

CONNECTING CITIES WITH LIGHT



ANNUAL REPORT 2021



BURGER KING



STAVANGER



CONTENTS

Editorial	4	LUCI PROJECTS	28
LUCI NETWORK	5	• SMART-SPACE Project	29
• LUCI Members	6	• Lucia Project	30
• New Member Cities	8	• Light & Art in Public Spaces Project	31
• Associated Members	9	• ENLIGHTENme Project	32
• Cities commit to sustainable urban lighting	10	LUCI RESOURCES	33
LUCI PILLARS	11	• LUCI Hub	34
• Health & Wellbeing	12	• Communication & Web Tools	36
• Public Spaces	13	• LUCI in the Press	37
• Social Cohesion	14	• LUCI Publications	38
• Art & Culture	15	LUCI ORGANISATION	39
• Governance	16	• LUCI Executive Committee	40
LUCI EVENTS	17	• LUCI Board and Team	41
• LUCI City under Microscope	18	• Fast Financial Facts	42
• LUCI General Assembly	20	• 2022: Save the Dates	43
• LUCI Asia Urban Lighting Workshop	22		
• Lyon Light Festival Forum	23		
• LUCI Coffee Bre@ks	24		
• LUCI's voice on Urban Lighting	26		

EDITORIAL



Ms. Meri Lumela
 President of LUCI
 Deputy Chair of the City
 Board, Jyväskylä

The “new normal” brought on by the COVID-19 pandemic has forced us to be resilient, to adapt and continue to offer excellent services to our members and our community. I’m happy that these efforts have been saluted by the “LIT spotlight award” for LUCI’s contribution to the lighting field.

In 2021, we experimented with hybrid events, we pushed our digital strategy further, we welcomed new members, and overall, we persevered as an active network of cities and lighting professionals. Among many activities detailed in this annual report, LUCI has:

- engaged over 950 lighting professionals worldwide in its events, online and hybrid;*
- strengthened its working groups and worked towards the finalisation of two major European Cooperation projects (SMART-SPACE and Lucia);*
- continued to share more and more information on the “LUCI Hub” which now gathers over 200 users to exchange knowledge on urban lighting.*

On behalf of the LUCI Executive Committee and the LUCI team, I thank you all for your strong support and energy that reinforces our determination to build cooperation between cities around the world and improve our urban lighting policies.

Even if remote working and online meetings are now a part of our lives, we miss being able to meet face-to-face, and we really look forward to meeting more often in person, in 2022 and in the coming years.

As we prepare for LUCI’s 20th anniversary, inspired by the main trends and issues in the field, let’s continue to exchange information that will be useful for cities around the world, to build the future of urban lighting together!



LUCI NETWORK

LUCI brings together local authorities from across the world, committed to using light as a tool for sustainable development. Cities are joined by associated members, including lighting professionals, companies, and universities.

Throughout the year, LUCI creates spaces for exchange of knowledge and good practices in sustainable urban lighting.

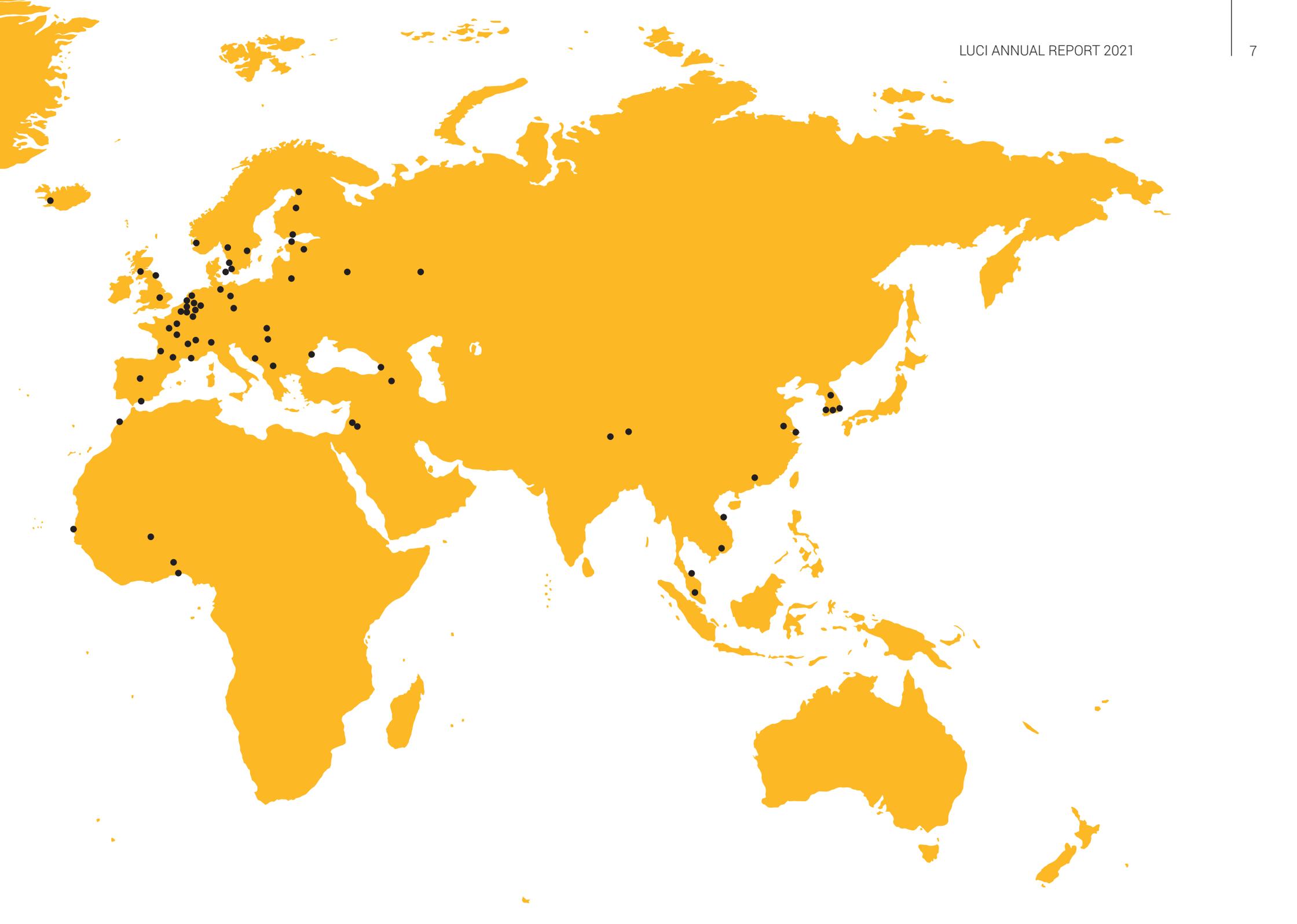
LUCI MEMBERS

68 MEMBER CITIES

- › Abomey (Benin)
- › Albertslund (Denmark)
- › Amsterdam (The Netherlands)
- › Antwerp (Belgium)
- › Batumi (Georgia)
- › Bharatpur (Nepal)
- › Bourges (France)
- › Brussels-Capital (Belgium)
- › Budapest (Hungary)
- › Busan (South Korea)
- › Chartres (France)
- › City of London Corporation (United Kingdom)
- › Copenhagen (Denmark)
- › Dakar (Senegal)
- › Dubrovnik (Croatia)
- › Durham (United Kingdom)
- › Eindhoven (The Netherlands)
- › Geneva (Switzerland)
- › Ghent (Belgium)
- › Glasgow (UK)
- › Gothenburg (Sweden)
- › Guangzhou (China)
- › Gwangju (South Korea)
- › Hamburg (Germany)
- › Helsingborg (Sweden)
- › Helsinki (Finland)
- › Ho Chi Minh City (Vietnam)
- › Hue (Vietnam)
- › Jericho (Palestinian Territories)
- › Jinju (South Korea)
- › Jyväskylä (Finland)
- › **Kazan (Russia)**
- › Leipzig (Germany)
- › Liège (Belgium)
- › Linköping (Sweden)
- › Lyon (France)
- › **Madrid (Spain)**
- › Malaga (Spain)
- › Marseille (France)
- › Medellin (Colombia)
- › Moscow (Russia)
- › Nanjing (China)
- › Novi Sad (Serbia)
- › Ouagadougou (Burkina Faso)
- › Oulu (Finland)
- › Paris (France)
- › **Pessac (France)**
- › Porto-Novo (Benin)
- › Putrajaya (Malaysia)
- › Rabat (Morocco)
- › Ramallah (Palestinian Territories)
- › Reykjavik (Iceland)
- › Rotterdam (The Netherlands)
- › Seoul (South Korea)
- › Shanghai (China)
- › Skopje (Macedonia)
- › Stavanger (Norway)
- › Strasbourg (France)
- › Tallinn (Estonia)
- › Tarakeshwar (Nepal)
- › Tartu (Estonia)
- › Taxco de Alarcón (Mexico)
- › Toulouse (France)
- › Turin (Italy)
- › Varna (Bulgaria)
- › **Vilnius (Lithuania)**
- › Yala (Thailand)
- › Yerevan (Armenia)

* New members in bold





NEW LUCI MEMBER CITIES



KAZAN (RUSSIA)

Kazan (population 1 243 000), the fifth-largest city in Russia, is situated on the Volga river and is an important connection point for East and West, North and South.

The City of Kazan has many ambitious plans linked to urban lighting, including a new light festival to be launched in 2022. The city also plans to introduce new technological solutions, expand its urban lighting area and design nocturnal illuminations of the restored and preserved archeological monuments that are among the oldest in the country.

“Our dream is to hold a festival of light in our beautiful city Kazan and being a part of LUCI is a great opportunity for us to study the experiences of so many other light festivals within the network. We were pleased to attend our first LUCI event in Tartu for the AGM where we were inspired by the various presentations and connections made”
- Ilsa Metshin, Mayor of Kazan



MADRID (SPAIN)

The City Council of Madrid, capital city of Spain with 3 334 730 inhabitants, has among its objectives to achieve quality lighting for monuments, buildings and public spaces in addition to creating a light festival. Madrid successfully launched LuzMadrid, its first international light festival, in October 2021. The next festival will be held in October 2022.

In this next edition, as it was in the first one, public-private partnerships will be essential, and it will be carried out through sponsorships. Madrid City Council has also judged it imperative to turn LuzMadrid into an event aligned with the Sustainable Development Goals of the UN 2030 Agenda. For this reason, Madrid has incorporated a commitment to sustainability, going beyond legal compliance and contributing to creating a legacy associated to the “Landscape of Light,” World Heritage Site in Madrid.

