



# ANNUAL REPORT 2013

EXCHANGE PROMOTE PROGRESS





# Editorial

From Valladolid to Lyon, through to Marseille and Guangzhou, LUCI cities have once again shown in 2013 how lighting can be a powerful tool in building the smart, sustainable and livable cities of tomorrow. With its potential to make cities intelligent and interactive, to improve the quality of life of citizens and to open perspectives for future urban innovations, lighting is now a major topic of interest for cities worldwide.

The continued growth of the LUCI network, with now more than 110 members and associated members worldwide is yet but another proof of this. The remarkable attendance at LUCI events this year again also shows this strong interest, and the insights offered by Guangzhou, Marseille and Valladolid on their sustainable lighting strategies and projects have surely been a source of great inspiration for cities.

LUCI has also continued in 2013 to reinforce its role as a meeting platform for cities on all topics related to lighting, whether permanent or temporary: the Open Conference sessions at the LUCI AGM offered a new space for the exchange of knowledge and experiences. With the second edition of the Lyon Light Festival Forum, LUCI has also confirmed its capacity to be a meeting place for light artists and cities in the domain of light festivals.

These many networking opportunities have also triggered some new collaborations between lighting professionals and cities, as well as between cities themselves, notably in the framework of LUCI Commissions, with the Light and Art Commission moving ahead and the launch of the new International Solidarity Commission.

At the European level, LUCI is also now involved in two new projects – ENIGMA and SSL-erate – which will offer the latest knowledge on lighting innovations to our members.

Last but not least, an important step was made this year with the renovation of the LUCI statutes, with the aim to adapt LUCI's governance to the growth of the network.

I would like to thank all the cities for their involvement in making LUCI such a dynamic network and I look forward to another brilliant year of networking on urban lighting throughout the world!

**Martine De Regge**  
Deputy Mayor of Ghent  
President of LUCI

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EXCHANGE

PROGRESS

PROMOTE



*“In 2013, LUCI cities have once again shown how lighting can be a powerful tool in building the smart, sustainable and liveable cities of tomorrow.”*

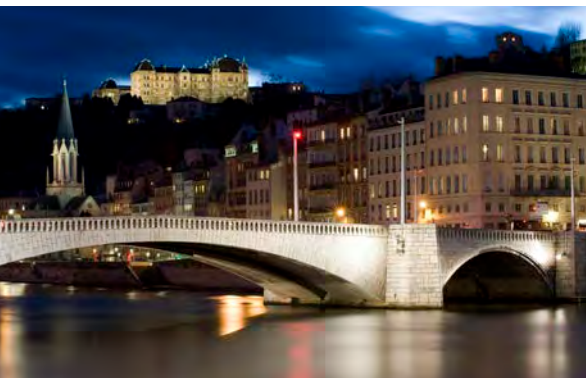
# About LUCI

**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 65 municipalities on 6 continents engaged in using light as a tool for sustainable urban development. It also includes 40 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

LUCI is governed by an Executive Committee composed of nine city members.

In 2013, at the LUCI General Assembly in Guangzhou (China), the Cities of Rotterdam and Jyväskylä were elected as new members of the Executive Committee.



**Martine DE REGGE**

**LUCI President**

Deputy Mayor of Ghent



**Anneli HULTHEN**

**LUCI Vice President**

Mayor of Gothenburg



**Jean-Michel DACLIN**

**LUCI Treasurer**

Deputy Mayor of Lyon  
Honorary President of LUCI



## Current LUCI Executive Committee city members (voting members):

- Eindhoven (The Netherlands)
- Ghent (Belgium)
- Glasgow (U.K.)
- Gothenburg (Sweden)
- Jyväskylä (Finland)
- Leipzig (Germany)
- Lyon (France)
- Rotterdam (The Netherlands)
- Seoul (South Korea)

## Representatives from amongst the associated members (non voting members):

Philips | Schröder | Thorn Lighting

In 2013, an Extraordinary General Assembly was held in Guangzhou (China) where new LUCI statutes were validated.

The new statutes will be implemented in 2014 at the LUCI Annual General Meeting in Dubrovnik (Croatia) and will implicate a renewal of the LUCI EC within a new governance.

### 65 member cities\*

- Abomey (Benin)
- **Albertslund (Denmark)**
- **Amsterdam (The Netherlands)**
- Ans (Belgium)
- Batumi (Georgia)
- Brussels (Belgium)
- Bucharest (Romania)
- Budapest (Hungary)
- Chartres (France)
- Dubrovnik (Croatia)
- Eindhoven (The Netherlands)
- Eskilstuna (Sweden)
- Ghent (Belgium)
- Geneva (Switzerland)
- Gimhae (South Korea)
- Glasgow (United Kingdom)
- Gothenburg (Sweden)
- Guangzhou (China)
- Guadalajara (Mexico)
- 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)
- Le Havre (France)
- Leipzig (Germany)
- Liege (Belgium)
- Lyon (France)
- Malaga (Spain)
- Marseille (France)
- Medellin (Colombia)
- Moscow (Russia)
- Nanjing (China)
- Novi Sad (Serbia)
- Osaka (Japan)
- Oslo (Norway)
- Ouagadougou (Burkina Faso)
- Paris (France)
- Perth (Australia)
- Putrajaya (Malaysia)
- Rabat (Morocco)
- Ramallah (Palestinian Territories)
- Rome (Italy)
- Rotterdam (The Netherlands)
- Saint Etienne (France)
- Saint Paul de Vence (France)
- Seoul (South Korea)
- Shanghai (China)
- Stavanger (Norway)
- Tallinn (Estonia)
- Tartu (Estonia)
- Taxco de Alarcón (Mexico)
- Toulouse (France)
- Turin (Italy)
- Valladolid (Spain)
- Varna (Bulgaria)
- **Wuxi (China)**
- Yerevan (Armenia)
- Zacatecas (Mexico)

### 40 associated members\*

- **Agence On**
- Alain Guillhot Lumière
- Amsterdam Light Festival
- Artichoke
- Blachère Illumination
- Budotechnika
- CDO LumiVille
- Citelum
- Cluster Lumière
- **Commission of the National Capital of Quebec**
- Côte Lumière
- Danish Lighting Innovation Network
- Eandis
- **EVESA**
- GE Lighting
- Inéo
- INSA Lyon
- Institute of City Planning Duisburg Essen
- L'Acte Lumière
- Leipziger Leuchten
- Les Eclaireurs
- **Lucion Media**
- **Neo Light**
- **Ocubo**
- Orpin de Lune
- Partnership of the Quartier des spectacles - Montreal
- **Philippe Morvan**
- Philips Lighting
- Pitaya
- Radiance 35
- Sacred Places
- Schröder
- **Spectaculaires**
- **Studio Kybra**
- **Strategies Unlimited**
- Thorn Lighting
- VNISI
- Xavier de Richemont
- Yang Guang Lighting Service
- ZHONGTAI Lighting





# New LUCI members



## Albertslund (Denmark)

The Municipality of Albertslund (Denmark), located in the western part of the Copenhagen Metropolitan Area, has a long tradition for innovative lighting with the creation of the Albertslund Lamp in the 1960s as well as its LED based reinvention, the A-lamp, in 2007.

