



Sveriges lantbruksuniversitet
Swedish University of Agricultural Sciences

Building smart cities through urban open space governance and management

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Professor

Towards a Horizon Europe mission on climate neutral and smart cities
December 4, 2019

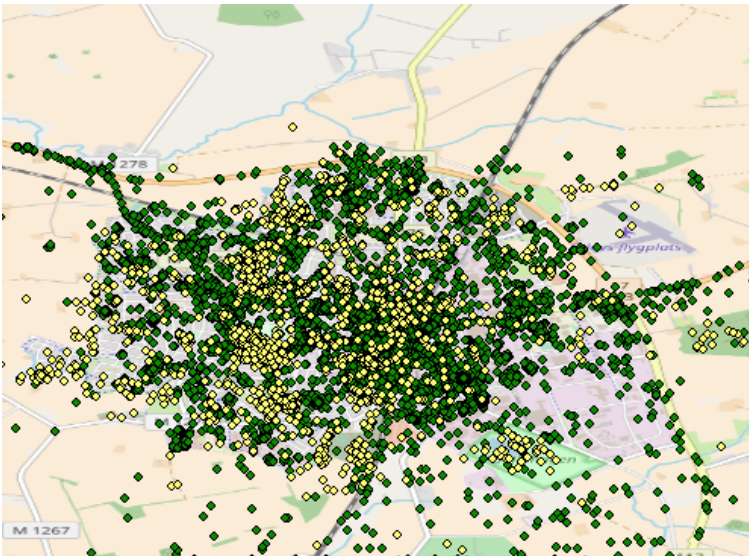
Urban green spaces as a well documented response to many of the contemporary challenges

Smart, fast, effective
><
Nature, slow, long-sighted

GreenSurge: Green Infrastructure and Urban Biodiversity for
Sustainable Urban Development and the Green Economy
EU 7th Framework Programme

Smart management

Mobile applications and GPS-tracking to raise public engagement and collaborative governance, to understand values and behaviors
- and to make management more effective, to document operations etc.



Cultural Ecosystem Services in Eslöv

SLU MOVIUM Partnerskap with Eslöv municipality



Smart technology becomes
smart governance;
empowering citizens to co-
produce and co-manage
urban landscapes

**But can 'smart' be other
than technological driven?**



Multi-functionality
Co-production / Applied
Frameworks
User groups

When municipalities sets the research agenda:

Formas; SLU, Lund U, Malmö U., 4 municipalities

Urban Forum - Practice meets Academia

SLU Urban Futures & Lund University's Urban Arena



Urban Green Infrastructure for Optimizing Long-Term Provision of ESS:
Developing a Universal Framework Under Different Cultures and Climates
Formas; SLU



