



City of  
Gothenburg



ALINGSÅS  
KOMMUN



LUCI  
ASSOCIATION

CITY UNDER  
MICROSCOPE  
GOTHENBURG  
20-23 Sweden  
APRIL 2016





Gothenburg city is approaching its 400th year anniversary in 2021. While many preparations are being made for this celebration, Gothenburg is already set for one of its greatest leaps forward in modern times. With a focus on building a close-knit and sustainable city, Gothenburg is set to grow by almost a third of its population in the next 20 years! This creates a great opportunity to develop the city's public spaces. A denser city will make our work with urban lighting all the more important, both for the everyday city life and for defining the city itself – its past and future.

We are very pleased and proud to host a LUCI City under Microscope in Gothenburg. This event is an expression of one of LUCI's core purposes – to bring cities and people together to exchange experiences and ideas. We are glad to invite our partner and neighbour city, Alingsås, one of the latest members of LUCI, to take part in the programme.

For Gothenburg, it will be an occasion to reflect on what we have achieved so far and the perspectives for the future. We will gladly share with you our finest lighting projects, our approach to light and art in the city, the development of our lighting strategy through history and new perspectives towards a smart and sustainable future-proof lighting system.

Welcome to the City under Microscope in Gothenburg!

**Johan Nyhus**

President of LUCI

Deputy Mayor of Gothenburg





## Wednesday 20 April

- 19:00 Welcome cocktail
- 21:30 Walk to Götaplatsen

## Thursday 21 April

- 9:00 Opening of the City under Microscope
- 9:10 Urban planning and development in Gothenburg and the region
- 11:00 Public lighting in Gothenburg – history, strategy and management
- 12:30 Lunch
- 13:30 Frihamnen lighting lab
- 17:00 Free time or optional sauna and swimming pool in Frihamnen
- 19:30 Dinner at the Fish Market – Feskekörka
- 22:00 Lighting excursion including site visits to Eriksberg district and the Amphibian tunnel

## Friday 22 April

- 9:00 Outstanding lighting projects in Gothenburg and perspectives for the future
- 11:10 Light and art in public spaces
- 13:00 Lunch
- 14:00 The lighting strategy of Alingsås
- 15:40 LUCI announcements
- 16:10 LUCI strategic plan consultation workshop
- 18:30 Boat tour
- 20:30 Dinner at Långedrag's Vårdshus

### OPTIONAL PROGRAMME

## Saturday 23 April

- 12:00 Guided visit of the watercolour museum and exhibition
- 13:00 Lunch
- 14:00 Free time in the museum and its surroundings





Wednesday **20 April**

**16:30 Executive Committee meeting**  
(for LUCI EC members only)

**19:00 Welcome cocktail** / Dicksonska Palatset  
*Lena Malm*, Lord Mayor of Gothenburg

**21:30 Walk to Götaplatsen**



Thursday **21 April**

**8:15 Registration and coffee** / Clarion Hotel Post  
Moderators: *Andreas Milsta* & *Christina Vildinge*

**9:00 Opening of the City under Microscope**  
*Johan Nyhus*, Deputy Mayor of Gothenburg, President of LUCI

9:10 – 10:30

## URBAN PLANNING AND DEVELOPMENT IN GOTHENBURG AND THE REGION

Gothenburg is set to grow by almost a third of its population in the next 20 years. This session will offer a look at the urban development strategy of the city and the new opportunities available for its public spaces.

### ■ Vision for West Sweden

*Mårten Westlund*, Communications Director, West Sweden Chamber of Commerce

Large cities have different strengths and weaknesses and consequently different needs for future development. Gothenburg is the driving force of the West Sweden region and has unparalleled growth in store for the next 20 years. Mårten will paint a picture of what we can expect in a future Gothenburg and its surrounding region.

