



MAKE THINGS HAPPEN – GREENER

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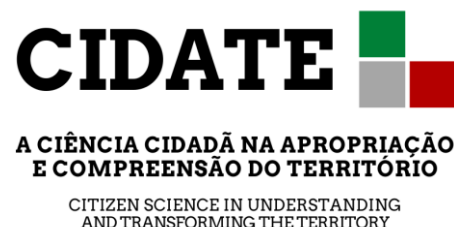


Portugal. **Lisbon** & Porto
Angola, Brazil, Cap Verde, Guinea Bissau, Mozambique

Urban Ecology, Urban Environment, Landscape Design
<https://www.ceied.ulusofona.pt/pt/investigacao/releco/cidate/>
Architecture & Urban Planning (urbanism)



Interdisciplinary Research Centre for Education and Development is a R&D Unit established at Universidade Lusófona in the research fields of **Education, Territory, Memory Studies and Human Development.**
<http://www.ceied.ulusofona.pt/>



<https://www.ceied.ulusofona.pt/pt/investigacao/releco/cidate/>



Experimental Lab of **Education and Public Space**

<https://www.ceied.ulusofona.pt/en/l3ep/>

MAKE THINGS HAPPEN

GREENER

361 measurable
benefits

Multiple and
cumulative effects
and benefits

Potential Functions and Benefits of Urban Green Spaces

Urban green spaces ...

... play a key role for recreation, enhance the quality of life for people living and working in an urban area and provide locations for different leisure, sport and play activities.

... help promote healthy lifestyles.

... contribute to social inclusion, to community development and citizenship and provide venues for cultural and social events.

... support environmental education and lifelong learning as an educational resource and help develop better understanding concerning ecological and environmental processes.

...

Urban green spaces ...

... serve as a factor in the location of new businesses.

... invigorate local businesses and neighbourhood economies by attracting tourists and investment.

... offer direct employment opportunities for those people who develop, manage and maintain the sites.

...

Urban green spaces ...

... support the protection of natural resources.

... provide wild life habitat and positively affect species diversity.

... mitigate environmental stress associated with the urban climate, by their ecological regulatory effects, absorption of emissions, the reduction of noise, reducing air pollution, controlling water run-off and form important elements for storm water management and sustainable urban drainage systems.

...

Urban green spaces ...

... define the urban structure.

... give local character and identity, provide distinctive landscape and give legibility and structure to the urban fabric.

...

