Editorial

Through its international events and activities which have brought together an exceptional amount of knowledge and experiences, LUCI has confirmed in 2011 its capacity to contribute to cities’ urban lighting strategies.

The Cities under Microscope organized in Tallinn and in Liege, as well as the Annual General Meeting in Gothenburg, have offered detailed insights on some of the major issues in urban lighting. I am also very pleased to see the first outputs from the LUCI Commissions, which have produced a report on “The Economic and Cultural Benefits of Light Festivals” and a publication on “The Social Dimensions of Light”.

By capitalizing on the LUCI Charter on Urban Lighting, launched in 2010, LUCI has also affirmed its growing influence as a global network. Officially signed by more than 30 cities, it is now used as a reference document at both local and international levels. In particular, it constitutes the backbone of the EU INTERREG IVC PLUS project on sustainable lighting, in which LUCI is involved as communication partner, and which has boosted our network’s communication tools.

Finally, I am particularly proud of the inauguration of the first LightLinks project between Lyon and Jericho. I am also pleased that work is progressing on the second LightLinks project between Glasgow and Amathole, and I look forward to the launch of the third LightLinks project in 2012.

As LUCI will be celebrating its 10th anniversary at its next Annual General Meeting in Medellin (Colombia), we are looking forward to seeing these events and projects continue to raise awareness, inspire and support cities in their commitment to a better, more rational and sustainable use of light.

Councillor Allan Stewart
Deputy Lord Provost of Glasgow
President of LUCI

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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 64 municipalities across the world engaged in using light as a tool for sustainable urban development. It also includes 35 lighting professionals and companies as associated members.

www.luciassociation.org

The LUCI team

LUCI is composed of a permanent staff of three persons.
Albane Tabaka has joined LUCI as Project Manager to replace Raphaëlle Leclerc who left her position in January 2012.

Alexandre Colombani
General Manager

Albane Tabaka
Project Manager

Nikita Junagade
Communication Officer
In accordance with the LUCI statutes established at the San Luis Potosi Annual General Meeting in 2008, the year 2011 saw the first renewal of the LUCI Executive Committee by one third. Three new Executive Committee members were elected for three years at the Gothenburg AGM: the Cities of Lyon (re-elected), Gothenburg and Seoul.

LUCI is governed by an Executive Committee composed of nine city members (voting members):
- Glasgow (UK)
- Ghent (Belgium)
- Hamburg (Germany)
- Chartres (France)
- Gothenburg (Sweden)
- Gwangju (South Korea)
- Liege (Belgium)
- Lyon (France)
- Seoul (South Korea)

It also includes three representatives from amongst the associated members (non voting members):
Philips | Schréder | Thorn Lighting
64 member cities  35 associated members
64 member cities *

- Abomey (Benin)
- Abu Dhabi (United Arab Emirates)
- Ans (Belgium)
- Batumi (Georgia)
- Brussels (Belgium)
- Bucharest (Romania)
- Budapest (Hungary)
- Burgos (Spain)
- Changwon (South Korea)
- Chartres (France)
- Dubrovnik (Croatia)
- Eindhoven (The Netherlands)
- Ghent (Belgium)
- Geneva (Switzerland)
- Gimhae (South Korea)
- Glasgow (United Kingdom)
- Gothenburg (Sweden)
- Guangzhou (China)
- Guadalajara (Mexico)
- Gwangju (South Korea)
- Hamburg (Germany)
- Helsinki (Finland)
- Helsingborg (Sweden)
- Ho Chi Minh (Vietnam)
- Hue (Vietnam)
- Jelenia Góra (Poland)
- Jericho (Palestinian Territories)
- Jerusalem (Israel)
- Jyväskylä (Finland)
- Le Havre (France)
- Leipzig (Germany)
- Liège (Belgium)
- Lyon (France)
- Malaga (Spain)
- Marseille (France)
- Medellin (Colombia)
- Milan (Italy)
- Montreal (Canada)
- Morelia (Mexico)
- Moscow (Russia)
- Nanjing (China)
- Osaka (Japan)
- Oslo (Norway)
- Ouagadougou (Burkina Faso)
- Paris (France)
- Pau (France)
- Perth (Australia)
- Putrajaya (Malaysia)
- Rabat (Morocco)
- Ramallah (Palestinian Territories)
- Rotterdam (The Netherlands)
- Rome (Italy)
- Saint Etienne Métropole (France)
- Saint Paul de Vence (France)
- Seoul (South Korea)
- Shanghai (China)
- Stavanger (Norway)
- Tallinn (Estonia)
- Taxco de Alarcon (Mexico)
- Toulouse (France)
- Turin (Italy)
- Valladolid (Spain)
- Varna (Bulgaria)
- Varna (Bulgaria)
- Yerevan (Armenia)

