

# Integrated Spatial Planning

## Transformative Urban Mobility Initiative

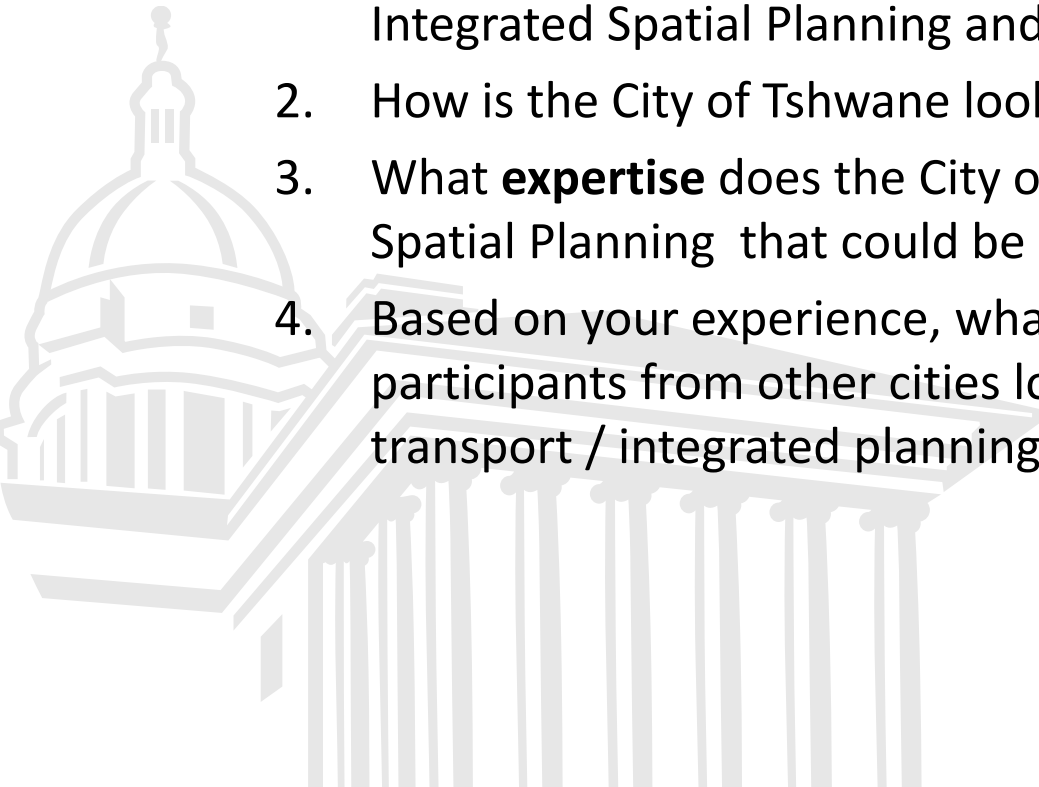
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# Content

- 1 How does **Integrated Spatial Planning** contribute toward **sustainable mobility** in the City of Tshwane.
- 2 What **challenges** does the City of Tshwane face in relation to Integrated Spatial Planning and why?
2. How is the City of Tshwane looking to **improve** the situation?
3. What **expertise** does the City of Tshwane have in Integrated Spatial Planning that could be shared with other cities?
4. Based on your experience, what **advice** would you give to participants from other cities looking to improve public transport / integrated planning in their cities?





