



# ANNUAL REPORT 2014

EXCHANGE

PROGRESS

PROMOTE



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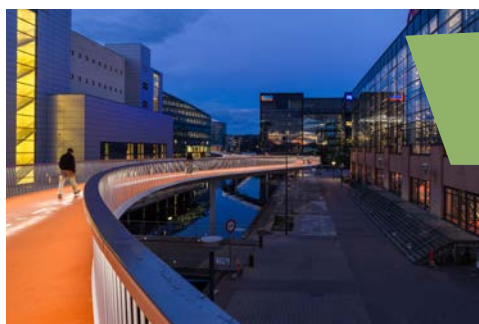
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***"In a context where urban lighting is now increasingly recognised as a key component for innovative and smart cities, I look forward to seeing our network promoting the voice of cities on the topic of urban lighting."***

## EDITORIAL

*At our Annual General Meeting 2014 in Dubrovnik, it was a great honour for the City of Gothenburg to take over the LUCI Presidency, and I would like to start by thanking Mrs. Martine de Regge, past President of LUCI, for her involvement and dedication in leading the network these last two years.*

*With the support of the LUCI team, she has brought to fruition many important initiatives, and I am very pleased to be handed over the LUCI network in such perfect health. Over the last two years, LUCI has continued its growth in number of members and associated members, its activities – from communication to projects and events – are flourishing, and with new statutes and internal procedures, the network has reinforced its structure and governance.*

*In this past year in particular, a new step has been made in making LUCI an efficient networking platform. Interactive or participative sessions have been initiated at LUCI's major events, this year organised in Rotterdam, Copenhagen - Albertslund and Dubrovnik. New tools, such as the LUCI magazine and Light Festival Calendar, have also been developed to better showcase city lighting initiatives and to reinforce LUCI's role as a resource and knowledge centre.*

*To that extent, I would like to warmly thank all the cities that contribute to these tools, as well as the ones that host LUCI events, offering a remarkable level of quality and pertinence.*

*In a context where urban lighting is now increasingly recognised as a key component for innovative and smart cities, I look forward to seeing our network – especially in the International Year of Light 2015 – continue to promote the voice of cities on the topic of urban lighting.*

**Johan Nyhus**  
President of LUCI  
Deputy Mayor  
City of Gothenburg



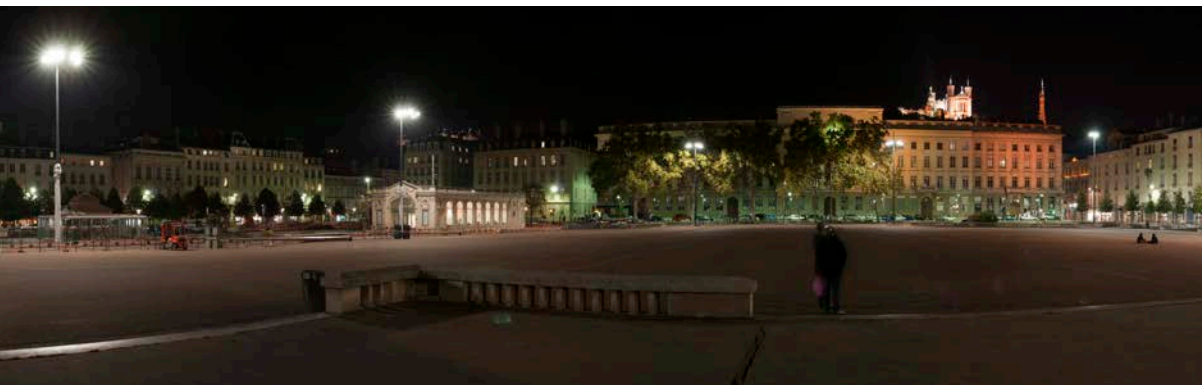
# About LUCI

Created in 2002 at the initiative of the City of Lyon, LUCI (Lighting Urban Community International) is an international network of cities on urban lighting.

The network brings together 69 municipalities on 5 continents engaged in using light as a tool for sustainable urban development. It also includes 46 lighting professionals and companies as associated members.

Through the organisation of international events and conferences, and its involvement in various lighting projects and research, LUCI creates spaces for exchange of knowledge and good practices in sustainable urban lighting.

[www.luciassociation.org](http://www.luciassociation.org)



## The LUCI team

The LUCI office is based in Lyon (France) with a permanent staff composed of three persons.



Alexandre  
Colombani  
General Manager



Albane  
Tabaka  
Project Manager



Nikita  
Junagade  
Communication Manager



# LUCI Executive Committee

In accordance with the new LUCI statutes, the LUCI General Assembly held in Dubrovnik (Croatia) was marked by the renewal of the Executive Committee. A new Board, composed of a President, a Vice President and a Treasurer was also elected for two years.



**Johan NYHUS**  
**LUCI President**  
Deputy Mayor of Gothenburg



**Mary-Ann SCHREURS**  
**LUCI Vice President**  
Deputy Mayor of Eindhoven



**Andro VLAHUSIC**  
**LUCI Treasurer**  
Mayor of Dubrovnik



**LUCI is governed by an Executive Committee composed of nine city members (voting members). At the General Assembly in Dubrovnik, the following cities were declared members of the Executive Committee:**

- Dubrovnik (Croatia)
- Eindhoven (Netherlands)
- Ghent (Belgium)
- Glasgow (UK)
- Gothenburg (Sweden)
- Jyväskylä (Finland)
- Leipzig (Germany)
- Lyon (France)
- Seoul (South Korea)