## ■ Gothenburg urban development in a 20-year perspective

*Björn Siesjö, City Architect, City of Gothenburg*

In Gothenburg new houses are being built, new residential areas and city districts are emerging on land previously used for industrial purposes. New roads, bridges, cycle paths and expanded public transport will make it easier to get around in the city. Gothenburg will go from being a large town, to a green and compact city, where nothing is far away. Björn will tell us about the challenges and opportunities in developing Gothenburg as a sustainable city, open to the world.

## ■ Gothenburg strategy for climate adaptation

*Ulf Moback, Landscape Architect, Gothenburg City Planning Authority*

After a short introduction about the scenarios from the Intergovernmental Panel on Climate Change (IPCC) and global challenges, Ulf will concentrate on the situation in Gothenburg and the Frihamnen district in particular. He will present Gothenburg's hydro model, storm water model and the studies and measurements that have been undertaken so far for climate adaptation.

## ■ Q&A session

10:30 Coffee break

11:00 – 12:30

# PUBLIC LIGHTING IN GOTHENBURG HISTORY, STRATEGY AND MANAGEMENT

Gothenburg uses urban lighting as a major tool to meet the challenges of tomorrow. Discover the city's urban lighting network facts and figures, its strategy and its large central infrastructure projects.

## ■ Historical overview – street lighting in Gothenburg

*Mona Hellman, Lighting Engineer, ÅF lighting*

The first gas network for street lighting in Gothenburg was built in 1846, and it was the first of its kind in Sweden at the time. In 1920, prior to the 300th year jubilee of the city, an architecture competition took place to find "the new look of Gothenburg's street lighting". The focus of this presentation will be on the result of this competition and the progress to the lighting of today.

## ■ Gothenburg by night – sustainable lighting strategy and management

*Lars Ocklund, Head of Street Lighting, Traffic and Public Transport Authority, City of Gothenburg*

After sharing facts and figures on Gothenburg's current lighting equipment, Lars will explain the need for state-of-the-art technical development and innovative solutions. He will refer to the long, dark winter months in Sweden, and underline how lighting and light maintenance must be integrated in the early stages of urban planning.

## ■ Policy for urban development and lighting in public spaces

*Helena Bjarnegård, Head Landscape Architect, City of Gothenburg and Daniel Sjölund, Civil Engineer, City of Gothenburg Urban Transport Administration*

This presentation will explain Gothenburg's public realm policy with a focus on urban lighting. The goals and strategies defined in this policy document concern the city's development process: from planning to building and maintaining outdoor spaces. One of the key issues is to make people who are involved in this process talk to each other and work towards common objectives.

## ■ Q&A session

12:30 Lunch

13:30 – 17:30

## FRIHAMNEN LIGHTING LAB

Participants will create attractive, sustainable and seamless light environments in Frihamnen. It will be an opportunity to test an innovative lighting design method and leave their imprint on this newly developing harbour district.

### ■ Frihamnen – a pilot project for a new district in Gothenburg

*Mia Edström, Architect and Frihamnen Project Manager, City Planning Department, City of Gothenburg and Hanna Areslätt, Frihamnen Project Manager, Älvstranden Utveckling AB*

The goal of the Frihamnen pilot project is to build a neighborhood where it should be easy to live in a sustainable way – socially, environmentally and economically. Frihamnen will be a green and dense neighborhood for living and working. The district is strategically located: its development will contribute to coherently link the sides of the river. Frihamnen should be open to the world with a strong focus on the public space – on the water and between houses.

### ■ Frihamnen lighting masterplan – seamless light

*Janica Wicklander, Lighting Designer, Architect and Landscaper, TENGBO*

We sometimes spend much time, effort and money on building a sustainable city, to finally discover that its qualities are only met in daylight. Lighting design should not only be used to fulfill basic functions but also to create an attractive, diverse and friendly city, faithful to its spatial identity and social qualities.

Frihamnen is of great importance as a test arena to change existing conditions for light. Restructuring the regulatory framework for lighting the city, making sure that the development of the lighting plan, the choice of equipment and its installation derive from appropriate methods and tools: this will enable us to create attractive, sustainable and seamless light environments.

