

# URBAN PLANNING AND DEVELOPMENT CONTROL STRENGTHENING PROGRAMME

3

## MODULE 3 IMPROVING THE QUALITY OF NEW URBAN PLANS

November 2021



# MODULE OUTLINE

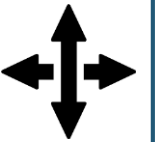
**UNIT 1:** Stakeholder engagement in urban planning



**UNIT 2:** Technology options for obtaining reliable data for planning and decision-making



**UNIT 3:** Vertical alignment and mosaicking of urban plans



**UNIT 4:** Preparing Structure Plans (interim land use plan)



**UNIT 5:** Integrating urban plans with nature based solutions and ecosystem services



# DETAILED LEARNING OUTCOMES:

1. Understand stakeholder engagement processes that facilitate the strategic implementation of masterplans.
2. Explore the use of technology in enhancing the preparation of urban plans
3. Understanding the importance of integrating projects and inputs from other sectors for improved vertical and horizontal alignment in urban plan preparation.
4. Understand the structure plan as an alternative to costly masterplans in directing spatial development, infrastructure and resource allocation
5. Explore approaches of integrating nature based solutions for improved urban sustainability

# STATUS QUO

ALIGNMENT AND  
LACK OF  
CONFORMITY

MONITORING  
DEVELOPMENT

LENGTHY  
TIMELINES

HIGH COST

LINKAGE TO  
ECONOMIC  
PLANNING

UNCOORDINATED  
PREPARATION



# OPPORTUNITIES FOR MASTERPLAN FORMULATION IN TANZANIAN CITIES

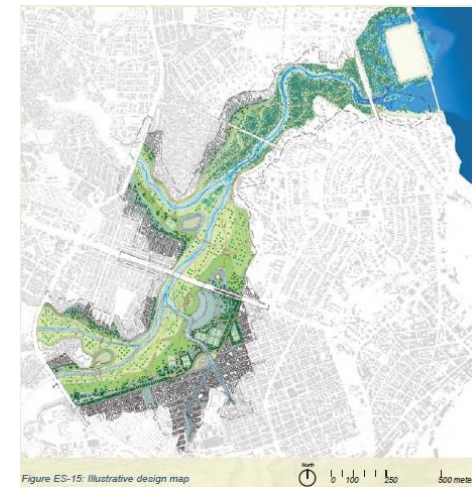
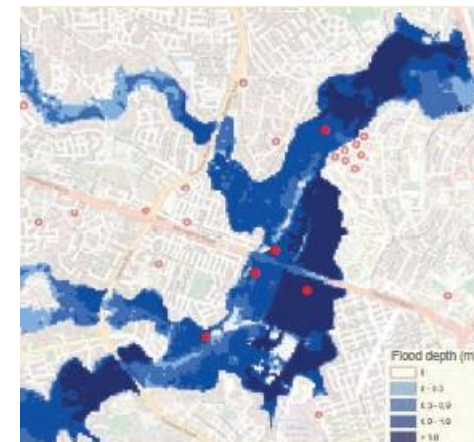
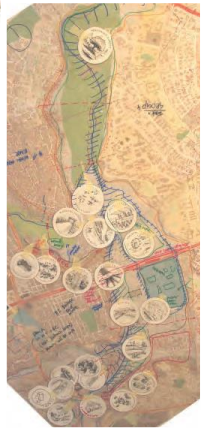
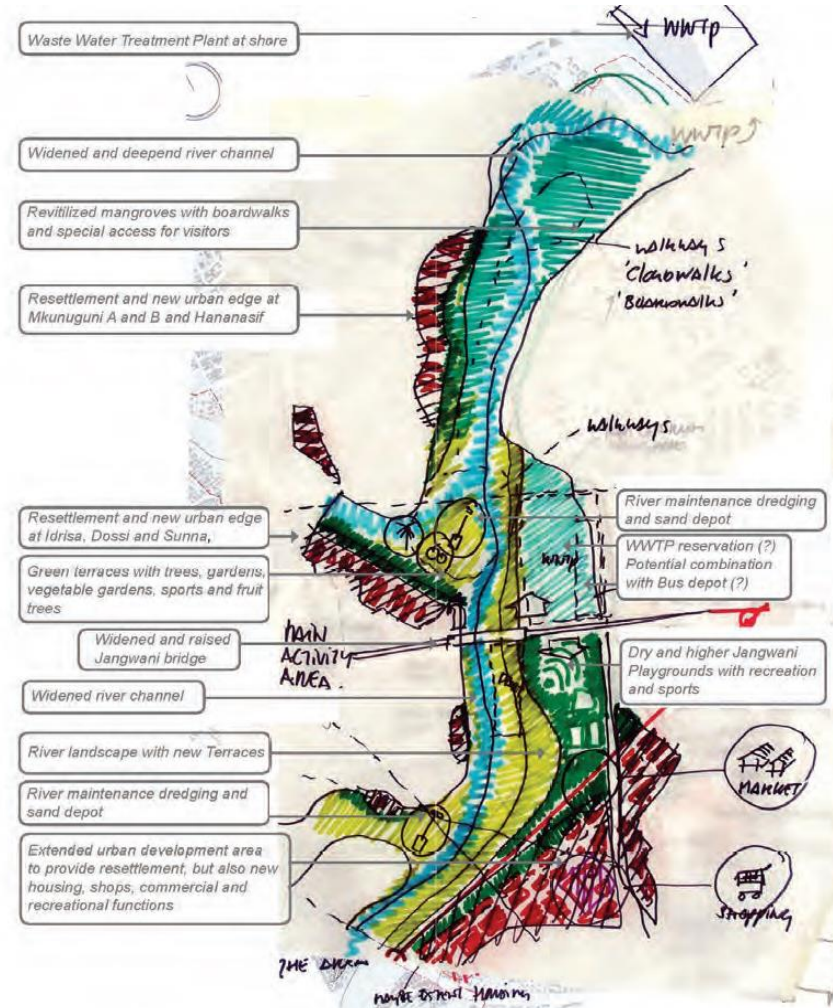
**Aligning spatial  
planning to  
economic**



