

# Antwerp Park Management

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# Antwerp today - introduction

Antwerp in it 's natural environment



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Antwerp in it 's natural environment



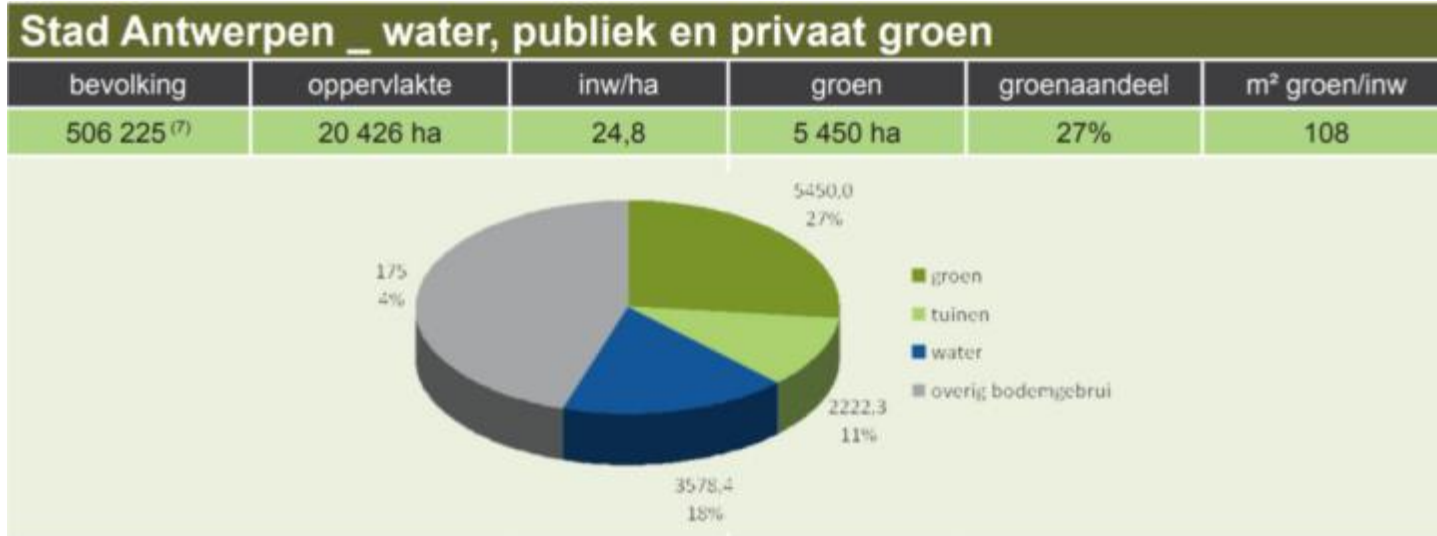
# Antwerp today - introduction

Antwerp in it 's natural environment



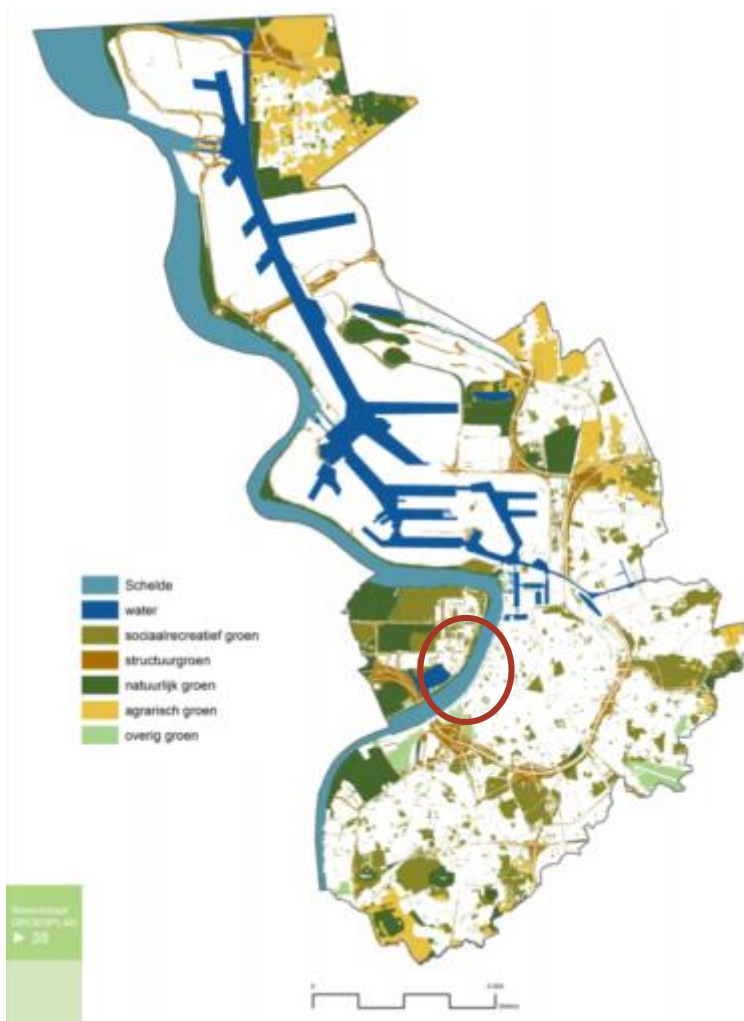
# Antwerp today - introduction

## Green Spaces



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## Green Spaces





# Antwerp today – Parks

## Green Spaces

- **52 ‘large’ parks (> 2 ha) and 11 cemeteries**
  - *Total = 794 ha*
  - *Largest park ‘Nachtegalenpark’ = 97 ha*
  - *Largest cemetery ‘Schoonselhof’ = 84 ha*
- **> 80 ‘smaller’ parks, pocket parks, ...**

# Antwerp today – Park Management

## Park Management & Maintenance Plan



# Antwerp today – Park Management

## Park Management & Maintenance Plan

- **Content**

- *Description and Inventory*
  - General description and Historical context
  - Ecology (fauna, flora, biodiversity, ecosystem services, ...)
  - Present use
- *Long-term vision and goals*
  - Ecology
  - Economical functions
  - Social functions
- *Long-term action plan*
- *Maintenance plan (year-round)*
- *Monitoring plan*

# Antwerp today – Park Management

## Park Management & Maintenance Plan

- **Creation - stakeholders**
  - *Project leader*
  - *Consultancy*
  - *Advisory committee*
- **Proces**
  - *Inventory*
  - *Drafts*
  - *Feedback*
    - Advisory committee
    - Stakeholders
    - Neighbourhood participation