### ■ Visit of Frihamnen (by bus)

### ■ Lighting lab

Through visual analysis, focusing on external light as well as spatial, social and identity-building elements of Frihamnen, participants will bring their broad experience to test the proposed lighting design method in the various environments of the district. The result of this lighting lab will feed into all the future phases of the project and will add a worldwide perspective to build a strong and consistent light identity for Frihamnen.

17:00 Free time or optional sauna and swimming pool in Frihamnen

19:00 Departure from the hotel

19:30 Dinner at the Fish Market – Feskekörka

22:00 **Lighting excursion including site visits to Eriksberg district and the Amphibian tunnel**



8:30 Registration and coffee / Clarion Hotel Post

Moderators: *Andreas Milsta & Christina Vildinge*

9:00 – 10:40

## OUTSTANDING LIGHTING PROJECTS IN GOTHENBURG AND PERSPECTIVES FOR THE FUTURE

A number of lighting initiatives are underway in Gothenburg – from smart lighting to lighting programmes for heritage buildings, to working with young people in local lighting design projects.

### ■ Smart cities – Gothenburg today and tomorrow

*Mathias Leimalm, Senior Project Manager IT & Traffic Solutions, SWECO*

This session will present the development of street lighting control in Gothenburg from time relay control to different intelligent street lighting systems that are connected to a single control and maintenance system. Mathias will present the possibilities offered by the system: how to use collected information, how to connect the system with other sources of information and, for example, adapt lighting to various situations or events.

### ■ Light programme for cultural and heritage buildings in Gothenburg

*Lars Fredén, Architect and Lighting Designer, Ljus & Form Design*

While every building was given its own identification through lighting in the past, the need for common guidelines and strategies has grown over the years. About thirty identified buildings were analysed with regard to their location, function, existing lighting, as well as the type of activities they host, their environment, the surrounding lighting and facade materials. This presentation will focus on how buildings were divided into three major groups, leading to different lighting characteristics that take into account the significance of each building.

### ■ Identity, creativity and learning by lights – involving youth in urban development

*Kajsa Sperling, Architect and Lighting Designer and Christina Vildinge, Designer, White Arkitekter*

During this session, Kajsa and Christina will focus on two different projects. Kajsa will demonstrate how light can strengthen the identity of an area and increase the feeling of security by involving citizens in the design process. Christina will share insights from Light Lab for Children, a pedagogical space where light unites art and science in an exploratory way that stimulates learning, meetings and meaning making.

### ■ Financing a sustainable city – inspiration for innovative financing methods

*Magnus Borelius, Finance Director, City of Gothenburg*

This presentation will draw attention to how cities can finance projects for their expansion in a green and sustainable way. The concept of green bonds was launched by the World Bank in 2008. It aims to raise capital to fund initiatives that contribute to sustainable development. Last year, the City of Gothenburg sold its very first green bond of 500 million SEK, becoming the first city in the world to issue a green bond.

### ■ Q&A

10:40 Coffee break



11:10 – 13:00

## LIGHT AND ART IN PUBLIC SPACES

Why and how should we combine light and art in public spaces? Keynote presentations, discussions and a new publication by the LUCI Light & Art Commission will give participants more of an insight.

### Public art now!

*Lena From, Head of Special Projects, Public Art Agency Sweden*

How does our present-day public space look like and how is it connected to light? With a range of examples from Sweden and abroad, Lena will present different projects of public art implemented with a broad diversity of materials. From bronze to sauna, from blood to lighting.

### Light works!

*Aleksandra Stratimirovic, Visual Artist*

Light might be an intangible medium but yet such a powerful tool to handle and create with. Understanding the space, its function, history, life, future, uses and needs is essential as much as it is important to understand the light sources we work with. Artistic projects for public and urban spaces require specific treatment and direction. Aleksandra will share her views on the benefits of integrating artworks and artistic approach in certain public places as well as her experience in realising permanent light art projects in public and urban spaces.

