COPENHAGEN URBAN LAB JUNE 1-9 2017











YOUNG WATER PROFESSIONALS YOUNG WATER DENMARK







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The host organisation behind the Copenhagen Urban Lab is looking forward to welcoming you in Copenhagen June 1st. We are excited, that you will be working on one of our key contemporary challenges in the city, building resilient neighbourhoods. The purpose of the Urban Lab is to reflect on how to improve our integrated planning approaches by focusing on the case of Saint Jørgen's Lake in the inner city. Saint Jørgen's Lake is a signature project within cloudburst resiliency planning in Copenhagen. Your ideas, designs and proposed solutions will be of high value to the city and your reflections in the process likewise.

We have set up a 10-day programme that includes informal lectures, guided tours, discussions and dinners, on your own as well as with key stakeholders. We hope, that you will learn, teach and network to the best of your ability during this short timeframe and that you will leave your mark on Copenhagen.

Welcome on board the Copenhagen Urban Lab!

2. HOST

Denmark has a very strong water sector known for innovative partnerships and cooperation. The Danish water sector is increasingly becoming international and interdisciplinary through new political agendas especially related to green initiatives, streamlining of services and processes and through climate resiliency initiatives. The links between water management and other aspects of urban planning are strengthening and integrated planning approaches are increasingly applied by both public and private actors. Joint efforts across traditional planning corridors are provoking a transformation towards more liveable cities. Copenhagen is a great example of such efforts with city wide strategies, catchment specific masterplans and co-created projects at the local level.

The Urban Lab is jointly hosted by the City of Copenhagen (Lykke Leonardsen), the Municipality of Frederiksberg (Dorte Nilsson and Niels Kaalund), the Utility for Greater Copenhagen HOFOR (Jes Clauson-Kaas), the Utility of Frederiksberg (Henrik Bay), the University of Copenhagen (Marina Bergen Jensen), and Rambøll (Christian Nyerup Nielsen and Trine Stausgaard Munk). Additionally, the Young Water Professionals Denmark (YWPDK) will assist on an as-needed basis and will take part in planning the social part of the Urban Lab programme.



The main point of contact for the Urban Lab will be Trine Stausgaard Munk (Rambøll) + 45 5161 2827.

3. TEAM

You have been carefully selected based on your individual profiles and the overall constellation of the team consisting of six young professionals. Together, you cover the three academic areas of landscape design, urban planning and water management, see Figure 1.



Figure 1 Urban Lab Team

In Table 1 each of you are briefly listed with title, association and country. You make up a highly diverse and international team. Your extended bios are found in Appendix I.

Table 1 List of team members

NAME	TITLE	ASSOCIATION	COUNTRY
Ana Panoias	Masterstudent	MSC in Landscape Architecture & Urban Design at University of Copenhagen	Denmark (Portugal)
Niloofar Sadeghi	Research Specialist	Regional Centre on Urban Water Management	Iran
Fumi Kikuyama	Associate	Rambøll Environ	USA (Japan)
Paula Curmi	Landscape Architect	Grant Associates	UK
Simon Roberts	Civil Engineer	E2DesignLab	Australia
Meivis Struga	Masterstudent	Institute for Housing and Urban Studies, Rotterdam	Netherlands (Albania)

4. CHALLENGE

Copenhagen is a frontrunner in climate adaptation towards extreme rain events, so called Cloudbursts. For each catchment in the city a detailed plan for cloudburst management has been designed through mainly blue-green, terrain-based solutions. Each catchment is split into subcatchments to ensure sufficient detail for local planning. Figure 2 illustrates the cloudburst masterplan for the subcatchment of Frederiksberg Allé, which lies in the low-lying and popular historic neighbourhood of Vesterbro, Copenhagen.



Figure 2 Cloudburst masterplan for the subcatchment of Sønder Boulevard (hydraulic catchment to Saint Jørgen's Lake)

Saint Jørgen's Lake

One of the projects in the Frederiksberg Allé subcatchment is the Saint Jørgen's Lake detention project. This project is intended to detain and convey water from upstream areas to a large cloudburst pipe leading the water directly to the harbour during cloudburst. Figure 3 illustrates initial visions for the transformation of Saint Jørgen's Lake into a cloudburst project.