# UNIT 1: STAKEHOLDER ENGAGEMENT IN URBAN PLANNING

**Focus area 1:**  
**Urban Plans:**  
**strategies for**  
**addressing data**  
**gaps and**  
**community**  
**engagement**

**Experiences from the**  
**charrette for flood**  
**reduction in the Msimbazi**  
**valley**



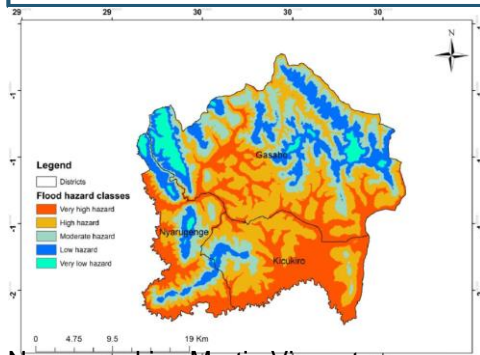
# UNIT 2: TECHNOLOGY OPTIONS FOR OBTAINING RELIABLE DATA FOR PLANNING AND DECISION-MAKING

***Focus area: Mosaicking of urban plans and alignment of data sets using ICT***

**Preparation of city risk maps and city adaptation plans in flood prone areas**

**Sharing these mosaic of plans and budgets between agencies and institutions**

**Developing a database of other supportive plans**





***Focus area: Mosaicking of urban plans and alignment of data sets using ICT***

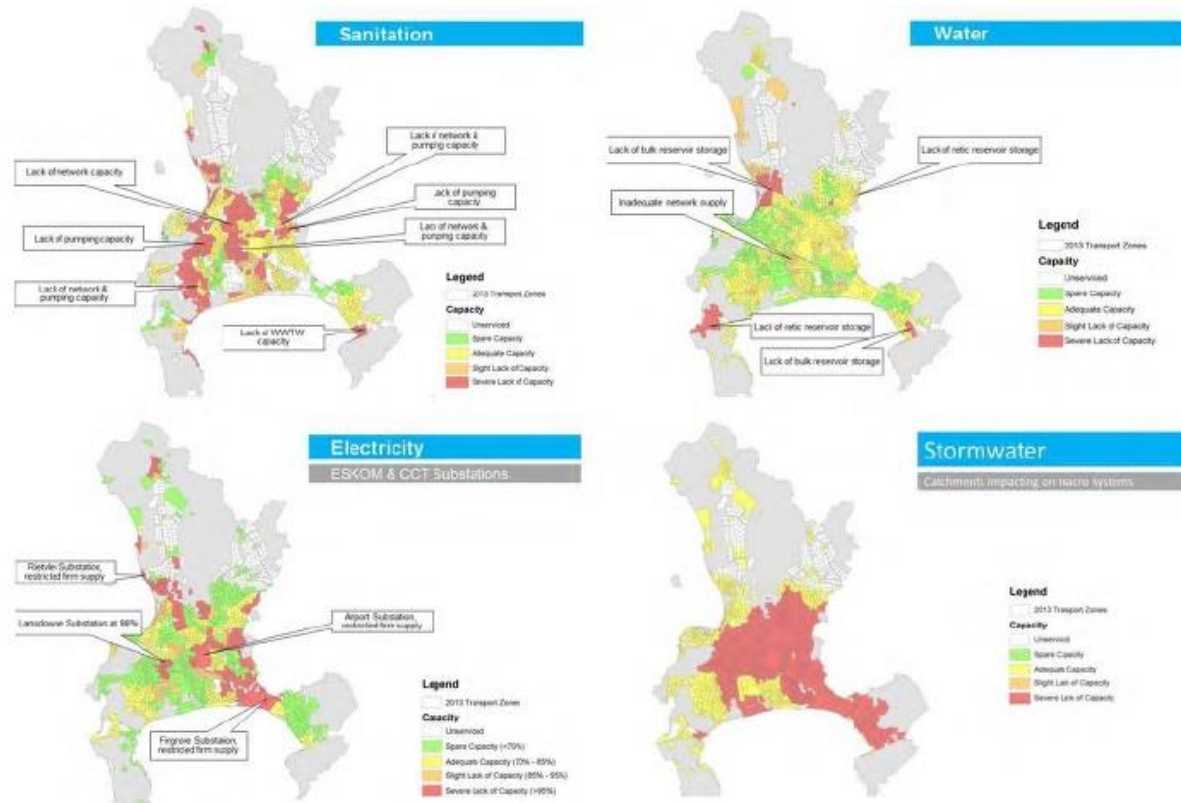
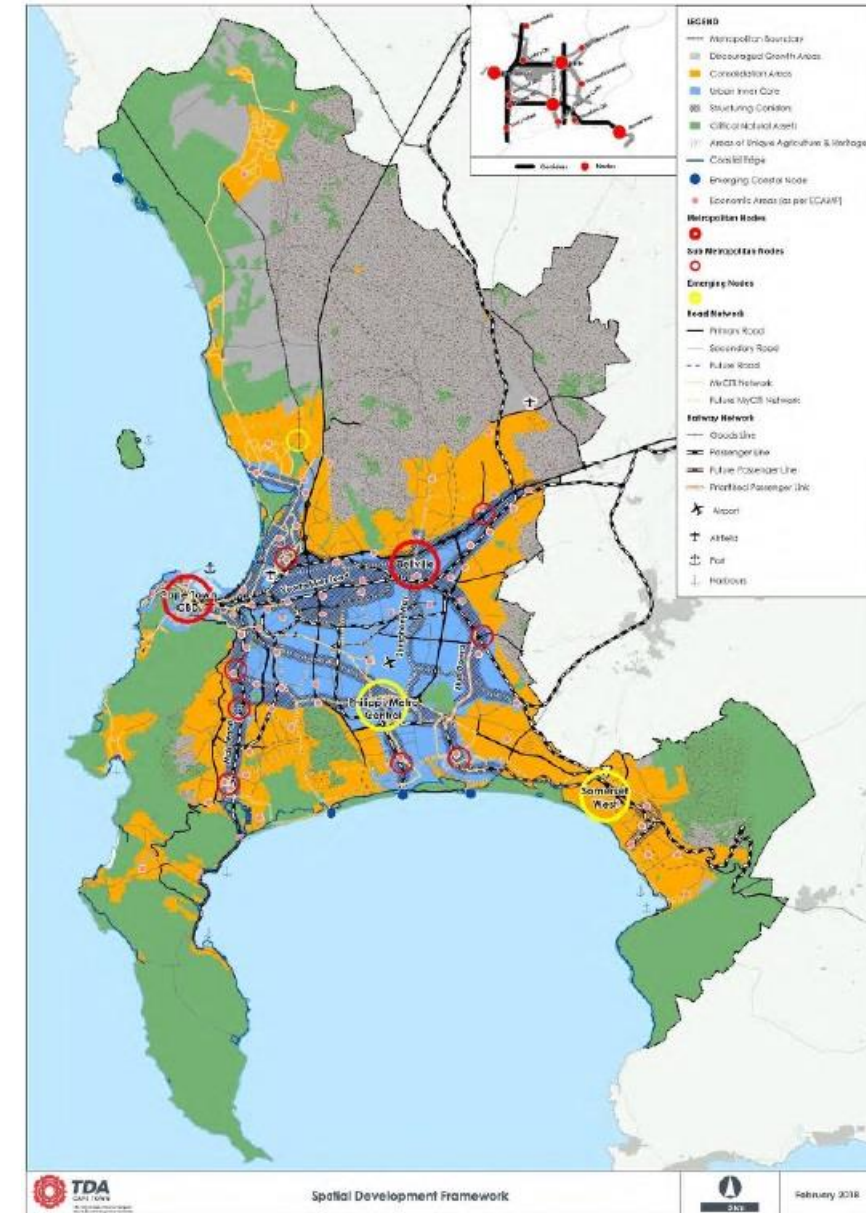
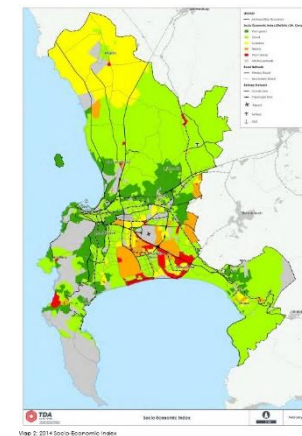
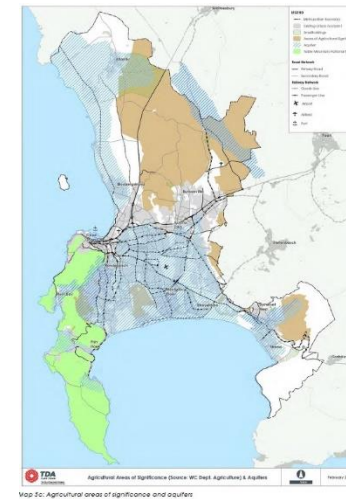


Diagram 14: Infrastructure capacity per utility service (source: MTIIF)



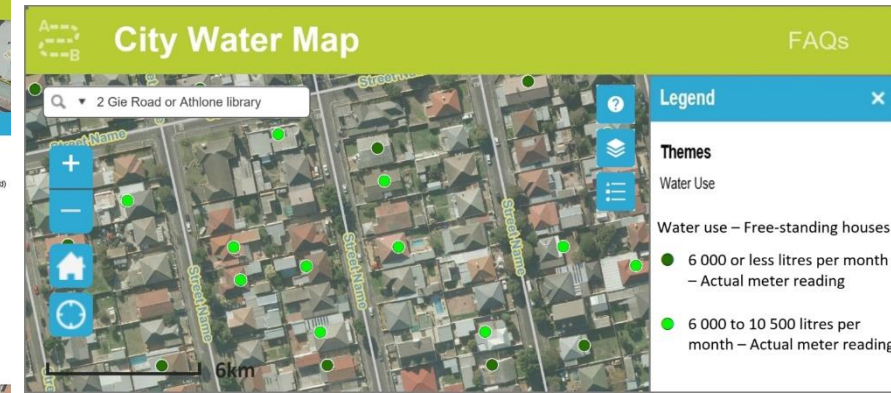
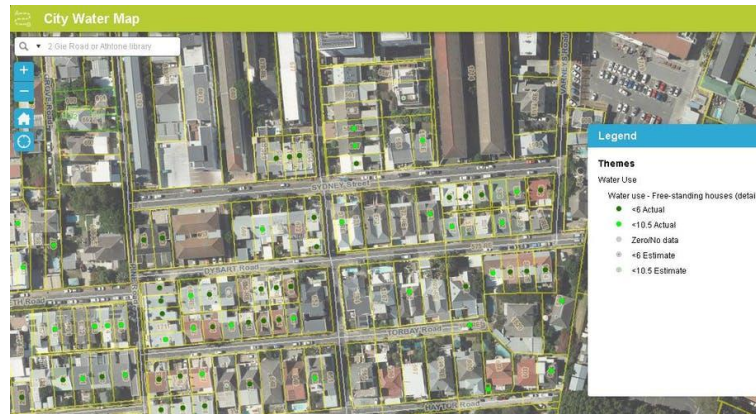
Map 5d: Consolidated spatial plan concept