### A Light & Art discussion

This session will enable the speakers and the audience to exchange and share experiences from cities around the world on why and how to combine light and art in urban spaces.

### Introduction to the LUCI Light & Art co-creation project

### Book release: Light & Art in Public Spaces

13:00 Lunch

14:00 – 15:10

## THE LIGHTING STRATEGY OF ALINGSÅS

The neighbouring town of Alingsås is known for its unique public lighting strategy and its annual educational lighting event and festival, Lights in Alingsås.

### Alingsås lighting masterplan

*Kjell Hult, Strategic Development Manager, City of Alingsås*

During 15 years of lighting design workshops, Alingsås has developed knowledge and experience in public lighting. Kjell will present how this experience was formalised into the Alingsås Lighting Master Plan. This plan is both a guide on lighting design and a manual on how to think, plan and implement lighting. It includes chapters on town shape, links, nodes, entrances, landmarks, parks and water as well as topics such as safety, city branding, etc.



### Lights in Alingsås – a strategy linking education and event lighting

*Margaretha Stenmark and Angelica Larsson, Project Managers, Lights in Alingsås festival, City of Alingsås*

Margaretha and Angelica are the project managers of Europe's largest educational lighting event. Lights in Alingsås sets a great example on the flourishing effects that a lighting design workshop can have on the daily life of a small-scale town during the dark month of October. Through this presentation, the audience will find out more about the process of organising a light festival, and learn the story of how Lights in Alingsås grew from a small workshop in 1999 to the internationally-known and award-winning exhibition that it is today.

### Q&A

15:10 Coffee break

15:40 LUCI announcements



16:10 – 17:30

## LUCI STRATEGIC PLAN CONSULTATION WORKSHOP

Have your say in the development of the LUCI network by participating in the LUCI Strategic Plan Workshop!

The LUCI strategic plan process started at the 2015 AGM in Helsinki. It will set objectives and give a framework for action for the 10 years to come. We would like to take advantage of the many different perspectives and experiences of the participants of CM Gothenburg. This workshop – in the format of a world café – aims to gather members' input on their experience of LUCI, their vision and needs for the future.



17:30 Free time

18:30 Departure from the hotel

19:00 Boat tour – departure from Lilla Bommen

20:30 Dinner / Långedrag's Vårdshus Restaurant

## SPEAKERS



### Mårten Westlund

Communications Director,  
West Sweden Chamber of Commerce



### Björn Siesjö

City Architect, City of Gothenburg

*As a City Architect, Björn has overall responsibility for city planning in Gothenburg. He previously worked as a freelance architect, and was the CEO and owner of Kanozi Arhitects.*



### Ulf Moback

Landscape Architect, Strategic  
Department, Gothenburg City Planning  
Authority

*Ulf coordinates the city's investigation and planning for climate adaptation. He previously worked as a Landscape Architect educated at Ultuna and Alnarp universities. He has conducted various research studies, as well as cooperation and exchange projects with cities around the world. He has also developed concepts for climate adaptation in Frihamnen.*



### Mona Hellman

Lighting Engineer, ÅF Lighting

*Mona worked for more than 30 years with maintenance related subjects in public spaces for municipalities. She has worked for more than 10 years as a member of the team responsible for strategic planning and maintenance of the street lighting in Gothenburg. She is also engaged in projects with Swedish Transport Administration related to new regulations for old lighting installations.*



### Lars Ocklund

Head of Street Lighting, Traffic and Public  
Transport Authority, City of Gothenburg

*Lars has extensive experience working with lighting and illumination in the urban landscape, from the early stages as Master Plans to lighting tests and all the way down to "nuts and bolts level". Always in a fine balance between function and aesthetics with a focus on the people who will use the space.*



### Helena Bjarnegård

Head Landscape Architect,  
City of Gothenburg

*Helena works with strategic planning for public realm and landscape. She is the project manager for a new strategic plan for green spaces in Gothenburg, focusing on green social and ecological values in an urban perspective. She is also the project leader for the public realm policy.*