Figure 3 Illustration of one of the ideas for the transformation of Saint Jørgen's Lake

Your task will be to address the complexity of the current reality, both in scale and technicality, and to bring new thoughts to the planning processes in close cooperation with the key stakeholders (Municipality of Copenhagen and Frederiksberg, Greater Utility of Copenhagen and Utility of Frederiksberg, University of Copenhagen and Rambøll) for the project of Saint Jørgen's Lake.

You are assigned to develop a solution, which takes into account the overall strategies for the area that evolve around:

- Water quality of the lake
- The vision of handling stormwater on the surface through mainly blue-green infrastructure
- The political visions for the area
- The hydraulic goals for the area (decoupling 1/3 of all buildings from the sewer network)
- Terrain levels, water volumes, overland flow paths and frequency for flooding

You will work within the hydraulic catchment of Saint Jørgen's Lake (Figure 2), whilst recognising the greater, urban catchment as well. Your main focus, however, will be on the lake itself and the immediate vicinity of Vodroffsvej and Vestre Søgade, see Figure 4.



Figure 4 Project area

Task and outcome

Your task will be to develop a proposal for retrofitting the area which focuses on the following challenges:

- 1. Need for stormwater storage how much volume and how?
- 2. Terrain modifications for stormwater to reach the lake and discharge from the lake (if you alter the water table what is the optimum level for the future lake?)
- 3. To which degree can you rely on gravitation for this part of the system and how much pumping will you have to add?
- 4. How will you integrate the water quality of the lakes into your design?
- 5. How will you integrate your design into the existing profile of the neighbourhood, both in terms of landscape, traffic and culture?
- 6. Which added benefits and values do you prioritise in your design?

The final product of your week together will be a masterplan for the lake and immediate vicinity, including cross-sections, traffic diagrams, renderings and descriptions of your plans and concepts. You are expected to wrap-up and communicate your outcomes in a PowerPoint presentation for the host organisations on June 9th and at the Embrace the Water Conference in Gothenburg in the following week.

All materials produced will be shared intellectual property of the host organisations, and hopefully shared widely with appropriate crediting to the Copenhagen Urban Lab masterminds behind it.

5. PROGRAMME

The lab takes place from **June 1st to June 9th 2017**. You will have to mix technical knowledge with social and communicative skills. Focus will be on the urban hydraulic system and the urban liveability.

Table 2 Programme

Day











Forsyning

У	Activity
June 1 st	Arrival – welcome and introduction
June 2 nd	Setting the scene
June 3 rd	Catchment day
June 4 th	Urban Liveability
June 5 th	Adding value
June 6 th	Feedback day
June 7 th	Building your statements
June 8 th	Finalising your plans
June 9 th	Presenting your results - departure

As preparation please read, as a minimum, the summary of the *Cloudburst Masterplan for Ladegårdså, Frederiksberg East & Vesterbro*. Addition materials will be shared with the participants prior to the lab.

GIS data, etc. will be made available on an as-needed basis during the lab. If you wish to start looking into data, much information is available to the public on the following websites (some only in Danish):

https://download.kortforsyningen.dk/

http://en.klimatilpasning.dk/

You are expected to bring your own laptops, but computers will be made available for printing, licensing, etc.

June 1st - Arrival

Airport

You will arrive at **Copenhagen Airport** (Kastrup Lufthavn), which is located just outside the city and very close to your Hotel and Rambøll. You will take the **train** (not metro!) from **Track 2** and get off at Ørestad Station. The trip takes 5-8 minutes. From here, you walk to your hotel.

Hotel

Check-in at CABINN Metro Ørestad Arne Jacobsens Allé 2, 2300 København S, Danmark (+45 32 46 57 00)



From your hotel or from Ørestad Station you can walk to **Rambøll Head Office** (RHO). In the reception you ask for Trine Stausgaard Munk (+45 5161 2827).

