

Green Cities Checklist

A Subjective Rating Rubric

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INTRODUCTION

"That we need new models of urbanization—that is, sustainable urbanization—is especially clear here in the U.S. Where to look for new models is always a question, and as this book [Green Cities of Europe] argues, European cities remain a powerful source of potent ideas and inspiring practice."

> —Tim Beatley Green Cities of Europe



When Beatley's *Green Cities of Europe* was published in 2012 it struck a resonate chord: Our architecture program had been looking toward Europe as inspiration for successful green urban design solutions for more than a decade. Unlike the United States, the European Union has taken a proactive stance on combating climate change, first by signing the Kyoto Protocol in 1998 (ratified in 2002) and second by enacting regulations that set strict energy and emissions goals that municipalities and individual design firms have sought to achieve.







Could the rating system be based on the Freiburgh Charter?

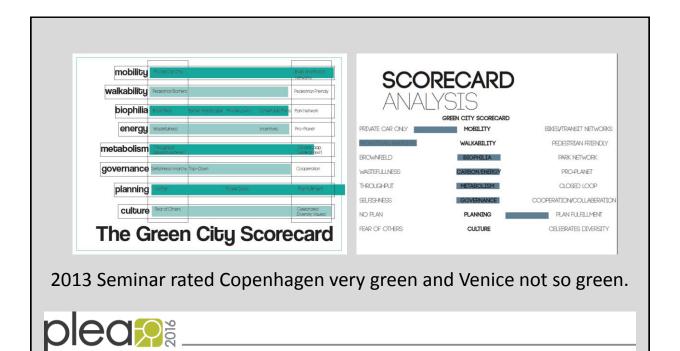
Instead we used Beatley's section headings in the introduction to *Green Cities of Europe*—Sustainable Mobility, Walking Cities, Biophilic Cities, Climate Change and Renewable Energy, Sustainable Urban Metabolism, Green Cities/Green Governance, and Models for the Future.



The Freiburg Charter for Sustainable Urbanism

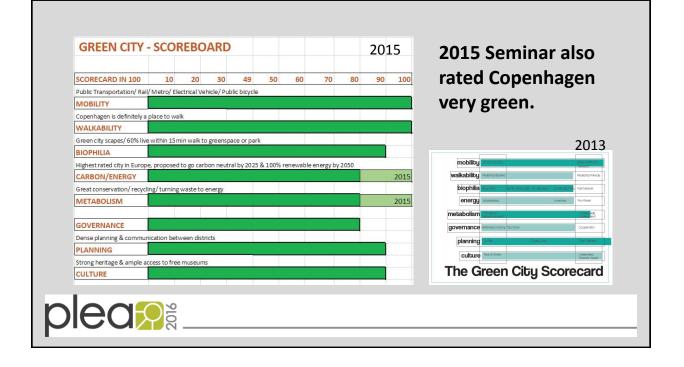
The Twelve	Guiding	Principles
Spatial	Content	Process
Diversity, Safety, & Tolerance	Education, Science, & Culture	Long-Term Vision
City of Neighborhoods	Industry & Jobs	Communication & Participation
City of Short Distances	Nature & Environment	Reliability, Obligation, & Fairness
Public Transport & Density	Design Quality	Co-operation & Partnership

Beatle	Beatley's Green Seven					
Paris, France	Venice, Italy					
Freiburg, Germany	Vitoria-Gasteiz, Spain					
Copenhagen, Denmark	London, England					
Helsinki, Finland						
Could these cities all be u						



	INDIVIDUAL ISOLATED REACTIVE			HOUSEHOLD			NEIGHBORHOOD			CITY			REGION		
							В	IOPHIL	A						
WHEN	Р	IP	C	Р	IP	C	Р	IP	C	Р	IP	C	Р	IP	
WHAT	P=PAST			IP = IN PROCESS			C = COMPLETED								
green spaces	hards	scapes, l	awns	private gardens, xeriscapes shake/shingle roofs, permeable pavement			community gardens, allotments			public park system			network of parks and greenbelts		
building features	pav	vement, d rooms	lark			green roofs, green walls, incentives			garden roofs, green corridors, habitat			brownfield conver sions			
water	ex	cessive u	ISE	low-flow fixtures, grey-water recycling			living-machine water treatment			municipal water conservation ini- tiative			constructed wet- lands network		

The 2015 seminar aimed to add more of	detail to the checklist, e.g. Biophilia detail:
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The opportunity to discover was embraced by the students...