# UNIT 2: TECHNOLOGY OPTIONS FOR OBTAINING RELIABLE DATA FOR PLANNING AND DECISION-MAKING

***Focus area: Mosaicking of urban plans and alignment of data sets using ICT***

## Cape town zoning viewer



# City of Cape Town open data portal



## City of Cape Town Open Data Portal - All Data Sets

Home

Data sets

Suggest a data set

Feedback

Terms of use

Policy

Announcements

Number of results returned: 147

Data set (ascending)	Description	Subject
<a href="#">Aerial photography</a>	This dataset shows the aerial photography of the City of Cape Town and can be used as a base map in different mapping applications such as, Google Earth, ArcGIS and ArcGIS Explorer to name a few.	Land administration
<a href="#">Agricultural land</a>	Location of Agricultural land within the Cape Town metropolitan area.	Spatial planning
<a href="#">Air quality</a>	This dataset shows information relating to the air quality of the City of Cape Town. Sensors are used to measure the the concentration of ambient air pollutants in ten second scans and those values are shown as one hour averages. There are 14 air pollution monitoring stations operating within the metropolitan area.	Health
<a href="#">Area based service delivery regions</a>	Please visit the new portal at <a href="https://odp-cctegis.opendata.arcgis.com">https://odp-cctegis.opendata.arcgis.com</a> for most recent information. The boundaries of area based service delivery regions.	Political and administrative
<a href="#">Biodiversity network</a>	Please visit the new portal at <a href="https://odp-cctegis.opendata.arcgis.com">https://odp-cctegis.opendata.arcgis.com</a> for most recent information. Biodiversity network (terrestrial features) of Cape Town.	Natural resources and the environment
<a href="#">Budgets</a>	The data set contains the City of Cape Town approved budgets for the most recent years. It consists of XLS files for each of the most recent financial reporting years.	Finance
<a href="#">Building footprints</a>	Outline polygons of existing buildings within Cape Town metropolitan area. Limited coverage (10%), available from Jan 2016.	Spatial planning
<a href="#">Building plan statistics</a>	A summary report of building plans that indicates the number of plans submitted and approved in the City of Cape Town.	Spatial planning
<a href="#">Business licenses</a>	Active business licenses in the City of Cape Town	Health
<a href="#">Call centre statistics</a>	Number of calls offered, handled and abandoned for the month. It also includes the number of notifications, per complaint types, created and closed by the Corporate Contact Centre for the month. It also includes the Ageing Analysis of all notifications created by the Corporate Contact Centre as at the date of reporting.	Political and administrative

1

2345...Last

Back



## City of Cape Town Open Data Portal - Data Set Description

Home

Data sets

Suggest a data set

Feedback

Terms of use

Policy

Announcements

Data set name:

Description:

Time coverage:

Spatial coverage:

Subject:

Update frequency:

Agricultural land

Location of Agricultural land within the Cape Town metropolitan area.

2016

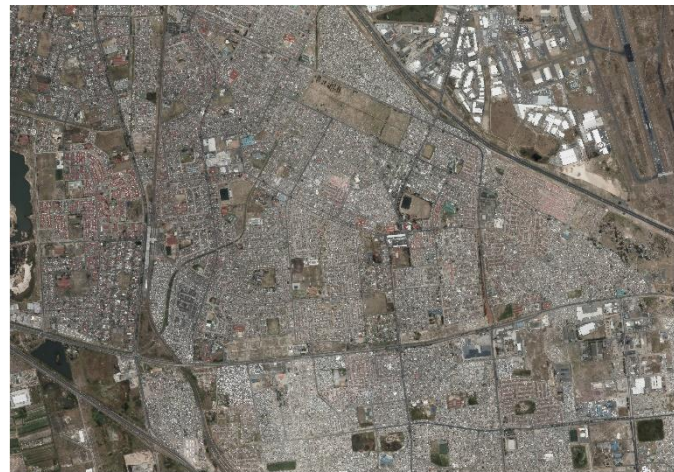
Cape Town

Spatial planning

Periodically

Document	Description	Download	Details
<a href="#">Agricultural land field report 2016.pdf</a>	The file contains the agricultural land data set fields.	<a href="#">Download document</a>	<a href="#">Click for more detail</a>
<a href="#">Agricultural land 2016.kmz</a>	The file stores the spatial location of features (point, line, polygon) of the agricultural land.	<a href="#">Download document</a>	<a href="#">Click for more detail</a>
<a href="#">Agricultural land 2016.zip</a>	The file contains the geometric location (point, line, polygon) and attribute information of Agricultural Land.	<a href="#">Download document</a>	<a href="#">Click for more detail</a>
<a href="#">Agricultural land 2016.ods</a>	The file contains the attribute data of agricultural land.	<a href="#">Download document</a>	<a href="#">Click for more detail</a>
<a href="#">Agricultural land.xml</a>	The file contains the spatial metadata of agricultural land.	<a href="#">Download document</a>	<a href="#">Click for more detail</a>