Albertslund has prepared a new lighting plan and is about to undertake a total renovation of its urban lighting system with the replacement of approximately 8 000 lamps by new LED based lamps – an initiative that will lead to a 50 – 75% reduction in lighting energy consumption. The new lighting system will also become the backbone of a Smart City infrastructure.



## Amsterdam (The Netherlands)

The Dutch capital Amsterdam, a city of 800 000 inhabitants, is marked by its historical heritage and a strong link with water, which give both daylight and artificial light a special role to play.

The municipality is responsible for lighting 135 000 streetlights, over 350 illuminated buildings and bridges in the Canal District – a UNESCO world heritage site – and several artworks. “Amsterdam is an internationally oriented and vibrant city. Our aim is to inspire and share knowledge with our LUCI partners,” say Hans Akkerman, Head of Illumination and Paco Bunnik, Urban Designer at the City of Amsterdam.

In the coming years the municipality will pay special attention to the overall quality of the urban nightscape by promoting greater consistency in the use of light, stimulating innovation and encouraging experimentation, with a particular focus on sustainable lighting.





### Janakpur (Nepal)

Located 400 kilometres from Kathmandu, the City of Janakpur (100 000 inhabitants) is one of the major centres of Hindu pilgrimage in Nepal. Renowned as the birthplace of the Hindu goddess Sita, and as the capital of the ancient Mithila kingdom, this city draws numerous tourists to its religious and historical sites.

Janakpur's objective is to start developing lighting facilities for various sites, temples and lakes to increase the attractiveness of the city and encourage tourism and economic development. A long term objective is also to progressively undertake street lighting projects.

"Janakpur has joined LUCI to get help from the network and develop the use of light as a beautification tool. We would like to have good understanding and friendly relations that will lead to sharing ideas and knowledge," explains Bajrang Prasad Shah, Ex-Mayor of Janakpur.



### Wuxi (China)

Wuxi, a city in China's Jiangsu province, about 128 kilometres northwest of Shanghai, is one of the major economic and touristic centres in the Yangtze Delta. The lighting strategy of the city focuses on energy conservation and CO2 emission reduction. Its objective is to bring about a new era of green lighting that enables security, improves the quality of life, and creates a unique lighting nightscape, all while taking into account citizen satisfaction. "We joined LUCI mainly to understand foreign advanced lighting concepts, and study high quality lighting achievements and mature lighting plans, so as to guide our lighting programmes," says Xu Guowei, Director of the Wuxi Park and Scenic Area Management Centre.

The city is currently implementing several solar lighting projects. It also plans to implement centralised control and intelligent lighting throughout its territory in the future.

## 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.

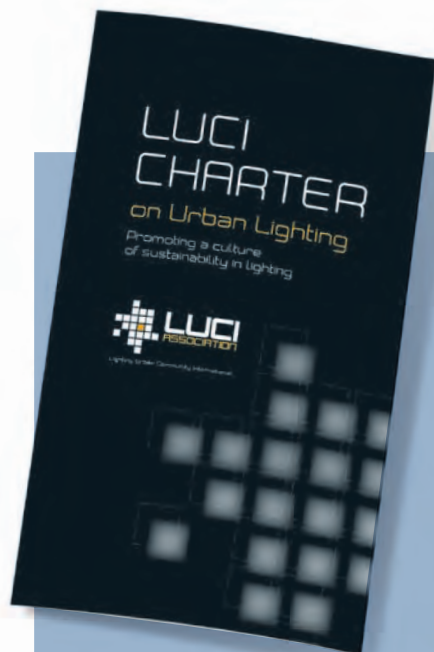
It is the product of contributions from more than 40 cities around the world and over a year of work led within the network by the City of Leipzig (Germany).

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 2013 the Cities of Valladolid (Spain) and Marseille (France) signed the Charter and 3 other cities have engaged to do so in the coming year. In total, at this day, over 40 cities have signed the LUCI Charter or committed to sign it.



- **Albertslund (Denmark)**
- **Amsterdam (The Netherlands)**
- Brussels (Belgium)
- Budapest (Hungary)
- Chartres (France)
- Changwon (Korea)
- Eindhoven (The Netherlands)
- Eskilstuna (Sweden)
- Ghent (Belgium)
- Glasgow (U.K)
- Gothenburg (Sweden)
- Guadalajara (Mexico)
- Gwangju (Korea)
- Hamburg (Germany)
- Helsinki (Finland)
- Jerusalem (Israel)
- Jyväskylä (Finland)
- Leipzig (Germany)
- Le Havre (France)
- Liège (Belgium)
- Lyon (France)
- **Marseille (France)**
- Medellín (Colombia)
- Morelia (México)
- Moscow (Russia)
- Novi Sad (Serbia)
- Osaka (Japan)
- Oslo (Norway)
- Pau (France)
- Paris (France)
- Perth (Australia)
- Puebla de Los Ángeles (México)
- Rabat (Morocco)
- Rome (Italy)
- Rotterdam (The Netherlands)
- Seoul (Korea)
- Saint Etienne Métropole (France)
- Saint Paul de Vence (France)
- Taxco de Alarcón (México)
- Tallinn (Estonia)
- **Valladolid (Spain)**
- **Wuxi (China)**

*Cities that have signed or committed to sign in 2013 are in bold*

# EXCHANGING EXPERIENCES AND KNOW-HOW

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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.

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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.