35 associated members *

- Alain Guilhot Lumière
- ARTLUMIERE
- Artichoke
- Aubrilam
- Blachère Illumination
- Budotechnika
- CDO LumiVille
- Citelum
- Cluster Lumière
- Cobalt
- Côté Lumière
- Danish Lighting Innovation Network
- Eandis
- INSA Lyon
- GE Lighting
- Inéo
- Institute of City Planning - Duisburg Essen
- L’Acte Lumière
- Leipziger Leuchten
- Les Eclaireurs
- Messe Frankfurt
- Moment Factory
- Partenariat du Quartier des spectacles - Montréal
- Philips Lighting
- Phoenix Communications
- Orpin de Lune
- Radiance 35
- Sapa Pole Products
- Schréder
- Thorn Lighting
- VNIIS
- Winter Magic Amsterdam
- Xavier de Richemont
- Yang Guang Lighting Service
- ZHONGTAI Lighting

* as of January 2012 (new members in red)
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.

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

Signatory cities

One year after its presentation, almost half the LUCI member cities have signed the Charter, and many others have committed to sign it in the coming year at the next LUCI Annual General Meeting in Medellin (Colombia) in November 2012.

At the moment there are 30 signatory cities, 7 of which engaged themselves in 2011.

- Brussels (Belgium)
- Budapest (Hungary)
- Chartres (France)
- Changwon (Korea)
- Eindhoven (The Netherlands)
- Ghent (Belgium)
- Glasgow (U.K.)
- Gothenburg (Sweden)
- Guadalajara (Mexico)
- Gwangju (Korea)
- Hamburg (Germany)
- Helsinki (Finland)
- Jerusalem (Israel)
- Leipzig (Germany)
- Le Havre (France)
- Liège (Belgium)
- Lyon (France)
- Morelia (Mexico)
- Moscow (Russia)
- Osaka (Japan)
- Pau (France)
- Paris (France)
- Puebla de Los Angeles (Mexico)
- Rabat (Morocco)
- Rotterdam (The Netherlands)
- Seoul (Korea)
- Saint Etienne Métropole (France)
- Saint Paul de Vence (France)
- Taxco de Alarcon (Mexico)
- Tallinn (Estonia)

Cities that signed in 2011 are in bold.
Key event of the LUCI calendar, the Annual General Meeting (AGM) is the occasion to hold conferences, LUCI Commission meetings and the city.people.light award ceremony, as well as to discover the host city and its lighting policy. After Gwangju (Korea) in 2009 and Chartres (France) in 2010, cities and lighting professionals worldwide were invited to Gothenburg (Sweden) for the LUCI AGM 2011.

AGM 2011 in Gothenburg (Sweden)  
16th to 19th November 2011

- 145 participants
- 28 cities and 18 associated members represented
- Signature of the LUCI Charter on Urban Lighting by new cities
- 8 conference sessions on lighting design, projects and temporary events in Gothenburg
- 3 Commission meetings:
  - The economic and cultural benefits of lighting festivals  
    Culture Commission chaired by the City of Glasgow
  - Evaluating sustainable lighting strategies  
    LUCI Charter on Urban Lighting Commission chaired by the City of Leipzig
  - PLUS – Public Lighting Strategies for Sustainable Urban Spaces  
    Sustainable Lighting Commission chaired by the City of Eindhoven
- 10 presentations during the speed networking session
  Jyväskylä / Geneva / Medellin / Guangzhou / Taxco de Alarcon / Eindhoven
  / Gothenburg / Varna / Rotterdam / Dansk Lys and Cluster Lumière
- Philips / LUCI city.people.light award ceremony

Organized with the support of LUCI associated members: Blachère, Philips and Thorn
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 two Cities under Microscope of 2011 were held in Tallinn (Estonia) and Liège (Belgium).