Back





# Development application management system, City of Cape Town

Ensure that all information (data) about all land parcels is up-to-date and maintained

1. Location
2. Ownership
3. Land use rights

Create an Integrated Property Database: Consolidated land registry system with centralized property information



# UNIT 3: *VERTICAL ALIGNMENT OF URBAN PLANS*

- *Focus area: (Planning process case study (SA IDP, LUPA, SPLUMA, MSDF*

- *Review and approval of detailed planning schemes*

- *Alignment of council strategic plans to GPS*

- *Using DPS for regularization schemes*



# UNIT 4: PREPARING STRUCTURE PLANS

## **Local case study**

*1. Kigoma (case  
for structure  
plans and  
demarcation)*

*2. Kahama  
(Case for  
demarcation)*

# UNIT 4: PREPARING STRUCTURE PLANS

**Regional case study**

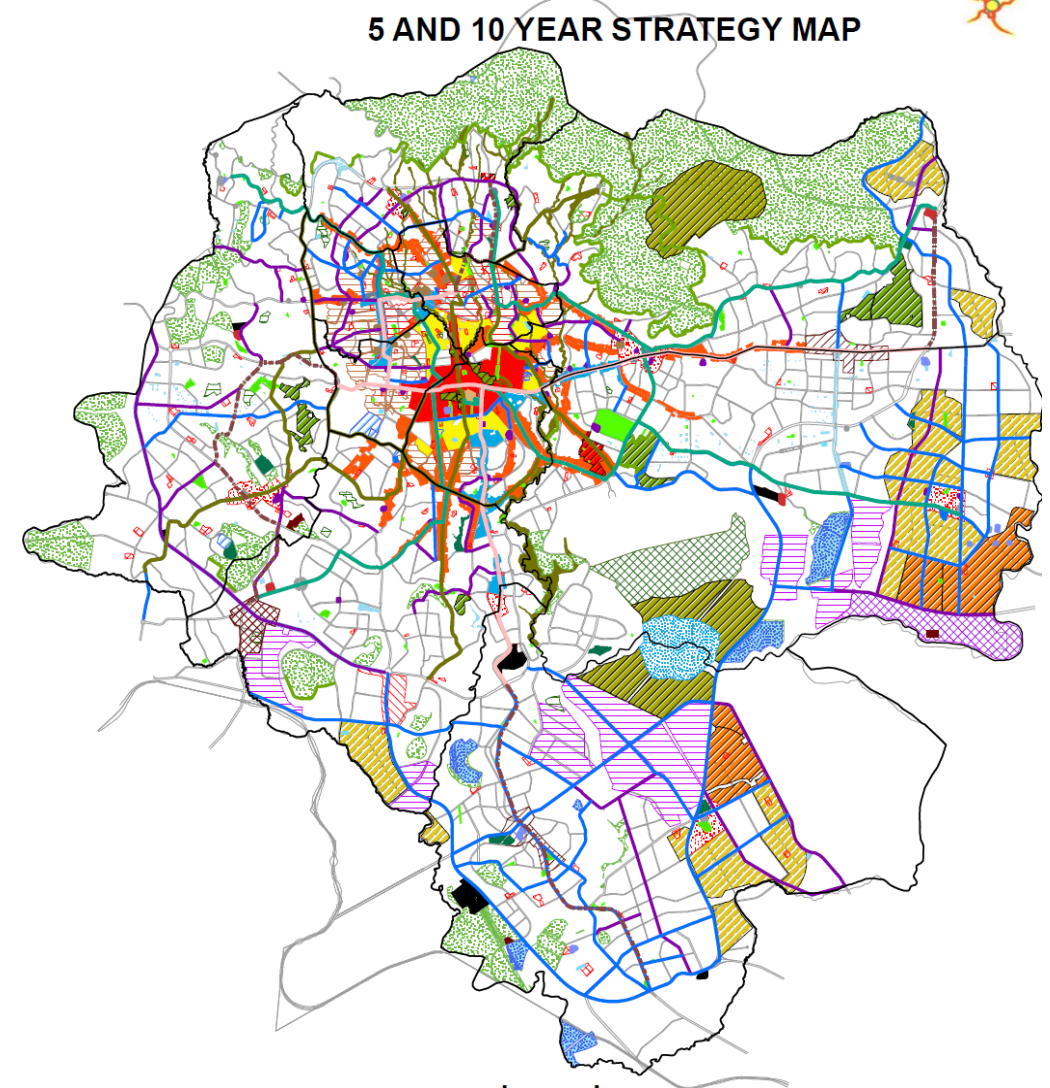
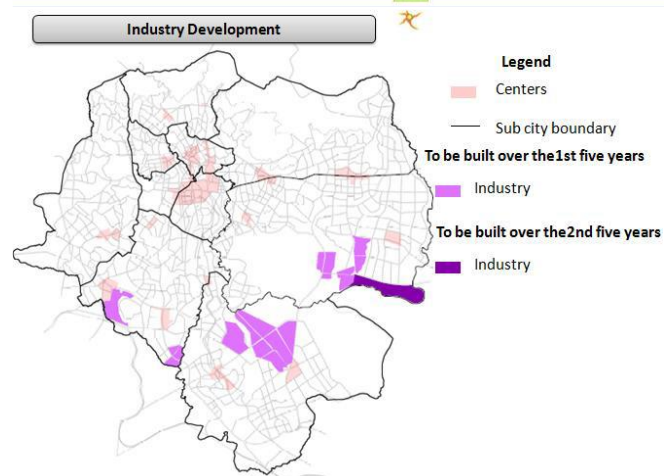
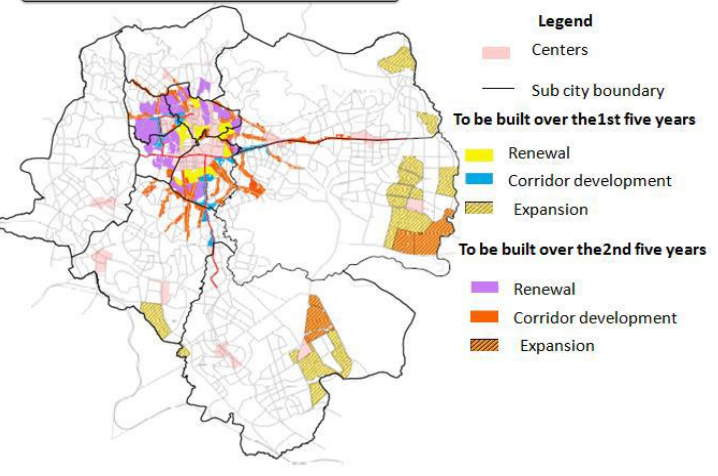
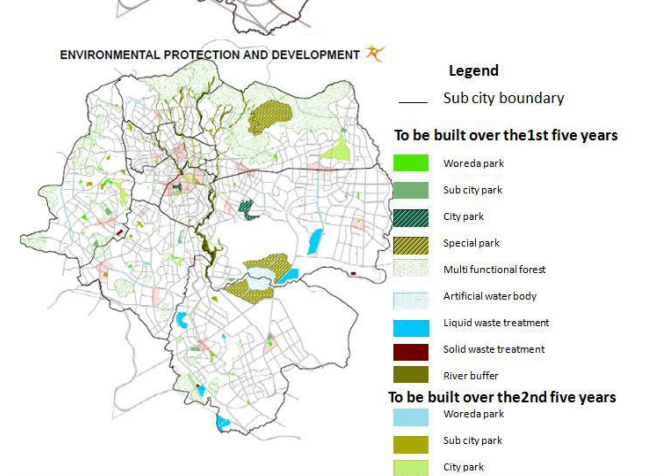
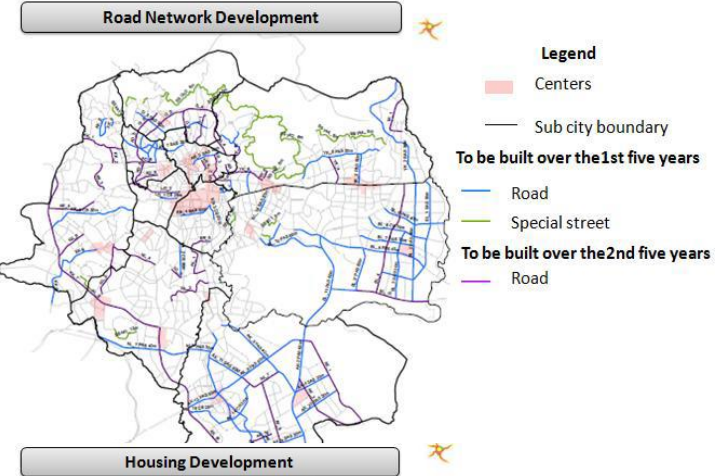
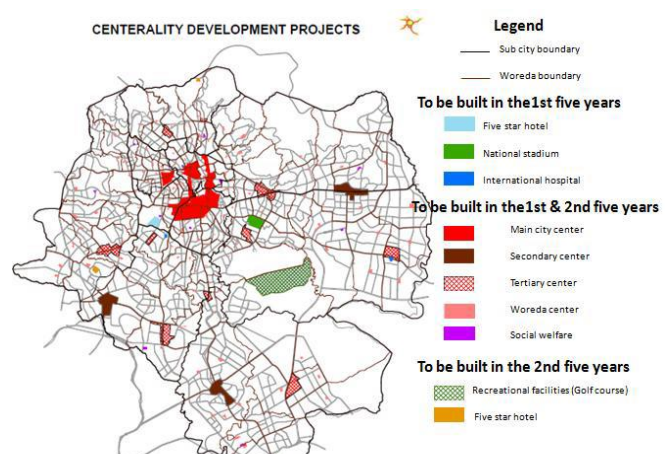
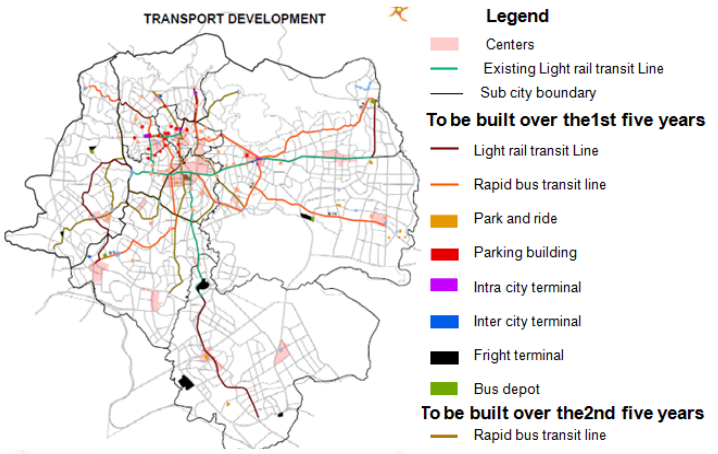
*Addis Ababa  
Structure plan*