  - *Definitive plan*
- **Final approval by the city council**

# Antwerp today – Park Management

## Management Instruments

- Geovisia - inventory of city green

The screenshot displays the Geovisia software interface, which is used for managing city greenery. The interface is divided into several sections:

- Top Menu:** Includes 'Kaart', 'Analyse', 'Lijstoverzicht', 'Paspoort', and 'Beeld'.
- Toolbar:** Contains icons for 'Beverken', 'Opslaan', 'Sluiten', 'Logboek', 'Rapport', and 'Logboek naar Excel'.
- Overview Panel (Overzicht):** Shows a small map of the city of Antwerp.
- Main Map:** Displays a detailed street map with green circles representing trees. The map is overlaid with a grid of house numbers.
- Legend (Legende):** Lists various elements: 'Bomen\_met\_inspectie', 'Boom', 'Mutatielaag', 'Straatmeubilair', 'Overbescherming', 'Hek', 'Haag', and 'Tas'. Each element has a corresponding icon.
- Data Panel (Right):** Provides detailed information for a selected tree. The data is organized into sections:
  - Tree Details:** Boom (Aesculus hippocastanum), Stamdiameterklasse (50 - 60), Stamomtrek (cm) (188), Datum geplant, Groeifase (volgroeid), Actuele takvrije stam, Actuele boomhoogte, Actuele kruinbreedte.
  - Uit laag gebiedstyper:** Straat (KAPELSTRAAT), District (HOBOKEN), Postcode (2660), Naam (optioneel) (KAPELSTRAAT), Type gebied (buurtpark), Cluster (Cluster Zuid), Beheereenheid, Heeft beheerplan (checkbox).
  - Elementdata:** Datum laatste wijziging (07-03-2016), Laatste gewijzigd door (Christian Yverhaardt).