**Social
Functions**

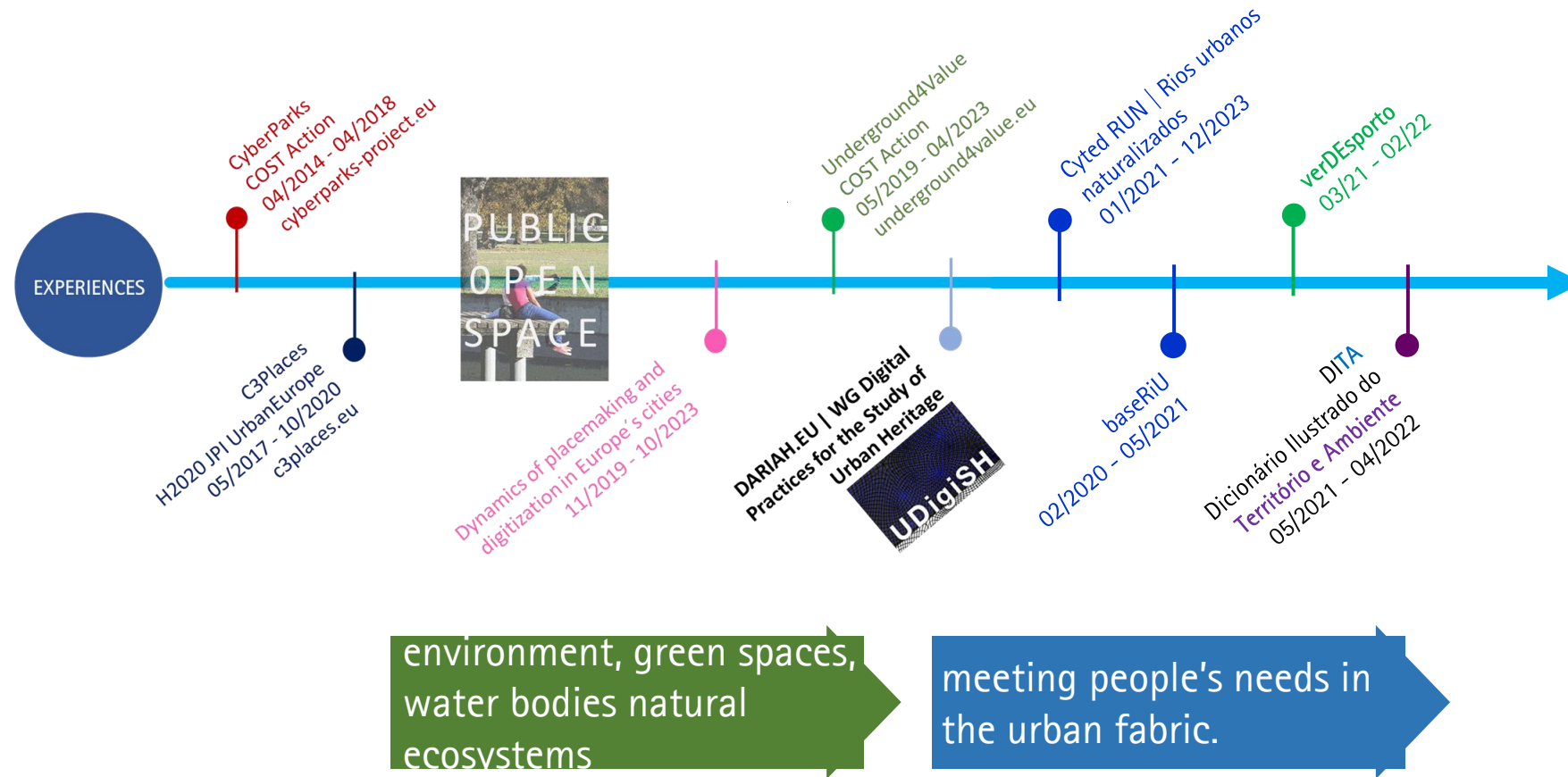
**Ecological
Functions
and
Environmental
Benefits**

**Economic
Benefits**

**Design and
Planning**

URGE 2004





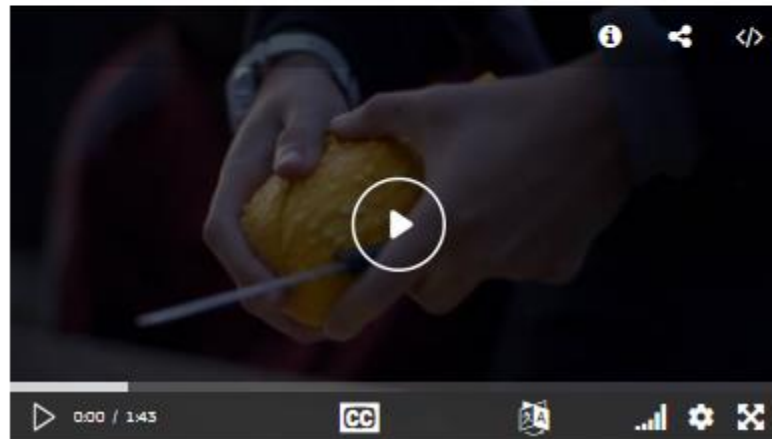


<https://ec.europa.eu/info/strategy/priorities-2019-2024/european-green-deal>

Home > Strategy > Priorities 2019-2024 > A European Green Deal

A European Green Deal

Striving to be the first climate-neutral continent



Climate change and environmental degradation are an existential threat to Europe and the world. To overcome these challenges, the European Green Deal will transform the EU into a modern, resource-efficient and competitive economy, ensuring:

- no net emissions of greenhouse gases by 2050
- economic growth decoupled from resource use
- no person and no place left behind

The European Green Deal is also our lifeline out of the COVID-19 pandemic. **One third of the 1.8 trillion euro** investments from the NextGenerationEU Recovery Plan, and the EU's seven-year budget will finance the European Green Deal.

nature-based solutions



Nature in cities ...