**It also includes three representatives from amongst the supporting associated members (non-voting members):**

Philips | Schröder | Thorn Lighting

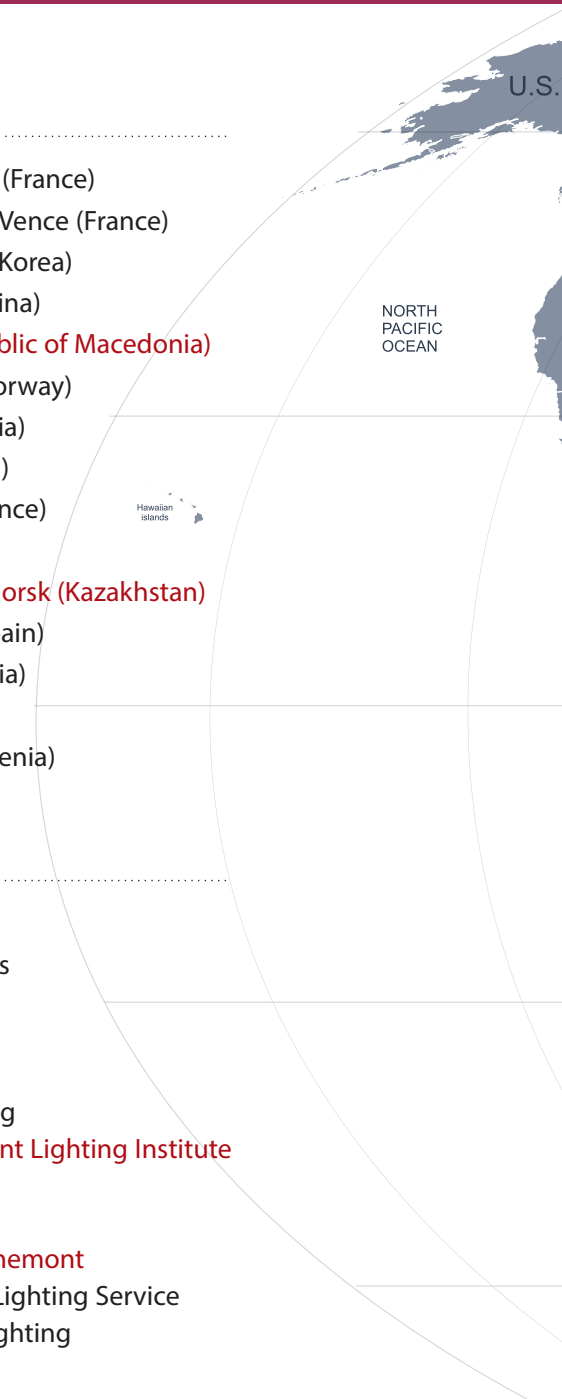
# LUCI members around the world

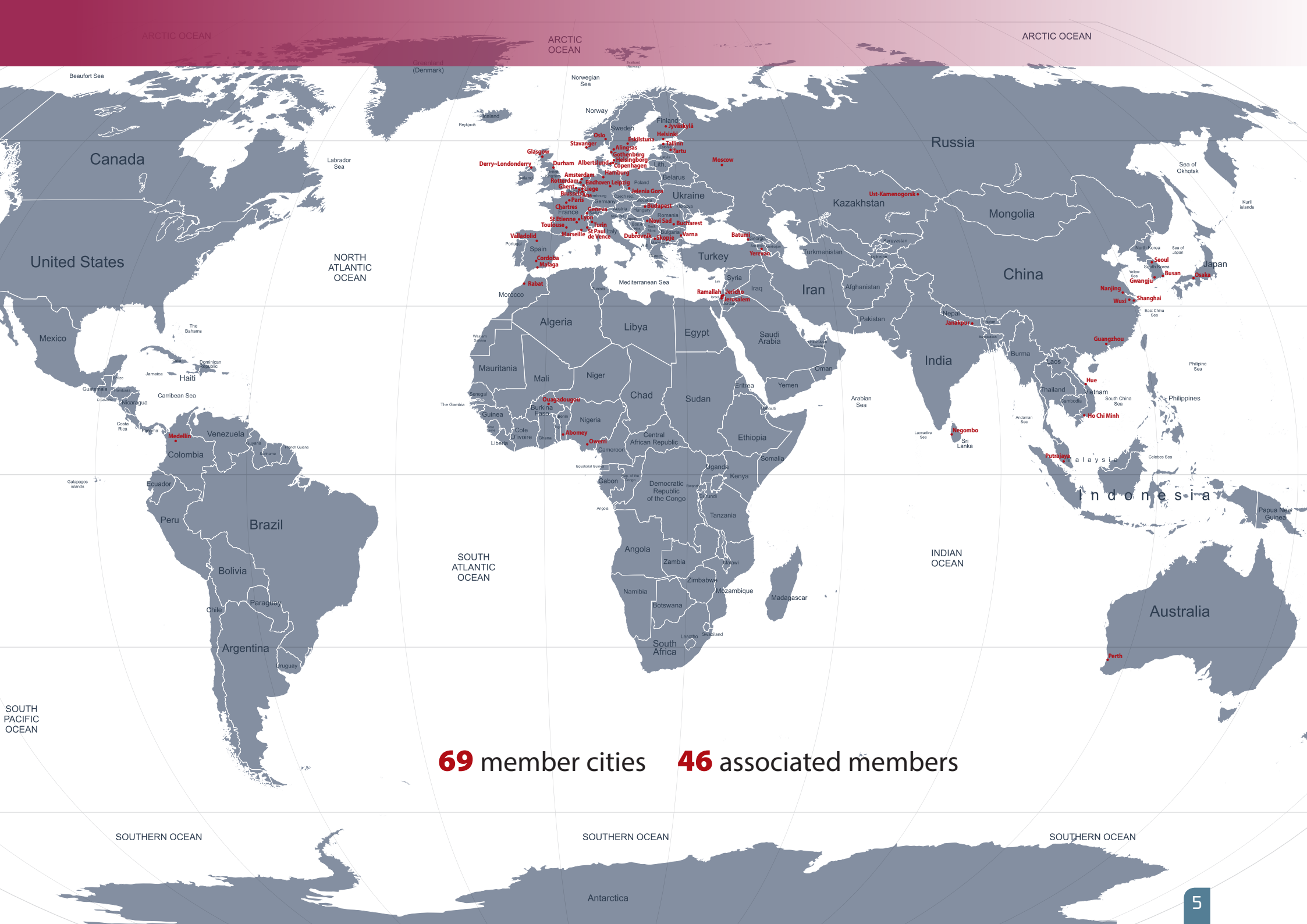
## 69 member cities \*

- Abomey (Benin)
- Albertslund (Denmark)
- **Alingsås (Sweden)**
- Amsterdam (Netherlands)
- Ans (Belgium)
- Batumi (Georgia)
- Brussels (Belgium)
- Bucharest (Romania)
- Budapest (Hungary)
- **Busan (South Korea)**
- Chartres (France)
- **Copenhagen (Denmark)**
- **Cordoba (Spain)**
- **Derry~Londonderry (UK)**
- Dubrovnik (Croatia)
- **Durham (UK)**
- Eindhoven (Netherlands)
- Eskilstuna (Sweden)
- Ghent (Belgium)
- Geneva (Switzerland)
- Glasgow (UK)
- Gothenburg (Sweden)
- Guangzhou (China)
- Gwangju (South Korea)
- Hamburg (Germany)
- Helsingborg (Sweden)
- Helsinki (Finland)
- Ho Chi Minh (Vietnam)
- Hue (Vietnam)
- Janakpur (Nepal)
- Jelenia Góra (Poland)
- Jericho (Palestinian Territories)
- Jerusalem (Israël)
- Jyväskylä (Finland)
- Leipzig (Germany)
- Liege (Belgium)
- Lyon (France)
- Malaga (Spain)
- Marseille (France)
- Medellín (Colombia)
- Moscow (Russia)
- Nanjing (China)
- **Negombo (Sri Lanka)**
- Novi Sad (Serbia)
- Osaka (Japan)
- Oslo (Norway)
- Ouagadougou (Burkina Faso)
- **Owerri (Nigeria)**
- Paris (France)
- Perth (Australia)
- Putrajaya (Malaysia)
- Rabat (Morocco)
- Ramallah (Palestinian Territories)
- Rotterdam (Netherlands)
- Saint Etienne (France)
- Saint Paul de Vence (France)
- Seoul (South Korea)
- Shanghai (China)
- **Skopje (Republic of Macedonia)**
- Stavanger (Norway)
- Tallinn (Estonia)
- Tartu (Estonia)
- Toulouse (France)
- Turin (Italy)
- **Ust-Kamenogorsk (Kazakhstan)**
- Valladolid (Spain)
- Varna (Bulgaria)
- Wuxi (China)
- Yerevan (Armenia)