City under Microscope in Tallinn (Estonia)
2nd to 5th February 2011
- 102 participants
- 19 cities and 10 associated members represented
- Themes and highlights:
  - The past and present of street lighting in Tallinn
  - LED test street project and results
  - The lighting design process for Tallinn’s town hall square
  - Festivities of the Fire and Ice

Organized with the support of LUCI associated members: GE Lighting and Philips
City under Microscope in Liège (Belgium)
28th September to 1st October 2011

- 89 participants
- 19 cities and 12 associated members represented

Themes and highlights:
- Liège lighting masterplan
- Focus on social lighting:
  - Presentation of the LUCI publication “The Social Dimensions of Light”
  - Conference on “Social lighting” with presentations from Rotterdam / Le Havre / Bangkok / Ghent / Rio de Janeiro
  - Social lighting workshop and Guerrilla Lighting in Sclessin with the Social Light Movement
- Lighting event in Liège: “La nocturne des coteaux de la Citadelle”

Organized with the support of LUCI associated members: Philips and Schréder
The LUCI program at the Lyon Light Festival in December is the fourth highlight of the LUCI calendar. Every year, LUCI offers its members a special program of conferences and events including the “Rencontres de la Lumière” conference organized in collaboration with the City of Lyon.

**LUCI at the Lyon Light Festival 2011 (France)**
7th to 10th December 2011

- 216 participants
- 32 cities and 20 associated members represented
- A program including:
  - The “Rencontres de la Lumière 2011” conference on the theme “Lighting and bringing the city to life with the inhabitants”
  - A meeting with the artists, lighting designers and organization team of the Lyon Light Festival
  - The Auroralia award ceremony organized by Schréder and LUCI
  - ForumLED conference and exhibition
LUCI partnerships with trade fairs

**LumiVille**
/ Lyon (France)
May 2011

- LUCI stand at the “Cities of Light area” with the cities of Chartres, Eindhoven, Lyon, Toulouse, Birmingham, Montreal, Iasi, Eindhoven and Valladolid, as well as PLUS, the INTERREG IVC EU project

- LUCI conference on “City marketing and urban lighting”

**Guangzhou International Lighting Exhibition**
/ Guangzhou (China)
June 2011

- LUCI stand and exhibition at the “Lighting Design Gallery”

LUCI partnerships in conferences and events

**Guangzhou Light Festival**
/ Guangzhou (China)
September 2011

**Moscow Light Festival**
/ Moscow (Russia)
October 2011

**PLDC 2011**
/ Madrid (Spain)
October 2011

**ForumLED Europe**
/ Lyon (France)
December 2011
LUCI Commissions are created upon proposal from a city and 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, more sustainable use of light.

**Five Commissions** have been active within LUCI in 2011:

**Urban Strategies**
*led by the City of Liège*

Since 2009 the Urban Strategies Commission has been specifically focused on the social aspects of light. The Commission, in partnership with the University of Liège (LEMA), has worked on a publication that aims to define and illustrate this new concept, through exemplary and innovative experiences worldwide. The publication, entitled “The Social Dimensions of Light”, was presented during the LUCI City under Microscope in Liège in September 2011.

**Culture**
*led by the City of Glasgow*

The Culture Commission explores the use of lighting to reinforce a city’s culture and history. In 2010 it initiated a research project to evaluate the economic and cultural benefits of light festivals for host cities, in cooperation with the Cambridge Policy Consultants agency. The final report of this study focuses on 10 case studies worldwide (Chartres, Durham, Eindhoven, Glasgow, Gothenburg, Jerusalem, Lyon, Medellin, Montreal and Osaka). It was presented at the LUCI AGM 2011 in Gothenburg, where the participants were invited to discuss the various recommendations made on the evaluation of light events.
Charter on Urban Lighting
led by the City of Leipzig

Launched in 2010, the LUCI Charter on Urban Lighting has been signed by over 30 cities to date. It commits cities to evaluate the progress of their public lighting policies with regard to the principles of the Charter. In collaboration with Professor Alexander Schmidt from the University of Duisburg Essen (Germany), the Charter on Urban Lighting Commission is therefore currently working on the elaboration of a public lighting survey for signatory cities. The analysis of the survey results will be presented at the LUCI Annual General Meeting 2012 in Medellin (Colombia).