# Integrated Spatial Planning & Sustainable mobility





# Documents & Role Players

IDP

MSDF

RSDF

BEPP

GSDF

NDP

ITP

Sector Plans

CoT [Planning, Roads, Housing, Strategy]

Gauteng [Roads, Housing, Planning]

Sanral

GMA

Prasa

Bus services

Taxi industry

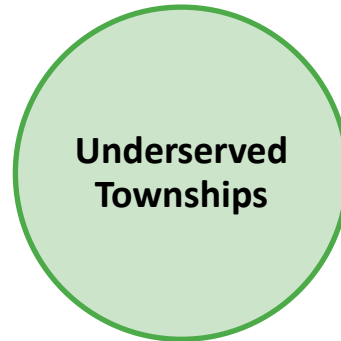
Property developers

Transnet

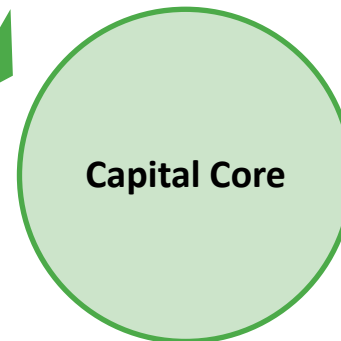
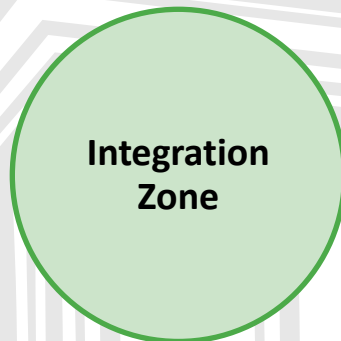
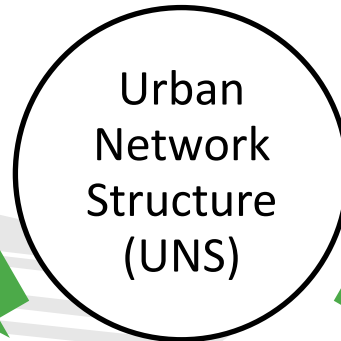
Road Freight Association

# 2018/19 Built Environment Performance Plan

## Sub-Section B: Spatial Planning and Targeting



- Marginalized Areas (Deprived Areas)
  - Deprivation Index
    - HH Income (25%)
    - HH Size (5%)
    - HH Dwelling Type (5%)
    - HH Cooking (10%)
    - HH Heat (5%)
    - HH Light (5%)
    - HH Piped Water (20%)
    - HH Toilet(20%)
    - HH Refuse Disposal (5%)



- Capital Core
- Metropolitan Nodes
- Urban Cores

- **Integration Zone**

- Targeted Spatial Infrastructure Investment Areas
  - Economic
  - Social
- Activity Corridors
  - BRT Phase 1
  - Brooklyn; Hatfield; Menlyn



