

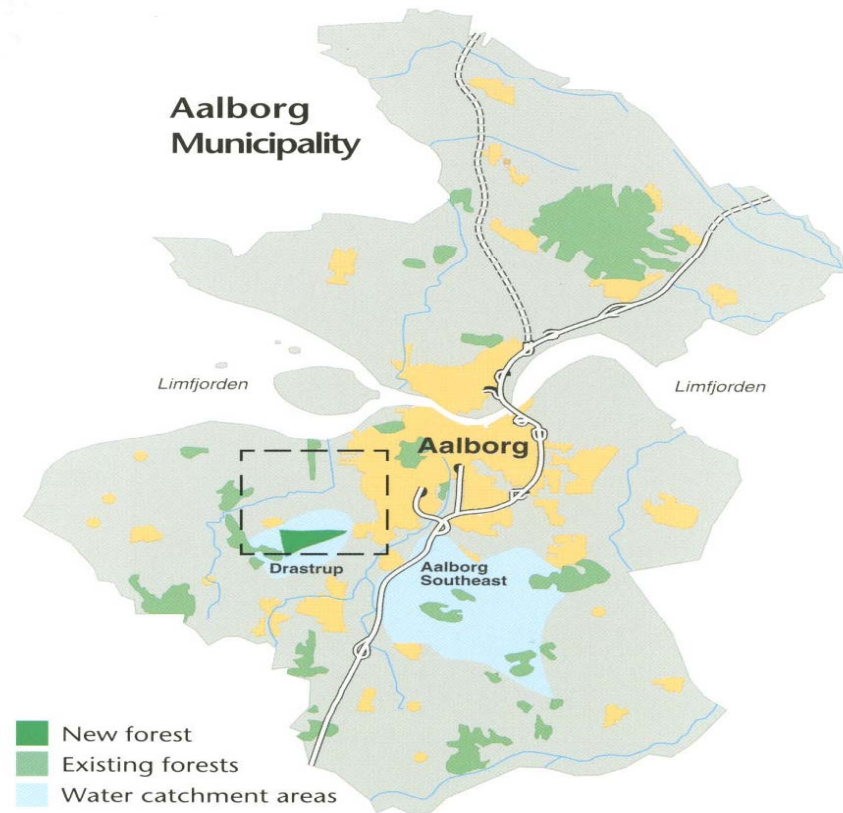


# The Drastrup Project

Sustainable land-use in groundwater  
catchment area  
Aalborg. Denmark

# Drastrup project

Drastrup area: nearly 900 hectares



# Drastrup Project

- Water catchment area for 1/3 of the city of Aalborg. Approx. 1.7 million m<sup>3</sup> clean untreated groundwater
- The substratum consist of lime and chalk
- Upper layers of the groundwater reserves are polluted (N more than 120 mg/l and pesticides)





# Drastrup Project

- For more than 25 years the city Council of Aalborg has implemented holistic planning with the full involvement of local citizens.

## Aims:

- Untreated, clean groundwater as drinkingwater – also in the future
- Enlarging nature and forest area
- Enlarging recreation area
- Macroeconomic benefits