## 46 associated members \*

- **AFE**
- Agence ON
- Amsterdam Light Festival
- Artichoke
- Blachère Illumination
- Budotechnika
- CDO LumiVille
- Citelum
- **Citeos**
- Cluster Lumière
- **Cocoliche Lab**
- Commission of the National Capital of Quebec
- **Craig Morrison**
- Danish Lighting Innovation Network
- Eandis
- EVESA
- **Forum Interart**
- **Gridens Technologies**
- **Guangzhou Guangya Messe Frankfurt**
- Inéo
- INSA Lyon
- L'Acte Lumière
- Leipziger Leuchten
- Les Eclaireurs
- Lucion Media
- **Lumipraxis**
- **Montréal en Histoires**
- Ocubo
- Orpin de Lune
- Partnership of the Quartier des spectacles - Montreal
- **Phanta Vision**
- Philips Lighting
- Radiance 35
- Sacred Places
- Spectaculaires
- Schröder
- **Sundrax**
- **Théoriz**
- Thorn Lighting
- **TU/e Intelligent Lighting Institute**
- VNISI
- **Werk**
- **Xavier de Richemont**
- Yang Guang Lighting Service
- ZHONGTAI Lighting





**69** member cities    **46** associated members



# New LUCI members



## Busan (South Korea)

Busan is the largest container port in South Korea and the fifth largest in the world. It is also South Korea's second largest city with 3.6 million residents and 232 753 lighting points. The city is currently in the process of upgrading its lighting masterplan. *"We have joined LUCI to learn more about new lighting design concepts, outdoor lighting applications and technologies, and other cities' experiences,"* explains Kim Jeongsoo from the Busan Metropolitan City Council.



## Copenhagen (Denmark)

The Danish capital, (572 376 inhabitants) most commonly known for being the world's best city for cyclists, has also been making the news for its ambitious goal to become carbon neutral in 2025. Copenhagen's lighting masterplan which includes replacing 20 000 old fluorescent and sodium fixtures with LED lighting will help the city move towards this goal.

This year, Copenhagen joined Albertslund as the combined host of the LUCI City under Microscope event that took place in September.



## Derry~Londonderry (United Kingdom)

Derry~Londonderry, the second-largest city in Northern Ireland, is also the only completely walled city in the country and one of the finest examples in Europe.

*"Linking up with LUCI will help us to tell our unique story and showcase how we use creative lighting to enhance the night time visual appeal of our city's key cultural venues and engage with our communities,"* states Oonagh McGillion, Director of Legacy for Derry City Council. As the inaugural UK City of Culture in 2013, Derry hosted a light festival which drew 179 000 visitors over four winter evenings.



## Durham (United Kingdom)

Durham is a historic city in the North East of England with approximately 88 000 inhabitants. Through its lighting strategy, Durham aims to maximise the use of low energy solutions to reduce carbon emissions and to generate financial savings. The city is also renowned for its "Lumiere" light festival which attracted 175 000 visitors over four days in 2013.

*"We look forward to working with LUCI to share and promote best practice regarding sustainable lighting and festivals,"* says Terry Collins, Director of Neighbourhood Services at Durham County Council.



### Negombo (Sri Lanka)

Negombo is the fifth largest city in Sri Lanka with about 128 000 inhabitants within the city limits.

Located on the west coast of the island, it is one of the main commercial hubs in Sri Lanka – renowned for its fishing industry. It is also a major tourist destination in the country.



### Owerri (Nigeria)

The City of Owerri, counting approximately 400 000 inhabitants, is leading the way in reducing greenhouse emissions and responding to climate change in Nigeria by investing in greener lighting technology. It has begun upgrading its street lighting in a move that will reduce energy use and associated costs. Approximately 5 600 mercury vapour lights will be replaced with energy efficient LED street lights by mid-2017 enabling energy savings of up to 74% per year. The City joined LUCI to improve its urban lighting by meeting and partnering with other cities with lighting knowledge and by translating that knowledge into actions that benefit the citizens of Owerri.



### Skopje (Republic of Macedonia)

Skopje, the capital and the largest city in the Republic of Macedonia (506 926 inhabitants), is the country's political, cultural, economic and academic centre.

The city is undergoing major urban renovation. In line with this, a special lighting scheme has recently been realised for five major public buildings and monuments in the city centre. The city's future urban lighting goals include the integration of LEDs, the implementation of central remote control to manage the public lighting, and the introduction of a dimming system.



### Ust-Kamenogorsk (Kazakhstan)

Ust-Kamenogorsk (305 794 inhabitants) is the administrative centre of the East Kazakhstan region and a major industrial hub.

Famous for its rich natural landscape and unique architectural heritage, the city uses public lighting to enhance its image by night for the benefit of the residents and tourists.

Ust-Kamenogorsk also plans to organise a regular light festival in order to enhance the attractiveness of the city.



# LUCI Charter on Urban Lighting

## Promoting a culture of sustainability in lighting

The LUCI Charter on Urban Lighting marks the network's commitment to sustainable development. It aims to give a clear view of the issues that should be taken into account by sustainable lighting strategies, while simultaneously gathering LUCI members around a common vision of urban lighting.

It is the product of contributions from more than 40 cities around the world and over a year of work led within the network by the City of Leipzig (Germany).

The Charter addresses challenges common to all: energy efficiency, improvement of the quality of life, reduction of light pollution, maintenance, recycling, the cultural and social dimensions of light, etc. Above all, it provides a reference framework within which towns and cities can develop their own sustainable lighting strategies.



## Signatory cities

In 2014 the City of Dubrovnik (Croatia) signed the Charter and four other cities engaged to do so in the coming year. In total, at this day, 47 cities have signed the LUCI Charter or committed to sign it.



- Albertslund (Denmark)
- Amsterdam (Netherlands)
- Brussels (Belgium)
- Budapest (Hungary)
- Chartres (France)
- Changwon (South Korea)
- **Copenhagen (Denmark)**
- **Derry~Londonderry (UK)**
- **Dubrovnik (Croatia)**
- **Durham (UK)**
- Eindhoven (Netherlands)
- Eskilstuna (Sweden)
- Ghent (Belgium)
- Glasgow (UK)
- Gothenburg (Sweden)
- Guadalajara (Mexico)

- Gwangju (South Korea)
- Hamburg (Germany)
- Helsinki (Finland)
- Jerusalem (Israel)
- Jyväskylä (Finland)
- Leipzig (Germany)
- Le Havre (France)
- Liege (Belgium)
- Lyon (France)
- Marseille (France)
- Medellín (Colombia)
- Morelia (Mexico)
- Moscow (Russia)
- Novi Sad (Serbia)
- Osaka (Japan)
- Oslo (Norway)

- **Owerri (Nigeria)**
- Pau (France)
- Paris (France)
- Perth (Australia)
- Puebla de Los Ángeles (Mexico)
- Rabat (Morocco)
- Rome (Italy)
- Rotterdam (Netherlands)
- Seoul (South Korea)
- Saint Etienne (France)
- Saint Paul de Vence (France)
- Taxco de Alarcón (Mexico)
- Tallinn (Estonia)
- Valladolid (Spain)
- Wuxi (China)

*Cities that have signed or committed to sign in 2014 are in bold*





# EXCHANGING EXPERIENCES & KNOW-HOW

Over the years lighting has affirmed itself as a major tool that can contribute to the sustainable urban, social and economic development of cities. As new technologies and concepts on lighting continue to develop, there is a growing awareness of this potential within municipalities worldwide.