**1. What is a structure plan**

**2. Elements of a structure plan**

**3. The strategy**



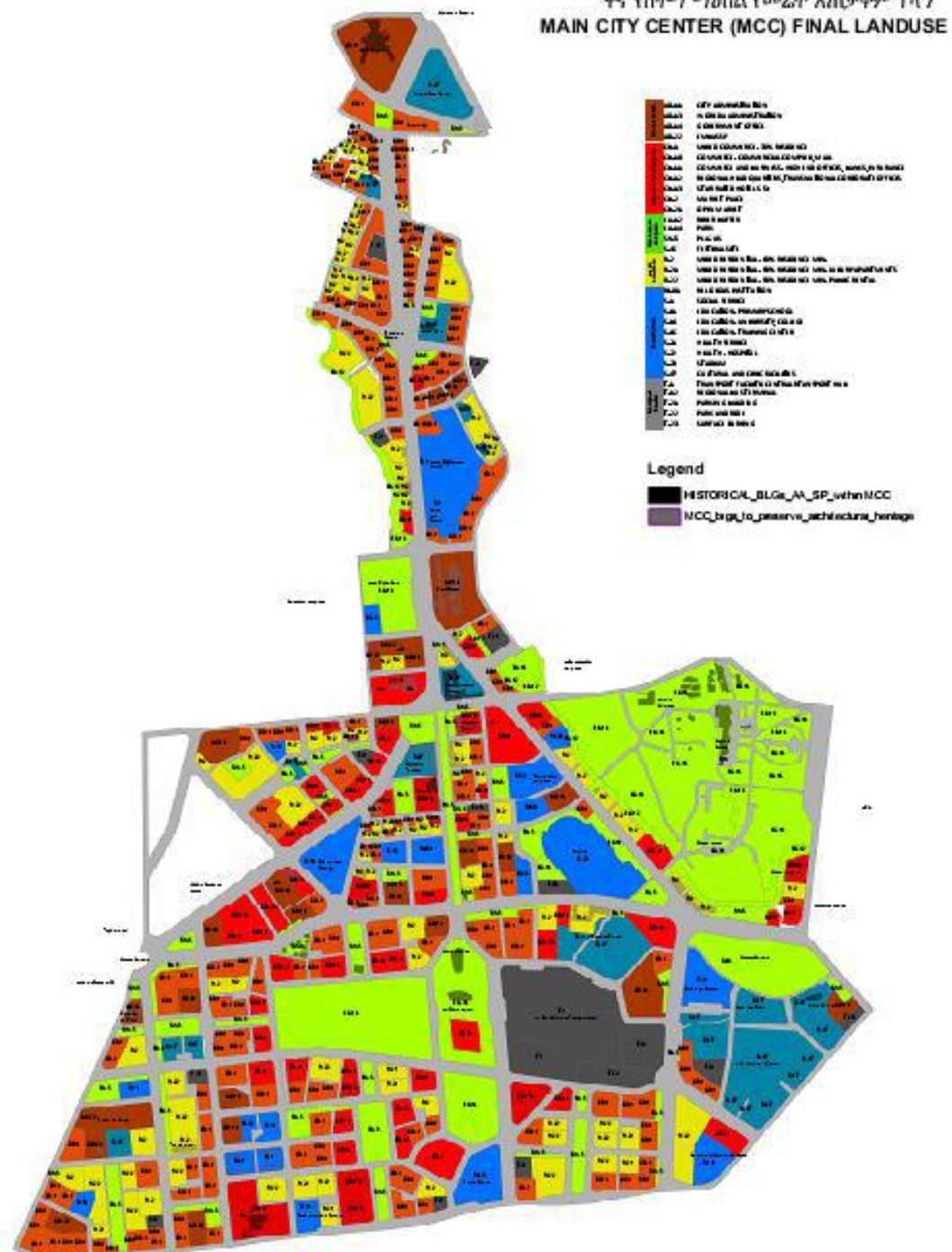
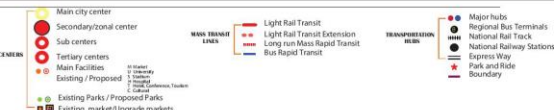




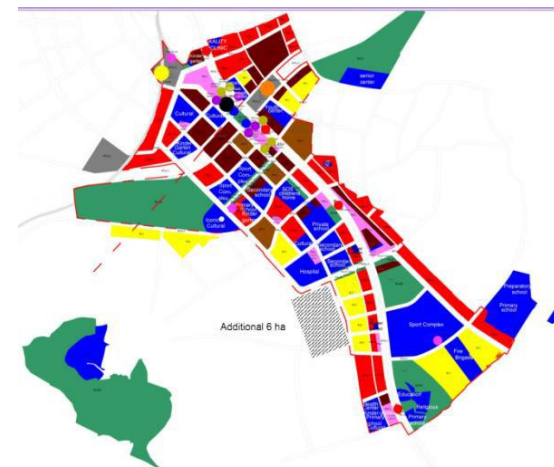
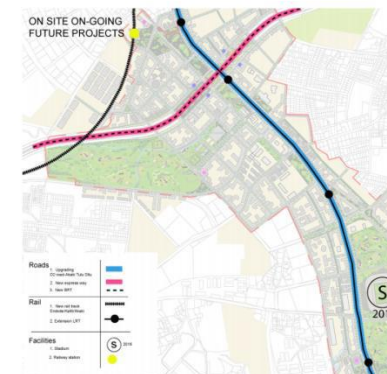