RAMBOLL

June 1st - Welcome and Introduction

Location: Rambøll – 2239 Contact: Trine Stausgaard Munk (TRSV) +45 5161 2827

PROGRAMME

- 16.00 Arrival at RHO
- 16.15 Welcome and team introduction Trine Stausgaard Munk, Project Manager, Rambøll
- 16.30 Rambøll as host and as driver for change in urban planning practices *Christian Nyerup Nielsen, Director, Rambøll*
- 17.00 Programme of the week, tour of the building, contacts and materials *Trine Staugaard Munk*
- 17.30 Leave for early dinner
- 18.00 Dinner on your own at Restaurant Rasoi (10 minute walk) http://www.rasoi.dk/



June 2nd - Setting the scene

Location: Rambøll – 1130 Contact morning: Jesper Rasmussen (JRR): +45 5161 8820 Contact afternoon: Camilla Julie Hvid (CAJH) +45 5161 6758

PROGRAMME

- 8.30 Breakfast with the Rambøll climate adaptation departments Jesper Rasmussen, Project Director, Rambøll
- 9.00 Introduction to the full masterplan developed by Rambøll Jesper Rasmussen
- 10.00 Introduction to climate adaptation work Lykke Leonardsen, Program Director for Resilient and Sustainable City Solutions, City of Copenhagen
- 10.45 Introduction to the Cloudburst Management Plan *Lykke Leonardsen*
- 11.30 Introduction to Saint Jørgen's Lake
 Rikke Hedegaard Christensen, Urban Planner, City of Copenhagen
 Niels Kaalund Jensen, Civil Engineer, Frederiksberg

12.30 Lunch at Rambøll

- 13.00 Stormwater management and urban development Marina Bergen Jensen, Professor MSO, University of Copenhagen
- 13.30 Questions/discussion on aspects, clarifications
- 13.45 The role of green infrastructure in water management *Li Liu, Post Doc, University of Copenhagen*
- 14.15 Questions/discussion on aspects, clarifications
- 14.30 The group is working with understanding their task: Brainstorming, formulating visions and goals, listing questions to follow up on, structuring tasks and making agreements on how to work, preparing for meeting with HOFOR.
- 15.30 Recap and wrap-up
- 19.00 Dinner at Von Fressen on Vesterbro http://vonfressen.com/











June 3rd - Catchment day

Location: Frederiksberg Station Contact: Morten Plesner Hansen +45 27954736

PROGRAMME

Take metro (direction Vanløse) to Frederiksberg Station. Go to the left and walk to street level (not into the shopping centre!).

- 9.15 Arrival at Frederiksberg Station where you will meet Morten Plesner Hansen and Ane Mollerup from HOFOR. Rent bicycles and bike to Frederiksberg Forsyning
- 09.30 Presentation of the Frederiksberg cloudburst system draining to Saint Jørgen's Lake
- 10.00 Presentation of the Copenhagen cloudburst system draining to Saint Jørgen's Lake
- 10.30 Bike to Lindevang Park
- 10.45 Frederiksberg presents the climate project in Lindevang Park
- 11.15 Bike with HOFOR to the cloudburst roads at Saint Jørgen's Lake
- 14.00 Lunch
- 15.00 Free time or group work
- 18.00 Dinner at Bevar's on Nørrebro http://www.bevars.dk/

From HOFOR the participants are Morten Plesner Hansen (+45 27954736) and Ane Mollerup (+45 27954603). From Frederiksberg Forsyning the participant is Henrik Bay (+45 30 76 63 31).





HOFOR

June 4th - Urban Liveability

Location: Rambøll – 2239 Contact: Neil Goring +45 5161 7453

PROGRAMME

- 8.30 Breakfast and self-study
- 10.30 Urban liveability, urban aesthetics, changes over time, and aspects on water in the urban space Bettina Lamm, Associate Professor, University of Copenhagen
- 11.15 Questions/discussion on aspects, clarifications
- 11.30 Discussion of group project (over lunch)
- 12.00 Lunch order sandwich from Gorms Pizza in Field's
- 13.00 Group work
- 18.30 Dinner at Mothers in the meatpacking district http://mother.dk/



Literature suggestions

Ahern, J. 2007. Green infrastructure for cities: The spatial dimension.

