

LUCIA IN HAMBURG

WHERE IT STARTED – WHAT STILL REMAINS

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LUCIA

ONLINE LIGHTING CONFERENCE
22 SEPTEMBER 2021

LIGHTING THE BALTIC SEA REGION

Thomas Jacob, Free and Hanseatic City of Hamburg, Senate Chancellery, Germany

www.lucia-project.eu

WHERE IT ALL STARTED.... LUCIA AND HAMBURG

- Hamburg learned that international cooperation is a significant source of inspiration
- More than 30 years old tradition on exchange on EU-Projects
- Public lighting mostly optimized for motorized transport
- Ambition:
LUCIA as a building block to improve public space for people and the environment
(light as a design element)



LUCIA - LIGHTING THE BALTIC SEA REGION

- **Duration:** January 2019 – September 2021
- **Total budget:** € 3.12 million
- **LUCIA partners install modern LED lighting in six Baltic Sea region cities:**
 - Albertslund (DK)
 - Jurmala (Latvia)
 - Tallinn (Estonia)
 - St. Petersburg (RUS)
 - Porvoo (Finland)
 - Hamburg (Germany)



PARTNERS



Bezirksamt
Altona



Tallinn
Urban Environment and
Public Works Department



Göteborgs
Stad



Albertslund Kommune



POLYTECH
Peter the Great
St. Petersburg Polytechnic
University

SPEAKERS



Tallinn
Urban Environment and
Public Works Department



Permanent Representation
of the Federal Republic of Germany
to the European Union
Brussels