“The City of Madrid is proud to join the LUCI network, to learn from other cities in the world that already have consolidated light festivals and to share its own experience with others in a new edition of its light festival.”
- Andrea Levy Soler, Councillor for Culture, Tourism and Sports, City Council of Madrid



PESSAC (FRANCE)

The City of Pessac (population 65 245) is located in the urban area of Bordeaux in south-west France. The municipality aims to manage its 10 000 lighting points in the most optimised manner to fight against light pollution and energy waste.

As a new LUCI member, Pessac seeks to learn how to use lighting to highlight their architecture that varies between old castles to modern buildings, including the Frugès-Le Corbusier city, a UNESCO World Heritage site. Another focus is on lighting up the unique atmosphere of the city for residents, visitors and the 50 000+ university student population studying at the Pessac Campus.

Since 50% of the Pessac area is reserved for green spaces (parks, forests, lakes), another focus is on managing the ecosystem and improving security to ensure its protection. Plans include smart lighting for pedestrians and bicycles so they can safely and ecologically enjoy the landscapes. The last area of ambition is in using light to put a spotlight on the city’s Street Art culture.



VILNIUS (LITHUANIA)

Vilnius, the capital city of Lithuania (population 574 147), will be celebrating its 700th anniversary in 2023. It is a multicultural city with great history, including a spectacular UNESCO World Heritage-listed Old Town. At the same time, Vilnius is young, modern, open and bright.

The Vilnius Light Festival is slowly becoming a tradition, taking place for the fourth year in a row. On the technical side, the city is currently in the process of a major streetlighting modernization project. Vilnius already boasts innovative software systems used to control the management of city lighting. The city has ambitious plans to come up with even more ingenious ways to lighten up the city and use the current infrastructure for innovations.

“For the 700th anniversary of Vilnius, the city seeks to demonstrate the impressive heritage of the city literally in a new light, and make the city even more spectacular. Vilnius invests in modern lighting also to showcase the endless possibilities of the latest technology when it is coupled with the creativity of the citizens.”
- Tomas Gulbinas, Deputy Mayor

“As Vilnius is nearing the end of the major streetlighting project and is constantly looking for new brilliant ideas of how to improve the city lighting, we are looking forward to sharing and exchanging best practices with other LUCI member cities.”
- Andrius Deimantas, CEO, Vilniaus Apšvietimas (Vilnius Lighting)

54

ASSOCIATED MEMBERS

*New Members



› France



› Belgium



› France



Experts in lightability™

› Belgium



› The Netherlands



› United Kingdom

49 ASSOCIATED MEMBERS



› Italy



› Portugal



› France



› Russia



› The Netherlands



› United Kingdom



› United Kingdom



› Germany



› France



› France



› Finland



› France



› France



› United Kingdom



› Canada



› France



› France



› Romania



› Denmark



› The Netherlands



› Finland



› China



› The Netherlands



› United Kingdom



› United Kingdom



› Switzerland



› China



› France



› South Korea



› France



› Germany



› France



› Belgium



› Denmark



› USA



› Germany



› Norway



› United States



› Saudia Arabia



› Portugal



› Belgium



› France



› China



› Belgium



› Russia



› United Kingdom



› United Kingdom



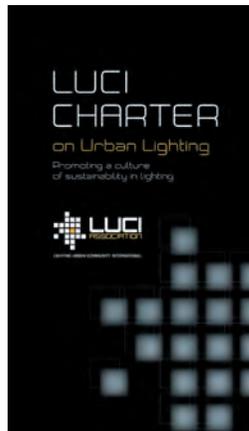
› China

CITIES COMMIT TO SUSTAINABLE URBAN LIGHTING

The LUCI Charter on Urban Lighting marks the network's commitment to sustainable development.

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

The Charter is the product of contributions from more than 40 cities around the world. It was launched in September 2010, after over a year of work led within the network by the City of Leipzig (Germany).



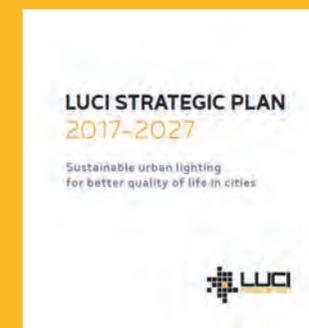
In 2021, two new member cities, Kazan (Russia) and Vilnius (Lithuania), signed the LUCI Charter, joining over 60 cities committed to implementing public lighting policies that respect sustainable urban development.



The Charter has been translated and is available in four languages: FR/EN/DE/SP. See the list of over 60 cities that have signed or committed to sign the charter [here](#) ➔

The Strategic Plan sets out the LUCI mission and vision for years to come.

It also explains the strategic orientations of the network, while creating a framework of Pillars for thematic programs. It covers the period 2017-2027 and will be reviewed after a mid-point evaluation in 2022.





LUCI PILLARS

The five LUCI Pillars - Health & Wellbeing, Public Spaces, Social Cohesion, Art & Culture, and Governance - are the main thematic building blocks for the organisation.

They reflect some of the most pressing challenges faced by cities today.

Working groups with members of the network are formed within these Pillars for greater involvement and to dive deeper into a topic and/or work together on a specific project.

All activities within LUCI are rooted in a transversal approach to urban lighting based on the guidelines of the LUCI Charter, mainly:

- > Sustainable lighting as a working culture
- > Limitless opportunities with innovative and smart technologies in lighting
- > Citizen-focused lighting



HEALTH & WELLBEING

Ensuring health and wellbeing of each citizen is a fundamental priority of every city.

The non-visual impacts of light at all hours can affect our mood, behaviour and our circadian rhythm. Light can have negative impacts on human wellbeing as well as the biosphere. With innovative lighting solutions, cities have a role to improve the lives of citizens: the right indoor and outdoor lighting contributes to providing people with healthy, secure and comfortable environments.

At LUCI, we believe that light can act as a major stimulus to help cities address issues related to health & wellbeing and mitigate the negative side-effects of modern daily life.

WORKING GROUP

Within the ENLIGHTENme project, LUCI brings together 15 cities to constitute the Health and Urban Lighting Advisory Board (HULAB) to advise on innovative and sustainable principles for connecting lighting policy and implementation with citizen health and wellbeing. The HULAB will share cities' needs and expertise on urban lighting aspects linked to health and wellbeing. The group will also contribute to the latest research and innovation in urban lighting related to health and wellbeing in cities.



KNOWLEDGE EXCHANGE

During the LUCI AGM Tartu, Prof. Debra Skene from the Faculty of Health and Medical Sciences, University of Surrey, Guildford (UK) presented an Open Conference Session entitled "The biology behind light and health." She explained the underlying biology that underpins the health effects of light and gave recommendations for healthy daytime, evening, and night-time indoor light exposure. (See p. 20)

In December 2021, LUCI contributed as discussant to the online conference "Shaping Light for Health and Wellbeing in Cities," organised by the ENLIGHTENme project. LUCI members were invited to join the conference through a special LUCI Coffee Bre@k and participate in discussions emphasizing innovative urban lighting policies and plans, good practices and pilot actions embracing diversified goals including wellbeing and health promotion. (See p. 25)

Objectives

The objective is to gather and share existing practices, initiatives, and experience within cities. We would like to spark international discussion within LUCI members on the importance of health and wellbeing issues and build upon this expertise to develop our common knowledge.

LUCI member cities involved

The City of Albertslund (DK) is the co-leader of this pillar. LUCI member cities involved are Amsterdam (NL), Glasgow, City of London corp (UK), Leipzig (DE), Oulu (FI), Seoul (KR), Stavanger (NO), and Tallin (EE).



PUBLIC SPACES

Public spaces are the beating heart of the city. They are the spaces where people, inhabitants and visitors alike experience the city, its architecture and its infrastructure.

Developing good lighting policies for public spaces has the power to enhance urban structures and areas. It can create distinctive ambiances and nightscapes. Light can help citizens to navigate the spaces they inhabit or visit and can be a powerful tool to support smart and environmentally-friendly mobility. It can contribute to an attractive, functional and secure living environment, as well as boost identity and experience for residents and tourists.

At LUCI, we believe that light can be the enabler of new applications and services in the public space, and it can even help reconstruct the notion of public space itself.

WORKING GROUP

Tackling light pollution (light clutter, negative effects of light on biodiversity, dark skies etc.) has a lot to do with how public spaces are designed, public realm regulations and our understanding of environment in cities as a whole.



Objectives and activities

Introduced in 2021, the Light Pollution Working Group will reflect on how light pollution is regulated, handled, and controlled in cities at the moment, identify main causes of the problem and what actions can be undertaken. Meetings will facilitate understanding the main challenges, collect case studies and share news in this field.

LUCI members involved

This working group is launched by the City of Jyväskylä (FI). Interested cities can contact the LUCI Team to join the first meeting scheduled in 2022.

KNOWLEDGE EXCHANGE

Identifying the sources of light pollution

During the September LUCI Coffee Bre@k, Dr. Christopher Kyba, of GFZ (German Research Center for Geosciences), presented his work as a researcher on light pollution. He showed how lighting controls (i.e. dimming systems) can be used to measure the contribution of street lighting to light emissions and skyglow. (See p. 25)



SOCIAL COHESION

In order to nurture social interaction, people and places should be connected throughout the city.

Citizen participation and interaction are often major goals in the management of local public policies to enable a user-focused city. Urban lighting can help to foster social cohesion by concretely involving communities. Equal access to light contributes to bonding people and bridging gaps regardless of age, ethnicity, gender, religion, level of income, etc.

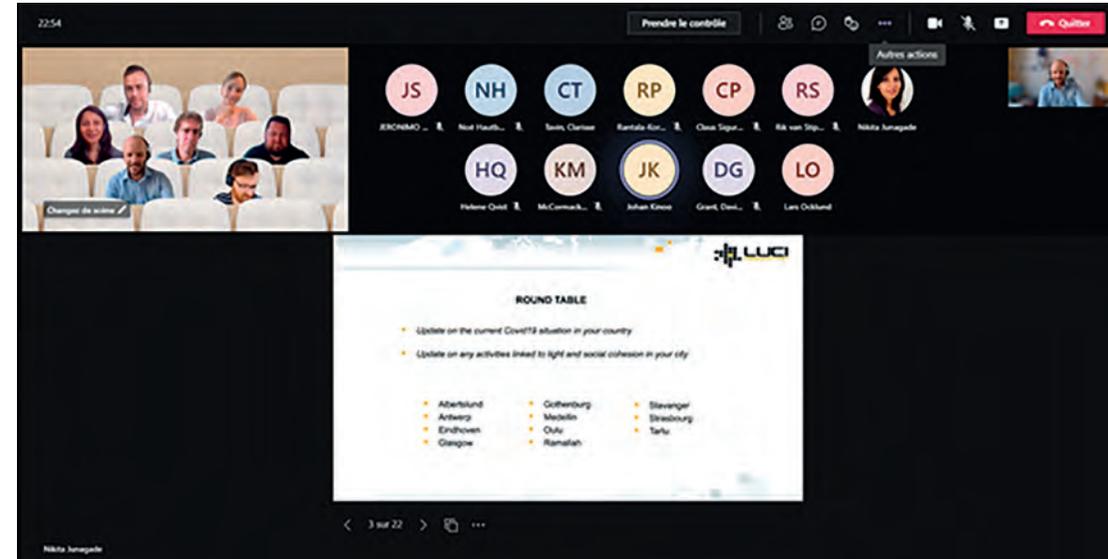
At LUCI, we believe that light is an enabler of urban regeneration and social sustainability, and that it is a powerful and creative tool for citizen participation.