AGM opening ceremony

# 中国广州

- 140 participants from 23 countries
- 33 cities and 15 associated members represented
- Programme highlights:
  - Detailed insight into Guangzhou's lighting strategy
  - Overview of the lighting strategies of major cities in China - Shanghai, Beijing and Chongqing
  - Light festivals and international attractiveness - Guangzhou and Lyon light festivals
  - Open Conference sessions featuring presentations from cities on their urban lighting projects and events
  - Philips / LUCI city.people.light award ceremony
  - Opening ceremony of the Guangzhou International Light Festival

Organised with the support of LUCI associated members: Philips and YGLS



OPEN CONFERENCE SESSIONS

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

This year, 9 cities participated in this initiative:

- Albertslund (Denmark)
- Bucharest (Romania)
- Dubrovnik (Croatia)
- Eindhoven (The Netherlands)
- Gothenburg (Sweden)
- Helsinki (Finland)
- Marseille (France)
- Osaka (Japan)
- Paris (France)



**“Hosting the LUCI AGM brought a new dynamic to the urban lighting development of our city”**

*“As an international network of cities on urban lighting, LUCI has been playing an active role in inspiring cities worldwide. Hosting the LUCI AGM 2013 in Guangzhou brought a new dynamic to the urban lighting development of our city.*

*It provided a unique opportunity for participants to learn more about the relationship between urban planning and lighting in Guangzhou, as well as some of the most advanced lighting experiences and technologies we have initiated.*

*We were also very pleased to receive many compliments from participants about the content of the event, especially the evening activities, from the boat tour on the Pearl River, to the night visit of the Canton tower, not to mention the city.people.light award ceremony.*

*With its international dimension, the LUCI AGM constituted a key event and highlight of the year in China for all lighting professionals.*

**Tan Wei**  
Director, Guangzhou Lighting Construction and Administration Centre



*“We are proud of the work accomplished for the last 2 years in the framework of the Energy Performance Contract of Paris and were very pleased to have had the opportunity to show that Paris is a pioneering city in sustainable urban lighting.”*

**Denis Perrot**  
Expertise and Innovation Manager, EVESA



*“It was a great honor to present ‘Osaka, City of Light’ in front of an international audience at the LUCI AGM. This opportunity encourages us to take up new challenges for the future lighting projects of Osaka.”*

**Shinya Hashizume**  
Chairman, Osaka City of Light Promotion Committee



*“The presentation of our Vision and Roadmap Urban Lighting Eindhoven 2030 brought the project to a new level thanks to the input and discussions with attendees. We hope to keep on sharing the progress made on this innovative project with many of these people in the future.”*

**Irmo Kaal**  
Senior Project Manager, City of Eindhoven

*“Having the possibility to share ideas with other cities is a constructive and a unique experience. I’m very pleased to have presented Dubrovnik’s lighting masterplan and opened the discussion on our results, our problems but also on solutions which might be helpful to others.”*

**Maja Brzic**  
Expert for Public Lighting, City of Dubrovnik



*“The presentations were of very good quality and gave a concrete and interesting basis for discussion and questions... I only regret not being able to hear all the presentations!”*

**Ingemar Johansson**  
Head of Street Lighting Department, City of Gothenburg



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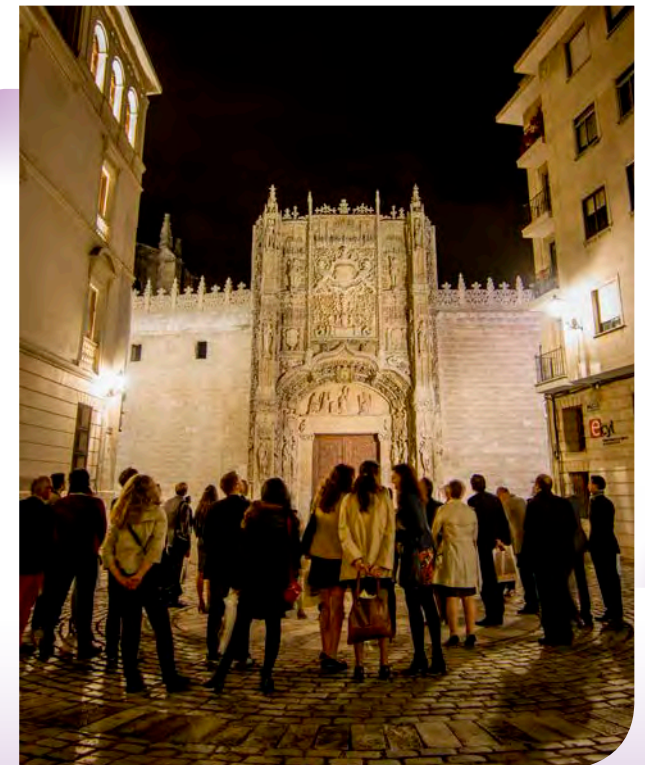
LUCI City under Microscope events enable participants to discover the lighting strategy of a member city over a two-day period. They include field visits and technical conferences on permanent and temporary lighting projects.

The City of Valladolid hosted the first City under Microscope in 2013. It presented its lighting strategy which aims to highlight its rich cultural heritage in a sustainable manner.

- 103 participants from 16 countries
- 27 cities and 12 associated members represented
- Programme highlights:
  - History and urban growth of Valladolid
  - Valladolid's public lighting strategy
  - "Rivers of Light" project and city marketing strategy
  - Valladolid's Smart City policy and energy efficient lighting projects

*Organised with the support of LUCI associated member: Philips*

Participants discovered the "Rivers of Light" project during two night walks. This luminous path within Valladolid, which uses sustainable lighting technologies and innovations, has enhanced the city's heritage and developed tourism.



*“To integrate lighting issues in urban development is essential for cities today”*



*“Hosting the LUCI City under Microscope event was a real success for Valladolid. With participants from more than 15 countries and widespread media coverage, this event was a unique opportunity to show to an international audience the municipal policies that Valladolid is currently setting up in the domain of urban lighting.*

*Our city has been one of the first in Spain to consider the enormous importance of public lighting from an aesthetic and economic point of view. Hosting this important international forum for sharing knowledge on urban lighting comes in line with this strong engagement.*

*We are also very proud to have signed the LUCI Charter on Urban Lighting during this event. To integrate lighting issues in urban development policies is essential for cities today. The quality of street lighting can have a positive impact on the urban development and renewal process of the city as a whole.”*

**Fernando Rubio Ballesteros**  
Councillor to the Presidency,  
Valladolid City Council



Salvador Church on the “Rivers of Light” route



Visit to the regeneration area ARI Rondilla





Marseille, European Capital of Culture 2013, hosted the second City under Microscope of the year.

During two days of conferences and site visits, participants discovered how Marseille uses light to enhance its cultural heritage, optimise energy efficiency and revitalise districts.