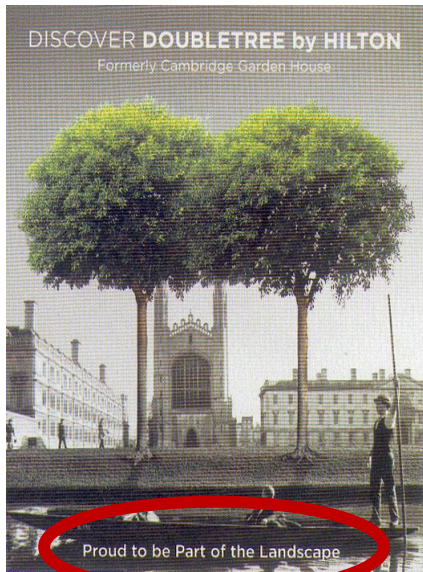
public spaces

green spaces | green infrastructure

ONLY OPPORTUNITY TO MEET NATURE IN CITIES

private spaces ...





Cambridge.uk



Germany

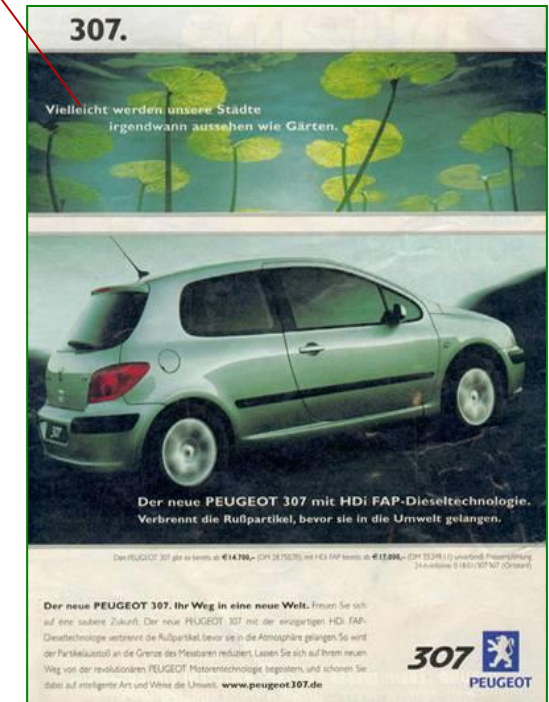
Maybe one day all cities will be gardens