## CENTRALITY main facilities and mass transit

HIERARCHICALLY ORGANIZED AND INTERCONNECTED CITY CENTERS AND MARKETS FOR A WELL-SYNCHRONIZED AND STRUCTURED CITY



Perspective view from the north





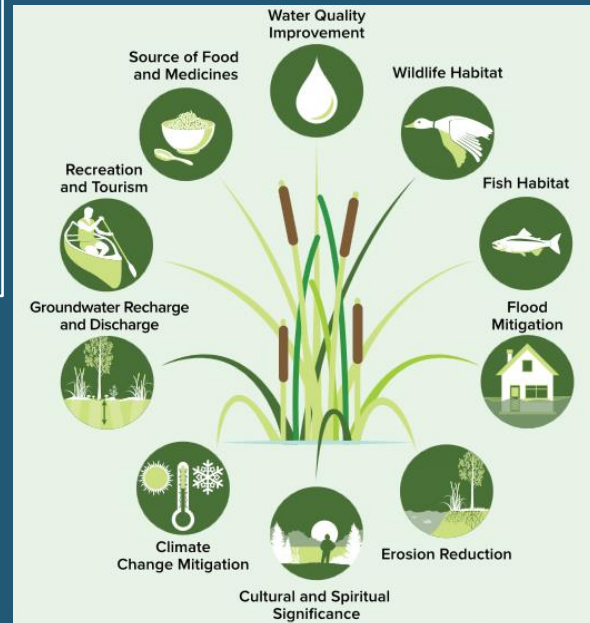
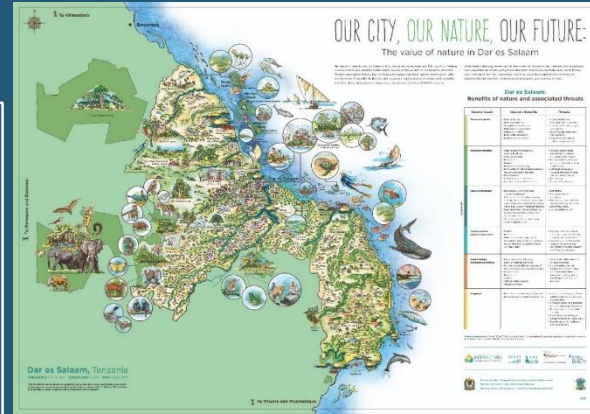
# UNIT 5: INTEGRATING URBAN PLANS WITH NATURE BASED SOLUTIONS AND ECOSYSTEM SERVICES

## PART I: AWARENESS OF THE VALUE OF URBAN NATURE AND NATURE BASED SOLUTIONS

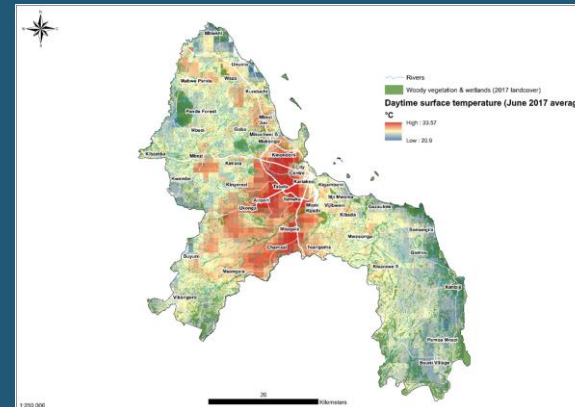
*Definitions*

*Tools*

*Case studies*



## PART II: INCORPORATING NBS INTO URBAN PLANNING PROCESSES

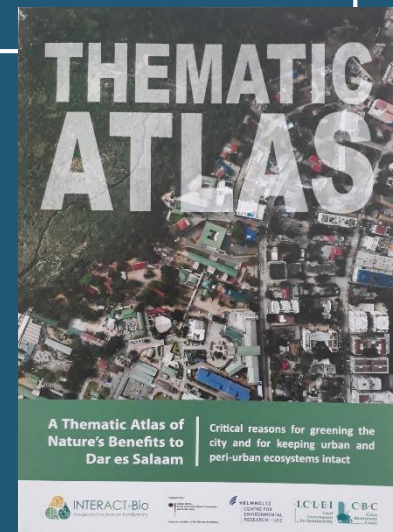


*Forward planning vs retrofitting*

*Examples*

*Identify mainstreaming entry points*

*Tools & examples*





# UNIT 5: INTEGRATING URBAN PLANS WITH NATURE BASED SOLUTIONS AND ECOSYSTEM SERVICES

## PART III: GOVERNANCE AND MANAGEMENT OF GREEN OPEN SPACES AND NBS

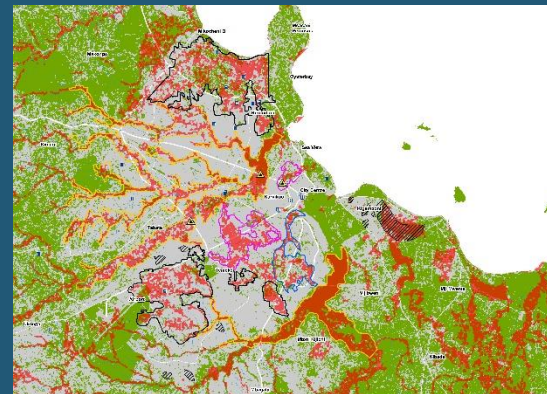
*Attributes of good governance of urban nature*

*Partnerships for governance of urban nature*

*Tools for good governance: compliance vs stewardship; attracting investment; showcasing success*



## PART IV: SPATIAL ENVIRONMENTAL DATA - PLANNING FOR URBAN NATURE



*Importance and application of spatial data: inform policy and planning*

*Different approaches for data-rich and data-poor contexts*

*Examples and tips on data sources*



# ASANTE