WORKING GROUP

The working group entitled “Placemaking with People and Light” reflects on how light can support community engagement, urban regeneration and placemaking processes.

Objectives and activities

The main objective is to explore why and how cities engage with a wide variety of stakeholders - including department colleagues, commercial partners, and the local community - in their lighting projects in order to create places that have a positive impact on citizens.



The group is working on a publication to inspire, share stories and good practices on this topic. An online meeting was held in June 2021.

LUCI members involved

This pillar is led by the City of Glasgow (UK) and gathers the cities of Albertslund (DK), Antwerp (BE), Gothenburg (SE), Helsinki (FI), Medellín (CO), Oulu (FI), Stavanger (NO), Strasbourg (FR), and Tartu (EE).

KNOWLEDGE EXCHANGE

Co-creating lighting interventions

The January LUCI Coffee Bre@k shared some insights from the City of Tallinn (EE) which has been co-creating lighting solutions for its city centre park, the Canute Garden, with its citizens. Participants explored lessons learned and challenges faced by the city when working with inhabitants. (See p. 24)

In May, the Light Sketching system being tested in Eindhoven was presented during a LUCI Coffee Bre@k. The presentation showcased how special urban areas like parks present conflicting demands in terms of lighting and how a balance needs to be found. (See p. 24)





ART & CULTURE

Art is an essential driving force that inspires urban leaders to develop their city and to deliver diversity to the culture and identity of the city.

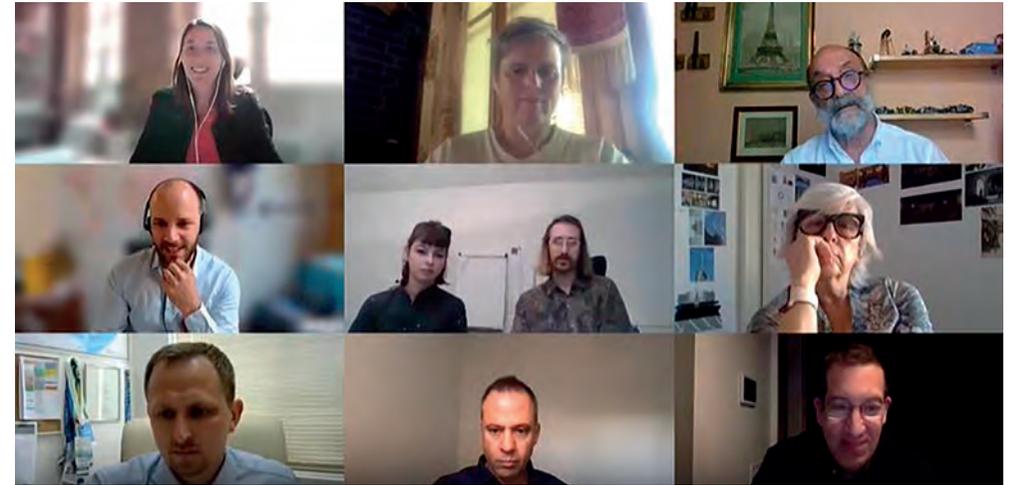
Both permanent urban lighting and light festivals can help cities showcase urban creativity. Light becomes a playful material for all, a tool to explore people's needs and dreams for their own city. Light combined with art reinforces the cultural identity of a city and is a clear asset to any urban lighting strategy.

At LUCI, we believe that light can be a tool to promote art and culture in the urban space and transform the way we live and experience our cities.

WORKING GROUP

Based on 2020 discussions with LUCI members, a new working group focused on light festivals was created to share knowledge, build capacity, and explore potential collaborations. Ten festivals from around the world met online in June 2021 to exchange ideas between emerging and established light festivals.

The Light Festival Working Group met again during the AGM Tartu in October 2021, to discuss the possibility of collaboration projects between light festivals. Participants also experienced Tartu's own TAVA light festival.



Objectives and activities

The main goal is to open the field of creative lighting to new artistic forms in both permanent and festival lighting. The activities in this Pillar will explore how a co-creation approach can be implemented among the members of the network, for example, through structured exchange and peer-to-peer capacity building sessions.

LUCI members involved

GLOW Eindhoven (NL), Jyväskylä (FI), LUMA8 Chicago (US), Kazan (RU), Lyon (FR), Madrid (ES), Noor Riyadh (SA), Oulu (FI), Seoul Metropolitan Government (KR), Stavanger (NO), and Tartu TAVA light festival (EE).



KNOWLEDGE EXCHANGE

During the LUCI AGM Tartu, creative lighting was at the heart of a panel discussion about European Capitals of Culture during the LUCI AGM Tartu. Speakers from Matera2019 (IT), Tartu2024 (EE) and Oulu2026 (FI) explained the ways they integrated lighting strategies within their wider cultural policies. (See p. 21)

The June LUCI Coffee Bre@k was a chance to hear about how Seoul manages and curates its many media facades as part of its urban art projects strategy. (See p. 25)

The Lyon Light Festival Forum explored how children are involved in permanent and event lighting in cities and featured lighting designers and artists who presented about various creative lighting projects during the "pecha kucha"-style. (See p. 23)



GOVERNANCE

Local governments are in the best position to frame and manage a number of public services that increasingly need to be user-focused.

Cities are at the heart of innovation, procurement, implementation, maintenance and evaluation of effective lighting strategies. They are in a process to better understand the implications of new lighting technologies, and develop with all their partners inclusive, balanced and effective strategies for their citizens. Governance issues focus on lighting to increase the quality of life and smart lighting strategies as meaningful solutions to transform cities.

At LUCI, we believe that light is a major opportunity for cities to develop multiple helix partnerships that aim at creating societal added value.

WORKING GROUP

The working group, entitled “Societal Added-Value of Smart Urban Lighting,” reflects on how to harness lighting innovation in a meaningful way for our societies.

Objectives and activities

The main ambition was to develop the LUCI White Paper *A Cities’ Guide to Smart Lighting* through a collaborative process between cities. Two co-creation sessions with the cities were held online in March and April 2021,



resulting in rich discussions to determine the contents of the White Paper. Several international thought leaders in the domain were also interviewed by Philip Ross, co-author of the guide.

LUCI members involved

The City of Eindhoven (NL) led the exchanges, other involved members were Albertslund (DK), Glasgow (UK), Helsinki (FI), Budapest (HU), Seoul (KR), Stavanger (NO), and Fluvius (BE).

KNOWLEDGE EXCHANGE

The *Cities & Lighting Magazine* (n°9), published in June 2021, included a specific focus on “smart lighting - paving the way for a sustainable future” with a look at smart lighting initiatives across the world, and views from cities and industries on the opportunities and challenges of smart lighting. (See p. 38)

The White Paper was presented at the LUCI AGM Tartu, during a session where panelists shared some of the key recommendations and insights from the document. One key point that everyone agreed on: a city is made by people, and smart lighting is not about technology for itself, but technology for the people. (See p. 38)





LUCI EVENTS

LUCI offers spaces for cities to exchange about urban lighting by organising events around the world. Despite the continued uncertainties due to the COVID 19 reality, LUCI members were still able to connect with each other in new and engaging ways thanks to the shift to online events and some events still held in-person.

City under Microscope

A chance to experience a city in its best light! Over a two-day period, participants discover the lighting strategy of a member city through site visits and technical conferences on urban lighting projects.

LUCI Annual General Meeting

The LUCI Annual General Meeting (AGM) is the international gathering for cities on urban lighting. It brings together the members of LUCI for its General Assembly as well as conferences, working group meetings, open conference sessions, and the discovery of the host city and its lighting strategy.

LUCI Asia Urban Lighting Workshop

The LUCI Asia Urban Lighting Workshop (LAULW) provides a platform for public lighting decision-makers from Asia to exchange information and practices on the benefits and challenges of sustainable urban lighting.

Lyon Light Festival Forum

The Lyon Light Festival Forum (LLFF) brings together city representatives, artists and other lighting professionals. The aim is to discuss the issues related to event and creative lighting, with a mix of plenary conferences and short “pecha kucha”-style presentations.

LUCI Coffee Bre@ks

The LUCI Coffee Bre@ks are now the traditional monthly rendezvous for LUCI members to connect online around an urban lighting topic. Recordings of Coffee Bre@ks are available to members on the LUCI Hub.

LUCI CITY UNDER MICROSCOPE

STAVANGER, NORWAY

18 - 19 MARCH

Online

Over 300 participants came together online for a unique insight on the urban lighting strategy of the City of Stavanger, with 52 cities officially represented.

This first-ever fully online City under Microscope gave attendees an interactive digital tour of Stavanger and its urban lighting projects through “walk & talk” sessions with local experts. From a quick drive around Stavanger’s smart city pilots to a leisurely walk through the illuminated city center at night, it was an immersive experience for all.



“In Stavanger, we have darker days during the winter, dramatically making the day feel shorter. As mayor, I want everyone to feel safe and have good experiences in the city, even during the darkest times. Good lighting provides safe conditions in the city centre. I am proud that our lighting masterplan, that was recently updated, is noticed, and that we have won a national award for the plan.”

– Kari Nessa Nordtun,
Mayor, City of Stavanger

Organised in collaboration with Lyse and with the support of ERCO, Hove West, iGuzzini, Louis Poulsen*, Lysfix, and Signify* (*LUCI associated members).



EVENT AT A GLANCE

- 300 participants
- 24 speakers
- 4 sessions including “walk & talk” presentations, Zoom Q&As, and more
- Exclusive Coffee Bre@k for LUCI members

STAVANGER AT A GLANCE

- LUCI member since 2009
- 144 500 inhabitants
- Energy Capital of Norway
- Smart city leader



City of Stavanger

A city at the forefront of smart solutions to tackle climate change

Stavanger is the third largest metropolitan area in Norway and has been known as the “Energy Capital” of the country due to its strong links to the oil industry. Today, the city has chosen to address climate change head-on, with the goal of becoming carbon neutral in 2040. This ambitious objective is made possible by prioritizing the use of green energy and focusing on smart city solutions.