- Backhaus, A, and Fryd, O. (2013): The aesthetic performance of urban landscape-based stormwater management systems: a review of twenty projects in Norther Europe. Journal of Landscape Architecture, 8, 52-63
- Fletcher, Tim D. et al. (2015): SUDS, LID, BMPs, WSUD and more The evolution and application of terminology surrounding urban drainage, Urban Water Journal, 12:7, 525-542
- Grimm, Nancy B. et al. (2008): Global Change and the Ecology of Cities, Science 319, 756-760.



June 5th - Adding value



Location: Rambøll – 2255 Contact morning: Jonathan Leonardsen (JAL) +45 5161 8045 Contact noon: Ane Mollerup +45 27954603 Contact evening: Kirsten Prisum +45 4630 0310

PROGRAMME

- 8.30 Breakfast (Jonathan brings bread)
- 9.00 Adding value and building the business case Jonathan Leonardsen, Senior Consultant, Rambøll
- 10.00 Self-study building your concepts
- 12.00 Lunch order sandwich from Gorms Pizza in Field's
- 14.00 Group work build your concepts, document the neighbourhood or continue group work at Rambøll
- 18.00 Tour of and dinner at Papirøen with Kirsten Prisum from YWPDK



Meet Kirsten at Christianshavn Metro Station and walk to Papirøen. Kirsten will be waiting in the middle of the bridge over the canal on the metro side of Torvegade.



June 6th - Feedback day

Location: Rambøll – 2162 Contact: Trine Stausgaard Munk (TRSV) +45 5161 2827

PROGRAMME

- 9.00 Breakfast with host organisations
- 9.30 Present initial findings
- 10.30 Discussions and feedback

11.30 Lunch at Rambøll

- 12.30 Group work how can you use the feedback?
- 14.00 Hydraulic session Ane Loft Mollerup, HOFOR
- 18.00 Dinner with Rambøll and other stakeholdersat Pegasus on Vesterbro - <u>http://www.pegasus-cph.dk/</u>













FREDERIKSBERG



June 7th – Building your statements

Location: Rambøll – 2255 Contact: Trine Stausgaard Munk (TRSV) +45 5161 2827

PROGRAMME

- 9.00 Breakfast with University of Copenhagen
- 9.30 Building your statement

Marina Bergen Jensen and Bettina Lam, University of Copenhagen

12.30 Lunch at Rambøll

13.00 Building your statement Li Liu and Ole Fryd, University of Copenhagen

18.00 Dinner with HOFOR at BOB Bistro - http://bobbistro.dk/







June 8th - Finalising your plan

Location: Rambøll – 2255 Contact day: Trine Stausgaard Munk (TRSV) +45 5161 2827 Contact boatride: Jan-Michael Blum +45 4525 1405

PROGRAMME

- 8.30 Breakfast
- 9.30 Finalising your plans and preparing your presentations
- 13.00 Lunch at Rambøll
- 15.30 1-hour tour of the canals of Copenhagen with YWPDK and Jes Clauson-Kaas, HOFOR



18.00 Dinner at Halifax Nørrebro -



June 9th - Presenting your results

Location: Rambøll – 3131 Contact: Trine Stausgaard Munk (TRSV) +45 5161 2827

PROGRAMME

8.30 Breakfast

10.00 Presenting your results to key stakeholders

12.00 Lunch at Rambøll

13.00 Official end of Lab











FREDERIKSBERG

KOMMUNE



6. DOCUMENTING THE LAB

We would like to document the process of the lab with your help. Please make videos (with your phone is fine), take pictures, interview each other or the stakeholders involved in the process, etc. In the end, we will help you put it all together in a short video in order to document your accomplishments that you and we can share with other.