In order to fully understand and make use of lighting in this changing context, LUCI offers cities spaces to exchange experiences and know-how, by organising events, conferences and meetings throughout the world.

Key issues in urban lighting such as energy efficiency, light pollution, the social dimensions of light or the organisation of light festivals are addressed, bringing together LUCI members as well as cities and lighting professionals beyond the network.

Key event of the LUCI calendar, the Annual General Meeting (AGM) is the international forum for cities on urban lighting.

It provides the opportunity for lighting professionals to share experiences, exchange know-how and learn from each other through various conferences, meetings and networking sessions.



- **155 participants from 24 countries**
- **33 cities and 15 associated members represented**
- **Programme highlights:**
  - Detailed insight into Dubrovnik's lighting strategy and perspectives
  - Presentations on energy efficient lighting by cities from the region – Pula, Karlovac, Šibenik (Croatia) and Sarajevo (Bosnia and Herzegovina)
  - Open Conference sessions featuring presentations from 12 cities worldwide
  - Philips / LUCI city.people.light award ceremony



***“This event was an opportunity for Dubrovnik to present itself and the beginning of its little revolution using light as a tool for its development and new identity”***

*“It was a great honour for the City of Dubrovnik to host the LUCI Annual General Meeting 2014.*

*This event was an opportunity for Dubrovnik to present itself and the beginning of its little revolution using light as a tool for its development and new identity, as well as its path towards the future. The lighting strategy of Dubrovnik, one of the most attractive tourist destinations in the world, was presented, along with how it contributes to promoting our cultural heritage. These presentations gave participants an insight into our hard work and all the difficulties that we encountered during implementation.*

*Becoming the LUCI Treasurer and a member of the Executive Committee is also a new opportunity for Dubrovnik to contribute to LUCI by bringing its unique lighting experience and knowledge.*

*The positive feedback from participants has been a great confirmation of the success of the event for the municipality in general.*

*We hope to see the LUCI members again in our city in the near future. They might be surprised by the city and its new night-time appearance.”*

**Andro Vlahušić,**  
Mayor of Dubrovnik



## THE INTERNATIONAL FORUM FOR CITIES AND LIGHTING

*"As a long serving member of LUCI as a member of the Executive Committee, I found the AGM in Dubrovnik to be very professional and constructive. I was very impressed by the contribution from the Croatian delegates, especially their positive attitude to the reduction of light pollution and energy savings."*

**Councillor Allan Stewart,**  
City of Glasgow (UK)



*"The AGM Dubrovnik was a great event. We saw and learnt many things about the city and its lighting strategy. We also discovered many interesting projects through the Open Conference."*

**Gyung Jin Jung,**  
Vice Mayor, City of Busan (South Korea)



*"This event offered us a valuable chance to learn about the urban lighting plan of Dubrovnik. From this event, we realised that lighting is a tool and a driving force: it carries Dubrovnik's history and culture, and it highlights the unique charm of its old city."*

**Lai Hui Fang,**  
Senior Director, Guangzhou Urban and Rural Construction Committee (China)

*"The LUCI network is a great platform to bring together technical expertise, the expectations of political leaders and the know-how of companies in the field of urban lighting. This should fuel and contribute to the evolution of the lighting industry and smart city strategies driven by the city members. We all agreed at the Dubrovnik General Assembly that this must be a key priority within the network in the next few years."*

**Karine Dognin-Sauze,**  
Deputy Mayor in charge of International and European Affairs, City of Lyon (France)

*"By bringing together new member cities and cities that have been involved for many years in the network, the AGM gives all participants the opportunity to learn from each other's experiences. The Open Conference in particular was a good way to get to know some other cities and lighting professionals... a quick win!"*

**Bart Peeters,**  
Urban Lighting Advisor, City of Ghent (Belgium)



### OPEN CONFERENCE SESSIONS

Bringing together presentations from cities around the world, the **Open Conference sessions** are a unique opportunity to discuss and learn about city lighting experiences, developments and challenges.

This year, **12 cities participated in this unique forum** addressing a great variety of topics, from master planning to festivals, through to smart lighting and innovative technologies:

- **Amsterdam** / Netherlands
- **Brussels** / Belgium
- **Bucharest** / Romania
- **Eindhoven** / Netherlands
- **Ghent** / Belgium
- **Göteborg** / Sweden
- **Helsinki** / Finland
- **Lyon** / France
- **Paris** / France
- **Rotterdam** / Netherlands
- **Seoul** / South Korea
- **Toulouse** / France



LUCI City under Microscope events enable participants to discover the lighting strategy of a member city over a two-day period. They include field visits and technical conferences on permanent and temporary lighting projects.

Rotterdam hosted the first City under Microscope in 2014, which focused on energy efficiency and sustainable lighting solutions, as well as on the use of light to enhance architecture and public art.



- **135 participants from 16 countries**
- **26 cities and 18 associated members**
- **Programme highlights:**

- Urban development and history of Rotterdam
- Rotterdam's lighting strategy and management
- Lighting Rotterdam's main infrastructures and other innovative projects
- Lighting public art and architecture

### ROTTERDAM LIGHTING PLAN

Through conferences and site visits, participants discovered the lighting masterplan of the city. Realised in 2010, it integrates functional lighting with ambient lighting on a city-wide scale.



It has three main goals:

- Improve the city's night-time atmosphere with light
- Create a coherent day and night urban landscape
- Apply technological innovations for sustainability



***"It has been very encouraging to hear the feedback on the developments made in public lighting in Rotterdam"***

*"The City under Microscope Rotterdam was a successful meeting. Some of its highlights were the presentations on the development of the city as well as the use of public lighting in Rotterdam in the past, present and future. The short parallel workshops enabled interaction and discussions between participants.*

*We received many positive reactions and compliments from the participants. Rotterdam has much more to offer and see than what many participants had originally thought.*

*Hosting this event has brought a lot to the municipality in terms of city marketing. It has also been very encouraging to hear the feedback on the developments that we have made in public lighting in Rotterdam."*

**Willem Reedijk,**  
Head of Lighting Department, City of Rotterdam



## LIGHT AND ART

With over 1000 works of art in the public space, Rotterdam makes use of light as a tool to put forward urban art at night, with a special emphasis on memorials and post-war art.



The "Schouwburgplein" (the Theatre Square) lighting scheme



Site visit of the illuminated "De Verwoeste Stad" (The Destroyed City)

## LIGHTING THE PORT OF ROTTERDAM

The optional programme took participants to the Port of Rotterdam – the largest in Europe – which requires special lighting conditions for its round-the-clock activities.

Participants learned about the contribution of its lighting plan to ensuring sustainability and safety 24/7.



Visit of the new "Maasvlakte 2" harbour site



# City under Microscope

## ALBERTSLUND & COPENHAGEN / Denmark

17th to 20th September 2014

The jointly organised City under Microscope in Albertslund and Copenhagen was the occasion to discover the strategies of two frontrunners in the field of urban lighting and smart city strategies.

Through conferences and site visits in both cities, participants learned about exemplary green and smart lighting projects such as the Danish Outdoor Lighting Laboratory (DOLL) in Albertslund or Copenhagen's large-scale LED replacement scheme.