Participants also got to discover the smart technology solutions implemented in the city, such as smart poles and EV charging stations.

While the city is looking towards the future, it has also preserved and built upon its heritage: for instance, old lamp designs were kept but fitted with modern, energy-efficient LEDs.



Participative lighting plans and innovative projects

One of the first cities in Norway to have commissioned a lighting masterplan in 2005, Stavanger continues to innovate. Its recently revised lighting plan, presented by Zenisk, was awarded the Norwegian Lighting Award in 2020. The participatory process and comprehensive approach of the new lighting plan set the tone for all lighting projects in the city.

Participants also learned about two light festivals organised in Stavanger. While the focus of the Vinterljus festival is on community participation and co-creation in small-scale public spaces, the Screen City biennial's emphasis is on light, image, sound and architecture.

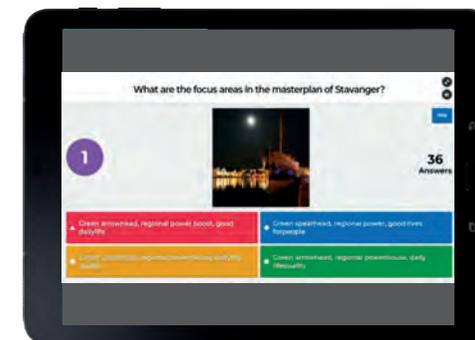


A balancing act: considering the impact of light on human health and nature

A standout topic that generated much interest and discussion was the challenge of lighting green spaces while respecting biodiversity. This included the framework specifically developed by the city for the lighting of parks and trails and how this encourages people to go outdoors during the long, dark winter months. Other topics included the impacts of artificial light on nature and biodiversity, and the need to educate and raise awareness about light pollution.

Fostering community spirit in the LUCI network

To reinforce community spirit, an interactive quiz was a chance for participants worldwide to enjoy a fun moment together and test their newly acquired knowledge of Stavanger's lighting projects. Louis Poulsen and Signify provided the prizes. Congratulations to the winners!



LUCI members can access recordings, presentations, and more in the LUCI Hub



LUCI GENERAL ASSEMBLY

TARTU, ESTONIA

27 - 30 OCTOBER

Hybrid

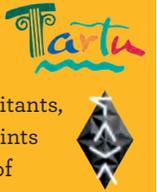
Following almost two years limited to online interactions, urban lighting professionals from all around the world were delighted to reconnect in person as they experienced the lights of LUCI member city, Tartu.

EVENT AT A GLANCE

- 100 in-person participants in Tartu
- 110 online participants
- Over 27 speakers
- 44 cities officially represented
- Lighting professionals from 45 countries

TARTU AT A GLANCE

- LUCI member since 2012
- Just under 100 000 inhabitants, around 15 000 lighting points
- Will be European Capital of Culture in 2024
- Education capital of Estonia



“It was a great honour for the City of Tartu to host the LUCI Annual General Meeting in 2021. We were glad to host guests from all around the world, to share and discuss case studies related to urban lighting and to show the highlights of our Tartu TAVA light festival”

– Raimond Tamm,
Deputy Director, City of Tartu

Tartu, a city of enlightenment

The City of Tartu presented their unique approach to urban lighting through a conference session on this topic. Local lighting decision-makers emphasised the importance of collaboration and the fact that a city needs to involve everyone to create better lighting.

Participants learned about Tartu’s new lighting master plan, the current state of streetlighting in the city, installation of LED luminaires, Tartu’s lighting management solution, as well as the TAVA light festival.





International panel discussion – taking smart steps towards smart lighting

AGM Tartu participants got an exclusive preview of the *Cities' Guide to Smart Lighting* – a new white paper from cities, for cities – aiming to support municipal decision-makers build their vision on smart lighting, choose their paths, and take steps towards realisation.

Panelists from the cities working on the document – Albertslund, Budapest, Eindhoven and Seoul – together with White Paper co-author Philip Ross, shared some of the key recommendations and insights from the document.



Lighting in European Capitals of Culture

With over a dozen LUCI member cities that have been, or will be, European Capitals of Culture, the link between light and culture is clearly a strong one. The AGM Tartu brought together previous, future, and recently awarded EU Capitals of Culture – Oulu, Matera and Tartu – to discuss how cities can integrate lighting into their wider cultural policies.

Broad spectrum of lighting projects from cities worldwide

LUCI members from around the world took the floor in the AGM Open Conference Sessions to showcase their latest lighting projects or initiatives.



From creating lighting ambiances for a planned city, to developing a light festival, to analysing obtrusive light, or understanding the biology behind light and health, a variety of topics were on the agenda in presentations from Lyon (FR), Reykjavik (IS), Tallinn (EE), Medellín (CO), Helsinki (FI), Vilnius (LT), Kazan (RU), Pessac (FR), Putrajaya (MY) as well as Schröder, YD Illumination and the University of Surrey.

LUCI members can access recordings, presentations, and more in the LUCI Hub



Experiencing AGM Tartu in full onsite

For in-person participants, this was also the opportunity to see the TAVA light festival in action. A guided tour of the festival not only gave an insight on the light art pieces, but also demonstrated how the TAVA festival successfully accomplishes its mission to educate and raise awareness about good quality lighting in the city.

This year, AGM participants also got to create new links and flex their creative muscles in a lantern-making workshop with LUCI members Walk the Plank. A new initiative that resulted in some new connections as well as fantastic lanterns!

Reinforcing LUCI activities and values

A key annual moment for the network, the LUCI General Assembly gathered LUCI members to discuss activities and projects over the years and build the future of LUCI together.



LUCI ASIA URBAN LIGHTING WORKSHOP

SEOUL, SOUTH KOREA

21 - 22 OCTOBER

Online

Organised by Seoul Metropolitan Government (SMG) and LUCI, the 5th edition of the workshop was an opportunity to continue the joint development of urban lighting in Asia.

Focusing on the theme “Urban Lighting for People,” this year’s workshop was held online and featured keynotes from around the world, case study presentations and discussions. Two topics were specifically covered: carbon neutrality in urban lighting and lighting for cultural heritage, by experts from Asia and around the world, including Copenhagen (Denmark), Islamabad (Pakistan), Jinju and Busan (South Korea), Yala (Thailand) and New York (USA).

Urban lighting for carbon neutrality

As the world faces major environmental problems, carbon neutrality and environmental protection are emerging as key issues. The workshop explored how urban lighting strategies can help increase energy efficiency and bring a desirable future where lighting can go hand in hand with environmental protection.

EVENT AT A GLANCE

- 231 participants
- 42 cities from 21 countries
- 10 speakers

Urban lighting for preserving cultural heritage

The workshop also addressed how cities around the world commit themselves to preserving their cultural heritage, a symbol that represents their history and identity. It provided an opportunity for participants to share experiences of cultural heritage landscape lighting in Asia and lighting design that better highlights the unique elements and characteristics of Asian cities.

“The Workshop was a meaningful time to share ideas and prepare for the new role of urban lighting systems in the perspective of international environmental change.”

— **Mr Hoon Ryu**, Vice-mayor II for Administrative Affairs of Seoul Metropolitan Government - LUCI Vice-President for Asia.



10 speakers



LUCI members can access recordings, presentations, and more in the LUCI Hub



LYON LIGHT FESTIVAL FORUM

LYON, FRANCE

8 - 10 DECEMBER

Hybrid

 Organised by LUCI in collaboration with the City of Lyon, the Lyon Light Festival Forum offers creative lighting professionals a unique space to explore new forms of creative lighting in the urban space.



This year's LLFF focused on how cities can involve children and young people in designing and establishing better lighting policies and events for public spaces.

Cities for Children, Light for Children

Opening keynotes featuring the "Città dei Bambini" ("City of Children") project initiated by the City of Fano (Italy) showcased how cities can better include children in urban development to create more welcoming and inclusive cities for all social and age groups.

Inclusive everyday urban lighting

This session of LLFF 2021 explored how cities can effectively involve children, young people and their families in everyday urban lighting, with panelists from Light Follows Behaviour and the London School of Economics, the City of Gothenburg, and the City of Lyon. Children and young people challenge our perspectives of the city and they should be associated with the building of urban spaces after dark, for the benefit of all citizens.

Creating moments of awe with children and youth

Participants heard from Montreal, Jyväskylä, Turin and Lyon on how cities can involve and include children and families when organising temporary light events. Speakers emphasised the potential of using light and co-creation initiatives to spread the magic of art and creativity to youth.



Creative lighting initiatives from around the world

The programme featured "pecha kucha"-style sessions with speed presentations from artists, designers and festival organisers. Speakers BIBI, Radiance35, Noor Riyadh Festival, Glow Eindhoven, Ghent Light Festival, and a few Fête des Lumières artists shared their innovations and projects.

EVENT AT A GLANCE

- 80 in-person participants
- 110 online participants
- 23 cities officially represented
- 20 speakers



Missed the online event? You can view recordings of the sessions here: www.luciasociation.org

LUCI members can access recordings, presentations, and more in the LUCI Hub



Organised with the support of LUCI supporting associated member Signify.

THE LUCI COFFEE BRE@KS

Launched in 2020, the LUCI Coffee Bre@ks are the monthly exclusive rendezvous for LUCI members.

These short 30-minute convivial moments are an opportunity for members to stay in touch and hear from experts on a variety of urban lighting topics.



JANUARY 2021: **CO-CREATING LIGHTING SOLUTIONS IN CANUTE GARDEN**

This Coffee Bre@k featured the City of Tallinn and was an opportunity to learn about how the city involved local residents in co-creating lighting solutions for the city centre park, Canute Garden.



FEBRUARY 2021: RESEARCH PERSPECTIVE ON "LIGHTING SOBRIETY IN THE CITY"

Special guest Nicolas Houel, PhD in urban planning and night space development, Associate Researcher at AAU laboratory Nantes, was invited to present his recent research exploring "lighting sobriety" and how cities should consider the potential of user expertise when creating nocturnal urban ambiances.

MARCH 2021: **BEHIND THE SCENES OF STAVANGER'S LIGHTING**

In conjunction with the online CM Stavanger, this Coffee Bre@k was an exclusive opportunity for LUCI members to hear from Stavanger city experts who presented lesser-known aspects of the city's lighting strategy and projects, focusing on challenges and how to come up with the right solutions.



APRIL 2021: GET A FIRST LOOK AT BRUSSELS SMART LIGHTING

LUCI members heard from Brussels Capital Region streetlights operator, Sibelga, and Bénédicte Collard, its Streetlights Manager, and learned about the ambitious project to have over 20 000 connected street lamps in the next three years. Objectives and challenges of the project were described as well as the phases, architecture, and future perspectives.