Sustainable Lighting
led by the City of Eindhoven

The City of Eindhoven is involved in two EU projects on the topic of sustainable lighting - BLISS (Better Lighting for Sustainable Streets) and PLUS (Public Lighting Strategies for Sustainable Urban Spaces). In the framework of this Commission, Eindhoven aims to share the knowledge developed within these two programmes with LUCI members. The LUCI AGM 2011 was the occasion to present the first outputs and results of PLUS, with a presentation on the use of LEDs for public lighting in Lyon, one of the partner cities in the project.

Tourism and Lighting
led by the City of Chartres

Launched in 2011, this Commission aims to identify the key factors that determine how a lighting strategy can contribute to the touristic development of a destination. It has involved LUCI member cities in a publication on the topic of tourism and lighting, realized in partnership with Atout France (the national promotional agency linked to the French Ministry of Tourism).

The Commission will present the results of this work including testimonies and case studies from all over the world, at the LUCI Annual General Meeting in Medellin 2012.
PLUS (Public Lighting Strategies for Sustainable Urban Spaces), financed by the EU’s INTERREG IVC programme, capitalizes on existing urban lighting best practices in European cities. The project aims to help cities develop their lighting policies in order to implement energy efficient lighting solutions. The City of Eindhoven is the lead partner of this project which involves 11 cities across Europe, as well as LUCI.

As the partner in charge of communication, LUCI has been able to initiate various new tools and activities:

- **Inclusion of four additional pages on sustainable lighting in the LUCI newsletter**
- **Organisation of three conferences**
  - Presentation of the PLUS best practice exchange methodology at the City under Microscope in Tallinn.
  - The “PLUS briefing” on sustainable lighting organized in Brussels (28 September 2011).
  - Conference on LEDs in public lighting at the Gothenburg Annual General Meeting 2011.
- **PLUS website including**
  - An urban lighting best practice database, the “PLUS showcase” which brings together 25 exemplary urban lighting experiences initiated by municipalities worldwide.
  - News, information and articles on current issues in sustainable lighting.
  - Links to other EU and international projects and initiatives in sustainable urban lighting.

**Partners:**
Eindhoven / Bassano del Grappa / Birmingham / Burgos / Iasi / Leipzig / Lyon / Nice / Patras / Sofia / Tallinn / LUCI

**Programme**
INTERREG IV C

**Total budget**
1 689 508 €

**Duration**
October 2010 to December 2012
As part of their commitment to extend the benefits of urban lighting to the inhabitants of cities in developing nations, LUCI and Thorn have joined forces to launch LightLinks. Through this initiative, Thorn and LUCI, in collaboration with CLSF, promote international solidarity by supporting the cooperation between cities from developed and developing countries on urban lighting projects.

In 2011, LightLinks inaugurated its first project in Jericho!

**First LightLinks project**
**Lyon (France) / Jericho (Palestine)**

The new illumination scheme for Hisham’s Palace was inaugurated on the 12th of May 2011. This first LightLinks project linked the cities of Jericho and Lyon, to illuminate Jericho’s famed archaeological sites - Hisham’s Palace and the “Tree of Life” fresco. The project has brought these areas to life at night and will surely stimulate tourism and positively impact the local community.

**Second LightLinks project**
**Glasgow (UK) / Amathole (South Africa)**

The LightLinks team is currently working on helping the City of Amathole illuminate three historical sites – the City Hall, the Art Centre in Mndantsane and potentially, the Steve Biko bridge. The project is entering its final phase with a field trip planned for spring 2012 to conduct lighting tests and information workshops.
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 that re-humanizes the urban landscape. Over the years, this annual competition has gained an international reputation with more than 192 entries since its creation.