- **130 participants from 21 countries**
- **26 cities and 20 associated members**
- **Programme highlights:**

- Albertslund's lighting plan and the tradition of Nordic light
- Opening of DOLL - a triple helix smart lighting living lab in Albertslund
- Copenhagen 2025 - the world's first carbon neutral capital
- Copenhagen's green and smart lighting strategy

Organised with the support of  
LUCI associated members:  
Citelum and Thorn

### ALBERTSLUND - LIGHTING INNOVATION AT THE SERVICE OF THE CITIZENS

Committed to reducing CO<sub>2</sub> emissions since 1992, the City of Albertslund has addressed its lighting challenges by developing innovative solutions such as the "A-Lamp" and by involving citizens in the city's strategic decisions on energy and lighting management.







***"Hosting the City under Microscope has given us valuable input to our lighting strategy and smart lighting ambitions"***

*"Hosting the City under Microscope conference was very rewarding for Albertslund. It has strengthened our network with other cities around the world and given us valuable input to our lighting strategy and smart lighting ambitions. The international opening of the DOLL living lab in Albertslund was, in my opinion, the highlight of the conference. Albertslund Municipality has been deeply involved in the co-creation of DOLL and having people from all over the world expressing enthusiasm and confirming the relevance of a large scale living lab for smart lighting was very valuable to us. Also, we have appreciated the positive response from participants and local partners – not to mention how inspiring the conference was for our own staff."*

**Niels Carsten Bluhme,**  
Director of the Department City, Environment & Employment, Albertslund Municipality



***"The LUCI conference reinforced the interest of the world press and foreign nations in our LED renewal project"***

*"Co-hosting the City under Microscope in September 2014 together with Albertslund Municipality has benefitted the City of Copenhagen. It kick-started our role as an active new member of LUCI and has strengthened the bonds between Albertslund and Copenhagen. The LUCI conference helped add new professional contacts to our lighting network and reinforced the interest of the world press and foreign nations in our LED renewal project, where we as front runner change half of the city's lighting to new RF controlled fixtures before the end of 2015. The visit of the DOLL living lab and laboratory facilities together with the participants resulted in fruitful discussions on light. The membership of LUCI will help Copenhagen keep international focus in future lighting projects."*

**Thomas Maare,**  
City Lighting Responsible, City of Copenhagen

## COPENHAGEN LIGHTING MASTERPLAN

Participants had the opportunity to learn about Copenhagen's lighting strategy, defined in coherence with the city's ambition to be CO<sub>2</sub> neutral by 2025. The city's lighting masterplan includes **three main objectives for 2016:**

- Renewal of 20 000 fluorescent and sodium fixtures with RF controllable LED lighting
- Over 65 % of the urban lighting using LED
- Reduction by 57 % of the total electricity consumption for urban lighting



New lighting in "Tingbjerg" district



Night walk in the Copenhagen city centre

## THE CITY AS A LIVING LAB

Through triple helix partnerships, Albertslund is actively engaged in developing smart solutions on a city scale. The opening of DOLL, which coincided with the City under Microscope, was an opportunity to discover this new testing facility for energy efficient lighting and smart city applications.



Guided tour of the DOLL living lab



The Lyon Light Festival Forum is the fourth highlight of the LUCI calendar. In partnership with the City of Lyon, LUCI offers its members a special programme of conferences, events and networking opportunities.



- **190 participants from 24 countries**
- **31 cities and 29 associated members**
- **Programme highlights:**
  - Lyon Light Festival Forum Conferences
    - Can a light festival be sustainable?
    - The role of sound in light festivals
  - Schröder / LUCI Auroralia award ceremony
  - Meeting with the organising team of the Fête des Lumières





# LUCI partnerships with trade fairs

Through partnerships with trade fairs and participation in conferences and meetings throughout the world, LUCI shares knowledge and experiences from the network, and raises awareness on urban lighting issues.



April 2014

## Light + Building / Frankfurt (Germany)

LUCI offered its members a guided tour of the Light+Building fair in Frankfurt, the world's biggest forum for architecture and integrated building services technology. The programme took the 40 participants to LUCI associated member stands to discover their latest innovations.

The programme also included a tour of the Luminale light festival, which transforms Frankfurt into a stage for innovative lighting design and cultural concepts.



May 2014

## CapUrba / Lyon (France)

In the framework of CapUrba – the city planning and innovative urban projects trade fair, LUCI organised a conference on the topic of “Smart lighting for smart cities”, featuring presentations from Lyon, Paris and Toulouse.



June 2014

## Guangzhou International Lighting Exhibition / Guangzhou (China)

LUCI participated in the Lighting Design Gala at the Guangzhou International Lighting Exhibition (GILE) – Asia's largest lighting industry forum. The Municipality of Albertslund (Denmark) and LUCI associated member, L'Acte Lumière, were also invited to present their lighting projects during the GILE Symposium.



# LUCI partnerships with conferences



May and October 2014

## **Light in the City** / Tartu (Estonia) and Eskilstuna (Sweden)

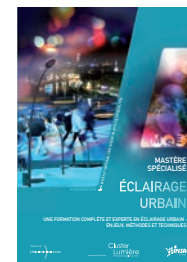
Supported by the “Europe for Citizens” programme, and coordinated by the City of Jyväskylä (Finland), two Light in the City seminars were held in Tartu and Eskilstuna this year. LUCI is the communication associate in this project which aims to raise awareness on urban lighting through conferences, workshops and Guerilla Lighting sessions.



September 2014

## **AFE “Journées Nationales de la Lumière”** / Nantes (France)

LUCI hosted a session on LED lighting featuring the City of Malaga (Spain) during the biennial conference of the French Lighting Association (AFE).



October 2014

## **Master INSA** / Lyon (France)

LUCI supported the creation of the new specialised master's degree in Urban Lighting, initiated by the National Institute of Applied Sciences, INSA-Lyon. The year-long course focuses on public urban lighting activities and covers all fields and disciplines in the domain.



October 2014

## **Forum LED** / Paris (France)

LUCI chaired the “Smart & the city” session at ForumLED, the international congress and exhibition on LED technology, featuring speakers from Brussels (Belgium), Jyväskylä (Finland) and Lyon (France).



October 2014

## **EU conference on SSL technologies and lighting** / Rome (Italy)

Within the framework of the EU SSL-erate project, LUCI contributed to this two-day conference co-organised by the European Commission DG CONNECT Photonics Unit and the Italian Ministry of Education, University and Research (MIUR). Focused on LED Lighting for Smart Cities, it featured LUCI cities Albertslund (Denmark), Eindhoven (Netherlands) and Gothenburg (Sweden), among others.



November 2014

## **Conference on “Intelligent and emotional lighting for cities”** / Cordoba (Spain)

The City of Cordoba formalised its new membership in LUCI and signed the LUCI Charter on Urban Lighting during this conference bringing together municipalities throughout Spain, the Spanish Network of Smart Cities (RECI) and the Spanish Federation of Municipalities and Provinces (FEMP).

A nighttime photograph of a city street. On the left, a tall, black and white striped traffic light pole stands on a sidewalk. In the background, a modern building with lit windows is visible. The sky is a deep blue. A large, semi-transparent purple rectangle is overlaid on the right side of the image, containing white text. In the top right corner of the purple rectangle, there is a faint graphic of a grid of squares, some of which are highlighted with a glowing effect. The street in the foreground has a crosswalk with white painted lines.