### Daniel Sjölund

Civil Engineer, City of Gothenburg  
Urban Transport Administration

*Daniel is a civil engineer working with urban planning and street design at the City of Gothenburg Urban Transport Administration. He focuses on making the public spaces more attractive both day and night in the city. Daniel was the project manager for the lighting policy "Stadens ljus" and is now the project manager for the lighting masterplans of the "Frihamnen" and "Södra Älvstranden" districts.*



### Mia Edström

Architect and Frihamnen Project Manager,  
City Planning Department, City of Gothenburg

*Mia is the project manager for the Frihamnen district development. Her responsibility is to plan and coordinate the whole Frihamnen area, the 5 different phases of the projects, together with Hanna Areslätt, project manager at Älvstranden Utveckling AB.*

# SPEAKERS



## Janica Wicklander

Lighting Designer, Architect and Landscaper, TENGBOM

Janica is an award winning lighting designer, architect and landscaper. She is an experienced project manager in architecture, planning and lighting design. With a wide variety of assignments from public authorities, municipalities and private actors, she has a good understanding of how to design complex processes with light.



## Mathias Leimalm

Senior Project Manager IT & traffic solutions, SWECO

Mathias is an engineer from Chalmers Technical University. He has been working with IT-solutions (IT-security and communication) for the past 25 years for companies like StoraEnso, SCA and the Swedish defense industry. Mathias has worked with intelligent lighting systems since 2012 for the City of Gothenburg.



## Lars Fredén

Architect and Lighting Designer, Ljus & Form Design

Lars works as an architect and lighting designer in his own company Ljus & Form Design. He has more than 35 years of experience in the field of architecture and 20 years in lighting design. Within his former employment at Ramböll Sverige AB, he carried out many lighting design projects. These include streets, squares, parks and buildings such as Götaplatsen – winner of the Swedish Lighting Award 2010 and honored by the Nordic Lighting award 2014 – Götatunneln, Gubberoparken and Vasagatan in Gothenburg.



## Kajsa Sperling

Architect and Lighting Designer, White Arkitekter

Kajsa has been working with light in the public domain for 16 years. She has, in recent years, been part of a framework agreement with the City of Gothenburg, where she worked closely with artists, children and youth. She participated in several research projects including «The Limitation of the Human Eye» with a focus on the aging eye's sensitivity to glare and a research project with a focus on light and equality. Kajsa is currently responsible for several projects in Gothenburg, including Kungssportavenyn and Skeppsbrokajen.



## Christina Vildinge

Designer, White Arkitekter

Christina is a designer with a background in business management and design methodologies in strategic processes for sustainable development. She also teaches at the School of Design and Crafts at Gothenburg University. Christina has deep knowledge of the aesthetic experience and learning as a creator of value and innovation in the encounter between the physical material and social life. She is currently engaged as researcher in the EU-wide initiative to map design as driver of innovation and growth.



## Magnus Borelius

Finance Director, City of Gothenburg

Magnus works as the Director for Finance at the City of Gothenburg. He is a member of a working group under the United Nations Environment Programme - Finance Initiative and the Greenhouse Gas Protocol.



## Lena From

Head of Special Projects, Public Art Agency Sweden

Lena has recently joined The Public Art Agency where she is responsible for the government Commission entitled Konst händer: "Art happens". She studied journalism and art history and has a background as an editor for cultural reportage in Göteborgsposten, chief editor for the Tidskriften Digital Fotografi and editor of the magazine Arkitektur. In the past 8 years she has directed projects for the public art in Stockholm, where, together with colleagues, project managers and artists, she finalised more than 100 temporary and permanent art projects.



## Aleksandra Stratimirovic

Visual Artist

Aleksandra works in the field of art and light. She has completed a number of permanent site-specific artworks for various public places in Sweden and abroad. She is the co-founder of the Lighting Guerrilla festival in Ljubljana, Slovenia, a core member of Transnational Lighting Detectives, and founder and artistic director of the event Belgrade of Light in Serbia. She is also the author of the awarded book You Say Light – I Think Shadow, together with Sandra Praun.