MAY 2021: LIGHT SKETCHING SYSTEM IN EINDHOVEN

Philip Ross, founder of Studio Philip Ross, along with Rik Van Stiphout of the City of Eindhoven, presented about testing a new Light Sketching System, a cooperation tool that can help manage potential conflicts between the human demands of lighting and ecological impact in the city, especially in green areas.



JUNE 2021: CREATIVE LIGHTING IN SEOUL - MANAGING AND CURATING MEDIA FAÇADES

LUCI members learned more about how Seoul manages media façades as urban art projects (installation guidelines and deliberation processes) and saw examples of recent projects curated specifically in response to the COVID-19 crisis, to bring everyday art, light and joy to citizens of the city. The future of media façades in Seoul was also evoked.



SEPTEMBER 2021: WHOSE FAULT IS LIGHT POLLUTION, ANYWAY?

Dr. Christopher Kyba, of GFZ (German Research Center for Geosciences), explained how lighting controls can be used to measure the contribution of street lighting to light emissions and skyglow. In urban areas, other sources of light also contribute massively to light pollution. A new app that allows citizens to create large scale inventories of both public and private lighting was also presented.

OCTOBER 2021: LANTERNS FOR PLACEMAKING: ENGAGING COMMUNITIES THROUGH LIGHT ART

This Coffee Bre@k was a chance to explore how light art can be a powerful tool for community participation. Walk the Plank (UK) are pioneers of outdoor arts and civic celebration. Liz Pugh, the Creative Producer, presented about lantern-making projects as a way to engage communities through working with light.



DECEMBER 2021: SHAPING LIGHT FOR HEALTH AND WELLBEING IN CITIES

This special LUCI Coffee Bre@k took LUCI members to the ENLIGHTENme project conference “Shaping light for health and wellbeing in cities.” Participants investigated the multifaceted consequences light has on life in cities, exploring impacts of indoor and outdoor lighting on health and wellbeing.



LUCI HUB

LUCI members can access recordings, presentations, and more in the LUCI Hub. Request your access on the LUCI website.



LUCI'S VOICE ON URBAN LIGHTING

Through partnerships and invitations to take part in various events throughout the world, LUCI shares knowledge and experiences from the network, and helps to raise awareness on urban lighting issues.

Eclat Lighting Initiative Conference SASKATOON, CANADA

Hybrid

10 - 12 FEBRUARY 2021



LUCI moderated the panel “Sustainable Urban Lighting from a Global Perspective” which featured Charlie Clark, Mayor of the City of Saskatoon (Canada) and Meri Lumela, Deputy Chair of the City Council of Jyväskylä (Finland), sharing how light has become a driver for greater sustainability in their cities.

IES Light for Life

Online

11 MAY 2021



LUCI presented “How Creative Lighting Improves Quality of Life in Cities” during the IES Light for Life global conversation. The presentation highlighted how creative lighting can have a positive impact on the perceptions of our cities by bringing more emotions and interactions to urban space, featuring examples from LUCI member cities.

Velo City 2021

LISBON, PORTUGAL

Hybrid

6 - 9 SEPTEMBER 2021



In this first of its kind session in the Velo City conference about “How nighttime cycling delivers on cycle diversity,” LUCI’s General Director was invited to give some background on the topic of the emergence of nighttime in city public policies, and how it leads to challenges in lighting for cycling.

Innopolis Expo PARIS, FRANCE

Onsite



22 SEPTEMBER 2021

LUCI took part in a roundtable during the first edition of Innopolis Expo entitled “Re-thinking the city” in Paris. In a dialogue that included cities and lighting designers, the main topics were around finding the right balance between the need and right to light and the preservation of the darkness and biodiversity.

IES Street and Area Lighting Conference (SALC)

Online

12 OCTOBER 2021



LUCI’s General Director presented during the North American-based Illumination Engineering Society’s annual “Street and Area Lighting Conference” (SALC). Mark gave a global perspective of the main common challenges and questions of urban lighting today, especially following the publication of *Exploring City Nightscapes*.

JNL Strasbourg
STRASBOURG, FRANCE

12 OCTOBER 2021



During the “National Lighting Days” organised since 1937 by the French Lighting Association (AFE), LUCI took part in a roundtable entitled “Europe of Lighting.” In this multidisciplinary roundtable, LUCI highlighted that cities and local governments are the main testbed for innovation, with a strong diversity of experiences. The common values shared by cities on urban lighting bring opportunities for cooperation and examples of such cooperation were given within the LUCI Network.

LuzMadrid Inauguration / Conference
MADRID, SPAIN

30 OCTOBER 2021



LUCI provided welcome greetings to launch the LuzMadrid Conference, organized by the City of Madrid (new LUCI member) and APDI.

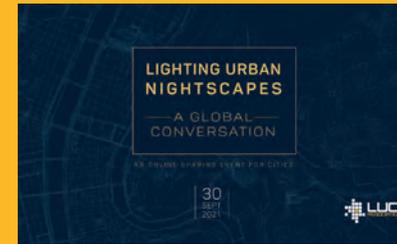
Lighting Urban Nightscapes: A transatlantic dialogue
ONLINE 28 SEPTEMBER 2021

LUCI organised a collaborative dialogue based on insights of the LUCI publication *Exploring City Nightscapes*, aiming to explore good practices and challenges of urban lighting in cities on both sides of the Atlantic.

Participants included Amsterdam, Antwerp, Budapest, Gothenburg, Jyväskylä, London, Lyon, Austin, Chicago, Dallas, Detroit, Los Angeles, Philadelphia, Pittsburgh, Providence, San Francisco, and Washington D.C.

The event brought together ten U.S. cities and seven LUCI cities in Europe for lively discussions focusing on the following themes:

- Lighting & Masterplans
- Lighting & Innovation for Sustainability
- Lighting & Creative Placemaking
- Lighting & Public Spaces at night



LIT Lighting Design Awards - Spotlight Prize
9 DECEMBER 2021

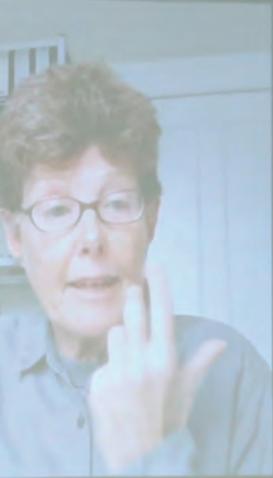
The LIT Lighting Design Awards were created to recognise the efforts of talented international lighting professionals. The Spotlight Prize was introduced in 2020 to reward and put the “spotlight” on an organisation, association, project, or initiative that carries out remarkable work for its community and has a major contribution to the lighting industry.

“We are proud to accept this award on behalf of all members of the LUCI network and of the LUCI Executive Committee, of which Lyon is Vice President. LUCI now brings together 70 cities around the world and our members benefit throughout the year from meetings, knowledge exchange, and city-to city cooperation projects via offline and online tools. We invite other cities to join us in amplifying this movement so that we can together respond to the challenges facing the cities of today and tomorrow, challenges to which light can provide some answers.”

The 2021 “Spotlight” prize was awarded to LUCI Association for its contribution to the lighting community.

– **Sylvain Godinot**, Deputy Mayor in charge of Ecological Transition and Heritage, Public Lighting and Lighting Masterplan, City of Lyon; LUCI 1st Vice President.





Connecting cities
with light

www.luciassociation.com

LUCI PROJECTS

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

Whether by piloting research on some of the key issues on urban lighting or creating opportunities for city-to-city cooperation projects LUCI offers tools for cities and lighting professionals to progress together towards a better and more sustainable use of light.



EUROPEAN PROGRAMME
INTERREG North-West Europe

PROJECT BUDGET
5.73 Million €, including
3.44 Million € EU contribution
LUCI budget 199 198 €

12 PARTNERS

4 cities:

Ostend (BE) - Lead Partner,
Middleburg (NL),
Sint Niklaas (BE),
Tipperary (IE)

4 universities:

TU/e (NL), ILI (NL),
KU leuven (BE), UPJV (FR)

3 Companies:

Spie, INTEMO, FLUVIUS
& LUCI

DURATION

May 2018 - March 2022

SMART-SPACE PROJECT

SMART SUSTAINABLE PUBLIC SPACES ACROSS THE NWE REGION

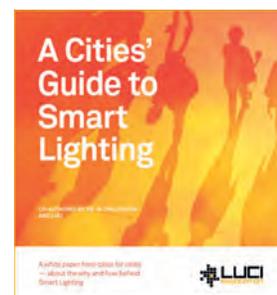
The SMART-SPACE project brings together end-users, research, and market parties to jointly facilitate the uptake of smart lighting technologies in order to reduce energy consumption and CO₂ emission across the North-West Europe Region (NWE).

The strong need for collaboration in smart urban lighting systems

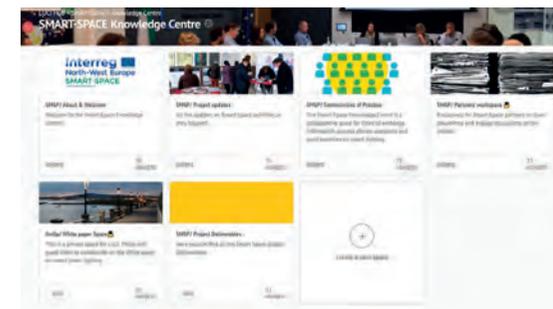
In spring 2021, the SMART-SPACE consortium organised a series of webinars about creating a smart light system based on lessons learned from the project. These webinars gathered more than 100 participants. LUCI highlighted the need for city-to-city cooperation in urban lighting. Indeed, building new capacities, developing a framework for data governance, ensuring interoperability, are common questions – among others – for cities to better adapt smart lighting to needs of cities and citizens.

LUCI's contribution to the SMART-SPACE final deliverables

LUCI spearheaded the publication of *A Cities' Guide to Smart Lighting*: a white paper by cities for cities, co-authored by Philip Ross in collaboration with LUCI cities. The aim of the White Paper is to provide local policy makers with information on smart lighting developments from various angles. The Publication was launched during the SMART-SPACE final conference in January 2022. (See p. 38)



LUCI also developed factsheets to share lessons learned from the eight SMART-SPACE pilot sites. The objective is to have useful, usable, and actionable good practices that other cities can relate to and reflect on for the implementation of smart lighting in their specific contexts.



Ensuring a long-term impact of the project

In 2021, LUCI continued the development of the SMART-SPACE Knowledge Centre (KC), harboured in the LUCI Hub. Comprised of around 80 users (representing project partners, follower cities and other experts), the KC is a place to find and share resources about common issues as well as to collaborate on questions and future trends of lighting, including citizen involvement, smart lighting, sustainability strategies and challenges from the pilot sites.