# PROGRESSING TOGETHER

The field of urban lighting has been undergoing major changes in the recent past and continues to evolve at a rapid pace.

As a leading network on urban lighting, LUCI explores, through its commission activities and various projects, the new facets and potentials of public lighting in both its permanent and temporary aspects.

Whether by piloting research on some of the burning issues in urban lighting today or by providing concrete technical support, LUCI offers tools for cities to progress towards a better and more sustainable use of light.



# LUCI Commissions

LUCI Commissions pursue projects or research addressing major issues in urban lighting.

By bringing together the existing knowledge within the LUCI network, they aim to help cities progress towards a better and more sustainable use of light. In 2014, three Commissions have been active within LUCI.



## Light and Art Commission led by the City of Gothenburg

Bringing together seven cities (Amsterdam, Gothenburg, Helsinki, Lyon, Rotterdam, Turin, Dubrovnik) and LUCI associated member Sacred Places, the Light and Art Commission has organised four meetings in 2014.

Its main objective is to help cities learn from each other on the theme of light and art in urban space through the exchange of experiences.

On the basis of the data already collected from each participant, two main ideas will be explored and developed in 2015:

### Production of a publication on "Light and Art":

This publication would present different light and art projects and provide examples of solutions on how to bring art and light into the public sphere.

### Light and art exchange project:

The Commission will support collaborations between cities on the creation and implementation of joint light and art projects.

These projects will be concrete opportunities for professionals to exchange knowledge, experiences and competences on the topic of light and art.

## What are LUCI Commissions?

- Their aim is to bring together members of the network around specific themes and topics in lighting
- They are created by the LUCI EC at the proposal of a member city (or associated member)
- Budgets may be allocated by the EC to their actions, if they benefit the network as a whole



## Sustainable Innovation Commission led by the City of Eindhoven

Within this Commission, Eindhoven proposes to give a new dynamic to the LUCI / PLUS best practice database, by using notably social networks combined with a creative use of new technologies to further disseminate identified best practices.

By using web technology in a new way, and by making use of its interactive potential, the idea is to build a best practice database that would function in real time, and never be out of date.

Interested parties are invited to join the City of Eindhoven in this Commission and to build a new and innovative best practice database.



## International Solidarity Commission led by LUCI honorary members

The International Solidarity Commission aims to support and develop LUCI's activities and projects in developing countries. Proposed by the honorary members of LUCI, this Commission is open to cities as well as associated members.



### Three main objectives:

- Bringing advice and support to developing cities in their lighting projects,
- Contributing to LUCI's reflection on initiating new actions aimed at supporting developing cities,
- Supporting the LUCI team in other international cooperation projects.



### Main activities in 2014:

#### Launch of the "LUCI City Support Service"

The LUCI City Support Service seeks to provide assistance to cities from developing countries that require support conceiving and/or implementing their new city lighting strategies and initiatives.

This assistance is provided by voluntary lighting experts and professionals from within the LUCI network with extensive experience in various domains of urban lighting.

In 2014, demands from the cities of Hue (Vietnam) and Ouagadougou (Burkina Faso) have been received, and the Commission is currently moving forward with the answers that can be brought.

#### Organisation of a LUCI event in a developing country

The International Solidarity Commission is working on the organisation of a LUCI event in a developing country. The Commission members have reflected on the specific format such an event could take, as well as some of the focuses and highlights it could include. Contacts have been made with potential host cities, and the Commission aims to have this event organised within the next two to three years.



## ENIGMA

### Objective

ENIGMA (Enlightenment and innovation, ensured through pre-commercial procurement in cities) is an EU project that aims to implement a joint pre-commercial procurement (PCP) procedure in the field of public lighting in five cities.

### Activities in 2014

On the basis of a precise description of the project challenge and city contexts, four market consultations took place. Following its discussions with private sector representatives, the ENIGMA consortium has moved forward with the preparations for the launch of the PCP.

### LUCI in ENIGMA

As a networking partner, LUCI is mainly involved in the communication and dissemination activities of ENIGMA. Throughout the year 2014, LUCI has continuously informed its member cities on the evolution of the project. It has notably offered opportunities to participate in training sessions as well as study visits and work shadowing visits.



- Programme: FP7
- Total budget: € 5.4 Million
- Partners: Eindhoven (lead partner), Malmö, Stavanger, Espoo, Bassano del Grappa and 10 knowledge and networking partners
- Launch date: October 2013
- Duration: 3 years
- Website: [www.enigma-project.eu](http://www.enigma-project.eu)

## SSL-erate

### Objective

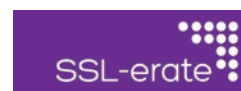
SSL-erate aims to accelerate the uptake of high-quality Solid State Lighting (SSL) technology in Europe by means of open innovation and by bringing validated information to all relevant stakeholders.

### Activities in 2014

Local workshops were held to identify green business development opportunities for SSL and should lead to the organisation of business development experiments in the domains of both outdoor and indoor lighting. Methodological tools and research have been made available on open innovation and human centric lighting in order to support these initiatives. The Lighting for People web platform was also launched, to bring together and disseminate this information.

### LUCI in SSL-erate

With a specific focus on the topics related to outdoor lighting within SSL-erate, LUCI communicates and disseminates research and outputs of the project. In 2014, it has notably contributed to the organisation of conferences and a brokerage event.



- Programme: FP7
- Total budget: € 4.6 Million
- Partners: TNO (lead partner) and 23 other partners representing the lighting industry, research organisations and public authorities
- Launch date: November 2013
- Duration: 3 years
- Website: [www.ssl-erate.eu](http://www.ssl-erate.eu)



The background image shows a modern urban scene at dusk. On the left, a curved walkway with a blue railing and an orange floor leads towards a building with a yellow-lit interior. On the right, a multi-story glass-fronted building is illuminated from within, with a 'UCIE' sign visible. A green semi-transparent rectangle is overlaid in the center, containing the title and two paragraphs of text. In the top right corner of the green area, there is a decorative graphic of a grid of squares, some of which are missing or faded.

# PROMOTING BEST PRACTICES

Bringing together a very wide range of knowledge and experiences from cities worldwide, LUCI aims to promote a culture of lighting which respects a sustainable and rational use of light “at the right place, at the right time”.

Using the LUCI Charter on urban lighting as a reference, it showcases – through its international awards, publications and communication tools – exemplary urban lighting strategies and projects worldwide. In this way, LUCI aims to help cities capitalise on existing knowledge and experiences, and to support them in the development of their urban lighting strategies.



# Awards International city.people.light award

The international city.people.light award was created in 2003 by Philips and LUCI.

Each year, it rewards three cities that best integrate the notions of “city”, “people” and “light” in a coherent lighting strategy.