# Antwerp today – Park Management

## Management Instruments

- FMO work order planning tool

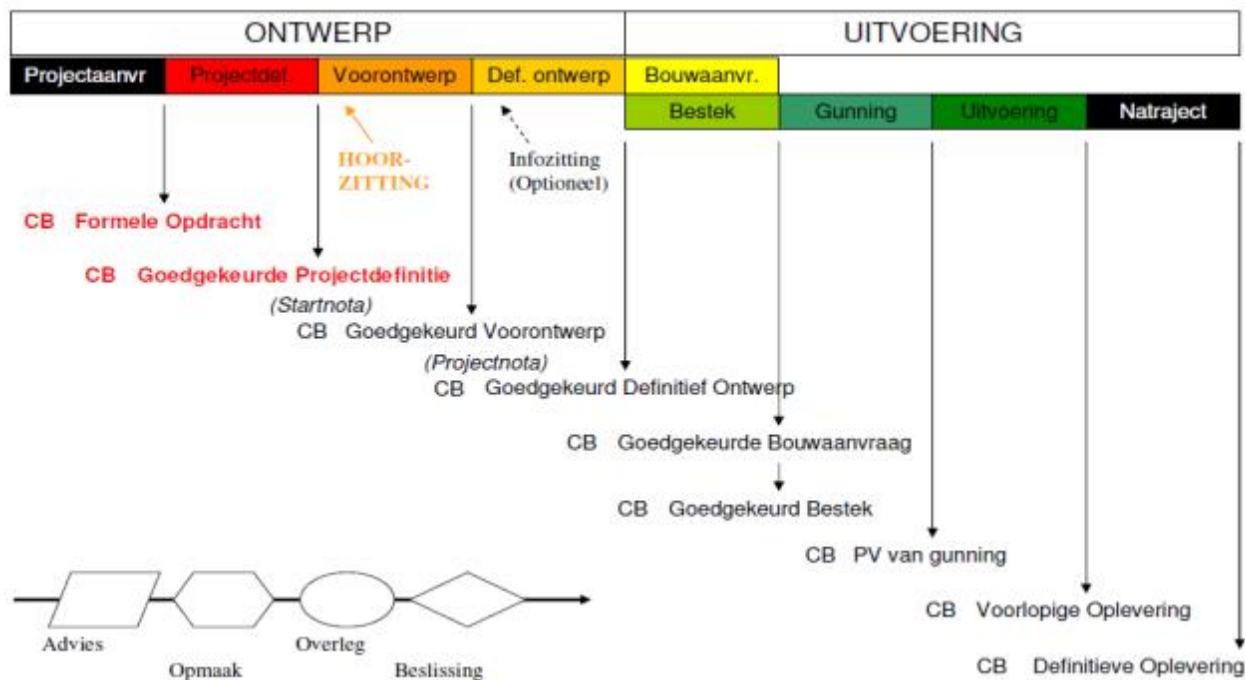
The screenshot displays the Planon ProCenter software interface for FMO ACC 2016-01-20: 03 Werkorderbeheer. The interface is divided into several sections:

- Left Panel:** A navigation menu under 'Levens-Cyclus' with options like 'Gebruikersinstellingen', 'Locatiebeheer', 'Personenbeheer', '3D Administratie', and 'Werkorderbeheer'.
- Top Panel:** A breadcrumb trail showing 'FMO ACC 2016-01-20' and 'Werkorderbeheer'. Below it are tabs for 'Parkeerbeheer', 'Orderbeheer', 'Orders', and 'Orderdetails', with 'Orders' currently selected.
- Main Content Area:** A list of work orders on the left and a detailed view of a selected work order on the right. The list includes columns for 'Order ID', 'Status', and 'Locatie'. The detailed view shows fields for 'Werkorder ID', 'Locatie', 'Planned start', 'Planned end', and 'Status'.
- Right Panel:** A sidebar with a search bar and a list of actions such as 'Toevoegen standaard', 'Kopieren', 'Toevoegen standaard', 'Toevoegen', 'Toevoegen sub', 'Verwijderen', 'Afdrukken', and 'Opslaan of annuleren'.