- 140 participants from 22 countries
- 25 cities and 19 associated members represented
- Programme highlights:
  - Marseille's urban development
  - Euroméditerranée urban renewal zone and its lighting plan
  - Light as a tool for renewal and beautification of the urban landscape
  - Marseille-Provence 2013, European Capital of Culture
  - Photonic industry potential in the region

*Organised with the support of LUCI associated members: Philips, Blachère and Cluster Lumière*







*“The expertise and renown of LUCI combined with Marseille’s dynamism resulted in an event that reaffirmed the international attractiveness of our city”*

*“The LUCI City under Microscope is the happy outcome of Marseille’s many years of involvement in the network. The expertise and renown of LUCI combined with Marseille’s dynamism resulted in an event that reaffirmed the international attractiveness of our city.*

*Enriching discussions resulted from the presentation of the lighting plan of Marseille and the demonstration of the organic relationship between the city lighting strategy and its image. Through the proposed programme, we sought to present various nocturnal atmospheres and reveal the potential of Marseille regarding technological innovations.*

*On the occasion of Marseille - Provence 2013, European Capital of Culture, we also wanted to emphasize the role of light in the cultural renewal of the city.*

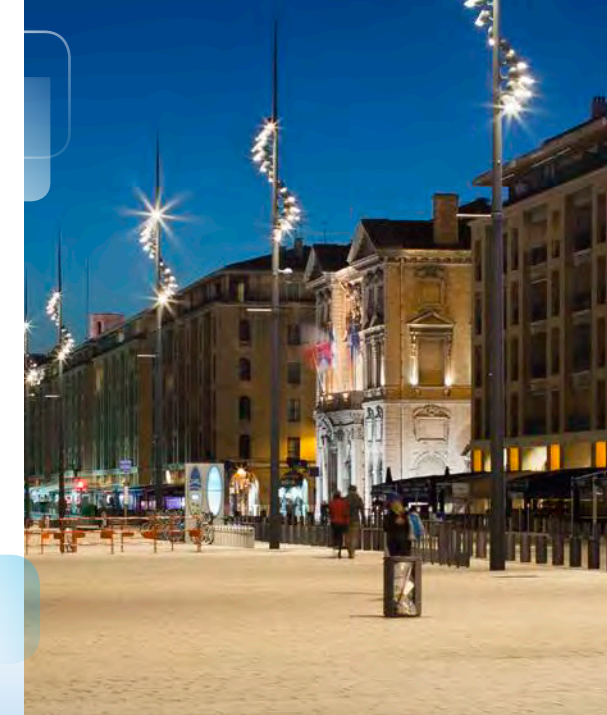
*I am pleased to see that the lighting strategy and projects of Marseille are the subject of multiple requests for information and new offers of collaboration. This convivial event will have deepened friendships and, we hope, have given participants a real desire to further discover our city!”*

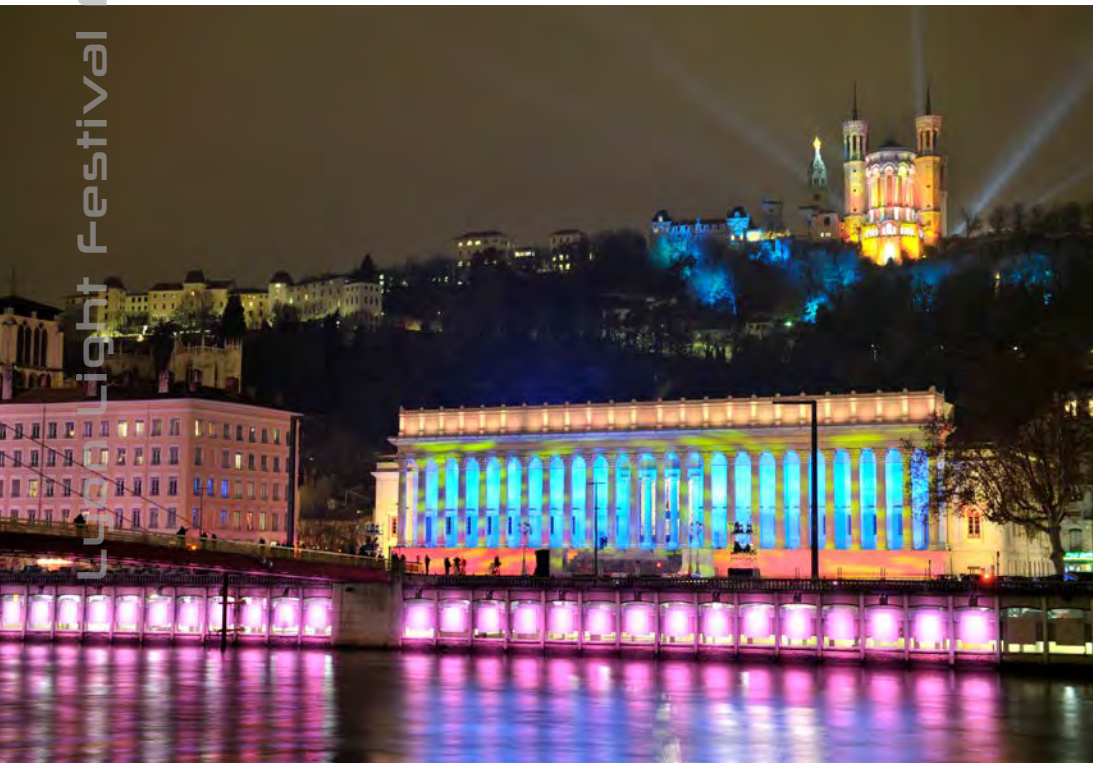
**Hélène Venturino**

Municipal Councillor of Marseille in charge of renewable energies, public lighting and illuminations

Several site visits gave participants the opportunity to discover some of the major lighting and urban development projects in Marseille:

- the new lighting scheme of the Old Port,
- the dynamic lighting of the Opera, the Saint Victor Abbey and the Palais du Pharo,
- the Euromediterrannée zone and Velodrome Stadium.





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.



### The Lyon Light Festival Forum Conferences

A unique opportunity for participants to address major issues related to event lighting, the conferences focused on two themes: "Light Festivals, dealing with success" and "Video-mapping, a disregard for monuments or a real creative approach?"

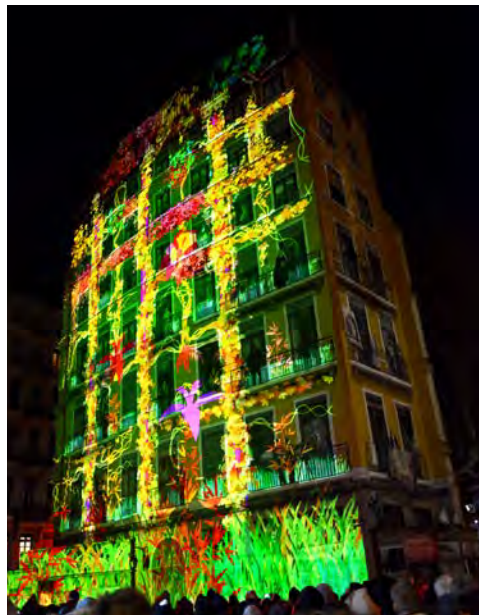
- 180 participants
- 35 cities and 22 associated members
- Programme highlights:
  - Lyon Light Festival Forum Conferences
  - International Platform for Light Festivals
  - Schröder / LUCI Auroralia award ceremony





## The International Platform for Light Festivals

The International Platform for Light Festivals, initiated by the City of Lyon and LUCI in partnership with Cluster Lumière, aims to encourage exchange of experiences and stimulate international projects. The 2013 edition once again enabled several light artists/designers and cities/light festival organisers to meet, present their projects and explore potential new collaborations.