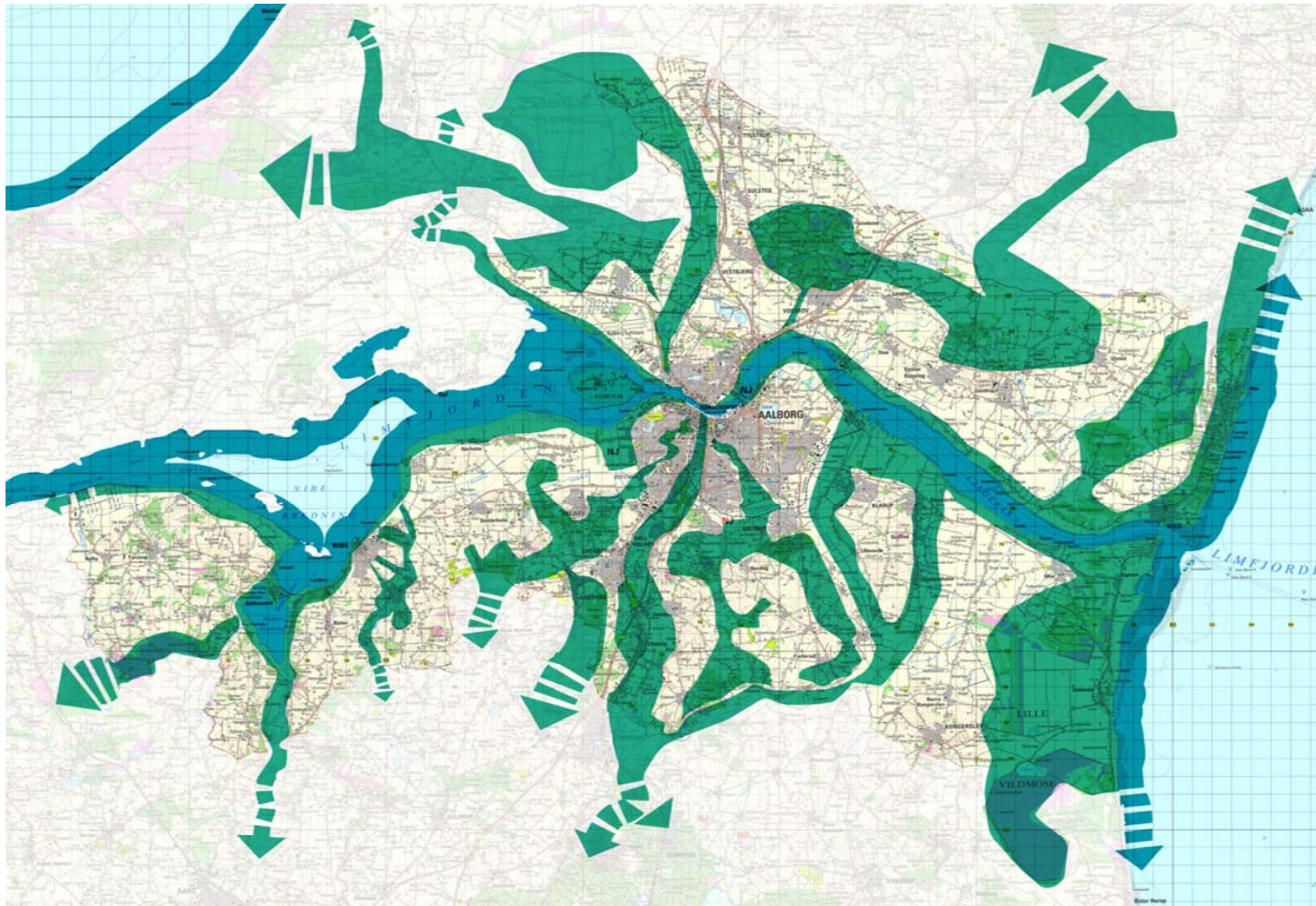
# Drastrup Project

New methods:

- Land use plan – green structure
- Following group
- Voluntary agreements with farmers
- Land distribution to accumulate areas
- No fertilisers or pesticides
- Afforestation – new methods
- Permanent grassland – 0.5 AU/he
- Campaigns and information
- Monitoring
- 3 mio kr/year – tax, 6 mio kr – EU-Life



