



Natural Succession or Designing Nature?

The Case for Urban Climate Change Adaptation and Mitigation

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ECBCC Conference, 17-19 November, Bonn

Urban greening:

- Letting nature grow?



Urban greening:

- Letting nature grow?
- or design it?

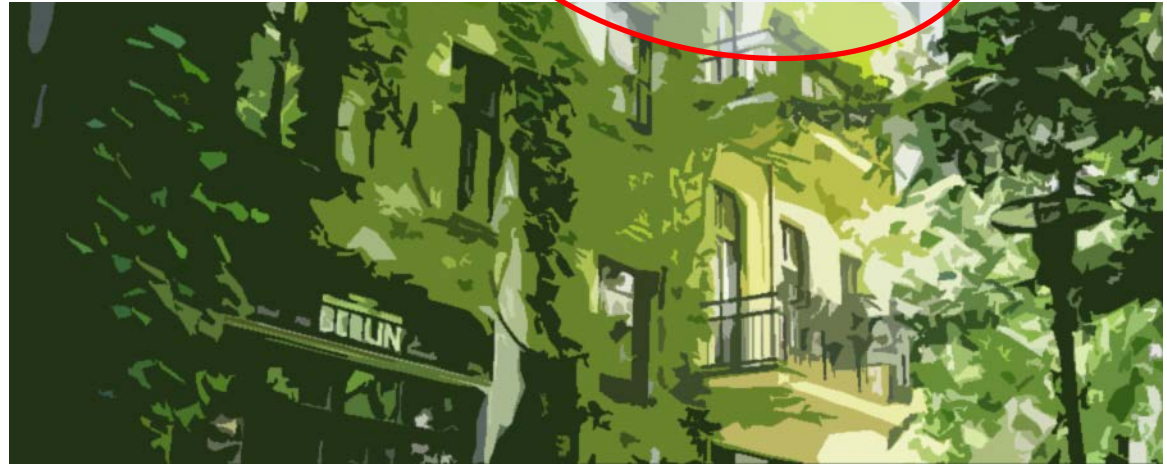


- Urban functions?
- Climate adaptation and/or mitigation?
- Biodiversity; conservation?
- „Naturalness“?
- Sustainable? Risks?
- Aesthetical?
- Affordable?
- Timeliness?



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*competing
goals*





Biodiversity

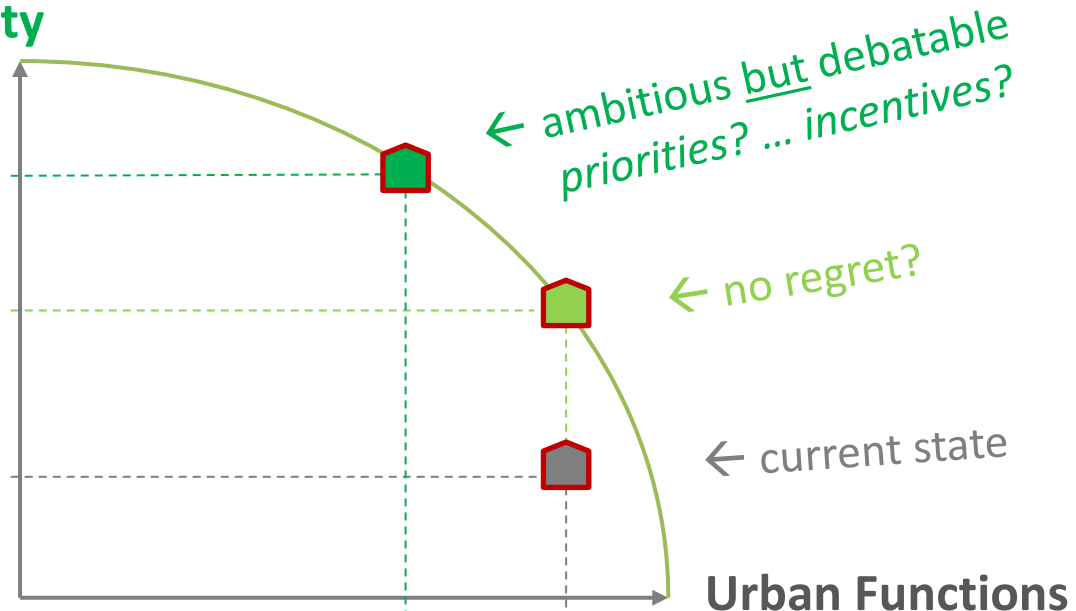


Urban Functions

adapted from Marggraf (2001)



Biodiversity



adapted from Marggraf (2001)

Aims & criteria	Priority factor	Designing urban nature	Natural succession
Urban functions	p_u	$1 \times p_u$	0
Climate adaptation	p_c	?	?
Biodiversity	p_b	$0.5 \times p_b$	$1 \times p_b$
Sustainable	p_s	0	$1 \times p_s$
Naturalness	p_n	0	$1 \times p_n$
Aesthetic	p_{ae}	$1 \times p_{ae}$	$0.5 \times p_{ae}$
Affordable	p_a	0	$1 \times p_a$
Timeliness	p_t	$1 \times p_t$	0
... <i>others?</i>
Weighted total sum	

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... others?
Weighted total sum	

- If-then reasoning, when priorities are *debatable*
- Advisory, when *consent* on some priorities
- Binding, when consent *on all* priorities of all relevant criteria