More information on the LUCI website:
www.luciasociation.org



EUROPEAN PROGRAMME
INTERREG Baltic Sea Region

PROJECT BUDGET
3.12 Million €, including
2.17 Million € EU contribution
LUCI budget 92 000 €

11 PARTNERS

7 local authorities:
Hamburg (DE) - Lead Partner,
Albertslund (DK), Gothenburg (SE),
Jürmala (LG), Porvoo (FI),
Riga Region (LV), Tallinn (EE)
2 universities, 2 expert partners

Following a successful tender, LUCI
serves as a support organisation to
Gothenburg.

DURATION

January 2019 - December 2021

Lucia PROJECT

LIGHTING THE BALTIC SEA REGION

The Lucia project aims to provide municipalities with up-to-date knowledge on energy efficient urban lighting, covering aspects of environment, technology, economy and social acceptance. Six pilot sites with energy efficient lighting solutions have been installed to demonstrate the potential of urban lighting.

Unlocking the potential of energy efficient urban lighting solutions

The Lucia consortium organised its online final conference in September 2021 entitled “Lights on! Lighting the Baltic Sea Region.” Meri Lumela, LUCI President, opened the conference with references to common challenges for cities, including the climate crisis and how cooperation in urban lighting is essential if cities wish to achieve common targets, innovate and build a better quality of life for citizens. During this event, LUCI highlighted the importance to share knowledge and offered a fun quiz on the overall outcomes from the project.



Turn noise into knowledge: capture, curate, and exchange through the Lucia Knowledge Centre

Throughout the project, LUCI's main task has been to develop the Lucia Knowledge Centre (KC). Plugged into the LUCI hub, the Lucia KC is a collaborative knowledge sharing platform for urban lighting professionals across the Baltic Sea region (BSR). It consists of factsheets summarizing the key economic, social acceptance and technological aspects of urban lighting solutions and case studies co-created with Lucia partners. LUCI will continue to maintain this space beyond the project's duration, allowing for further exchanges on issues of urban lighting.

More information on the LUCI website:
www.luciassociation.org



Co-funded by the
Creative Europe Programme
of the European Union



EUROPEAN PROGRAMME
CREATIVE EUROPE

PROJECT BUDGET

333 333 €,
including 199 999 € EU contribution
LUCI budget 134 202 €

4 PARTNERS

LUCI (Lead partner),
3 cities:
Lyon (FR), Oulu (FI), Turin (IT)

DURATION

December 2020 - December 2023

More information on the LUCI website:
www.luciasociation.org

LAiPS PROJECT

LIGHT & ART IN PUBLIC SPACES

The Light & Art in Public Spaces (LAIiPS) project aims to strengthen city capacities on permanent light art installations in public spaces by exchanging best practices, fostering international cooperation among cities and making use of innovative digital tools.

The project was officially kicked off in February 2021 with an online gathering of the partner cities. Further online meetings took place in March and May 2021, elaborating the next steps to create the LAiPS Digital Tool.

The first “Light & Art Lab” in Turin, during Luci d’Artista

In November 2021, partners met in Turin to experience the Luci d’Artista festival – one of Europe’s longest standing light festivals – and learned about the city’s strategy of turning temporary light art works into permanent ones. During a series of presentations and workshops, partners explored Turin’s educational programmes, maintenance issues, and future ambitions.

Developing a Web App to map permanent light art in cities

Following a Call for Tenders jointly elaborated, the project partners selected a service provider to create a new tool that will enable wider digital access to light art as a unique kind of cultural content.





This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 945238

EUROPEAN PROGRAMME
H2020

PROJECT BUDGET
4 999 909 €
(100% funding from EU)
LUCI Budget 149 000€

22 PARTNERS

Chrono@Work Bv, Gemeente Amsterdam, Stichting Vu (NL); EURICE, ICLEI (DE); Fundación Tecnalia Research & Innovation (ES); Gate 21 (DK); Icahn School of Medicine at Mount Sinai (USA); LSE, Lumie, University of Surrey (UK); Tartu City, Tartu; Ulikool (EE); Università Di Bologna, Azienda Unita' Sanitaria Locale Di Bologna, Comune Di Bologna, Fondazione per L'innovazione Urbana, Health City Institute, Neri Spa, Oengineering Srl (IT); Uppsala Universitet (SE)

DURATION

March 2021 - March 2025

ENLIGHTENme PROJECT

Launched in March 2021, the ENLIGHTENme Project brings together experts from different scientific fields and sectors such as urban development and health research, to explore the impact of urban lighting and health & wellbeing.

Health & Urban Lighting Advisory Board (HULAB)

LUCI's main responsibility is to lead the Health and Urban Lighting Advisory Board (HULAB). Throughout the project, the HULAB will advise on innovative and sustainable principles for connecting lighting policies and implementation with citizen health and wellbeing. Fifteen cities have joined this initiative: Albertslund (DK); Brasov (RO); Cascais, Guimarães (PT); Glasgow, City of London corp (UK); Larissa (GR); Leipzig (DE); Oulu (FI); Philadelphia (USA); Ravenna, Reggio Emilia (IT); Seoul (KR); Stavanger (NO); Tallin (EE). Three pilot cities of the project are also involved in the HULAB: Amsterdam (NL), Bologna (IT) and Tartu (EE). LUCI organised the HULAB's kick-off meeting in Tartu, Estonia, in parallel to the AGM.



Shaping Light for Health and Wellbeing in Cities

In December 2021, a major international conference took place entitled "Shaping light for health and wellbeing in cities." It brought together more than 100 international participants from academia, stakeholders from the industrial sector and local authorities. LUCI members were invited to join the conference through a special Coffee Bre@k event. LUCI contributed as a discussant and rapporteur of the "Urban analytics and innovative urban lighting policies for health and wellbeing" session. The session emphasized the hard-to-find balance between creating comfortable

ambiances at night and tackling light pollution, ensuring energy efficient lighting while at the same time watching out for the feeling of security. In this complexity, the main question remains how to define and analyse what is "good lighting."

More information on the LUCI website:
www.luciclassassociation.org



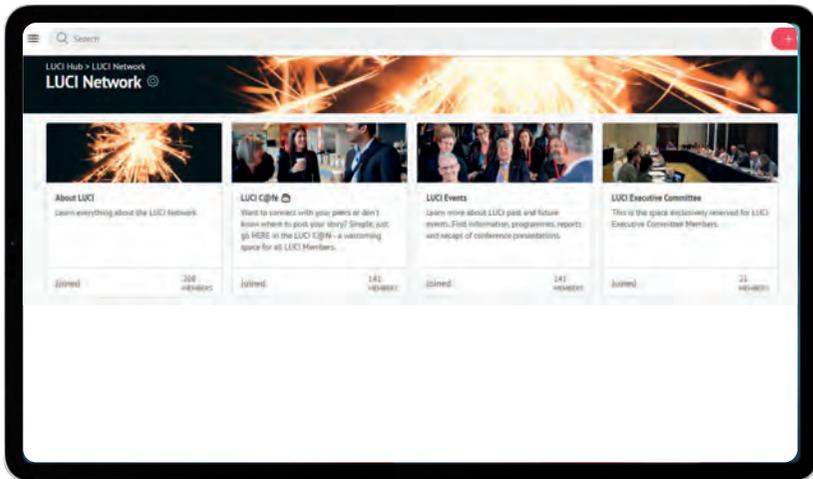
LUCI RESOURCES

LUCI is a resource centre on urban lighting, as well as an observatory for new and future applications of light in the city, capitalising on the wide range of knowledge and experiences from cities and lighting professionals worldwide existing within the network.

Through its editorial content, publications and online knowledge-sharing tools addressing key issues in urban lighting, LUCI promotes a culture of sustainable lighting.

THE LUCI Hub

The LUCI Hub is an online knowledge sharing platform where LUCI members have access to information about latest developments in urban lighting. In 2021, over 200 users have shared best practices on urban lighting projects, contributing to harness the collective intelligence of our community.



The LUCI Hub is:

- ✓ **A social space to connect with the urban lighting community online**, create new conversations, exchange lighting projects, experiences, feedback, advice, and inspiration.
- ✓ **A resource centre on urban lighting** with lighting news monitoring, case studies, event presentations, good practices, reports and more on city lighting strategies and projects.
- ✓ **A collaborative tool to build collective knowledge** with dedicated thematic spaces where you can contribute to discussions and help collectively build new ideas.

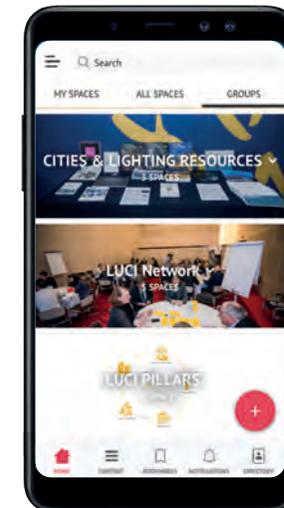
The LUCI Hub is where members can:

- ✓ **Stay tuned to the latest urban lighting trends**, news, and projects.
- ✓ **Inspire others** by sharing projects, ideas, articles, research papers or reports.
- ✓ **Contribute to LUCI working groups** on key technological and strategic questions in urban lighting.
- ✓ **Get exclusive insights** on ongoing EU projects on urban lighting and contribute by sharing expert advice.

In an era of digitalised knowledge sharing and remote working, the LUCI Hub has become a real extra benefit for all members!

TODAY, THE LUCI Hub HAS:

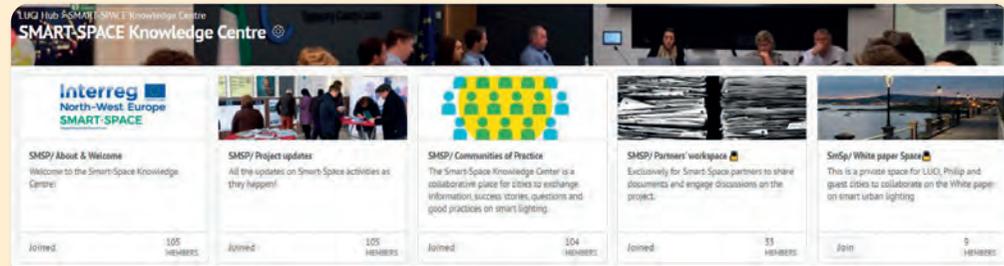
- 140 case studies and lighting projects
- 200 lighting news articles or research reports
- 260 presentations on lighting strategies or projects from past events
- 208 connected users have shared over 850 social interactions (comments, other reactions) over the last 12 months.