7. APPENDICES

APPENDIX I: Participant biographies

Ana Rita Elvas Panoias



Personal Information	
Address Lange-müllers gade 17 st.th. Mobile (+45)91658506 (Dk)	Skype anapanoias Nationality Portuguese
(+351)964718869 (PT) Email anapanoias@hotmail.com	Birth 08/03/1993

Current enrollment: MSC in Landscape Architecture & Urban Design at University of Copenhagen

Personal Statement

Spanish

Independent Level

I have a Bachelor's degree in Landscape Architecture from the University of Trás-os-Montes and Alto Douro (UTAD) in Vila Real (2014). At the moment I am doing my Master in Landscape Architecture and Urban Design at University of Copenhagen. My actual interest is working abroad and having the privilege to study at a University which has a wide diversity of students. It gives me the opportunity to interact all the time with as many cultures as possible. Besides, to beclosely taught by international professionals provides me the chance to network and to fruitfully discuss relevant topics. I have worked as an intern in national and international offices, where I could develop not only my professional and teamwork skills but also have the chance to work with a wide range of people.

Work Exper	ience	Design Compet	itions I was o	envolved in			
Jul 2015–Jul 2 Intern in Landsca At JBJC - Arquite	016 ape Architecture tura Paisagista, Lda, Vila Real (Portugal)	July 16 "Ecovia Project - Whe -Winning proposal-	ere Portugal starts	s", Melgaço (Portugal)			
Nov 2014–Jun Intern in Landsca At Ground, Inc, S	2015 ape Architecture omerville (United States)	Jun. 16 "Requalification proje (Portugal) -Winning proposal-	ect of Zona Ribeiri	nha da Vila de Castro	Laboreiro", Veigas		
May 2014–Jun Collaborator in L At JBJC - Arquite	2014 andscape Architecture ıtura Paisagista, Lda, Vila Real (Portugal)	Dec. 15 ¨Museum des 20. Jał (Germany)	nrhunderts und sei	ine stadtebauliche Ein	bindung", Berlin		
May 2013–Aug Intern in Design/ At Fundação Frei Education a	2013 Marketing Pedro, Jornal Terras da Beira, Guarda (Portugal) nd Training	July 15 "Parque Urbano de Ar May 15 "Boston Living with V	July 15 "Parque Urbano de Arruda dos Vinhos", Arruda dos Vinhos (Portugal) May 15 "Boston Living with Water", Boston (USA)				
2016-Present MSc. in Landscap 2014–2015 English Course, N 2011–2014 Bachelor Degree	pe Architecture & Urban Design, University of Copenhag MLS Language School, Somerville, MA (United States) in Landscape Architecture, University of Trás-os-Monte	jen 25 e Alto Douro, Vila Real (Por	tugal)				
Language S	kills	Computer Skill	s				
Portuguese English	Native Laguage Advanced Level	AutoCAD Adobe Photoshop	Advanced Level Advanced Level	Adobe Illustrator Google Sketchup	Independent Level Advanced Level		

Adobe Indesign

Advanced Level

Niloofar Sadeghi Komjani

Regional Centre on Urban Water Management under the auspices of UNESCO No.1, Shahrsaz Alley, Kargozar St., Dastgerdi Ave., Tehran 1919834453 Iran Tel: +98- (0)21-22911027 Fax: +98- (0)21-22911028 E-mail: sadeghi@rcuwm.org.ir, niloofar.sadeghy@gmail.com



PERSONAL INFORMATION

Given name:	Niloofar
Family name:	SADEGHI KOMJANI
Date and Place of Birth:	5 th July 1986 -Tehran

RESEARCH INTERESTS

	- Extreme hydrology (flood/drought) modeling and forecasting
	- Decision support system for river basin management
	- Urban River restoration
EDUCATION	
Oct. 2009 ~ Jul. 2012	University of Tehran, IRAN
	M.Sc in Natural Disaster Management
	Thesis: Development of risk reduction strategies using risk analysis in
	water supply system considering interaction between redundancy and
	common cause failure, Case study: Urban water supply of Tehran
Oct. 2004 ~ Sep. 2008	University of Guilan, IRAN
	B.Sc in Water Engineering
	Thesis: Hydro-suction Sediment Flushing in Dams
HONORS	
	- Top 10 in the M.Sc Entrance Exam among more than 2000 candidates
	in the National Qualification Entrance Exam of 2009
	- Ranked 3rd in the National Essay Writing Olympiad in 2001

LANGUAGE CAPABILITY

- English: Fluent
- Persian: Native, Spanish and Arabic: Basic



ENVIRONMENT & HEALTH

FUMI KIKUYAMA

Fumi has over 4 years of experience in natural resource management using geospatial technology and is passionate about building sustainable systems globally. She extensively uses geospatial modeling and analysis and Remote Sensing technology to support ecology management, site remediation, and community development work. She has been engaged in youth sustainability activities locally and globally with her communication and leadership abilities.