## Kjell Hult

Strategic Development Manager, City of Alingsås

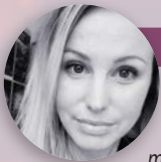
Kjell holds a Master in Urban Planning. He is responsible for the city strategic plan for growth and development including housing and infrastructure as well as investment in lighting design, key elements in the strategy.



## Margaretha Stenmark

Project Manager, Lights in Alingsås festival, City of Alingsås

Margaretha is a lighting designer and technician at Alingsås Energi. She is responsible for street lighting in Alingsås, both current and future, as well as for the workshop held in the framework of the Lights in Alingsås festival. She has previously worked for 30 years as an electric engineer and consultant and as a salesperson at different companies including Fagerhult and Zumtobel.



## Angelica Larsson

Project Manager, Lights in Alingsås festival, City of Alingsås

Angelica is Lights in Alingsås' event manager. She manages the festival and creates activities for people to meet during the month of October. She studied project management in the events industry and has been working with Lights in Alingsås for 7 years now. Before that she worked with different kinds of events, such as STCC – Swedish Touring Car Championship.



Visitors come to the Nordic Watercolour Museum to view exhibitions from all over the world. This unique coastal site means that visitors can combine art with a dip in the sea, mingle cultural experiences with good food. They can also visit the open studio to paint for a while.

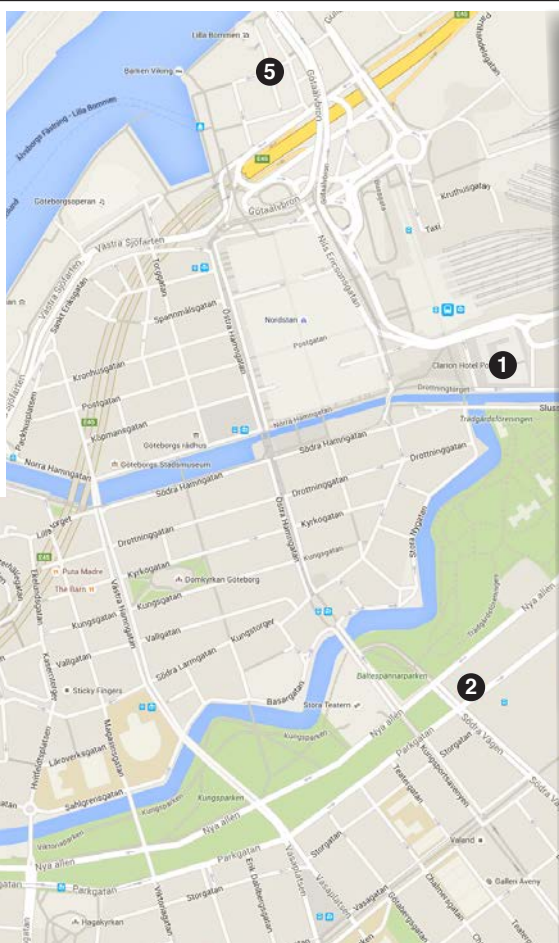
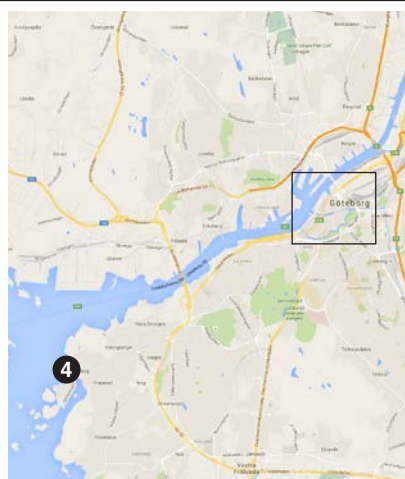
10:45 Departure from the hotel