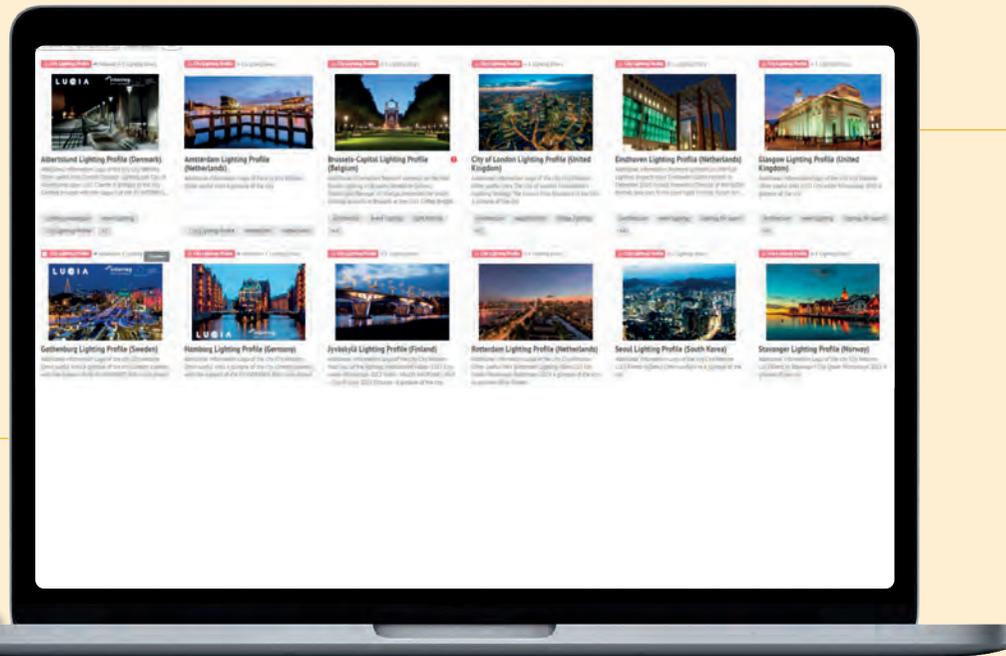
Download the LUCI Hub app and access these LUCI resources at your fingertips!



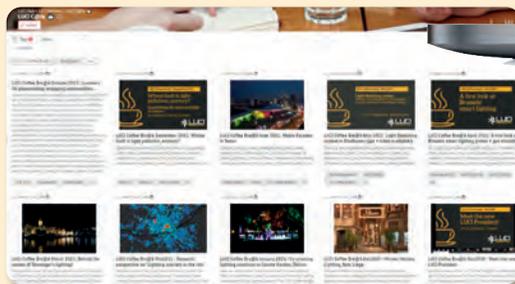
The SMART-SPACE > Knowledge Centre (KC) has been developed to provide a collaborative space for online sharing of knowledge and resources and is opened to experts from North-West Europe.



Members can easily search for specific contents in the lighting library based on tags, type of activity, featured city. The LUCI Hub is also the place to find the latest news, research and future trends in smart and sustainable urban lighting for cities.



Contribute to promote latest news, research and projects in urban lighting from your city, update your city profile, and connect with other members on the LUCI Hub! Request your access on the LUCI website.



< Members can access more than 250 presentations as well as video recordings made during LUCI events.

The Lucia Knowledge Centre > gathers experts from the Baltic Sea Region to share knowledge about sustainable and smart lighting.



COMMUNICATION & WEB TOOLS

YouTube LUCI VIDEOS

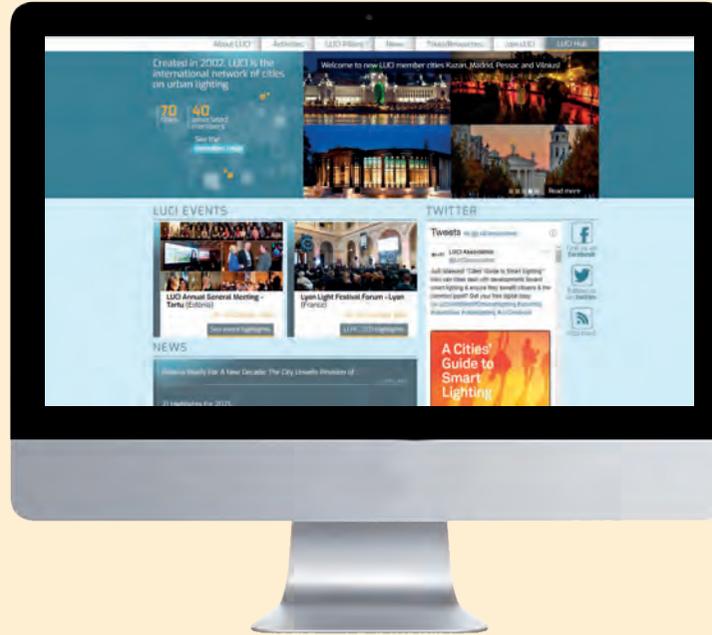
Videos on LUCI, its activities and its members
• Over 2 750 views



LUCI WEBSITE

www.luciassociation.org

- Average 2 800 users per month
- 54 articles in 2021



LUCI NEWSFLASH
Monthly e-newsletters exclusively for LUCI members.



LIGHT FESTIVAL CALENDAR

Over 65 light festivals listed by continent including information on dates, organisers, artists involved, budget, etc.



CITIES & LIGHTING NEWSLETTER

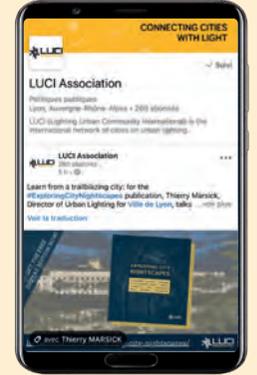
Monthly e-newsletters sharing news from LUCI and our member cities' projects with the international lighting community beyond the network. Over 1 600 subscribers!



in LUCI ON LINKEDIN

• Over 680 followers

Join us on LinkedIn!



🐦 LUCI ON TWITTER

@LUCIassociation
• Over 760 followers

Follow us on Twitter!



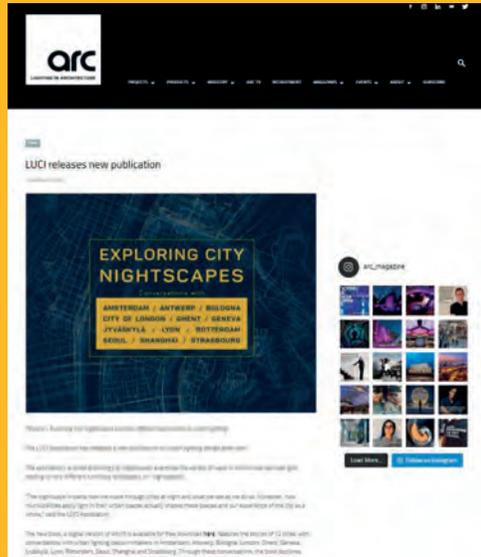
f LUCI FACEBOOK PAGE

• Over 1 440 page likes
• Over 1 645 page followers

Join us on Facebook!



LUCI IN THE PRESS



ARC (UNITED KINGDOM)



ARTLIGHT (UNITED KINGDOM)



BOLOGNATODAY (ITALY)



ILUMINET (SPAIN)



LIGHTZOOMLUMIERE (FRANCE)



STIRWORLD (INDIA)



TELEMADRID (SPAIN)

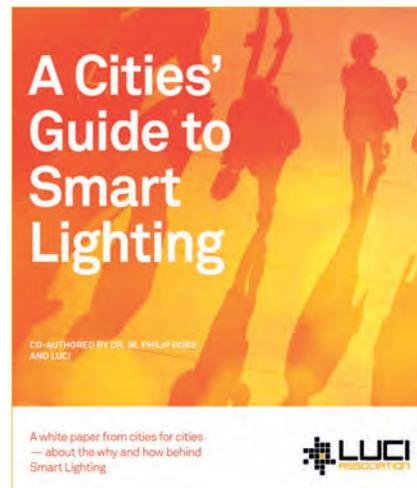
LUCI PUBLICATIONS

A CITIES' GUIDE TO SMART LIGHTING

LUCI has published the *Cities' Guide to Smart Lighting* – a white paper, from cities, for cities – aiming to help cities form their vision on smart lighting and support possible actions towards realisation.

Cities are confronted with the question of how to deal with developments towards smart lighting. How can we ensure that these changes benefit the city, its citizens and the common good?

This white paper, co-authored by Philip Ross, involved in-depth interviews with international experts in the domain, co-creation sessions with a lead city working group, and a wide-ranging consultation with the members of LUCI.



Print copies, complimentary for LUCI members, can also be ordered online.

The co-creation process involved LUCI members: Albertslund (DK), Budapest (HU), Eindhoven (NL), Glasgow (UK), Helsinki (FI), Fluvius (BE)

and international experts including: Christophe Orceau (Kurrant Consulting), Henrika Pihlajaniemi (University of Oulu), Leni Schwendinger (International Nighttime Design Initiative), Prof. dr. ir. Peter-Paul Verbeek (University of Twente), Terje Rygh (City of Stavanger), Youngho Baik (Advisory Committee Urban Lighting Seoul).

The *Cities' Guide to Smart Lighting* outlines the reasons why smart lighting should be considered and how it can contribute to a broad range of city priorities: environmental sustainability, social sustainability, citizen value, the city's internal organisation and more.

Find out why and how smart lighting plays a key role in the future of urban lighting by downloading the free digital edition here:
www.luciasociation.org

A Cities' Guide to Smart Lighting was produced by LUCI, co-financed by the SMART-SPACE project funded by Interreg North West Europe.



CITIES & LIGHTING MAGAZINE

The *Cities & Lighting* magazine – independently produced by LUCI – addresses key topics in urban lighting today and explores exemplary and innovative projects, installations and initiatives from cities worldwide.



CITIES & LIGHTING n°9

SPRING/SUMMER 2021

SMART LIGHTING: PAVING THE WAY TO A SUSTAINABLE FUTURE

This issue focuses on how smart lighting is paving the way to a sustainable future – from pilots to large-scale deployments, from challenges to opportunities. It features:

- Highlights from the cities of London, Medellín, Reykjavík and Rotterdam, among others;
- An interview with the LUCI President, Meri Lumela, Chair of the City Board of Jyväskylä;
- A different perspective on life and light in the city from Glasgow's City Urbanist;
- A look at co-creating urban lighting initiatives with partners from the Lucia – Lighting the Baltic Sea Region project.



LUCI ORGANISATION

LUCI EXECUTIVE COMMITTEE

LUCI is governed by an Executive Committee (EC) which is elected by the General Assembly of members. It defines the association's policy orientations, discusses development, management and general activities. The EC draws up the draft budget and the Association's accounts, sets the annual subscription fees, and validates memberships.

