Green Qualities in Transport Efficient Cities

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Azureus Manus (2013), Chemsford, UK
The Compact City

- Counter reaction to the car dependent dispersed suburban city

- Aims to make cities more energy efficient, sustainable and attractive (car independent, relies on public transport, walking, biking, and provides access to green qualities)

- Uses two main approaches: densification and multifunctional landuse
Challenges to the Compact City

- Market forces foster dispersed cities
- Lack and slow application of densification policies
- Sustainability of the city model is questioned (lack of studies on conflicts)
- Need to explore the conflicts between urban densification and provision of access to green spaces
Research Questions

- What are the conflicts that can arise when aiming to develop dense, energy efficient, green quality cities?

- In what ways can these conflicts be best managed?
Methods

- Literature review
- Study of relevant examples
- Interviews
- Workshop (financed by Nordic Road Forum)
Stockholm Region and potential case studies

Barkarby field

Lidingö

Albano

Rosenlundsparken
Rosenlundsparken
Albano Resilient Campus
Results

**Integration**
- sectors
- municipal cooperation
- disciplines
- scale
- lack of tools

**Differing objectives**
- planning objectives
- interests, power

**Conservation focus**
- polarized discussions
- eco. processes not considered

**What conflicts can arise when developing dense, energy efficient, green quality cities?**

**Perception of urban nature**
- passive, hidden
- low understanding of urban ecosystems
- excluded from planning

**Lack of ecosystem services approach**
- systems perspective
- participation
- prioritising difficult

**Hard to support sustainable travel**
- car focus
- mobility focus
- tech. focus
Conclusions and future research

- It is important to understand the conflicts surrounding the compact city concept

- One way to do this is to study the role that green qualities play in the compact city

- It is important to develop approaches that facilitate the management of these conflicts and that enhance the integration of green qualities in urban planning
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Thank you!

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