# Antwerp today – Park Management

## Management Instruments

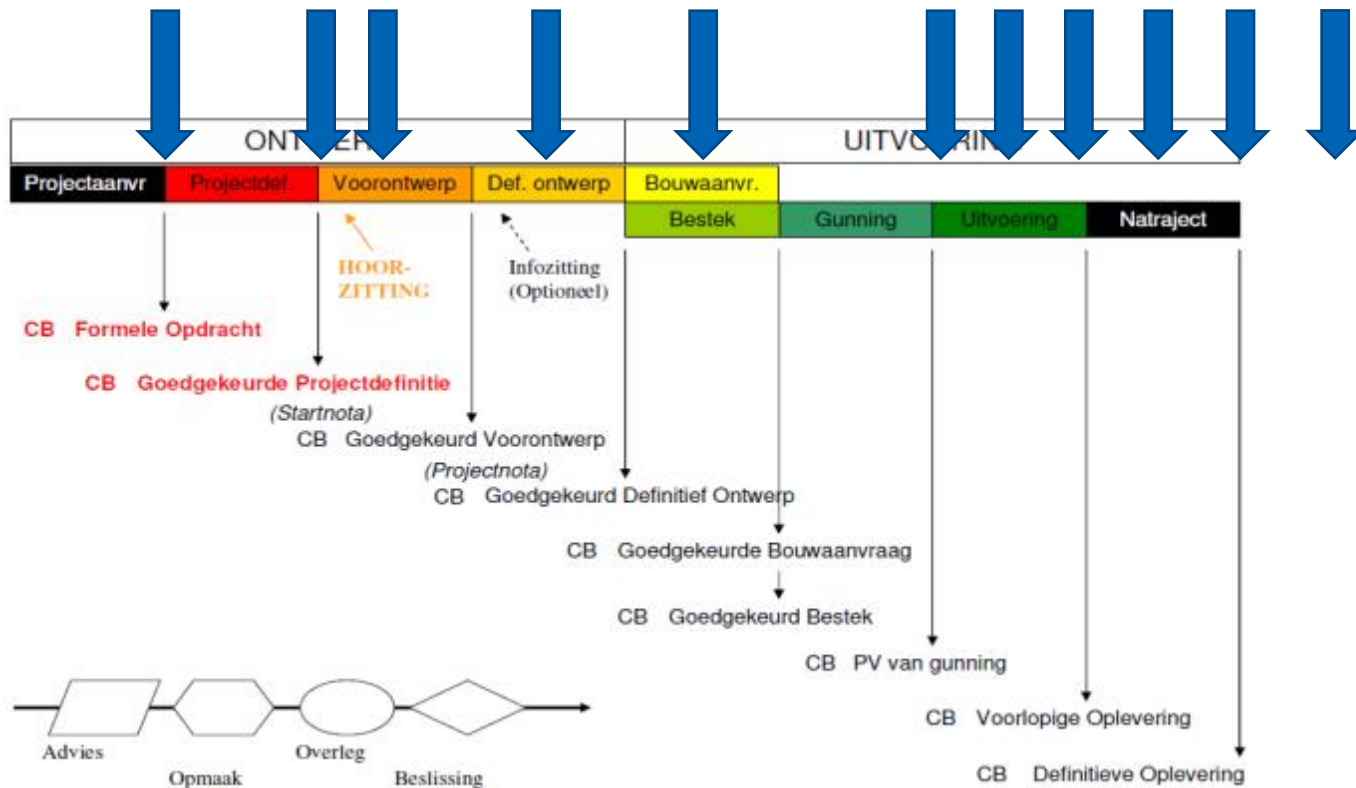
- **Coördination committee for public spaces**



# Antwerp today – Park Management

## Management Instruments

- **Coördination committee for public spaces**





# Antwerp today – Park Management

## Management Instruments

- **POORT**

- *Calculation tool*
- *Year-round maintenance*
- *Long-term maintenance and interventions*
- *€ 20.000,- / ha / year*
- *For every new design, intervention or change in public parks and public spaces*
- *Approved by the city council*

# Park Management - topics

## Topics on Sustainable Park Management

- **Grassland**
- **Trees / forest**
- **Water Management**
- **Invasive plants**
- **Parcs for people**

# Grassland

From short-grass lawn ...



# Grassland

... to species-rich hay meadow



# Grassland

... to species-rich hay meadow



# Grassland

... grassland borders



# Grassland

Species-rich grassland



# Grassland

## Natuurpunt Label





# Grassland

‘Clean borders’ along park roads



# Grassland

‘Clean borders’ as a guidance



# Grassland

‘Clean borders’ to reduce maintenance



# Grassland

‘Clean borders’ to increase accessibility



# Grassland

Nature Based 'modelling' of new parks



# Grassland

Nature Based 'modelling' of new parks



# Grassland

## Insect Hotel



# Grassland

## Adapted machines & techniques





# Trees

Forested area's



# Trees

Forested area's: natural regeneration



# Trees

Native Species: 'Native +'