UK PROGRAM

For a month, our group travelled from the damp but cozy outreaches of Edinburgh and Glasgow to London to Wales and back. I loved the refuge of the Royal Parks, the grandness of the Rail Stations, the chaos of the markets, and the delight of the evening theatres.

Wales offered just the right amount of a break from the city while providing interesting vegetarian meals, glorified camping, and a closer look on how to conserve energy and live sustainably. My favorite moments were usually the small moments that took me by surprise, but sometimes they were the ones I would have expected; seeing Les Miserables or A Midnight Summer's Dream or visiting Stonehenge.

Mostly, I will miss walking the city, discovering the places not found on a map, the local pubs, the strange markets, or the perfect view. It seems to me that London is a city worth living in, even as it grows and changes and especially as it takes on the challenges of being more sustainable.

DISCOVERY 7: THE DOCKLANDS REVIVAL-PLANNING The site for this experience is Canary Wharf and its Museum of London Docklands, Victoria Docks and Its Crystal Exhibition and Emir-ates Air Line, and/or the North Greenwich Peninsula with It's O2 Centre.

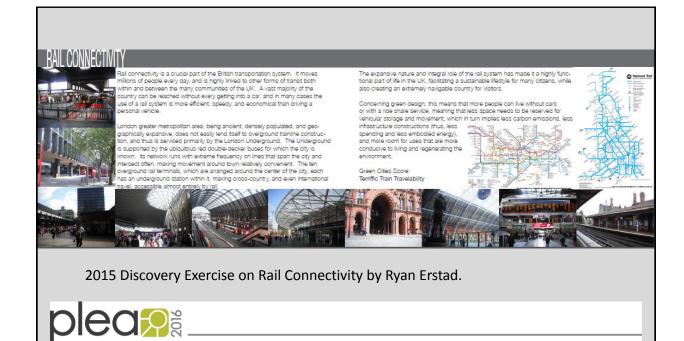
DISCOVERY 8: RAIL CONNECTIVITY-MOBILITY The sites for this experience are Euston, King's Cross, Paddington, and St. Pancras train stations and work with comparison to other rail-

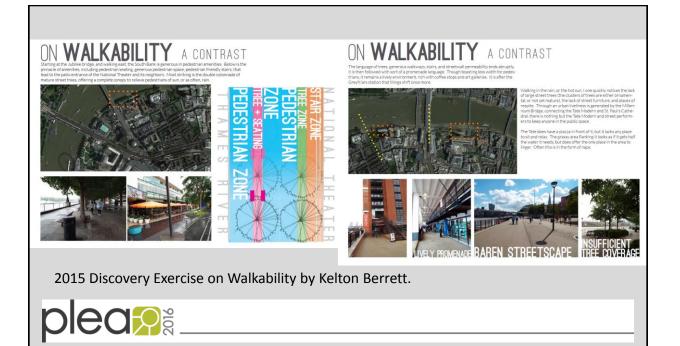


their connections to public transit—Boris bikes, bus, tube, and overground. You may augment the way stations throughout the UK.

plea

The summer 2015 discovery exercises in London were reconceived to be keyed to a specific checklist criterion (e.g., Planning or Mobility) to investigate their usefulness. Students were asked to analyse at least one additional criterion to evoke the complexity inherent in such assessments.





CONCLUSION

The Green Cities Checklist is being developed as an instructional tool for stimulating critical thinking and subjective analyses of purported green cities as well as serving as a hands-on tool for exploring specific features of our London studies abroad course. So far the checklist development process has been successful in stimulating in-class discussions, critical thinking, and analytic presentations, but has yet to be proven viable as a hands-on tool for analysing and understanding sustainable urbanism.





SMART CITIES

We're not alone in our concern.

We used to live in silos where the role of certain sectors was clear. Companies provided products and services to generate a profit. Nonprofits and NGOs performed selfless acts to save the world. Cities silently made the world run in ways that most of us never even noticed. With the advent of smart cities, things look quite different. Cities are now at the epicenter of the technology evolution with the integration of the Internet of Things (IoT), big data and connected technology.

-Chelsea Collier, Editor-At-Large, Smart Cities Connect

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