CAREER

Associate, Ramboll Environ, 2015-Present

Leading data visualization and analysis and geospatial modeling using GIS technology for environmental evaluation, risk assessment, site characterization, and remediation design. Major projects include remediation work for contaminated rivers, floodplains, and watersheds, environmental reviews and flood disaster recovery, habitat and recreation improvement, and groundwater monitoring and cleanup work.

Conservation Specialist, African Wildlife Foundation, 2014-2015

Assisted in developing conservation strategies and adaptive management for conservation programs in Africa. Performed geospatial analysis and modeling to visualize natural ecosystem degradations and human-wildlife conflicts in Africa. Enhanced ecological monitoring and antipoaching efforts for park authorities and field staff.

Research Assistant, International Forestry Resources and Institutions, 2014

Analyzed spatial relationships between forest cover changes, land management, and poverty in Cambodia with GIS and R.

Summer Intern, Alliance for the Great Lakes, 2013

Assisted in green infrastructure implementation for climate change adaptation in the Great Lakes coastal communities. Extensively used GIS to support green infrastructure mapping.

EDUCATION

Master of Science, 2012-2014 Natural Resources and Environment, Environmental Informatics University of Michigan, Ann Arbor, United States

Bachelor of Engineering, 2008-2012

Chemical Science and Engineering Kobe University, Kobe, Japan

OTHER ACTIVITIES

Emerging Professional, U.S. Green Building Council, 2017-present Helping a USGBC Illinois Chapter with a river restoration and energy efficiency project.

Youth Co-Coordinator, Communication Coordinator, UNFCCC COP20 Youth Delegate UN Sustainable Development Education Caucus, 2014

Assisted a co-chair in organizing a new youth delegation to UN sustainability and climate change conferences and coordinated climate actions and negotiations for youth professionals and students.

CONTACT INFORMATION

fkikuyama@ramboll.com +1 (312) 2883907

Ramboll Environ 333 West Wacker Drive Suite 2700 Chicago, IL 60606 United States of America