Hamburg

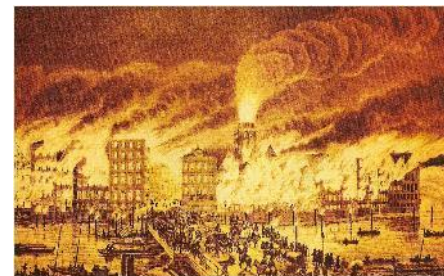
Thomas Jacob, LUCIA, Sep 22, 2021

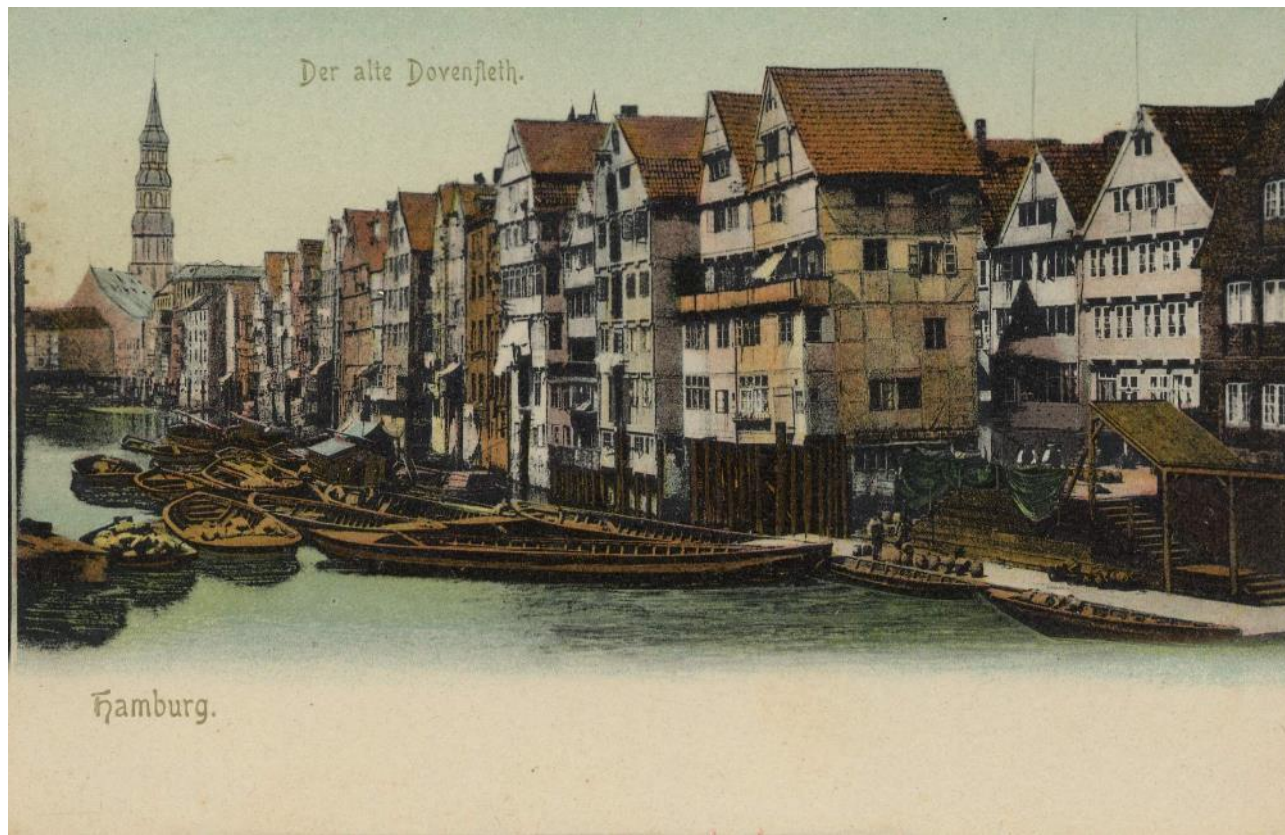


EUROPEAN
REGIONAL
DEVELOPMENT
FUND

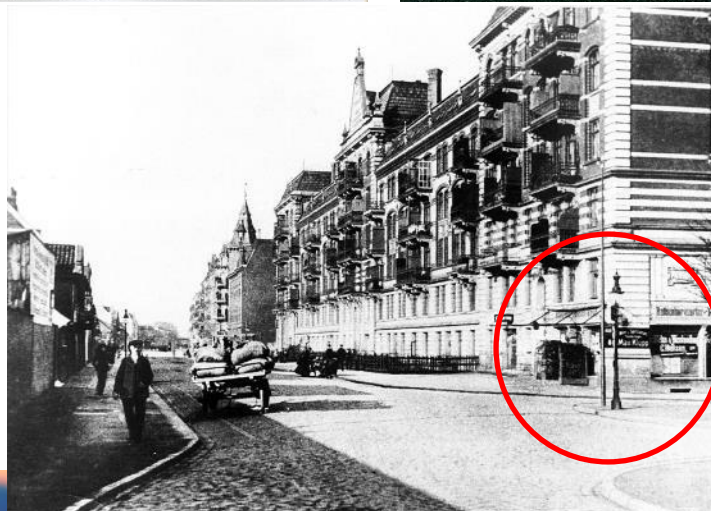


How luminous are cities?





**After dusk
–
cities just
got dark!**



Street lights:
Prominent
spots



After dusk – just dark...





Rostock i. M.

Neuer Markt. Marienkirche



Mobility and electricity – accelerators for urban light





**Urban space:
a place to be.**

HERALD SQUARE, BROADWAY AND SIXTH AVENUE, BY NIGHT. NEW YORK CITY.



After dusk:

Illuminated

Wien bei Nacht

Graben



And today?



"I want to wake up in a city that never sleeps."

F. Sinatra

Smart Cities of the 21st Century

CITY FLOW DATA
ASSET TRACKING
SENSOR PLATFORM
DATA CONNECTIONS

Sensors monitors water, air, noise, weather, waste and condition of sewer system

People movements patterns are known and are used in the city planning, security and optimisation of city resources