# 2018/19 Built Environment Performance Plan

## Sub-Section B: Identification of the Integration Zone

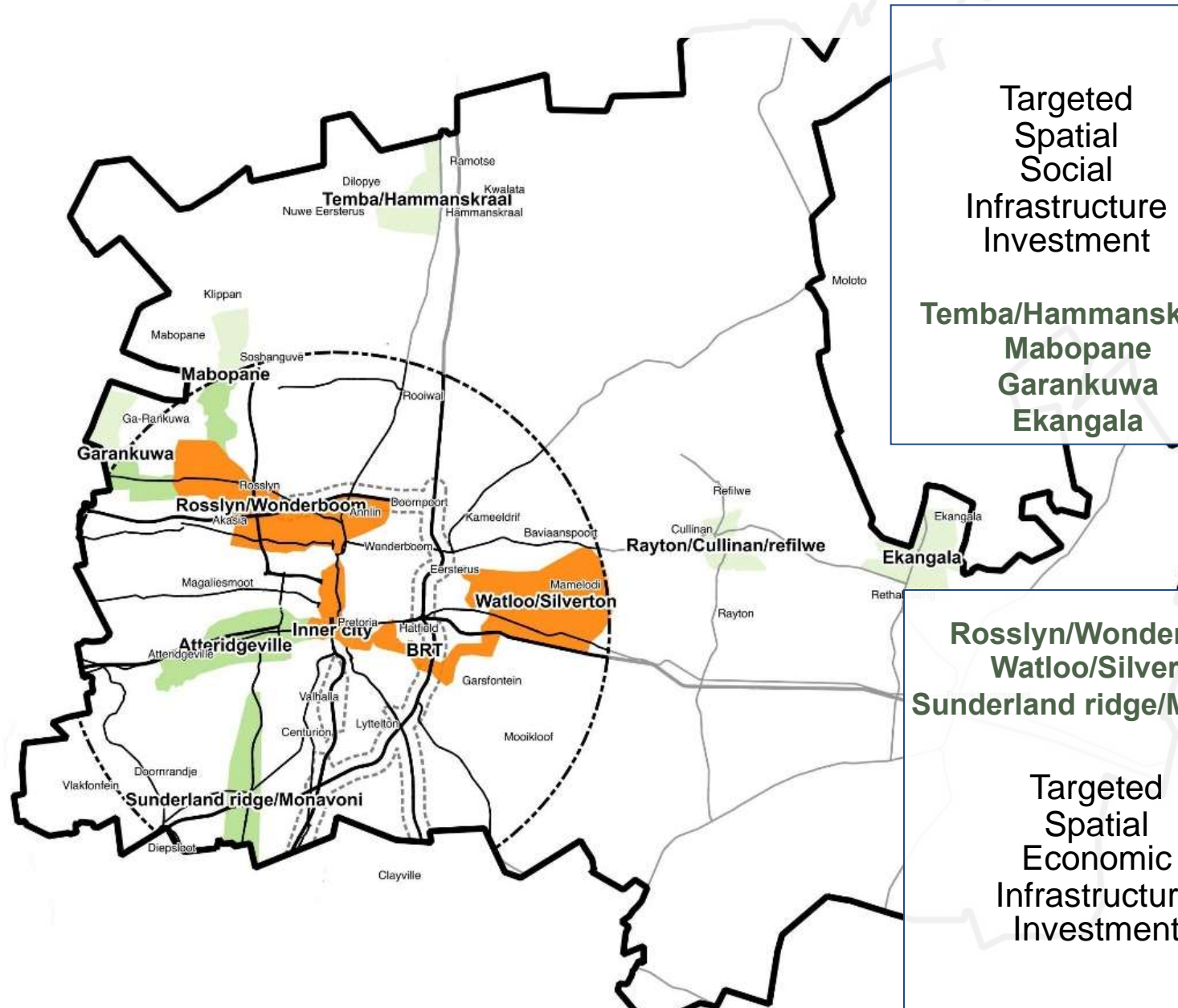


**BRT Phase 1 (Mamelodi – CBD  
& CBD – Wonderboom)  
Rosslyn/Wonderboom  
Watloo/Silverton  
Inner City**

**Economic  
Development  
Priority  
Quadrant**

**Activity  
Corridor  
(Rapid  
Public  
Transport)**

**Brooklyn  
Hatfield  
Menlyn  
BRT Phase 1**



**Targeted  
Spatial  
Social  
Infrastructure  
Investment**

**Temba/Hammanskraal  
Mabopane  
Garankuwa  
Ekangala**

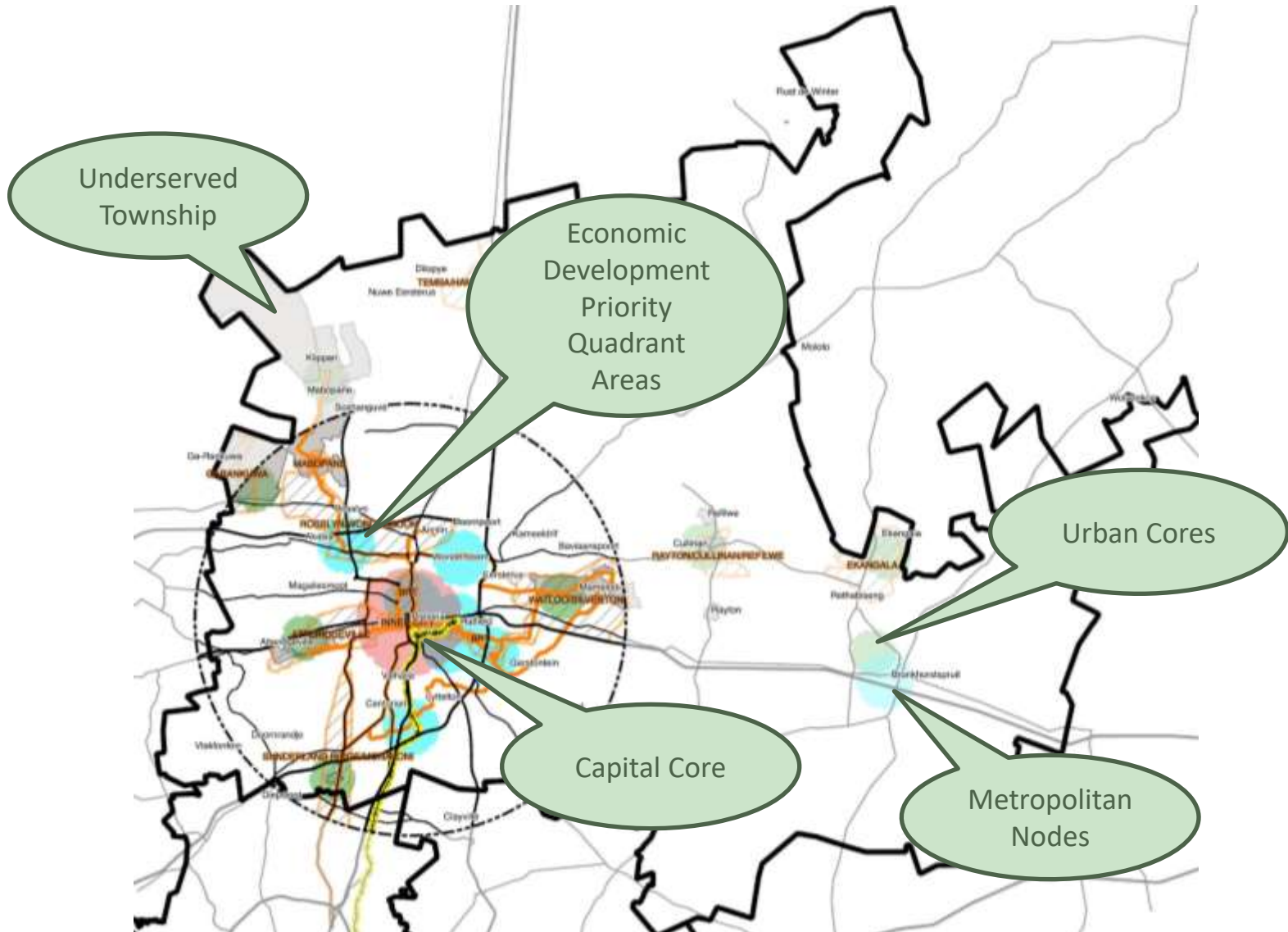
**Rosslyn/Wonderboom  
Watloo/Silverton  
Sunderland ridge/Monavoni**

**Targeted  
Spatial  
Economic  
Infrastructure  
Investment**



# 2018/19 Built Environment Performance Plan

## Sub-Section B: Identification of the Urban Network Structure



# 2018/19 Built Environment Performance Plan

## Sub-Section B: Planning for Priority Spatial Alignment

### ▶ Spatial Alignment

- ▶ Public Transport
  - ▶ TOD Precincts
  - ▶ IRPTN
- ▶ Urban Cores
- ▶ Specialised Nodes
  - ▶ Industrial Nodes
  - ▶ Airport Nodes
  - ▶ University Cities
- ▶ MSDF Nodal Hierarchy
  - ▶ Capital Core
  - ▶ Metropolitan Nodes
- ▶ BEPP Integration Zone