PAULA CURMI	Address: 7, Rivers Street, Bath, BA1 2PZ, UK Tel: 444 (0) 7547 871 340 E-mail: prur®56mmail.com		"I have a personal interest in the Landscape and Public Realm around us, particularly in Urban Spaces. I think that we have much to learn and to implement in terms of looking at the landscape as a multi-functional tool as opposed to simply a patch of green that is cuine often an after thought	I believe we need to attach strong attributes to the design of our Urban Landscapes as a means to Climate Adaptation supported by a strong Cultural Adaptation."	TRAINING	Nov 2016 SuDS Seminar Landscape Institute	April 2016 - The Pathway to Chartership Ongoing Landscape Institute	Sep 2007 International Design Seminar, Lucca, IUSS "SHAPES & IDENTITY OF LANDSCAPE, A new role for the mental hospital of Lucca" involved the reconstruction of position	urban/rural landscape for the purpose of transforming it into residences.	COMPETITION	In 2014. I formed part of a team of young landscape architects for a DESIGN COMPETITION aimed at regenerating a derelict site in	the City Centre of Sheffield. The design proposal took into account the need for urban spaces to begin to provide more active uses within the nuhlic readm by narrowing caractereaves widening	pavements and designing green spaces canagable of mitigating urban flooding. Our design proposal was selected and is currently under construction
	LANDSCAPE ARCHITECT Grant Associates Bath, UK http://grant-associates.uk.com	WARRANTED ARCHITECT The Workshop, Architecture & Design Ta'Xbiex, Malta Ta'Xbiex, Malta https://www.facebook.com/TheWorkshopArchi- tectureDesign?ref=hl	JUNIOR ARCHITECT Architecture Project Valletta, Malta http://www.ap.com.mt/index.asp	Architecture Internship, Architecture Project TEFL teacher – Teaching English as a Foreign Language, Magister Academy TEFL teacher – Teaching English as a Foreign Language, ESE & EF Telephone Interviewer – Conducting research interviews, EMCS Art Director – MIXABLES, Young Enterprise Company		MASTER OF ARTS IN LANDSCAPE ARCHITECTURE Distinction The University of Sheffield, UK	Thesis: A Naturalised Urban Edge: Working towards re-defining the Urban Identity in a time calling for Climate Resiliency (Grade: 1st)	Dissertation: Sustainable storm water management and its governance as a core driver in the future urban development and resiliency of Malta in face of Climate Change: Lessons from Copenhagen. (Grade: 1 st)	Honor & Award: The LDA Design Prize for Excellence in Landscape Design. The best overall performance in the final year.	BACHELOR OF ENGINEERING & ARCHITECTURE 2nd Class Honours University of Malta, Malta	Thesis: Fort St. Elmo & Its Environs: The Spearhead for the Regeneration of Valletta (Grade: B+)	Dissertation: The Domestic Ambiance: Making Spaces, Places Worth Living In; A Selection of Small Dwellings in Malta (Grade: B+)	ERASMUS: I completed a Semester of my studies in Cesena, under the ERASMUS Study Programme at Universita' degli Studi di Bologna, Italy.
WORK EXPERIENCE	October 2015 – On-going & July 2014 – September 2014 FULL TIME	January 2011 – June 2013 FULL TIME	July 2008 – December 2010 FULL TIME	PART TIME July 2007 – November 2007 Summer 2003 - 2007 Summer 2003 2002 - 2004 2002	EDUCATION	Sep 2013 – Nov 2015				Sep 2003 – Dec 2008			

Simon Roberts Civil Engineer



Qualifications

- > Bachelor of Engineering (BE) (Civil) Monash University (H1) 2012
- > Bachelor of Laws (LLB) Monash University (H1) 2013

Recongition

- > Winner of the 7th International Water Sensitive Urban Design Student Competition
- > Recipient of the National Committee on Water Engineering Student Scholarship

Career Overview

Simon has expertise in civil engineering design as well as communication and policy. A creative thinker, Simon is passionate about interdisciplinary urban design, Water Sensitive Urban Design and Integrated Water Management.

Simon seeks to utilise his strong foundation of technical expertise and effective communication skills to deliver innovative and robust design solutions that respond to a projects unique challenges and opportunities. He has contributed to the development of solutions which are tailored to a variety of site specific conditions, with experience in new and existing urban development areas, industrial estates and landfill sites. Simon's attention to detail and his broad understanding of the urban water cycle has been invaluable to every project he has worked on.

Simon is also passionate and motivated about making positive change in the water sector and is currently on the AWA Young Water Professional Committee in Victoria.

Prior to joining E2Designlab Simon worked as a junior water engineer in Harare. During his time in Zimbabwe Simon was able to garner an insight into international water management challenges through involvement in a variety of consulting and research projects. Projects ranged from transnational river management to public policy research and wastewater treatment plant planning. As a student at Monash University Simon conducted research with the CRC for Water Sensitive Cities into the effectiveness of green roofs and large scale bioretention systems for stormwater treatment.

Selected Project Experience

Integrated Water Management

- WSUD and IWCM Scoping and Prioritisation for Maribyrnong and Kororoit Catchment, Brimbank City Council
- San Remo Integrated Water Management Strategy -Stages 1 and 2, Westernport Water
- Living Brooklyn Integrated Water Management Strategy, Brimbank City Council
- Maroondah Water Sensitive City Strategy, Maroondah City Council
- Darebin Integrated Water Management Strategy, Darebin City Council
- Sunbury PSPs Integrated Water Management Strategy
 Stages 1 and 2, Western Water, DELWP and Melbourne Water