Buildings energy data are collected and usage is optimized in real time

Traffic are monitored and regulated in real time reducing CO2 emissions

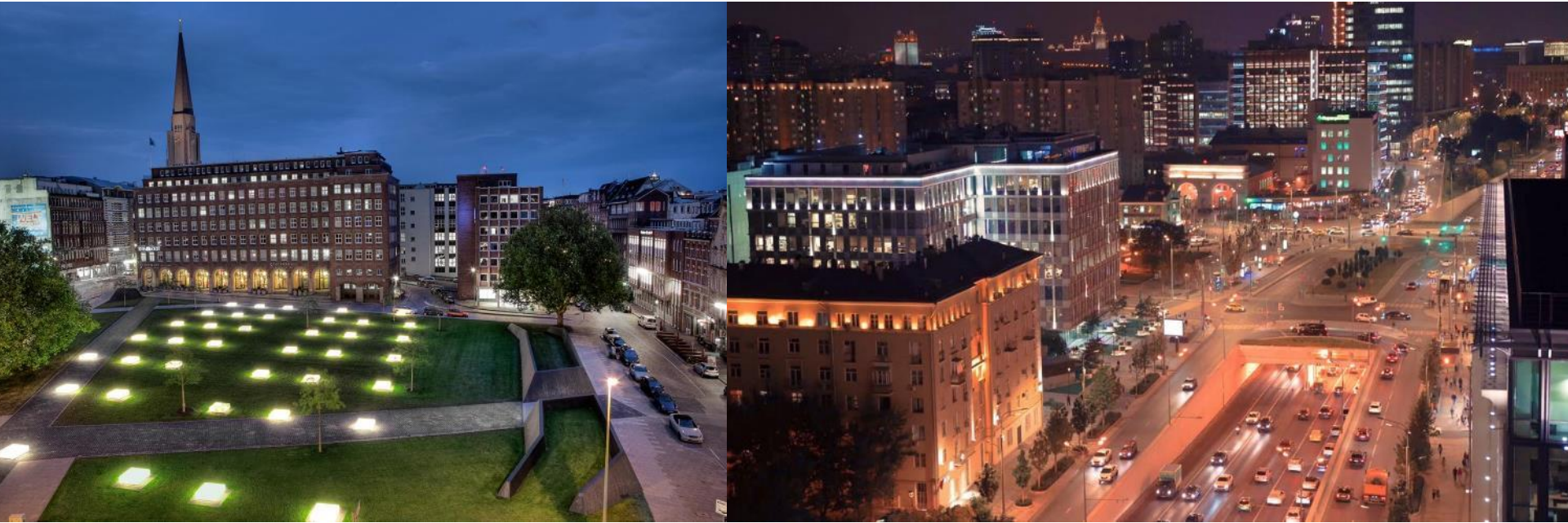
Tourist are offered free-wifi

Fleet management of citizen, municipality and company's material in real time

Free parking spaces are known in real time



Public space lighting: for whom, really?



Light concepts: mainly functional, for mobility and safety & security



LUCIA PILOTS: MORE THAN “JUST LIGHT”

GER | Schröders Elbschlosstunnel: Solutions for socially accepted and species-protective lighting

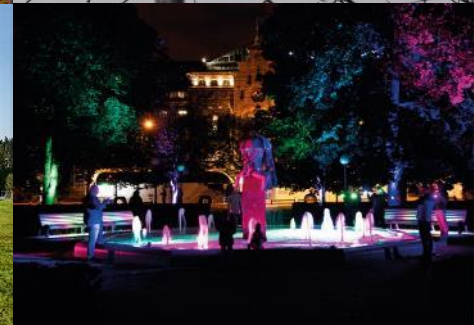
DK | Danish Outdoor Lighting Lab: Demonstrating activity-based lighting solutions on the market

FI | Innovative illuminated waterfront: pedestrian route to combine Porvoo districts

EST | Canute Garden: Creating a safe, inviting public space with changing lighting scenes

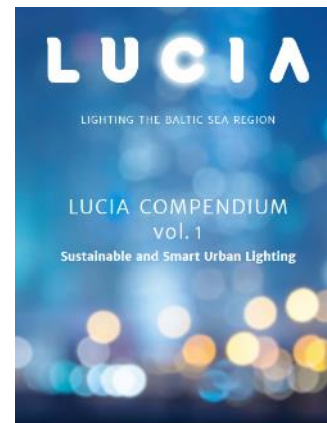
LVA | Jomas street: traditional lampposts in the city centre in a new light

RU | SPbPU campus: Innovative solutions for an energy-efficient outdoor lighting of a park alley



LUCIA: COMPENDIUM VOL. 1 + 2 FACTSHEETS MID-TERM WEBINAR SERIES

1. **people first** Cooperation for a smarter city
2. **urban design** Creating liveable urban spaces and fostering sustainable tourism
3. **target groups** Managing needs and demands towards urban lighting
4. **economic aspects** Scaling up green procurement and investments in intelligent urban
5. **multifunctionality** Technical solutions and life cycle aspects of smart urban lighting and smart city projects
6. **the future of urban lighting...is now!**



BRIDGING THE GAP BETWEEN THEORY AND PRACTICE

- from planning to implementation
- from reports to pilot sites



WELL DONE, TEAM LUCIA !!!

- First: let's be proud and celebrate
- But: let's look forward!!!

INTERREG BSR: NEW PROGRAMME PERIOD AHEAD



Priority 1.1. **Resilient economies & communities**

Priority 3.1. **Circular Economy**

Priority 3.2. **Energy Transition**

Priority 3.3. **Smart Green Mobility**



Actual work programs published:

No explicit calls for “Urban lighting” – but:
Work programs about

- **“Climate, Energy & Mobility”**
- **“Civil Security for Society”**
- **“Missions”: New European Bauhaus”**



Topics in upcoming period:2021-2027:

- **Exchange of experience**
- **Improving policy instruments**
- **Funding rate: 80%**
- **EU-wide access**
- **1st Deadlines: I/2011**



THANK YOU FOR YOUR ATTENTION

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