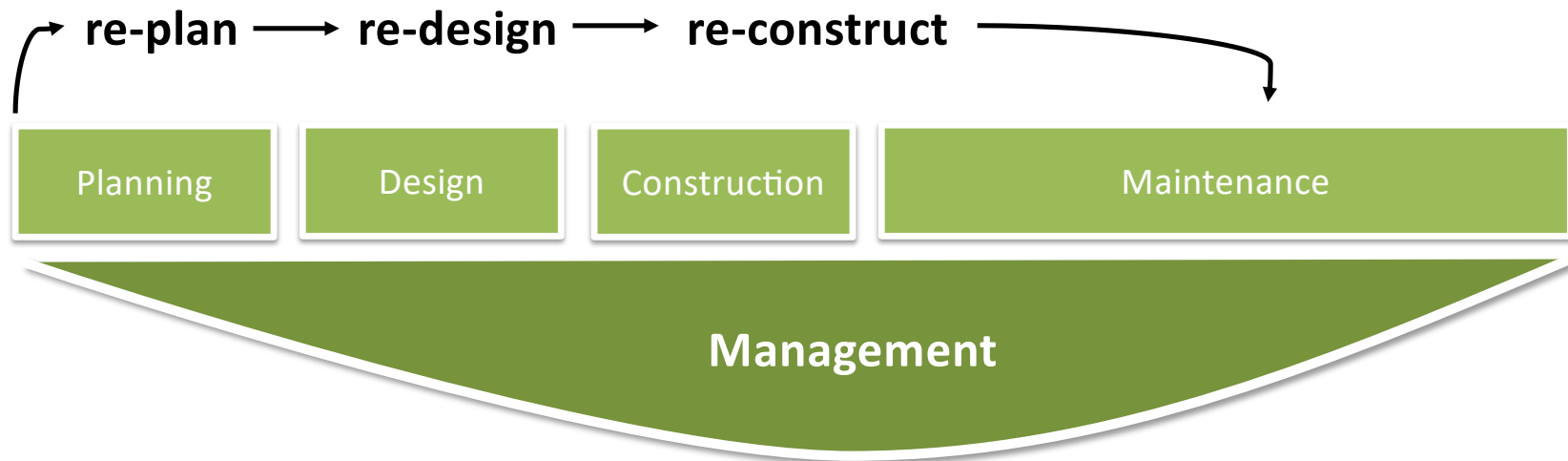
Car-free districts

Vinnova; Lund U., SLU

**Child friendly urban environments -
meaning and management**

Formas; SLU & Lund U

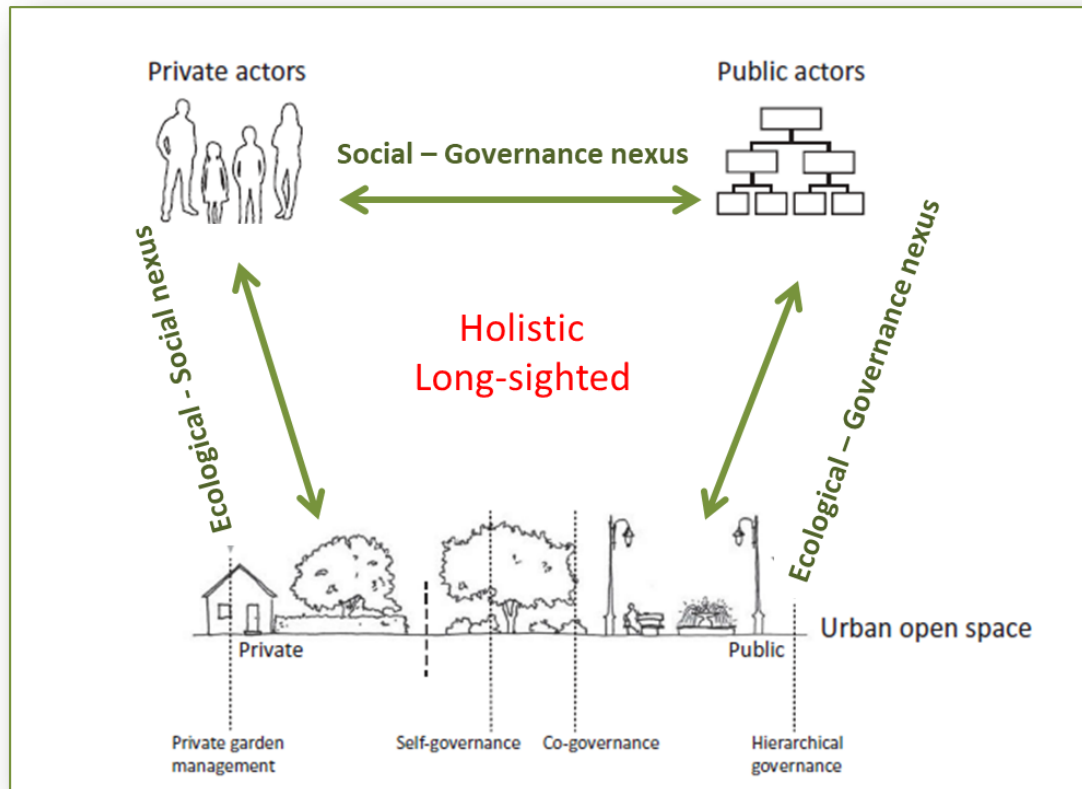
The social-ecological-governance system in a long-term perspective



Jansson, Vogel, Fors & Randrup (2018)

The governance of landscape management: new approaches to urban open space development, Landscape Research

The combined social-ecological-governance system as a (smart) response to the challenges



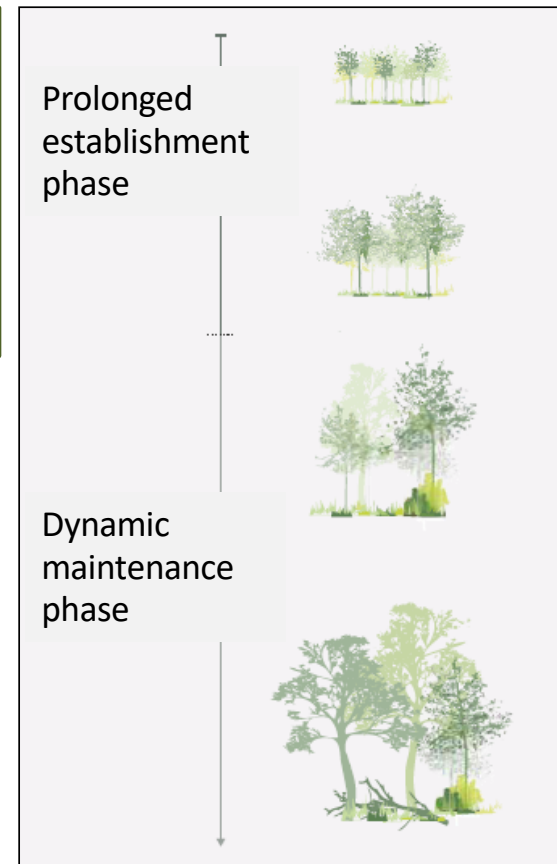
Engagement post-project
Growth beyond techniques

Randrup, Buijs, Konijnendijk & Wild.
Moving beyond the Nature-based
Solutions discourse: Introducing
Nature-based Thinking.
Urban Ecosystems (Submitted)

Nature to inspire Governance

- Holistic & Long-term Climate Adaptation

- Set the goals
- Create a Partnership design, construction and maintenance
- 10 year perspective -



SLA Landscape, 2017

Smart cities through urban open space governance and management Holistic & Long-sighted

– short and long term
results:

A new urban nature
A new urban aesthetic
A new type of co-co-co
New types of governance
structures

REGREEN (2019-2022)
Fostering nature-based
solutions for smart, green
and healthy urban
transitions in Europe and
China. H2020-SC5-2018-
2019-2020. EUR).

CONEXUS:
Co-producing NBS and
restored ecosystems -
transdisciplinary nexus for
urban sustainability
Proposal under evaluation
(2nd stage)
SC5-13-2018-2019b