USA



London.uk





Sofia.bg



Milão.it

... biophobic
cities?
... biophilic



Paris.fr

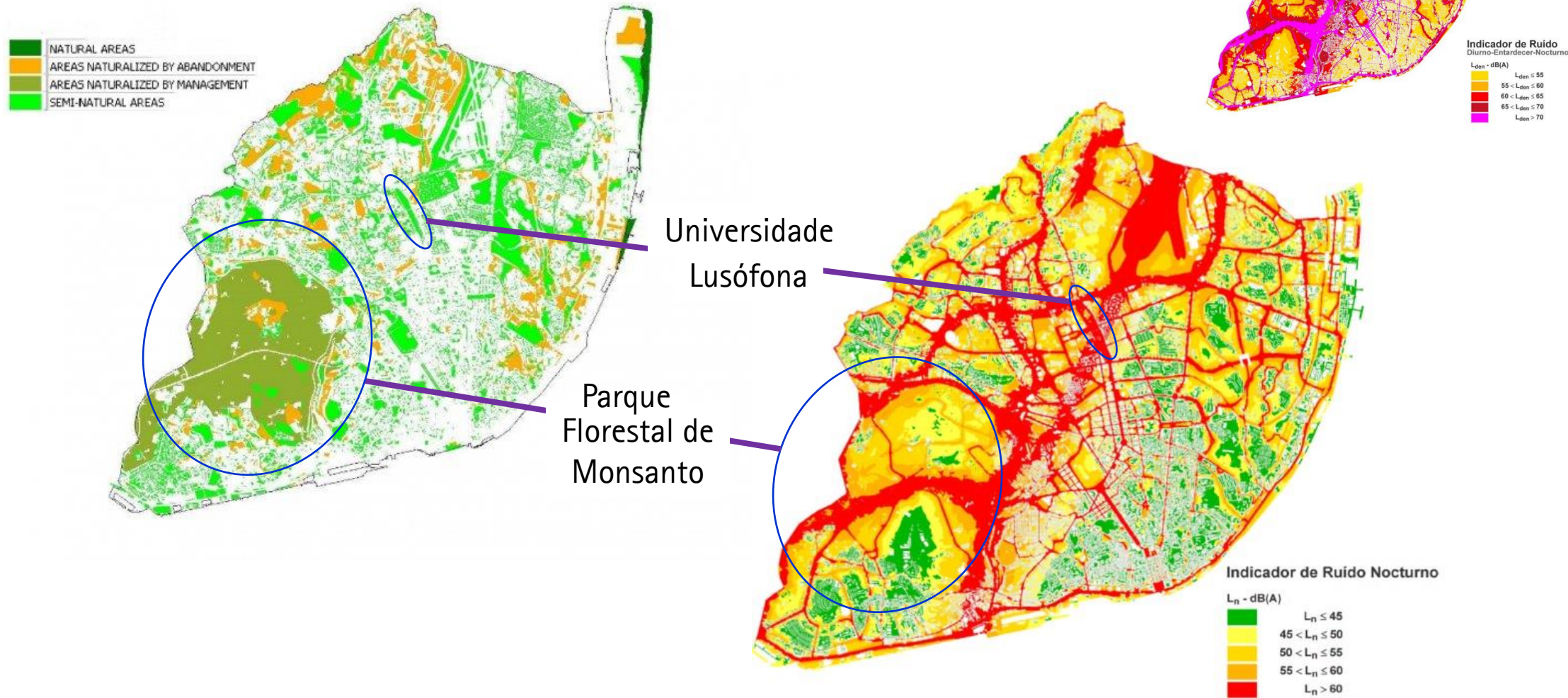


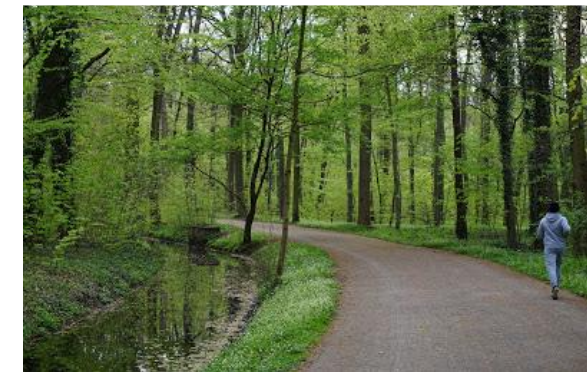
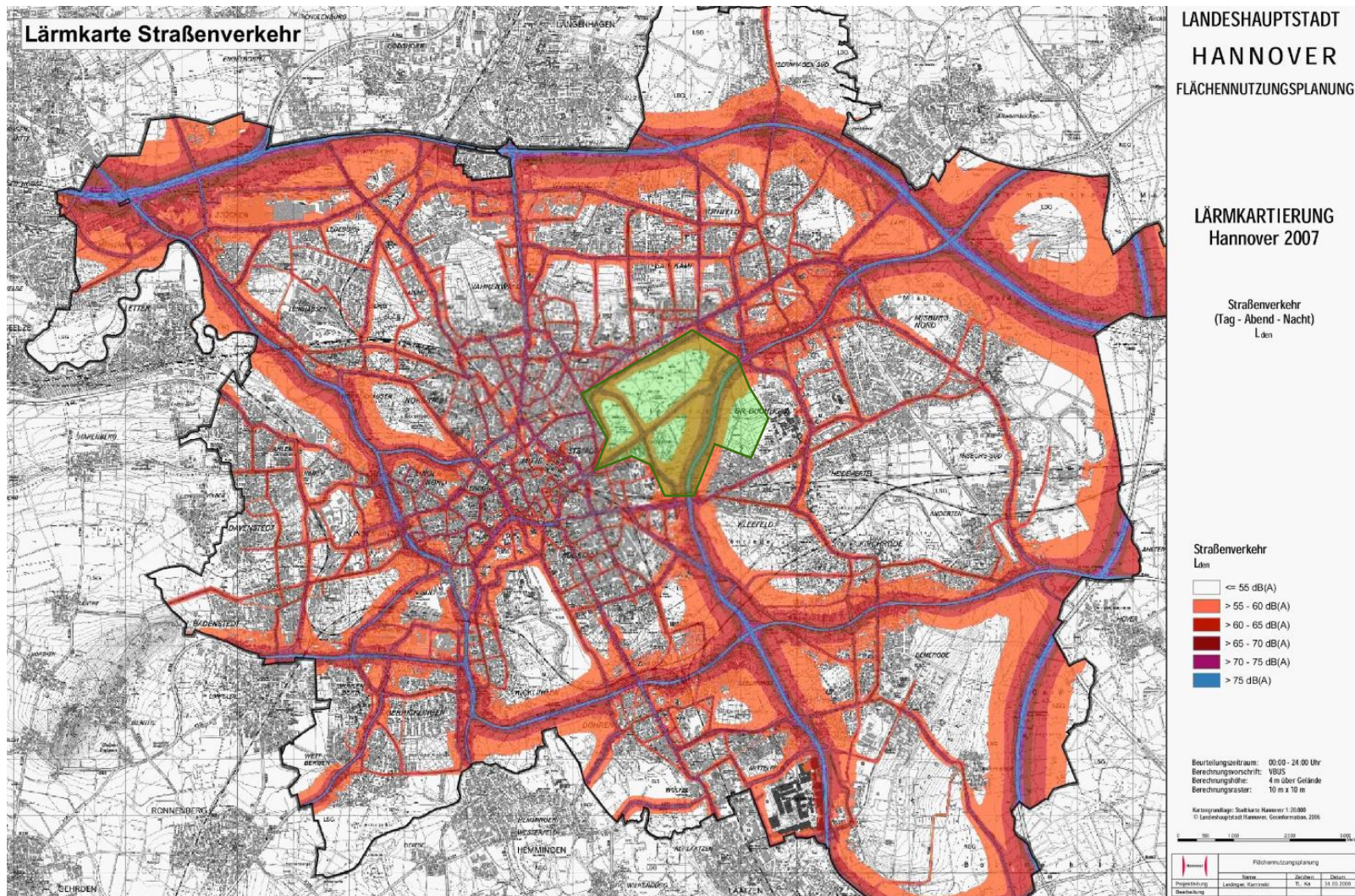
Lisboa.pt





Lisbon (noise poluição – nights 9PM to 6AM (2010)





Landeshauptstadt Hannover,
Flächennutzungsplan, 2010

640 ha
Centro de Educação Ambiental
2 trilhas de exercícios
8 clareiras/gramados para banhos de sol
9 playgrounds
80 km de trilhas para caminhadas
38 km de ciclovias
11 km percurso equestre

