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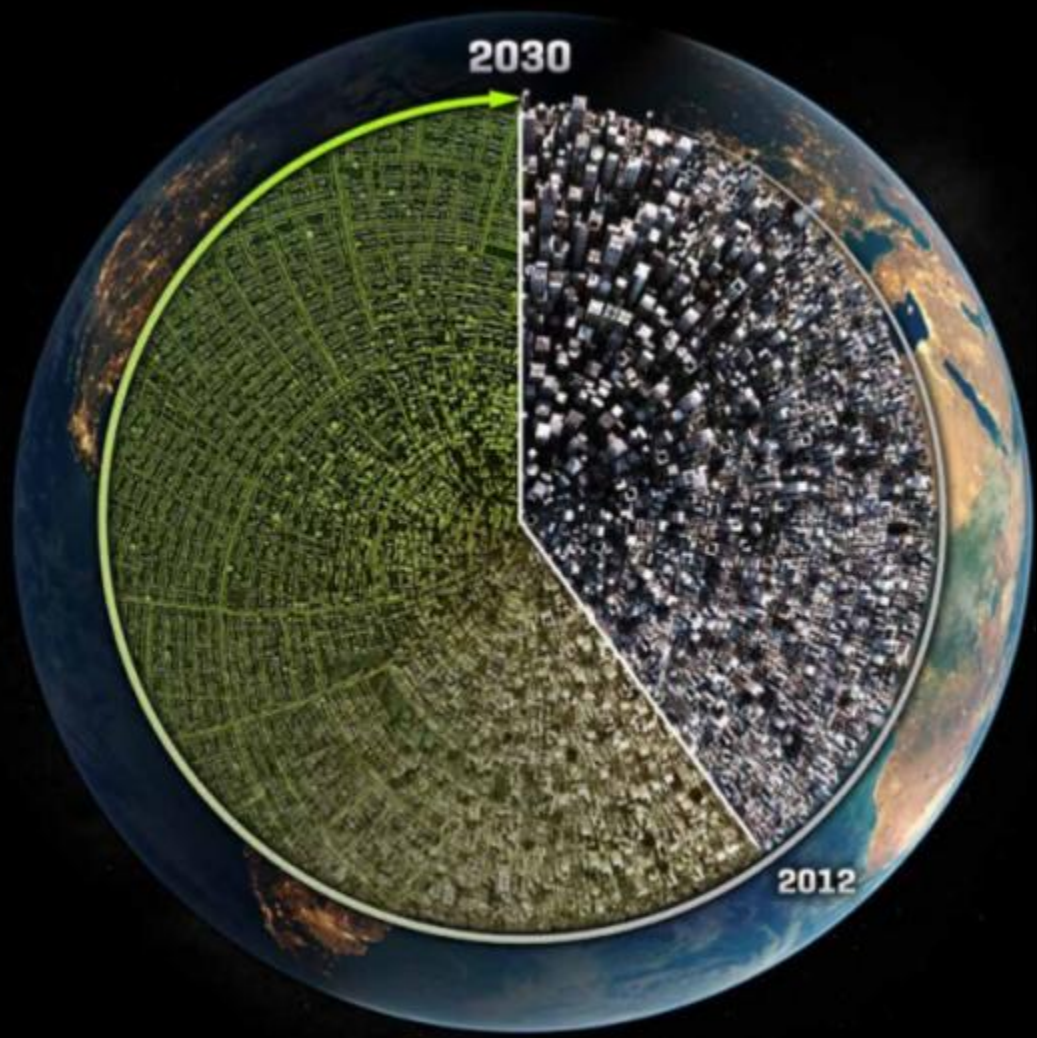
# 10 Key Messages on Cities & Biodiversity

**NEN Conference  
Edinburgh, Scotland, 6 February 2013  
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ICLEI – Local Governments for Sustainability**

# CHALLENGES & OPPORTUNITIES

MORE THAN 60% OF THE AREA PROJECTED TO BE URBAN IN 2030

# HAS YET TO BE BUILT





Convention on  
Biological Diversity

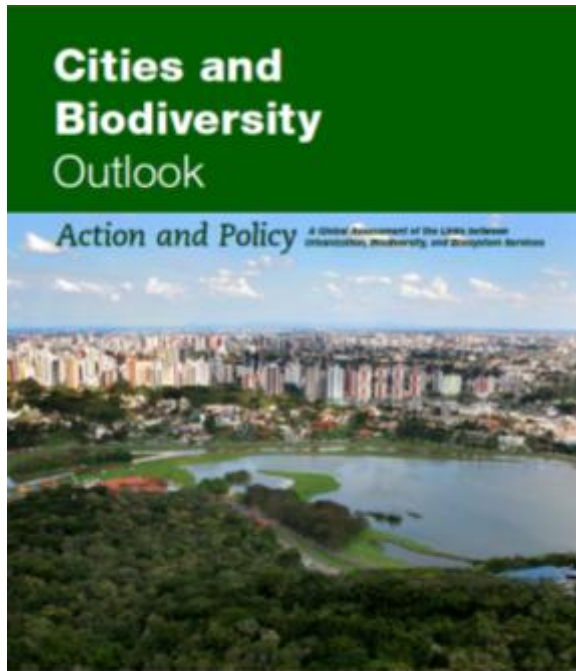
Stockholm Resilience Centre  
Research for Governance of Social-Ecological Systems



Stockholm  
University

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Local  
Governments  
for Sustainability