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.

## Trade fairs



May 2013

### Lumiville

/ Lyon (France)

LUCI occupied a stand at the Lumiville international trade fair on outdoor and public lighting.

### guangzhou international lighting exhibition

广州国际照明展览会

June 2013

### Guangzhou International Lighting Exhibition

/ Guangzhou (China)

LUCI participated in the Lighting Design Gallery at the Guangzhou International Lighting Exhibition (GILE), Asia's largest lighting industry forum.

## Conferences and events



June 2013

### Conferences on "Cities of Tomorrow"

/ Yokohama-Tokyo (Japan)

LUCI presentations on the social dimensions of light and on the impact of light festival on cities at this series of conferences organised by the French Institute of Japan.



June 2013

### European Sustainable Energy Week 2013

/ Brussels (Belgium)

LUCI involved in the conference on "Innovative and high quality LED lighting in cities". High profile examples showcased, including a presentation by the City of Rotterdam.



October-November 2013

### PLDC - Professional Lighting Design Convention

/ Copenhagen (Denmark)

LUCI partner of this biannual event featuring over 70 presentations on different aspects of light and lighting.

October 2013

### Light in the City

/ Hasselt (Belgium)

Supported by the "Europe for Citizens" programme, and coordinated by the City of Jyväskylä, the first Light in the City seminar was held in Hasselt. LUCI is the communication associate in this project which aims to raise awareness on urban lighting through conferences, workshops and Guerrilla Lighting sessions.



November 2013

### Forum LED Europe

/ Paris (France)

LUCI involved as chair of the session on "LED in public lighting, from analysis to experience feedbacks" showcasing the lighting strategies of Eindhoven, Venice and Copenhagen.



# PROGRESSING TOGETHER

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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, more sustainable use of light.

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# 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 2013, four Commissions were active within LUCI and one new Commission was created.



## Culture Commission led by the City of Glasgow

Following the 2011 report on the economic and cultural benefits of light festivals for host cities, the Culture Commission continued to work with Cambridge Policy Consultants in order to elaborate a methodological toolkit to help cities evaluate the impacts associated with staging light festivals and events. This methodological toolkit was finalised in spring 2013 and is available to LUCI members on the LUCI website.



## Charter on Urban Lighting Commission led by the City of Leipzig

The Commission aims to help signatory cities of the "LUCI Charter on Urban Lighting" evaluate the progress of their public lighting policies in regards to the principles of the Charter. A public lighting survey was elaborated in collaboration with Professor Alexander Schmidt from the University of Duisburg Essen (Germany). In 2013, almost 20 surveys were collected and the University made an analysis of this data and information. The results of the survey were presented at the AGM 2013 in Guangzhou. The final report is available for all LUCI members in the Members Area.



### Sustainable Innovation Commission led by the City of Eindhoven

Within this Commission (previously named Sustainable Development Commission) Eindhoven proposes to share with LUCI members the knowledge developed within the EU projects on lighting that it is involved in, among which BLISS (Better Lighting for Sustainable Streets) which will hold its final event in 2014, and the new ENIGMA project on pre-commercial procurement for cities. The Commission will also continue to ensure the development of the LUCI / PLUS best practice database, notably by using social networks to further disseminate the best practices identified and by setting up a jury to select new best practices to update the database.



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

The Light and Art Commission which brings together 6 cities from LUCI, organised 3 meetings in 2013. Its main objective is to help these cities learn from each other on the theme of light and art in the urban space. This will be done through the exchange of experiences based on one identified project in each participating city. In 2014 a survey will be disseminated in order to identify the issues that cities need to take into account when undertaking permanent light and art projects, and provide examples of solutions on how to bring art and light into the public sphere.



### *New Commission in 2013*

#### International Solidarity Commission

Initiated by LUCI honorary members, the International Solidarity Commission aims to bring support to developing cities on their urban lighting strategies and projects. Its main activities will be to bring advice to cities that require it, and also to support the LUCI team in the other international cooperation projects it is involved in. Beyond this, the Commission will also contribute to LUCI's reflection on initiating new actions aimed at supporting developing cities.

**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.**

# ENIGMA

## Objective

Through the ENIGMA project, city partners will initiate a joint transnational PCP process resulting in innovative solutions and radical improvements to city environments. ENIGMA aims to stimulate research and development by asking the industry to develop new products that respond to multiple societal needs linked to public lighting and integrated services.

## Activities

The consortium will draft references for an open call for innovative public lighting solutions and then organise successive selections of the proposed products. The five pilot cities will test these solutions via prototypes and small-scale implementation in specific areas in their municipality.

## Partners

The cities of Eindhoven (coordinator), Malmö, Stavanger, Espoo and Bassano del Grappa, are supported in this project by ten knowledge and networking partners: Aalto University, TNO, Lund University, Technical University of Eindhoven, NL Agency, AIAQS, Innova, Eurocities, ICLEI and LUCI.



## LUCI in ENIGMA

LUCI is mainly involved in the communication and dissemination activities of ENIGMA. Throughout the project, LUCI will also invite its member cities to participate, learn and exchange on PCPs and lighting innovations through various activities.

The project will notably offer opportunities by:

- Providing training sessions and information on lighting innovations
- Organising study visits and work shadowing visits
- Developing a learning platform on PCP and lighting
- Making available standard procedures for transnational PCPs



**Programme:** FP7

**Total budget:** € 5.4 Million€

**Launch date:** October 2013

**Duration:** 3 years

**Website:** [www.enigma-project.eu](http://www.enigma-project.eu)



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

## Objective

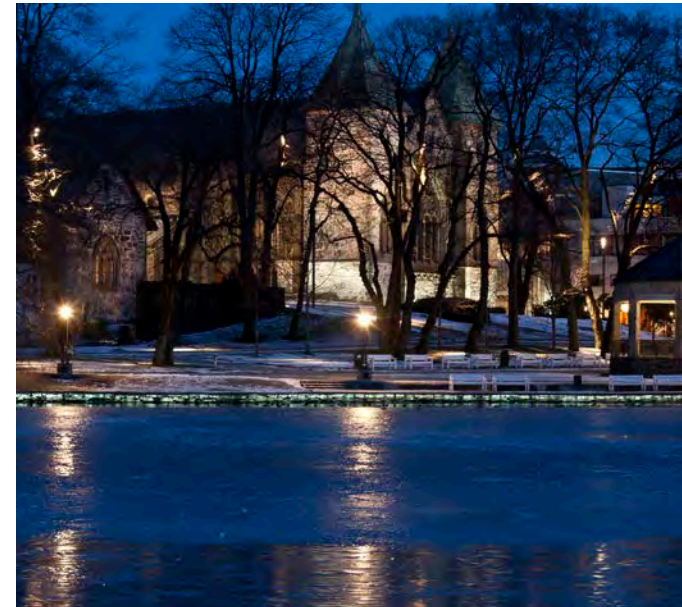
SSL-erate aims to develop a holistic approach to promote the uptake of SSL to all stakeholders along the extended value chain. The project focuses on identifying green business development opportunities for SSL as well as on defining and validating insights on lighting effects on health and well-being. It will support effective open collaboration and accelerate deployment of value enhancing SSL solutions.