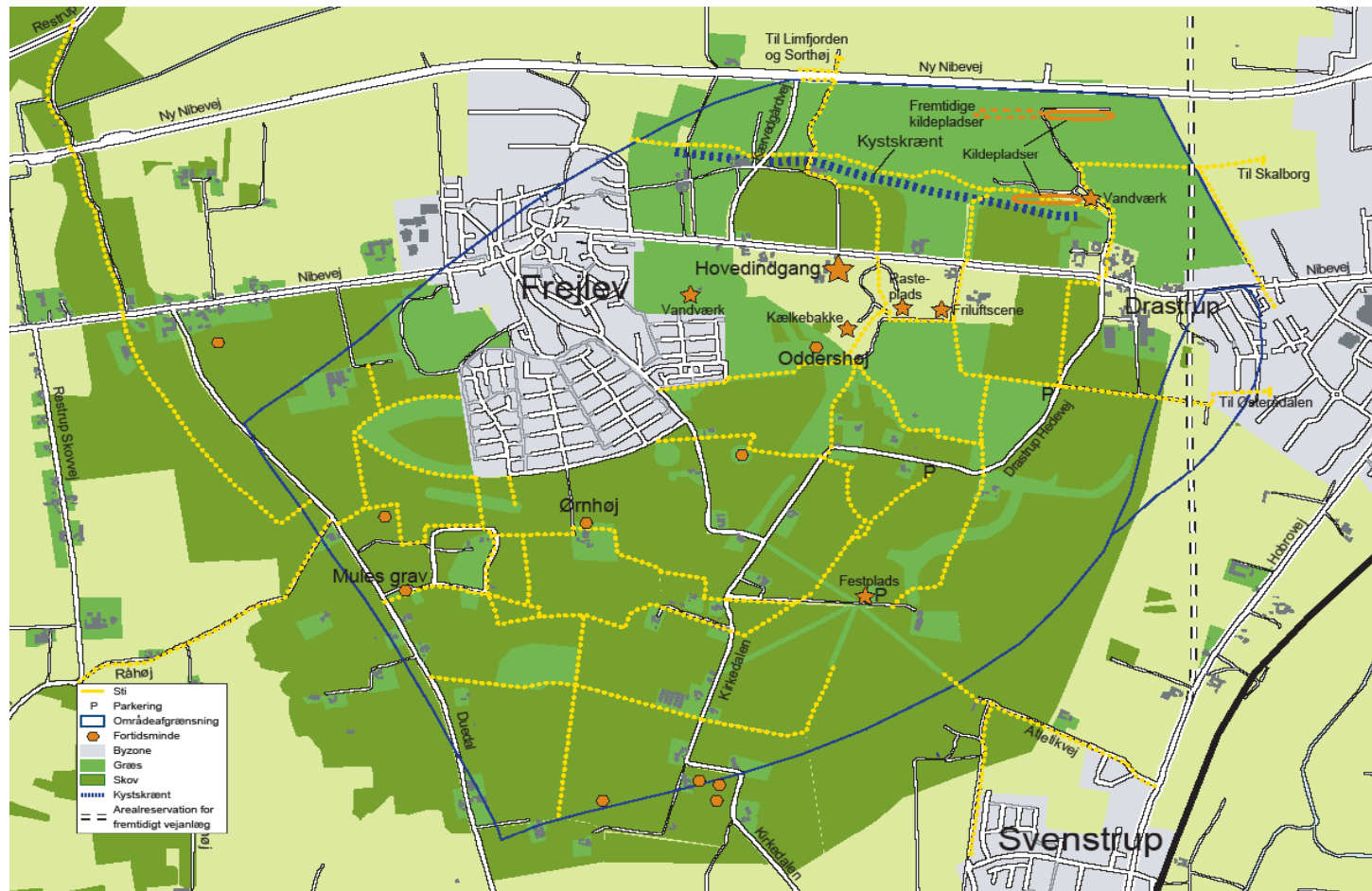




City of Aalborg



AALBORG  
KOMMUNE



City of Aalborg



AALBORG  
KOMMUNE



- Action Plan for groundwater protection near the well
- Declaration for using nitrogen and pesticides.
- Right to expropriate the use of nitrogen





# Drastrup project

## Results

- Afforestation: App. 600 he
- Permanent grass: App 100 he
- N app. 5 mg/l in the upper layers of the new groundwater
- Rekreation: App. 20 km footpath
- Two towns are pesticides-free towns
- Macroeconomic benefits

## Remains:

- 200 he arable land
- Legislation



# Drastrup project

For more information:

[www.aalborg.dk/drastrup](http://www.aalborg.dk/drastrup)

[www.water4all.com](http://www.water4all.com)

[www. Watercost.com](http://www.Watercost.com)

Thank you for listening.