12:00 Guided visit of the watercolour museum and exhibition

13:00 Lunch

14:00 Free time in the museum and its surroundings

16:00 Return to Gothenburg

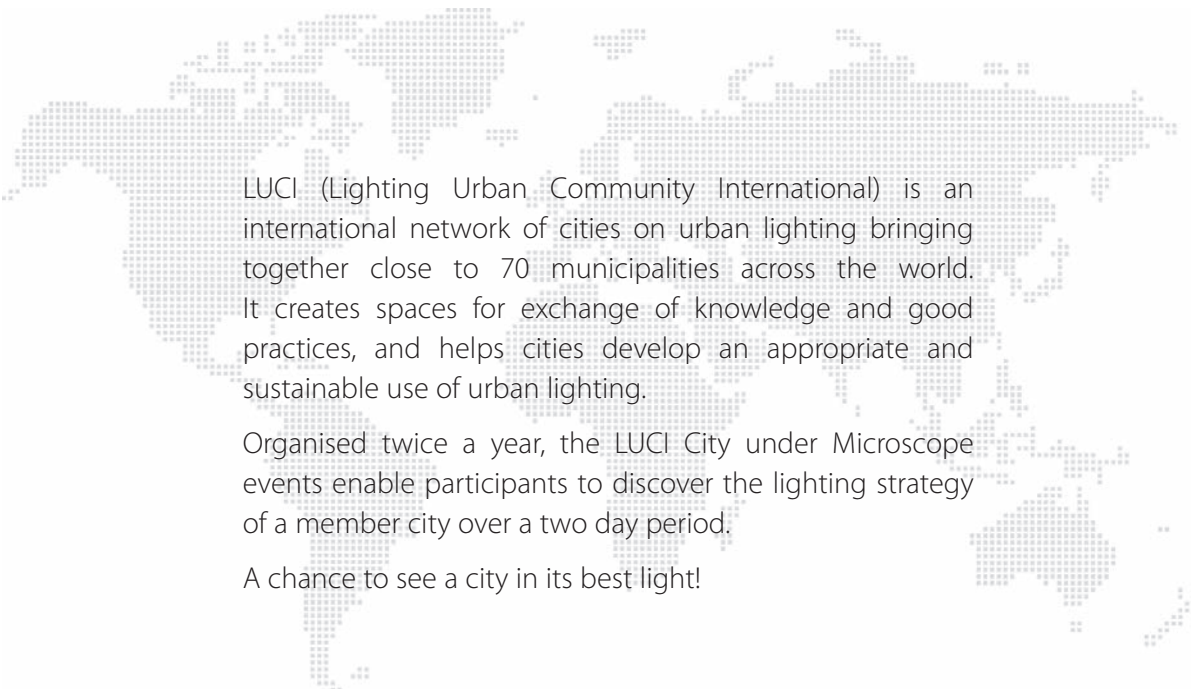


## Venues

- 1 **Accommodation and conference venue**  
Clarion Hotel Post  
Drottningtorget 10, Gothenburg
- 2 **Welcome cocktail (Wed.)**  
Dicksonska Palatset  
Parkgatan 2, Gothenburg
- 3 **Dinner (Thu.)**  
Fish Market  
Rosenlundsgatan, Gothenburg
- 4 **Dinner (Fri.)**  
Långedrag Vårdshus restaurant  
Talattagatan 24, Västra Frölunda
- 5 **Boat tour departure (Fri.)**  
Lilla Bommen, 411 04 Göteborg







LUCI (Lighting Urban Community International) is an international network of cities on urban lighting bringing together close to 70 municipalities across the world. It creates spaces for exchange of knowledge and good practices, and helps cities develop an appropriate and sustainable use of urban lighting.

Organised twice a year, the LUCI City under Microscope events enable participants to discover the lighting strategy of a member city over a two day period.

A chance to see a city in its best light!



More information on the LUCI website:  
[www.luciassociation.org](http://www.luciassociation.org)

- Free participation for LUCI members
- 300 euros for non-LUCI members (accommodation not included)

### LUCI ASSOCIATION

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