## Activities

Among the other activities planned, local workshops will be held to identify green business development opportunities for SSL, and a joint map will be realised. Activities will be implemented to raise awareness of the effect of lighting on health and well-being in various application fields such as education, hospitals, work places, the urban environment, etc. An inventory will also be made of the research in this domain. Based on this work, and by applying open innovation approaches and tools, SSL-erate will organise business development experiments. The various stakeholders involved will also contribute to the creation of a web-based lighting innovation platform "Lighting for People".

## Partners

Coordinated by TNO, the project involves 24 partners representing the lighting industry, research organisations as well as public authorities with the cities of Stavanger, Bassano del Grappa, Malmö and Eindhoven.



## LUCI in SSL-erate

LUCI will bring together existing knowledge on SSL lighting within cities and disseminate the project's results and outputs. LUCI will specifically focus on the topics related to outdoor lighting within SSL-erate.



Programme: FP7

Total budget: € 4.6 Million€

Launch date: November 2013

Duration: 3 years

Website: [www.ssl-erate.eu](http://www.ssl-erate.eu)

In line with their commitment to extend the benefits of urban lighting to the inhabitants of cities in developing countries, LUCI and Thorn have joined forces to launch LightLinks. Led in collaboration with CLSF, this initiative promotes international solidarity by supporting the cooperation between cities from developed and developing countries on urban lighting projects.



## Glasgow / Buffalo City project

LightLinks is currently supporting a lighting cooperation project between the cities of Glasgow (U.K.) and Buffalo City (South Africa).

The project concerns two sites: the City Hall building and the Mdanstane Arts Centre. Following the design phase, lighting equipment from Thorn was sent on site and installation was completed in 2013.

The inauguration of the projects is planned for 2014!

Organised with: **THORN**



## A word from the partners

*"It has been a great privilege to work with colleagues in Buffalo City and to share our knowledge. It has shown us that every circumstance is different and the challenges that we all face to achieve these projects depend upon many different factors. All the partners in the project have worked well together to make a difference, and to demonstrate the values of LUCI and all that we wish to achieve as an Association."*

**Councillor Allan Stewart,**  
Glasgow City Council

*"The second LightLinks project reached finalisation with the lighting of the Mdantsane Arts Centre and the City Hall. Local engineers worked together with the team from Thorn Lighting, LUCI and Glasgow City to install the two schemes with great results. Both installations look great and bring quality lighting approaches to attract tourism and to enable the arts. We introduced innovative design and technology to the local team and in return they educated the LUCI experts in the ways of South Africa. Definitely a winning project for all concerned."*

**Iain Macrae,**  
Head of Global Lighting Applications  
Management, Thorn Lighting

## New call for LightLinks in 2014!

After completion of the two first LightLinks projects, a new call for projects will be launched in 2014. In a slightly new format, Thorn and LUCI will continue to bring their support to a city in the implementation of an urban lighting concept contributing to the social development of an area.

In collaboration with:



# PROMOTING BEST PRACTICES

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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 helps cities capitalise on existing knowledge and experiences, and supports them in the development of their urban lighting strategies.

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### First prize



**Rietberg (Germany)** Rietberg historical city centre

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.

<http://www.luciassociation.org/citypeoplelight.html>

**17** entries  
in 2013

### Second prize



**Seoul (South-Korea)**  
Yeoui central river park

### Third prize



**Geneva (Switzerland)**  
Saint Gervais district

Organised with: **PHILIPS**

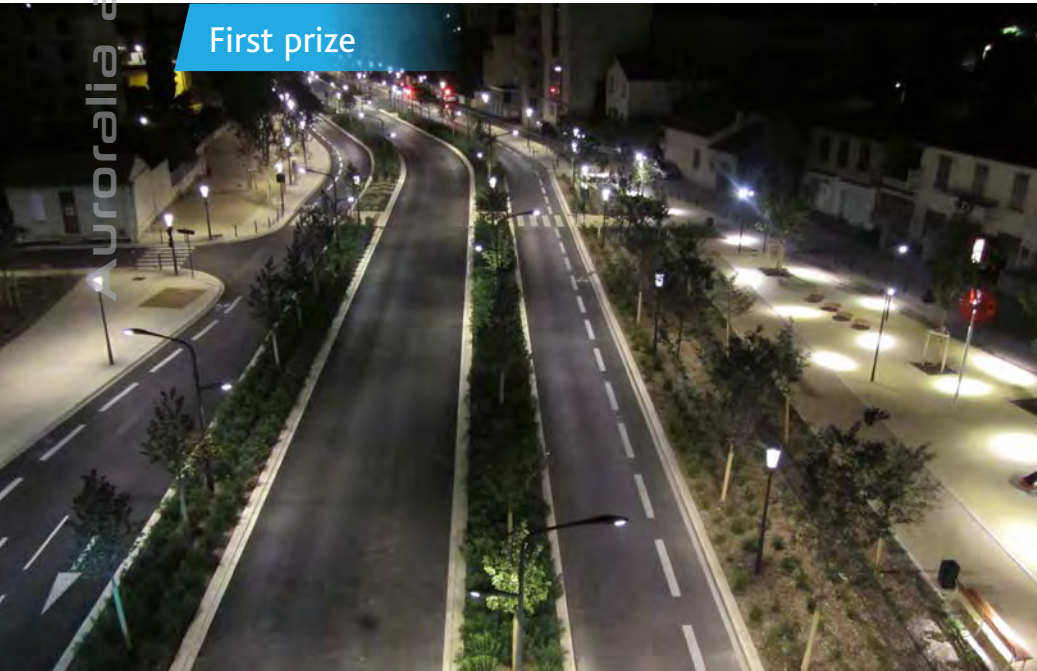
### Special mentions:

**Wuppertal** (Germany)  
and **Zhengzhou** (China)

### JURY MEMBERS 2013

- Rafael Gallego, Lighting Designer, Aureolighting, Madrid (Spain)
- Frédéric Couton, Project Manager, Architect and Urban Planner, City of Marseille (France)
- Richard Wang, Lighting Design Director, Shanghai ATL Lighting Design Co., Ltd. (China)
- Zoltan Pap, Managing Director of Budapest Flood and Public Lighting Limited (Hungary)
- He Wei, Assistant Professor, School of Architecture, Central Academy of Fine Arts, Beijing (China)
- Paco Bunnik, Architect and Urban Designer, City of Amsterdam (The Netherlands)

## First prize



**Nîmes (France)** Innovative street lighting for a new bus service

## Third prize



**Durham (England)** Durham Castle and Cathedral

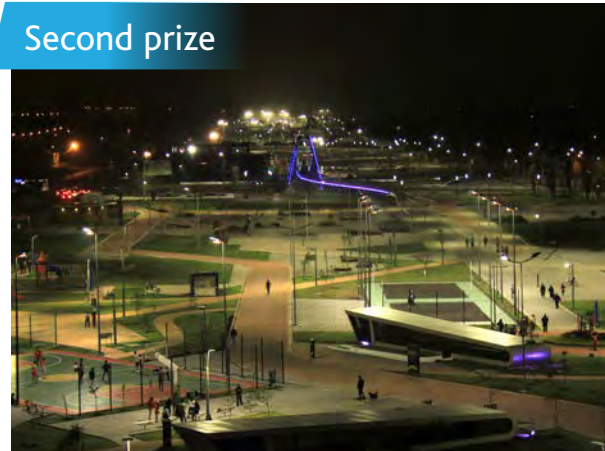
The Auroralia competition, initiated by Schröder and LUCI, rewards cities that have implemented high quality exterior lighting projects that minimise their environmental footprint in the most noticeable, exemplary and original way.

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

<http://www.auroralia.org/>

**26 entries**  
in 2013

## Second prize



**Ibarra (Ecuador)** Parque Bulevar Centrica

Organised with:



**Special mention:**

**Heidelberg (Germany)**

### JURY MEMBERS 2013

Tom Rampelbergh, LIGHTpartner, Editor / Paul James, Mondo Arc, Publisher / Editor /  
Britta Hoelzemann, LICHT, Editor / Albert Punsola, Ciudad Sostenible, Editor /  
Charlotte Fauve, Ecologik, Head of Lighting Section / Maury Wright, LEDs Magazine,  
Editor-in-Chief / Olivier Namias, LUX, Chief Editor / Giacomo Rossi, Luxemozione, Editor

Through its reports and publications LUCI aims to bring together the wealth of knowledge existing within the network, and to promote exemplary practices on various issues related to lighting. These initiatives include contributions from cities worldwide as well as universities, lighting designers and other lighting professionals.



### LUCI, Cities in a New Light

Marking the network's 10th anniversary, this publication brings together the cities and people that have made the LUCI network over the past 10 years, and their vision on lighting. The wide diversity of topics covered attests to the multitude of approaches and points of view that exist on light.

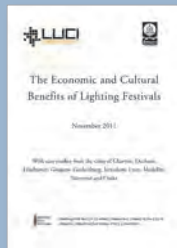
105 pages – English – 2012



### Light as a Tool for Tourism Development

This book identifies key factors that determine how a lighting strategy can contribute to the touristic development of a destination. The publication, which includes case studies from cities worldwide, will serve as a guide for municipalities looking to optimise their touristic potential through light. The publication was realised by Atout France in partnership with LUCI.

136 pages – English and French – 2012



### The Economic and Cultural Benefits of Lighting Festivals

This report, realised by the LUCI Culture Commission chaired by the City of Glasgow in collaboration with Cambridge Policy Consultants, contains a wealth of information on how cities measure and demonstrate the success of their events. It includes information from 26 cities hosting more than 30 light events, and 10 detailed case studies.

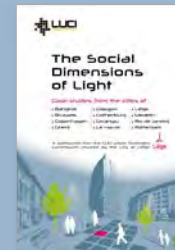
103 pages – English – 2011



### PLUS Review

This magazine, realised by LUCI within the framework of the EU INTERREG IV C PLUS project, is based on key issues evoked in the LUCI Charter on Urban Lighting, and includes exemplary practices on sustainable urban lighting from European cities.

30 pages – English – 2012



### The Social Dimensions of Light

“The Social Dimensions of Light” aims to define the concept of social lighting and draws attention to concrete experiences and exemplary practices in this domain with case studies from 12 cities worldwide. This publication was realised in collaboration with the University of Liege (LEMA), in the framework of the LUCI Urban Strategies Commission.

230 pages – English and French – 2011



### Cities and Light Planning

This publication brings together chapters by representatives from Copenhagen, Ghent, Guangzhou, Leipzig, Lyon and Paris on their respective cities' perspectives, challenges and strategies regarding light planning. It was compiled in partnership with INSA – University of Lyon (National Institute of Applied Science).

114 pages – English and French – 2010



## Newsletter

- 3 issues per year of the LUCI newsletter
- 5 language versions: English (printed), French, Spanish, Korean and Chinese

## Press coverage

LUCI members and activities are promoted through wide international media coverage



## Reports from LUCI events and conferences

PowerPoints of the conference presentations are made available to members on the LUCI extranet

<http://extranet.luciasociation.org/extranet/>



## Website

- More news and information on current events within LUCI and beyond
- Light Festival Evaluation Toolkit developed in the framework of the LUCI Culture Commission

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

## New Communication Tools



## Newsflash

A new monthly e-newsletter dedicated to LUCI members

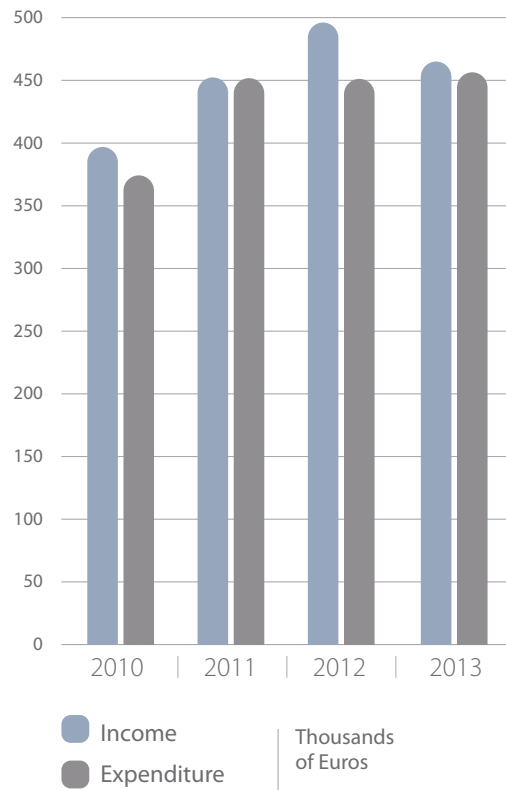


Like the LUCI page on Facebook!

