordinator and teacher at UPCH. I have a background as an Urban Landscape Engineer.</p> <p>My main interest of work are people and leading people. I have previously worked in the Danish Golf Union where I primarily worked with the transition of knowledge to practice.</p> <p>I helped collecting and obtaining the newest research and knowledge about the management and maintenance of golf courses and their surrounding areas and shared it with the greenkeepers and course managers in order to help them to a better practice.</p> <p>This work was heavily influenced by the idea of sustainability because of the laws of Denmark and visions of Danish Golf Union.</p>
Aurelia De Smelt	Belgium	<p>Researcher</p> <p>"At the Department of Landscape Architecture of the Erasmus University College Brussels, I am leading the Centre of Expertise 'tuin+' (Kenniscentrum tuin+). Based on the finding that around 9% of the Flemish land is used as private gardens (Dewaelheyns, 2014; Van Gossum et al., 2016), the research at the Centre of Expertise tuin+ is focussing on the 'garden scape', which is consisting of the diversity of private, semi-private & semi-public open and green spaces so omnipresent in the Flemish 'nebular city'. We are starting from the assumption that - if the energy of all the individual gardeners, owning, using and/or maintaining these spaces, would be steered towards a 'resource by small actions' (Dewaelheyns, 2014) - the garden scape could, play a significant role in the transition towards a more sustainable land use. Aiming at activating this resource tuin+ is developing innovative and future-oriented design and management strategies for private, semi-private & semi-public open and green spaces, through practice-oriented design research. The focus of the Centre of Expertise tuin+ is on (1) increasing knowledge on the garden scape, (2) evaluating and defining which role exactly this could play, (3) formulating strategies and recommendations to realize this and (4) testing and illustrating these strategies and recommendations though pilot projects and action research. The final aim is to improve the ecosystem-services delivered by gardens (in terms of biodiversity, climate, water, ... but also on a social level e.g. through shared and multiple use of space).</p> <p>Besides this, I also regularly give guest lectures and participates in projects as an expert on 'temporary use', 'bottom-up urbanism' and 'tactical urban planning'. I am currently also working on the 'SWOT-mobiel'-project (www.facebook.com/SWOTmobiel/) that aims to address the affordable housing problem in the Brussels-Capital Region by developing, testing and refining a resilient model for the</p>

		co-creation of solidary living in mobile housing units on vacant lots (promoters: Yves Schoonjans & Burak Pak)."
Christian Ysenbaardt	Belgium	Department manager - responsible product management Responsible for the park Management in Antwerp, leading a team of experts on park- and tree management.
Wim De Maeyer	Belgium	Nature and Forest Agency (ANB) "Responsible for the management of parks and other green areas in the green belts around Brussels and Antwerp, among them historical parks as the Castle Park of Gaasbeek, the international rose garden of Coloma, as well as highly visited parks in the centre of Vilvoorde. As the region-manager, I am responsible for the planning and maintenance of these parks. Therefore I can count on a team of about 40 people (landscape architect, forest guards, and green workers). I also participate in a project with some other organisations and municipalities in order to create a kind of national park around the city of Mechelen (a kind of green belt), where we focus on ecosystem services the countryside's provides for the people (and the environment)."
S. Tulin Barman	Belgium	Landscape architect (Architecte paysagiste) Department manager of the green spaces in Brussels, WEST zone: management and maintenance of parks in the West of Brussels, management of staff (supervisors and garden workers, landscape architects).
Fauzia Szpyt	Belgium	Landscape architect: Design and realisation of green spaces
Anna Leonard	Belgium	