[www.luciassociation.org/awards/the-luciphilips-city-people-light-award](http://www.luciassociation.org/awards/the-luciphilips-city-people-light-award)

**31** entries in 2014

Organised with:

**PHILIPS**



First prize

**Leipzig (Germany)** Richard-Wagner-Platz



Second prize

**Copenhagen (Denmark)** Bicycle snake bridge



Third prize

**Strasbourg (France)** Place du Château

## JURY MEMBERS 2014

**Rory Olcayto**, Acting Editor, The Architects Journal, London (UK)

**Norbert Wasserfurth**, Lighting Designer, Executive Director and Founder of Studio DL, Hildesheim (Germany)

**Thomas Maare**, Public Lighting Responsible, City of Copenhagen (Denmark)

**Abderrahmane Mejdoubi**, Public Lighting Manager, City of Rabat (Morocco)

**Pia Rantanen**, Architect - Street and Park Division, Public Works Department, City of Helsinki (Finland)

## Special mentions

**Pula** (Croatia) and

**Wellington** (New Zealand)

# Awards Auroralia award

The Auroralia competition, initiated by Schröder and LUCI, rewards cities that have implemented high quality exterior lighting projects that minimise their environmental footprint in the most noticeable, exemplary and original way.

The winning entries are selected by a jury composed of individuals from the international press specialised in environment, urban planning and lighting design.

[www.auroralia.org](http://www.auroralia.org)

**17** entries in 2014

Organised with:



First prize

**Eindhoven (Netherlands)** Innovative lighting for the Strijp-S district



Second prize

**Malaga (Spain)** Back2Light Soho regeneration project

**Lamego (Portugal)** Sustainable lighting renovation project for the town's heritage



Third prize

## JURY MEMBERS 2014

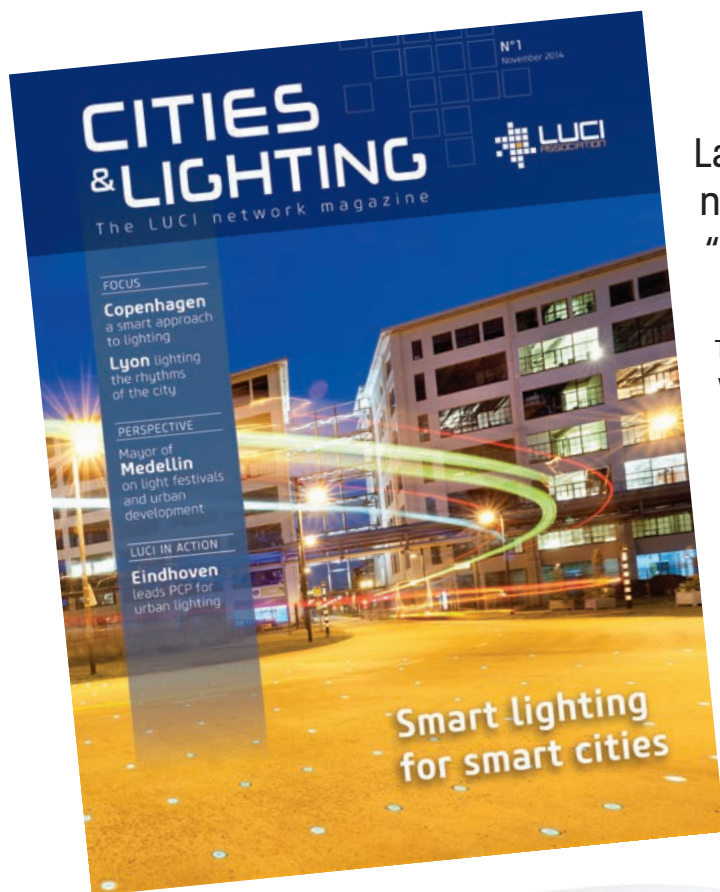
Thiago Gaya, Editor, L+D  
Paul James, Publisher / Editor, Mondo Arc  
Britta Hoelzemann, Editor, LICHT  
Albert Punsola, Editor, Ciudad Sostenible  
Zhang Xin, Executive Editor, Low Carbon Lighting  
Maury Wright, Editor-in-chief, LEDs Magazine  
Olivier Namias, Chief Editor, LUX

## Special mention

**Stutterheim (South Africa)**



# LUCI publications



## Launch of the new LUCI magazine, "Cities & Lighting"

The new biannual LUCI magazine was launched in autumn 2014.

Made for cities and based on their input, it aims to showcase urban lighting projects worldwide and address key issues in the domain.

It explores, analyses and looks into the ways light can support the sustainable urban, social and economic development of cities.