The EC is composed of nine city members (voting members):

- > Jyväskylä (Finland)
- > Lyon (France)
- > Seoul (South Korea)
- > Rabat (Morocco)
- > Albertslund (Denmark)
- > Eindhoven (The Netherlands)
- > Glasgow (United Kingdom)
- > Gothenburg (Sweden)
- > Rotterdam (The Netherlands)

The EC also includes three representatives from amongst supporting associated members (non-voting members):

- > Fluvius
- > Omexom
- > Signify



BOARD OF THE LUCI EXECUTIVE COMMITTEE

In 2021, due to the continued Covid 19 context, the EC held meetings online:

- > 4 MARCH
- > 25 MAY
- > 14 SEPTEMBER

Amongst the EC, a board is elected to ensure LUCI's governance. In 2020, during the online General Assembly, the City of Jyväskylä was elected as President.



Meri Lumela
Deputy Chair of the City Board
JYVÄSKYLÄ
LUCI President



Sylvain Godinot
Deputy Mayor, Ecological Transition and Heritage
LYON
1st LUCI Vice President



Hoon Ryu
2nd Vice Mayor for Administrative Affairs
SEOUL
Vice President for Asia



Asmaa Rhlalou
Mayor
RABAT
LUCI Treasurer

LUCI REGIONAL OFFICE FOR ASIA

The LUCI Regional Office for Asia (LROA) supports the balanced regional development of the network and reflects the lighting culture and identity of Asian cities in the global conversation on urban lighting. It is a representative office of LUCI Association in Asia which promotes and delivers activities on behalf of LUCI. LROA is managed by a Technical Coordinator, employed by the Seoul Metropolitan Government.

LUCI TEAM The LUCI Head Office consists of a team of four to five persons based in Lyon working day to day to ensure the success of the network's activities.



Mark Burton-Page
General Director



Nikita Junagade
Communication Manager
(until December 2021)



Jessica Ferey
Programme Manager



Shailaja Baichoo
Programme Manager



Noë Hautbois
Digital Communications & Knowledge Management Officer (until October 2021)

Da-Eun Lee
LROA Technical Coordinator

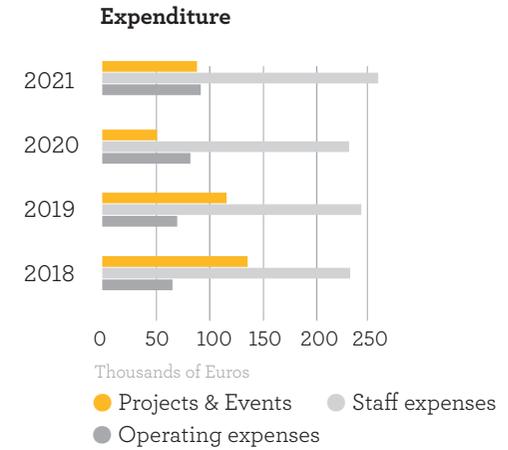
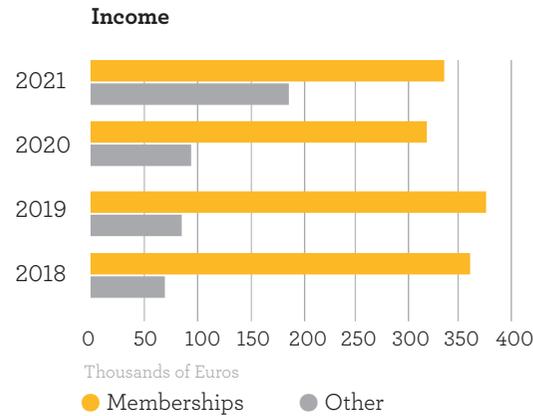
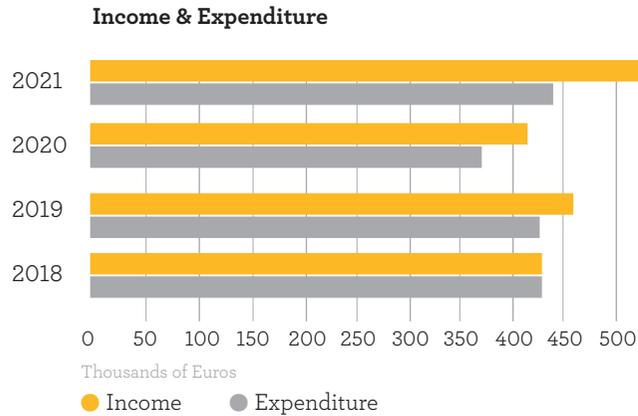


Kabcheol Kim
LROA Technical Coordinator (starting July 2021)



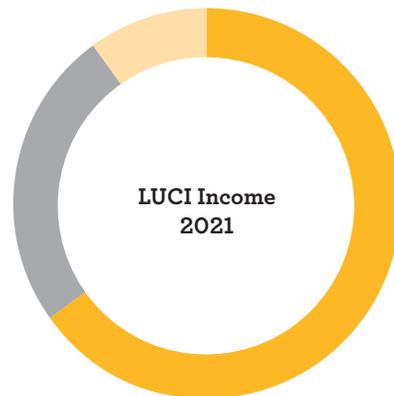
FAST FINANCIAL FACTS

FINANCIAL OVERVIEW 2018 - 2021

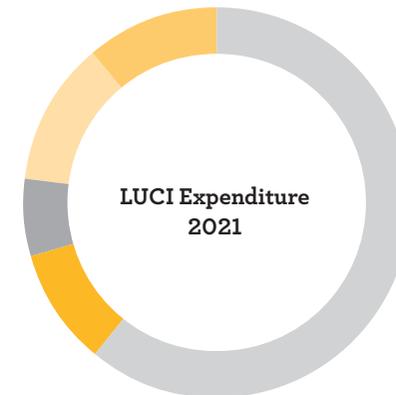


ANNUAL ACCOUNTS 2021

- Memberships
- Cooperation Projects
- Other



- Staff expenses
- Events
- Cooperation Projects
- Operating expenses
- Network & Communication



SAVE THE DATES IN 2022!



Main LUCI events in 2022

IN 2022, LUCI CELEBRATES 20 YEARS OF CONNECTING CITIES WITH LIGHT!

**LUCI 20 YEARS
GATHERING: SPARKING
THE FUTURE
OF URBAN LIGHTING**
16-18 May
Online event



**LUCI ASIA URBAN
LIGHTING WORKSHOP
(LAULW)**
16-17 June
Online event



**LUCI 20 YEARS
GATHERING: ANNUAL
GENERAL MEETING
(AGM) BUSAN**
19-22 October
Busan (South Korea)



**LYON LIGHT FESTIVAL
FORUM**
8-9 December
Lyon (France)



LUCI COFFEE BRE@KS
Held on the third Thursday
of most months from 10:00
to 10:30 CET/CEST time



*Dates and details are subject to change,
check the LUCI website for latest
updates; www.luciassociation.org*

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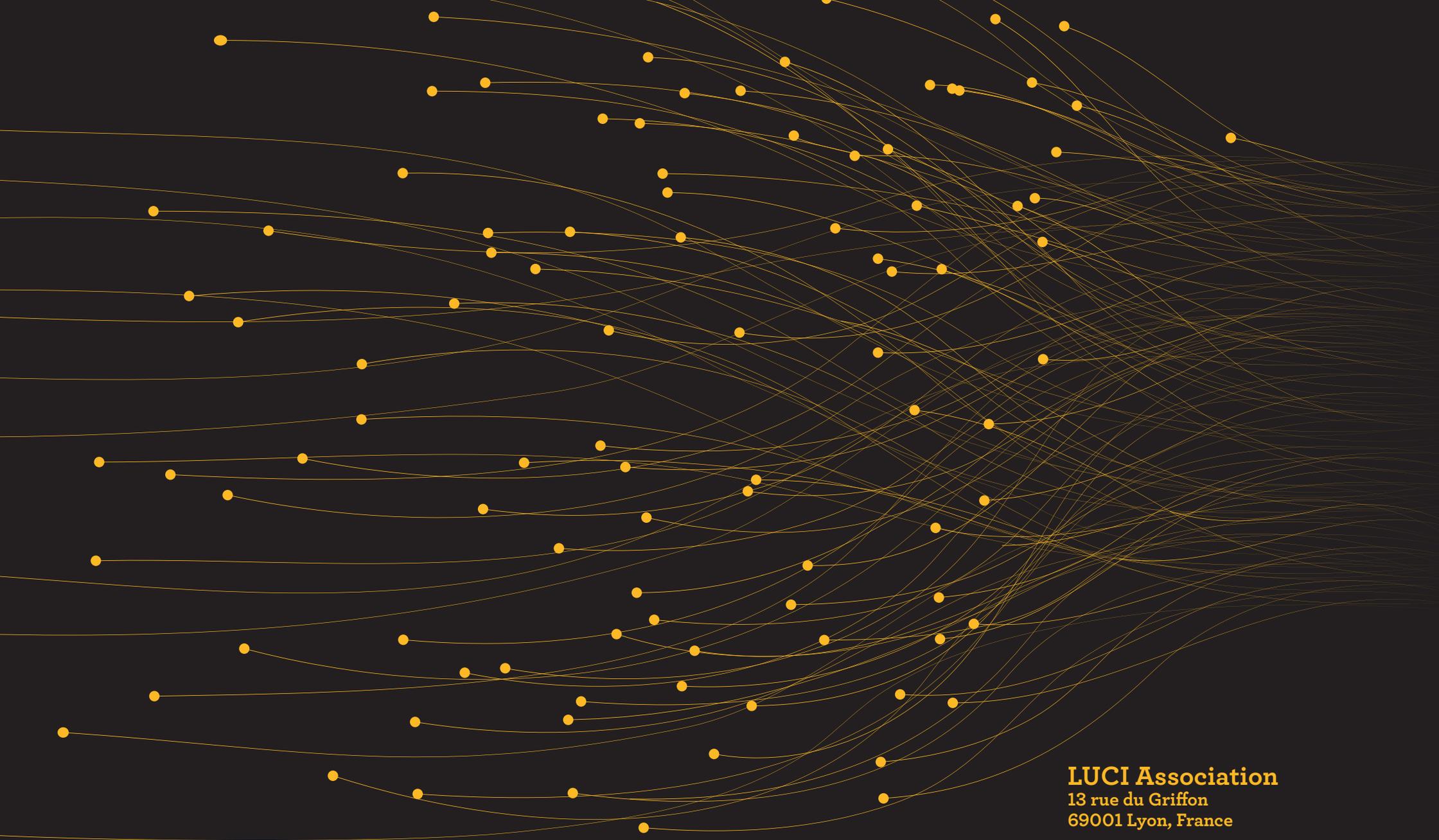
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