### BEPP Integration Zones



### Urban Cores



### MSDF Nodal Hierarchy



### Public Transport







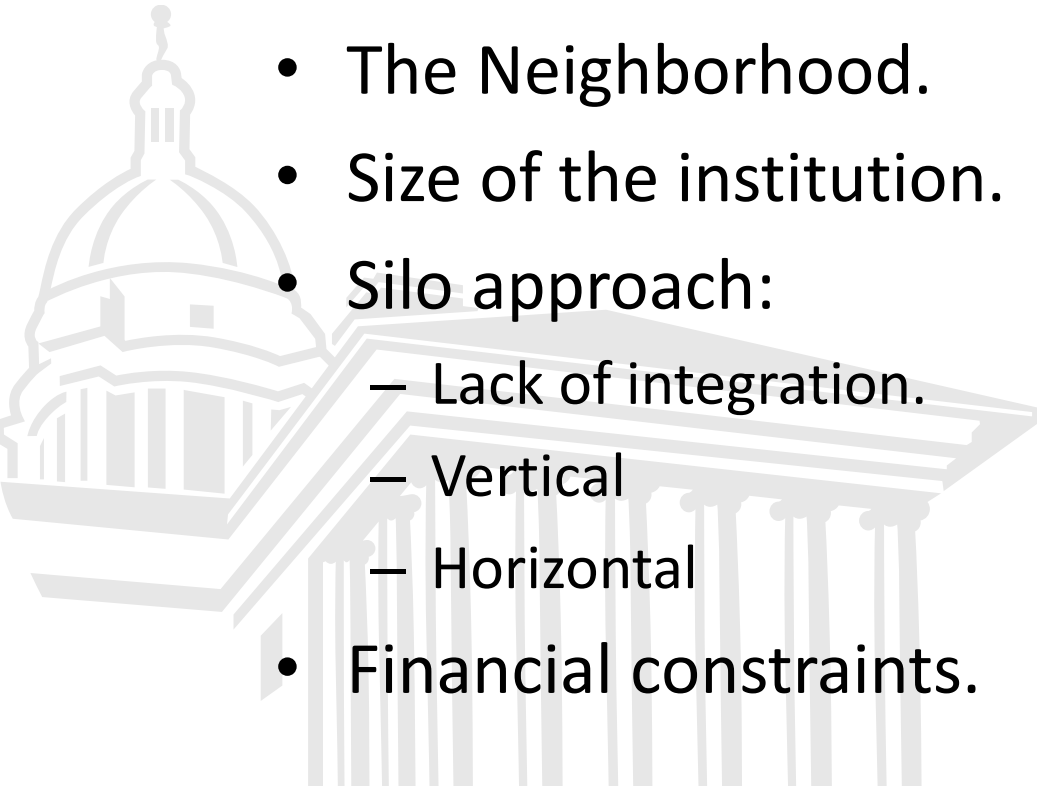
# Challenges





# Challenges

- Size of the city.
- Distorted spatial pattern.
- The Neighborhood.
- Size of the institution.
- Silo approach:
  - Lack of integration.
  - Vertical
  - Horizontal
- Financial constraints.