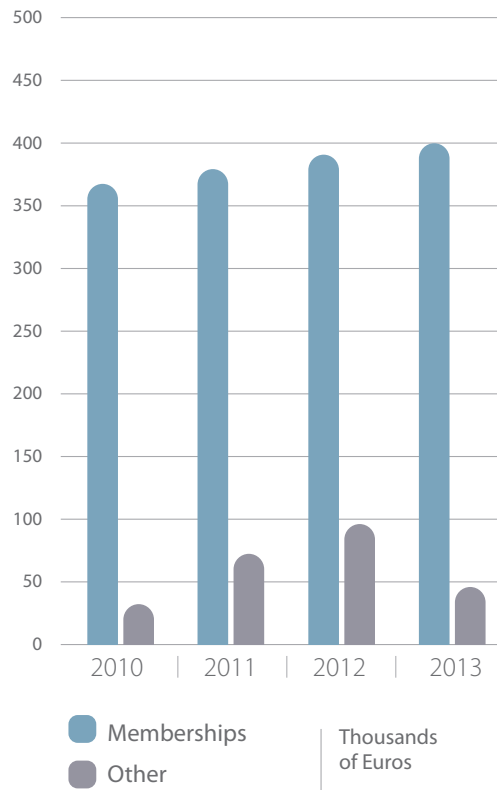


# Fast financial facts

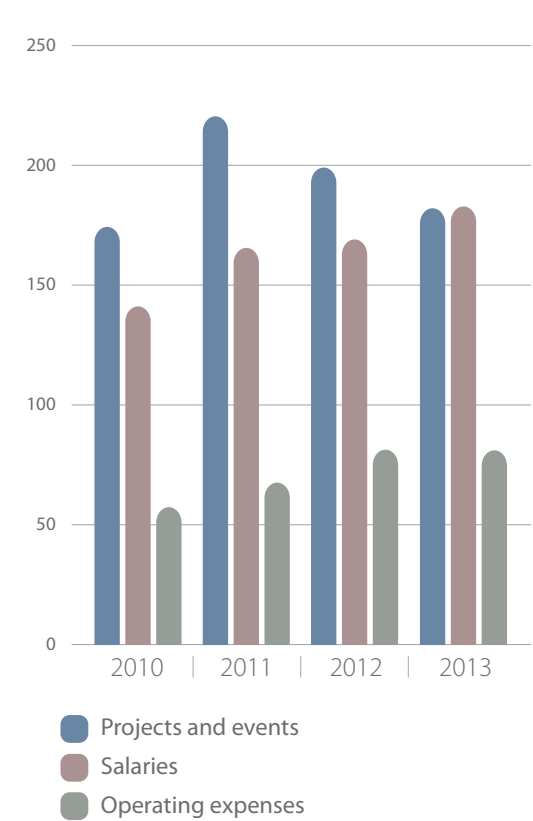
### Income and Expenditure



### Income



### Expenditure







**LUCI CITY UNDER MICROSCOPE  
ROTTERDAM** (The Netherlands)

5 - 8 March



**LUCI CITY UNDER MICROSCOPE  
ALBERTSLUND** (Greater Copenhagen - Denmark)

17 - 20 September



**LUCI ANNUAL GENERAL MEETING  
DUBROVNIK** (Croatia)

5 - 9 November



**LUCI AT THE LYON LIGHT FESTIVAL**  
(France)

5 - 8 December

## P2

- Gothenburg © FilipAndersson
- Lyon © Michel Djaoui  
Lighting design: Department of Public Lighting, City of Lyon

## P3

- LUCI EC, Guangzhou © YGLS

## P6

- Albertslund Community Centre © Albertslund Municipality
- Science and Technology Museum © City of Wuxi
- Hermitage, Amsterdam © Studio DL
- Janaki Mandir temple © City of Janakpur

## P8

- Signature of the LUCI Charter,  
Marseille © Robert Tomassian

## P9

- The Old Port, Marseille © Xavier Boymond  
Lighting design: Yann Kersalé

## P10-11

- Pearl River and Canton Tower, Guangzhou © YGLS

## P12

- Cavalry School, Valladolid © Luis Laforga
- San Gregorio College, Valladolid © CDFotografia

## P13

- Salvador Church and ARI Rondilla, Valladolid © CDFotografia
- Millenium plaza, Valladolid © www.danimantisfoto.com

## P14

- Saint Victor Abbey, Marseille © Robert Tomassian  
Lighting Design: Les Orpailleurs de Lumière
- LUCI City under Microscope, Marseille © City of Marseille

## P15

- Site visits, Marseille © Robert Tomassian
- The Old Port, Marseille © Xavier Boymond  
Lighting design: Yann Kersalé

## P16

- Banks of the River Saone, Lyon © Fred Guignard Perret  
Lighting Design : Les Orpailleurs de Lumière

## P17

- Lyon City Hall © Muriel Chaulet  
Lighting Design: De Castelbajac
- The "Mur des Lyonnais" © Muriel Chaulet  
Lighting Design: Light Event

## P18

- Hasselt © Philippe Vangelooven

## P19

- Gothenburg © Filip Andersson, Creativelight

## P20

- Drumchapel Water Tower © Glasgow City Council  
Lighting Design: Chris Stewart Architects Ltd.
- © City of Leipzig, photo Michael Ehrhrt

## P21

- © City of Eindhoven, photo V.Beeldwaren
- Gothenburg © Filip Andersson, Creativelight

## P23

- © City of Stavanger  
Lighting Design: Rambøll Denmark

## P24

- Buffalo City © Vincent Thiesson
- Buffalo City © Iain Macrae

## P25

- Seoul © cpl  
Lighting Design: Lee Yeon So, ULP Co

## P26

- Rietberg © cpl  
Lighting Design: Jochen Meyer-Brandis
- Seoul © cpl  
Lighting Design: Lee Yeon So, ULP Co
- Geneva © cpl  
Lighting Design: Les Eclairagistes Associés

## P27

- Nimes © Auroralia  
Lighting Design: Côté Lumière
- Ibarra © Auroralia  
Lighting Design: Schröder Ecuador S.A.
- Durham © Auroralia  
Lighting Design: Stainton Lighting Design Services

## P31

- Erasmus Bridge, Rotterdam © Tom Pilzecker
- © Albertslund Municipality
- © Philips Lighting / Adria Dubrovnik
- Lyon Light Festival 2012 © Fabrice Dimier  
Lighting Design: Gilbert Moity, production: En attendant





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

EXCHANGE PROMOTE PROGRESS

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