| CARLOS SMANIOTTO COSTA |



social inequities & green infrastructure

Cascais.pt



Cova da Moura, Amadora.pt



Rio de Janeiro, Ipanema



Rio de Janeiro, Rocinha





social inequities & green infrastructure

Cascais.pt

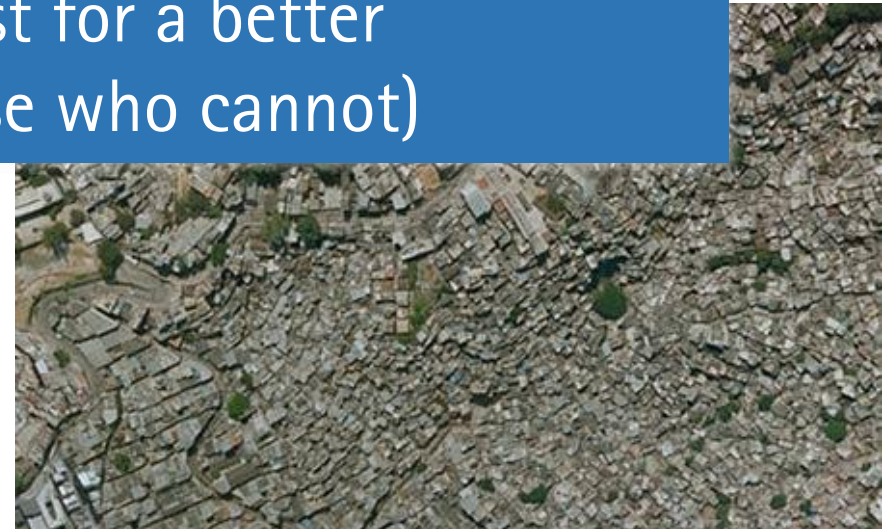


Cova da Moura, Amadora.pt



- Uneven distribution of green in urban fabric
- Mapping green is mapping richness
- People who can request for a better environment (and those who cannot)

Rio de





IS THIS A GOOD SIGN?

a green park instead a parking slot



Lisbon.pt



JARDIM
DO CARACOL
DA PENHA

<https://www.caracoldapenha.info/>



"Agora o Câmara de Lisboa vai ter conversar e trabalhar connosco ... "
Now the Lisbon Council will have to talk to us and work with us ...



Lisbon
Participatory
budgeting



„Biodiversität im urbanen Raum – Wie?“

Forstering biodiversity in densely built up areas

2016 – 2018 | 2019 – 2021
German Nature Foundation
Leibniz University Hannover/
Hannover City Council

<https://www.staedte-wagen-wildnis.de>



- High density built up neighbourhoods
- Uneven provision of neighbourhoods with green spaces



- Local opportunities and constraints
- Local micro-climate
- „natural areas“ in urban settings



- Develop construction technology for "small" green
- demonstration through pilot project



salami tactic



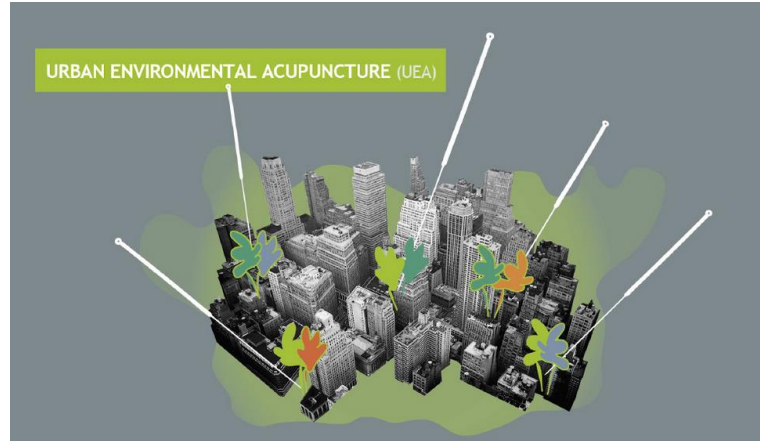
Hannover.de



Reichwein, S., Smaniotto Costa, C., Westerholt, D. (2019). Fostering biodiversity in densely built-up areas. A contribution to the debate on research needs. In Menezes, M. & Smaniotto Costa, C. (Eds.). Neighbourhood & City – Between digital and analogue perspectives. Lisbon: Edições Universitárias Lusófona, pp 167–184