Water Sensitive Urban Design

- Maintenance Guides for Private Realm WSUD Assets (Porous Pavements, Raingardens and Rainwater Tanks), City of Port Phillip
- Identifying and assessing opportunities to improve stormwater management of runoff from roads, VicRoads
- Concept Designs for Large Scale WSUD Opportunities: Eltham Corridor Network, Nillumbik Shire Council
- Geelong Stormwater Management Strategy and WSUD Asset Review, City of Greater Geelong
- Ballarat Green Infrastructure and Innovation, City of Ballarat
- MUSIC Manual Update Melbourne Water
- Galada Avenue Bioretention Retrofit Design Recommendations- City of Melbourne

Wastewater and Process Water Treatment Wetlands

- Smythesdale Landfill Wetland Treatment Design, City of Ballarat
- Darebin Parklands Leachate Assessment and Constructed Wetland, City of Darebin
- Hippopotamus Exhibit: Water Quality Review and Corrective Maintenance Advice, Werribee Open Range Zoo

Previous Experience

- Save River Basin Joint Integrated Water Resources Management Strategy
- City of Harare Wastewater Treatment Plant Redevelopment and Upgrade
- Research Assistant Masters in Management of Public Policy - World Bank Water and Sanitation Program
- Office of the Commissioner for Environmental Sustainability
- Brisbane City Council Wakerley Bioretention System
- Monash University Vegetated Roof Study
- POROUS_City 7th International Water Sensitive Urban Design Student Competition

SURNAME: Struga

FORENAMES: <u>Meivis</u>

DATE OF BIRTH: 03 / 11 / 1989 PLACE OF BIRTH :

Day/ month/ year

country region/town

<u>Tirana</u>

NATIONALITY AT BIRTH / Albanian

PRESENT NATIONALITY Albanian

<u>Albania</u>

PROFESSIONAL EXPERIENCE * :

Dates : month and year	Type of position :	Employer :		
December 2011 – January 2014	Project Coordinator	Institute for Environnemental Policy – IEP Tirana, Albania		
March 2014 - Present	Founder	Environmental and Territorial Management Institute (NGO) , Tirana, Albania		
May 2014 – December 2016	Program Manager for Environmental and Energy Programme	Kosovo Civil Society for Sustainable Development (NGO) Prishtina, Kosovo		
January 2016 – September 2016	Water Quality Management Expert	AGROTEC Consulting Company(Italy company)		

Projects:

1.	 January 2016-September 2016 Company: AGROTEC Water Quality Management Expert - Preparation of Shkumbini River Basin Management Plan. Data collection, analysing, GIS mapping etc. Donor: European Commission
2.	February 2014 – Present Organization: Environmental and Territorial Management Institute - Albania Project Manager: Energy Auditing for public buildings in Tirana Municipality Valbona River Management Plan Project Manager: Project proposal preparation, project implementation, fundraising etc
3.	 May 2014 - January 2016 Organization: Forum for Civil Initiatives – Pristina, Kosovo Project Manager: "Enhance Environmental Management in Kosovo" Environmental Engineer: Environmental Impact Assessment of New Coal Power Plant in Pristina (Kosovo); (Air monitoring, data gathering and analysing); Project Coordinator: "Europeanization of Energy Sector in Kosovo" 2 years project financed by European Commission; Energy junior expert: "A policy solution for the energy sector in Kosovo"
4.	November 2013 - March 2014 Organization: Institute for Environmental Policy - Albania Project Coordinator "Implementation of Aarhus Convention in Albania: struggle and policy implementation" Donor: Balkan Trust for Democracy
5.	September 2013 – March 2014 Expert: Seminars on "Renewable Energy and Energy Efficiency Implementation" in 6 Municipalities in Albania Donor: Regional Environmental Center, Tirana,Albania.
6.	November 2012 – September 2013 Project Coordinator – Integrated Water Basin Management of Ohrid Lake Donor: CEPF Mediterranean Basin Hotspot Program
7.	November 2011 – September 2012 - Albania Expert: Road Towards Renewable Energy and Green Economy in Kukes region Donor: Friedrich Ebert Stifung
8.	May 2010 – June 2011 – Albania Organization: Environmental Center for Protection Education and Rehabilitation Project Coordinator – Solid Waste Management Plan for Skrapari City
	Awards: Full Scholarship from Netherlands Fellowship Programmes (NFP)