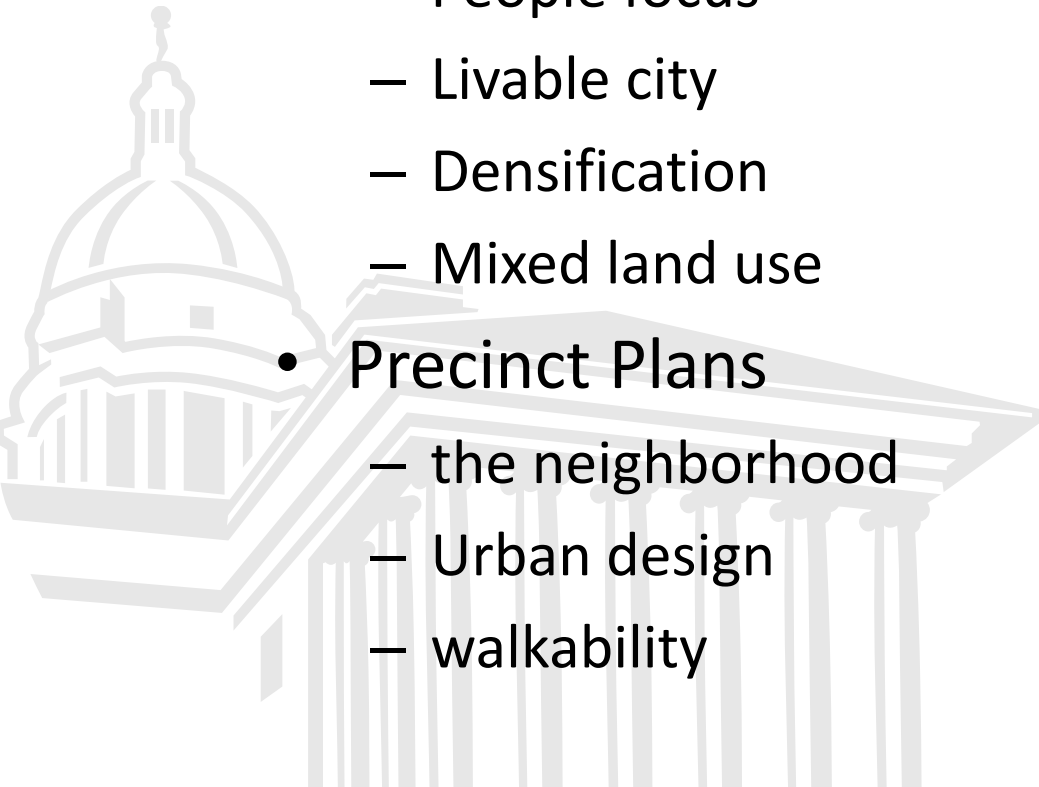
# Improving the Situation





# Improving the situation

- BEPP, IDP, MSDF
  - Transversal Management
  - People focus
  - Livable city
  - Densification
  - Mixed land use
- Precinct Plans
  - the neighborhood
  - Urban design
  - walkability







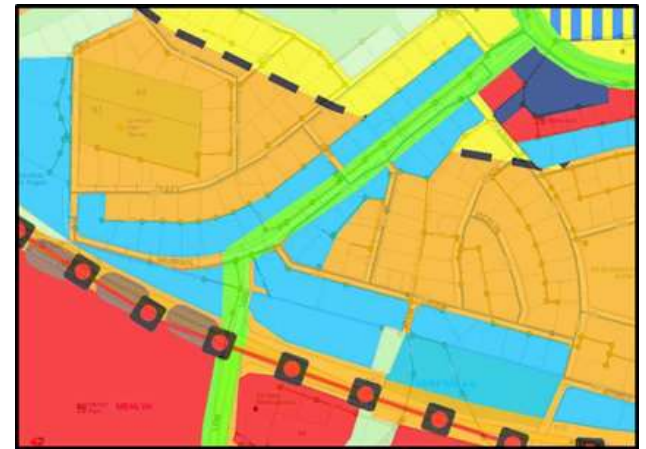
# CoT Expertise & Advice



# RSDF e-GIS

RSDF image is part (as a layer) of the web based mapping solution, e-GIS (similar to GeoWEB on intranet )

RSDF image can be accessible as a Map Service by the public





# Expertise & Advice

- Focus on strengths
  - Comparative advantages
  - Competitive advantages
- Planning tools
  - Policies
  - SDFs (Metro, Regional), IDP
  - Legislation: SPLUMA, DORA
- Principles
  - Planning for people
  - The mobility of ideas



# Thank you

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