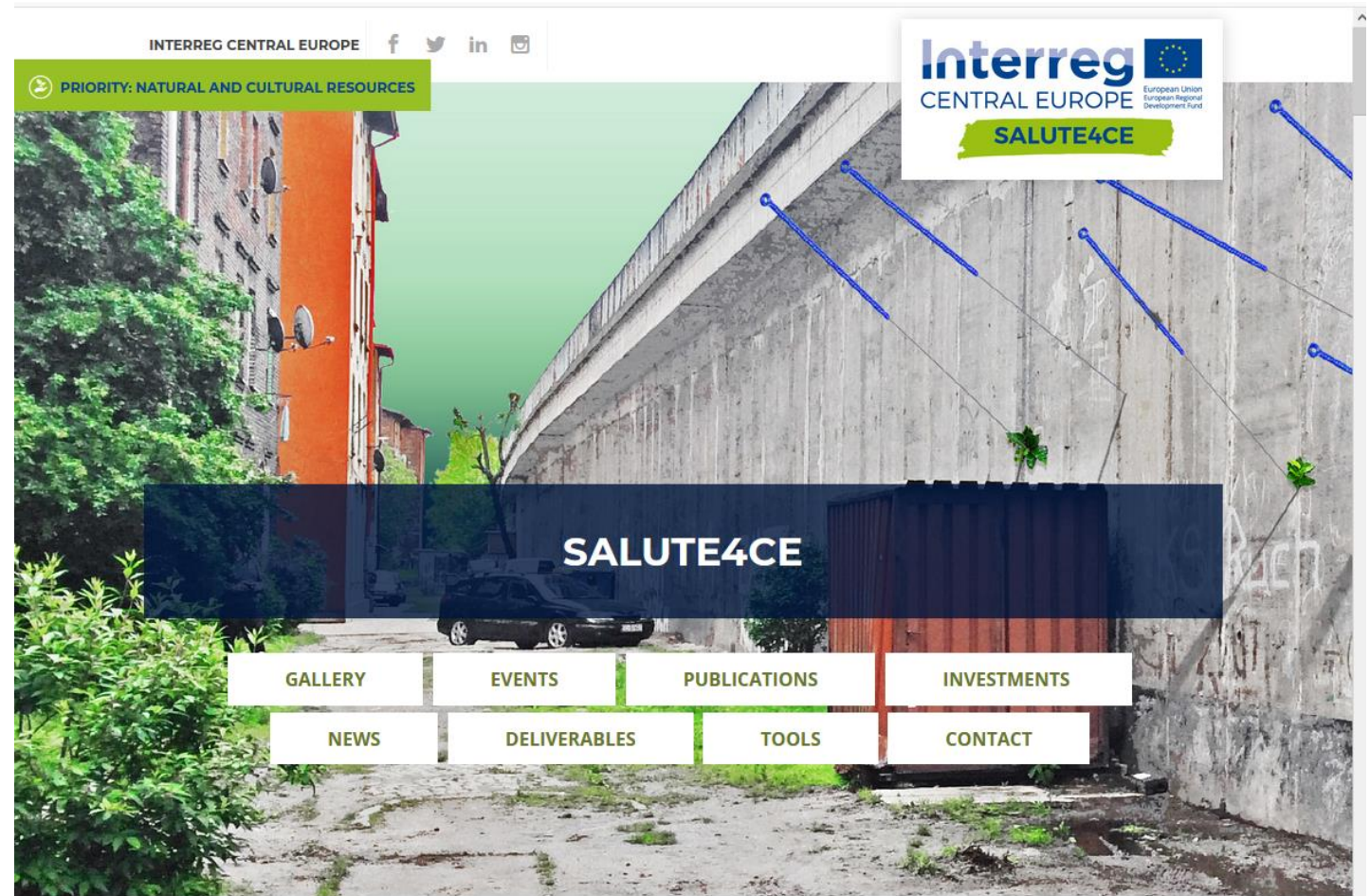


urban acupuncture



SALUTE4CE

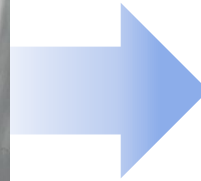
INTEGRATED ENVIRONMENTAL
MANAGEMENT OF SMALL GREEN
SPOTS IN FUNCTIONAL URBAN AREAS
FOLLOWING THE IDEA OF ACUPUNCTURE



<https://www.interreg-central.eu/Content.Node/SALUTE4CE.html>

raise awareness, impart knowledge towards
motivate behaviour change.