First Prize: Valladolid (Spain) The “Rivers of Light” project

Second prize: Rotterdam (The Netherlands) The “Broken Light” project

Third prize: Kanazawa (Japan) Lighting for the Kanazawa Castle Park

Special mention: Le Havre (France) “The Wave” lighting project

Jury 2011
- Jaime Briales
  Director of the Municipal Energy Agency of Malaga
- Joël Lavergne
  Director of the Public Lighting Department, City of Toulouse
- Anna Shakparunyants
  General Director, Russian Lighting Research Institute
- Prof. Volker von Kardorff
  Lighting Designer, Kardorff Ingenieure
- Maarten van de Voorde
  Architect and Urban Designer, West 8

The Auroralia competition, initiated by Schréder 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 specializing in environment, urban planning and lighting design.

Auroralia award

Jury 2011
- Jean-Philippe Cols
  Paysage Urbain, Editor in Chief
- Carlos Marti
  Ciudad Sostenible, Director
- Clémence Mathieu
  Ecologik, Assistant Editor
- Marco Palandella
  LUCE e Design, Lighting Designer & Editorial Contributor

19 entries in 2011

http://www.auroralia.org/

First Prize: Arraiolos (Portugal) LED lighting of the historical city centre

Second prize: Nivelles (Belgium)
New lighting plan “Nivelles, Heart of light” for the main city square

Third prize: St Helens (UK)
Renovation of lighting around St Helen’s College

Special mention: Remchingen (Germany)
Energy efficiency programme “1000 LED luminaires for Remchingen”
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. In 2011, LUCI produced three publications:

**Cities and Light Planning**
LUCI's first publication, “Cities and Light Planning”, was presented during the 2010 “Rencontres de la Lumière” conference. Based on presentations made at LUCI conferences in 2009, the publication brings together chapters by representatives from Paris, Copenhagen, Lyon, Guangzhou, Leipzig and Ghent on their respective cities’ perspectives, challenges and strategies regarding light planning.

The publication was compiled by LUCI in partnership with the INSA Lyon (National Institute of Applied Science).

114 pages – English and French

**The Social Dimensions of Light**
LUCI’s second publication was presented in 2011 during the City under Microscope in Liège. It was realized in collaboration with the University of Liège (LEMA), in the framework of the LUCI Urban Strategies Commission chaired by the City of Liège. “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 world-wide such as Medellin, Bangkok, Rotterdam, Gothenburg, Gwangju, Brussels, Rio de Janeiro and Le Havre, among others.

230 pages – English and French

**The Economic and Cultural Benefits of Light Festivals**
This report is the result of a study realized by the LUCI Culture Commission chaired by the City of Glasgow, in collaboration with Cambridge Policy Consultants. Through contacts with 26 cities hosting more than 30 light events and detailed case studies from 10 cities (Chartres, Durham, Eindhoven, Glasgow, Gothenburg, Jerusalem, Lyon, Medellin, Montreal and Osaka), the Commission has collected a wealth of information on how cities measure and demonstrate the success of their events. This report was presented at the LUCI Annual General Meeting 2011 in Gothenburg.

103 pages – English
**Newsletter**

- 3 issues per year of the LUCI newsletter
- 4 language versions: English (printed), French, Spanish and Korean
- New design and page layout in 2011
- Inclusion of 4 pages on sustainable lighting in the framework of the PLUS project

**Press coverage**

LUCI promotes its members and activities through the international media coverage it receives.

**Website**

New LUCI website in 2011

- New space for LUCI members and associated members
- More news and information on current events within LUCI and beyond
- New best practice database initiated in the framework of the PLUS website

www.luciassociation.org

**Reports from LUCI events and conferences**

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

http://extranet.luciassociation.org/extranet/
Main LUCI events in 2012

City under Microscope in
Eindhoven (The Netherlands)
14 - 17 March

LUCI at Light+Building,
Frankfurt (Germany)
18 April

City under Microscope in
Jyväskylä (Finland)
19 - 22 September

Annual General Meeting 2012
in Medellin (Colombia)
14 - 18 November

LUCI program at the Lyon
Light Festival (France)
6 - 9 December

Annual General Meeting 2012
in Medellin (Colombia)
14 - 18 November
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