## Cities and Biodiversity Outlook - Action and Policy



Stockholm Resilience Centre



United Nations Decade on Biodiversity

# KM1: Urbanization is both a challenge and an opportunity to manage ecosystem services globally

- ✓ *Measure footprints*
- ✓ *Reduce footprints*
- ✓ *Maximise efficiency gains*



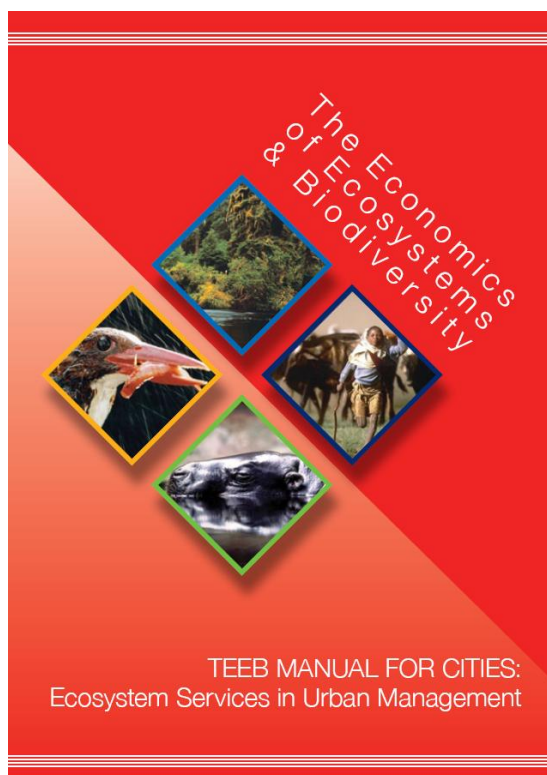
## KM2: Rich biodiversity can exist in cities



- ✓ Monitor biodiversity
- ✓ Restore habitats
- ✓ Protect priority areas



## KM3: Biodiversity and ecosystem services represent critical natural capital



- ✓ *Identify, recognise and capture ecosystem services in economic terms*
- ✓ *Integrate ecosystem service values into decision-making*



## KM4: Well-managed urban biodiversity benefits human health



- ✓ *Ensure citizens have access to high quality green space*
- ✓ *Beautify neighbourhoods with biodiversity*
- ✓ *Combat air-, noise-, and water pollution with ecological solutions*
- ✓ *Mitigate the urban heat island with trees*
- ✓ *Promote local food markets*





## **KM5: Incorporating biodiversity and ecosystems in urban planning and design helps to reduce carbon emissions and enhance adaptation to climate change**



- ✓ *Address urban heat island and insulate buildings with ecological infrastructure*
- ✓ *Increase storm-water absorption capacity with green space*
- ✓ *Protect upstream watersheds*
- ✓ *Promote local food markets*



## KM6: Food and nutrition security depend on local and biodiversity-based food systems



- ✓ *Preserve local agro-biodiversity*
- ✓ *Protect land tenure*
- ✓ *Improve rural-urban linkages*
- ✓ *Create stakeholder forums*



## KM7: Ecosystem functions must be integrated in urban policy and planning



- ✓ *Develop a Local Biodiversity Strategy and Action Plans (LBSAP)*
- ✓ *Integrate biodiversity considerations into decision-making including trade and procurement policies*



## KM8: Successful management of biodiversity and ecosystem services includes all levels and all sectors



- ✓ *Foster strategic partnerships*
- ✓ *Align LBSAP vertically and horizontally*



## **KM9: Cities offer unique opportunities for learning and education about a resilient and sustainable future**



- ✓ *Embed biodiversity into local educational curriculum*
- ✓ *Encourage school field trips*
- ✓ *Create learning centres and information boards*



**KM10: Cities have a large potential to generate innovations and governance tools and therefore can and must take the lead in sustainable development**

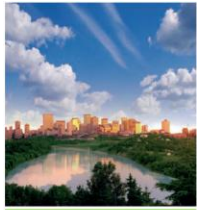


- ✓ *Be bold and experimental*
- ✓ *Encourage innovation*
- ✓ *Share knowledge*
- ✓ *Learn from others*



# ● LAB Pioneer 5 steps





Edmonton, Canada



Barcelona, Spain



Leicester, U.K.



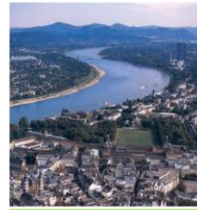
Île de France, France



Tilburg, The Netherlands



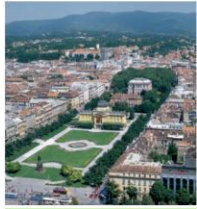
Amsterdam, The Netherlands



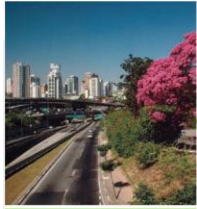
Bonn, Germany



King County, U.S.A.



Zagreb, Croatia



São Paulo, Brazil



Curitiba, Brazil



Walvis Bay, Namibia



Ekurhuleni, South Africa



Johannesburg, South Africa



Durban, South Africa



Joondalup, Australia



Liverpool, Australia



Cape Town, South Africa  
Host City of ICLEI Africa Secretariat



Seoul, South Korea



Nagoya, Japan



Waitakere, New Zealand

**ICLEI**  
Local  
Governments  
for Sustainability



**LAB**  
Local Action for Biodiversity  
AN ICLEI - IUCN PROGRAMME

# 21 LAB Pioneers (2006-2009)



# A way forward



- ✓ *Upscale LAB Pioneer Project*
- ✓ *Enhance capacity building*
- ✓ *Decentralised cooperation*
- ✓ *Local Biodiversity Strategies & Action Plans*
- ✓ *Streamline local government access to funds*



 **Thank you**



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