Jane Jacobs (1961) > spatial approach: Jacobs addressed the functions of **sidewalks** and gradually augmented her attention to public spaces, green spaces, and parks before she dealt with the built environment.

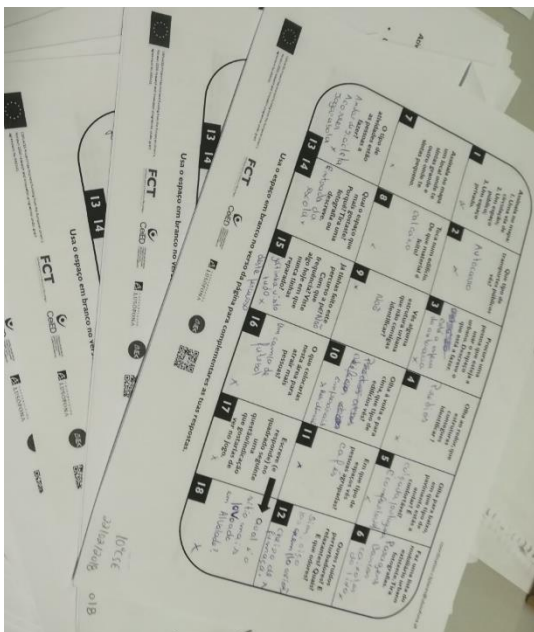




C3places

Using ICT for Co-Creation of Inclusive Public Places

www.c3places.eu



C3PLACES Project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 693443.

FCT
Fundação para a Ciência e a Tecnologia

CeiiED

CENTRO DE ESTUDOS
INTERDISCIPLINARES
EM EDUCAÇÃO
E DESENVOLVIMENTO

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Nature connotes many settings ...

- the word **nature** is intended to be broad and inclusive (although, for the most part, the discussion excludes fauna)
- nature here is not limited to those faraway, vast, and pristine places where there has been little human intervention, or to places designated as "natural areas"
- **Nature in cities includes** the often as "green" described areas: **parks and open spaces, meadows and abandoned fields, street trees and backyard gardens ...**
- **places near and far, common and unusual, managed and unkempt, small, big, and in-between > where plants grow by human design or even despite it.**
- nature includes **plants and various forms of vegetation** and their arrangement/coexistence/interaction in a space and to other elements in the environment



More than Weeds

<https://morethanweeds.co.uk>

Kaplan, R., Kaplan, S. (1989). The experience of nature: a psychological perspective. Cambridge: Cambridge University Press.



Road Map towards better green cities

- *Decrease (over-)exploitation of the natural resources* |
- *Invest in green infrastructure* |
- *Reduce car dependency* |
- *Inclusive cities* |

Greening is however a common good and more than just an addition, it's a pathway to healthy people, and liveable cities



MAKE CHANGES HAPPEN



- Societal Pressure >> to Change Policies and Politics
- *Compliance with Development Instruments and setting new policies*
- *Proactive Leadership* understanding when there is a need for change (and when it does not) and who can be the **drivers**
- *Networking and Learning Process* > multi-disciplinary approach, a comprehensive scope is a warrant in the delivery of cost-effective and long-term sustainable solutions and this throughout each phase of planning process
- *The Role of Design* > good design is fundamental to achieving high-quality, attractive spaces and places that are socially, economically and environmentally sustainable





MAKE CHANGES HAPPEN

(urban) Planers & co.



innovative ideas

Participative planning



(territorial) empowerment



quality of urban life

Decision taking



urban agenda



Tiergarten_Berlin_2012



Banksy_LA 2010



(Garden) Green can not make us good but they can make us better!

Damon Young

Choose more nature, not less technology

Sue Thomas

thanks

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