40 pages – 1000 copies – e-version online



## Other publications

### LUCI, Cities in a New Light



105 pages – English – 2012

### Light as a Tool for Tourism Development



136 pages – English and French – 2012

### The Economic and Cultural Benefits of Light Festivals



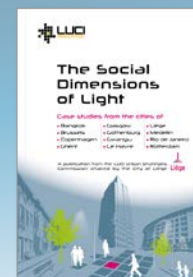
103 pages – English – 2011

### PLUS Review



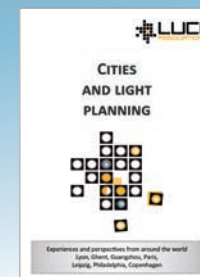
30 pages – English – 2012

### The Social Dimensions of Light



230 pages – English and French – 2011

### Cities and Light Planning

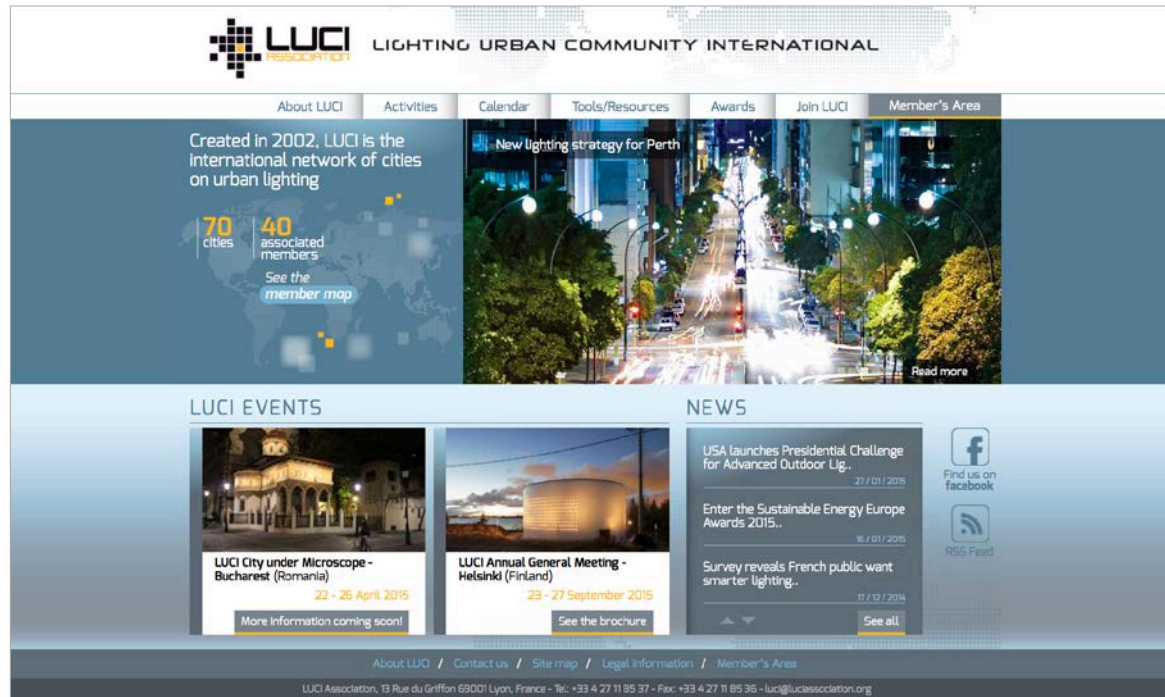


114 pages – English and French – 2010



# Digital communication

## New look for the LUCI website in 2014



Over 2000 unique visitors per month



Smartphone & tablet friendly adaptive design



New tools and resources: Light Festival Calendar

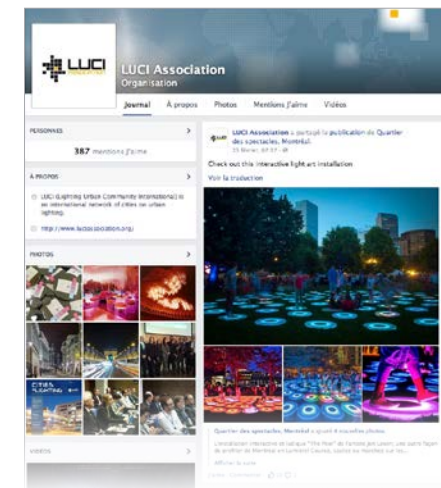


New member map with detailed information on cities' public lighting

12 "LUCI Newsflash" e-newsletters sharing internal news within the network



Like the LUCI page on Facebook!



# Light Festival Calendar

The Light Festival Calendar, launched in October 2014, is the newest tool available on the LUCI website.

An online database listing light festivals by continent, it provides key information on each initiative – dates, organisers, artists involved, budget, etc.

## 34 light festivals from around the world

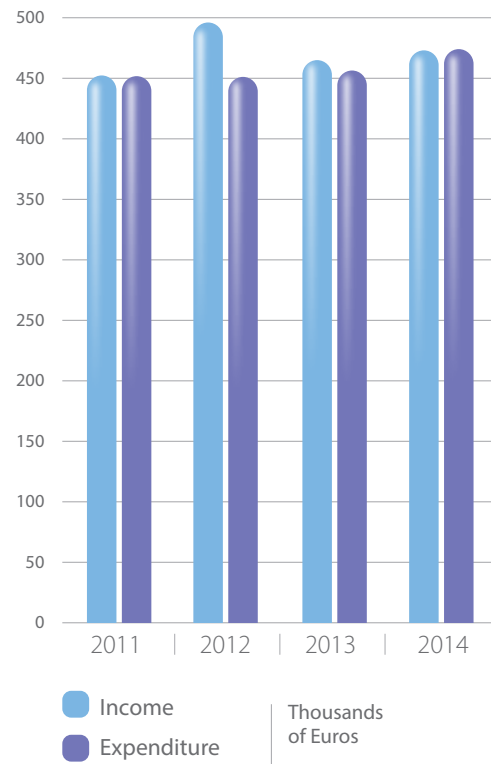
- Amsterdam (Netherlands)
- Auckland (New Zealand)
- Bath (UK)
- Berne (Switzerland)
- Birmingham (UK)
- Brussels (Belgium)
- Cascais (Portugal)
- Chartres (France)
- Dubai (UAE)
- Eskilstuna (Sweden)
- Geneva (Switzerland)
- Ghent (Belgium)
- Gothenburg (Sweden)
- Guangzhou (China)
- Helsinki (Finland)
- Jerusalem (Israel)
- Jyväskylä (Finland)
- Koblenz (Germany)
- Lausanne (Switzerland)
- Leipzig (Germany)
- Liege (Belgium)
- Łódź (Poland)
- Lyon (France)
- Medellín (Colombia)
- Melbourne (Australia)
- Osaka (Japan)
- Pragues (Czech Republic)
- Quebec (Canada)
- Riga (Latvia)
- Sharjah (UAE)
- Singapore (Singapore)
- Sydney (Australia)
- Torun (Poland)
- Turin (Italy)



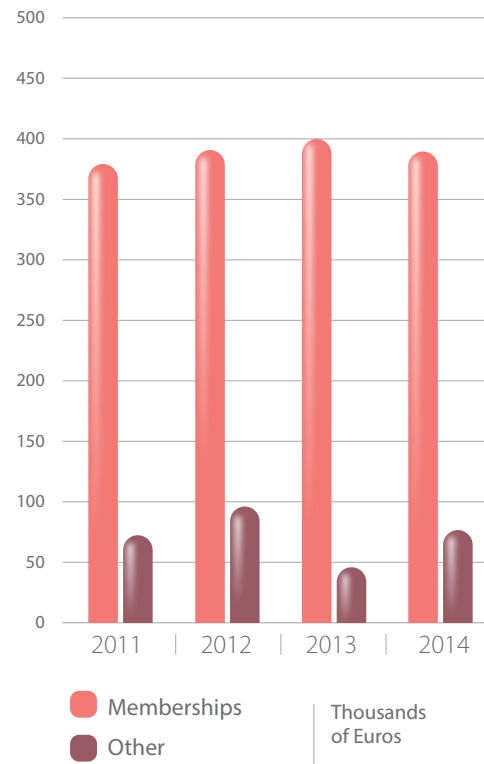


# Fast financial facts

## Income and Expenditure



## Income



## Expenditure



# Save the date! Main LUCI events in 2015



22 - 26  
April | LUCI CITY UNDER MICROSCOPE  
BUCHAREST (ROMANIA)



23 - 27  
September | LUCI ANNUAL GENERAL MEETING  
HELSINKI (FINLAND)



11 - 15  
November | LUCI CITY UNDER MICROSCOPE  
GLASGOW (UK)



5 - 8  
December | LUCI AT THE LYON LIGHT FESTIVAL  
(FRANCE)



## Editorial

- © FilipAndersson

## P2

- © Dick Gilberg, Göteborg&Co
- © LEA

## P3

- © Yougho Baik

## P6-7

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- © Stammers Kontor
- © Derry City Council; lighting design Novak
- © Lumiere 2013, "Crown of Light"; lighting design: Ross Ashton, Robert Ziegler, John Del' Nero; producer: Artichoke in Durham; photo: Matthew Andrews
- © City of Negombo
- © City of Owerri
- © Brian Man; lighting design: Lichtontwerpers.nl, Kees van de Lagemaat
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- © L'Acte Lumière, Jean-Yves Soetincq

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- Lyon Light Festival 2014 © Muriel Chaulet; lighting design: Jerome Donna and Simon Godet-Milleret, Public Lighting Department, City of Lyon
- © Fabrice Dimier; lighting design: Moetu Battle et David Passegand; production: AGLAGLA
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- © LUCI
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- © Guangzhou International Lighting Exhibition

## P18

- © City of Eskilstuna; lighting design: Karin Ermegård
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- © city.people.light - Copenhagen; lighting design: light Constructer
- © city.people.light - Strasbourg; lighting design: L'Acte Lumière

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- © Auroralia - Malaga
- © Auroralia - Lamego

## P30

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- © Tuomas Uusheimo; lighting design: Tapio Rosenius, Lighting Design Collective
- © Courtesy of Glasgow City Council
- © Muriel Chaulet; lighting design: Yves Caizergues



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