# Trees

'Veteran' trees



# Trees

'Veteran' trees



# Water management



# Water management

## Drought



# Water management

## Infiltration in ponds





# Water management

## Infiltration in Wadi's



# Water management

## Restoration of waterways



# Water management

## Water Storage



# Invasive Plants

## Fallopia



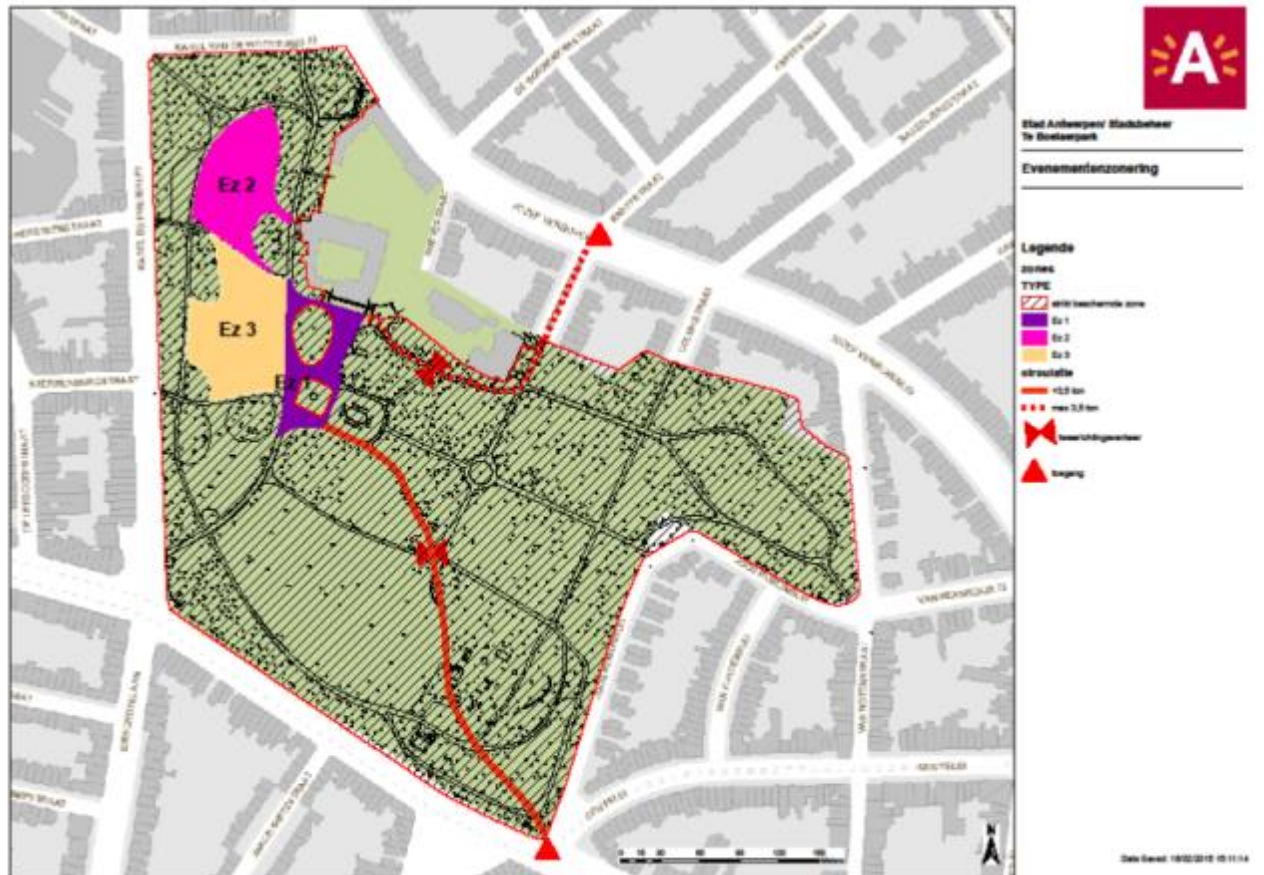
# Intensive use

## Event area's



# Intensive use

## Event area's



# Intensive use

## Event-zones



# Intensive use

## Permanent high-dynamic spots





# Intensive use

## Gardening



# Hybrid parks

## Green pavement



# Hybrid parks

## Trees for the Future



# Hybrid parks

## Green walls



# Hybrid parks

## Dock South



# Hybrid parks

## Dock South



