



City of Amsterdam

Amsterdam city of elms

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Amsterdam

10-10-2013



Management of public green spaces

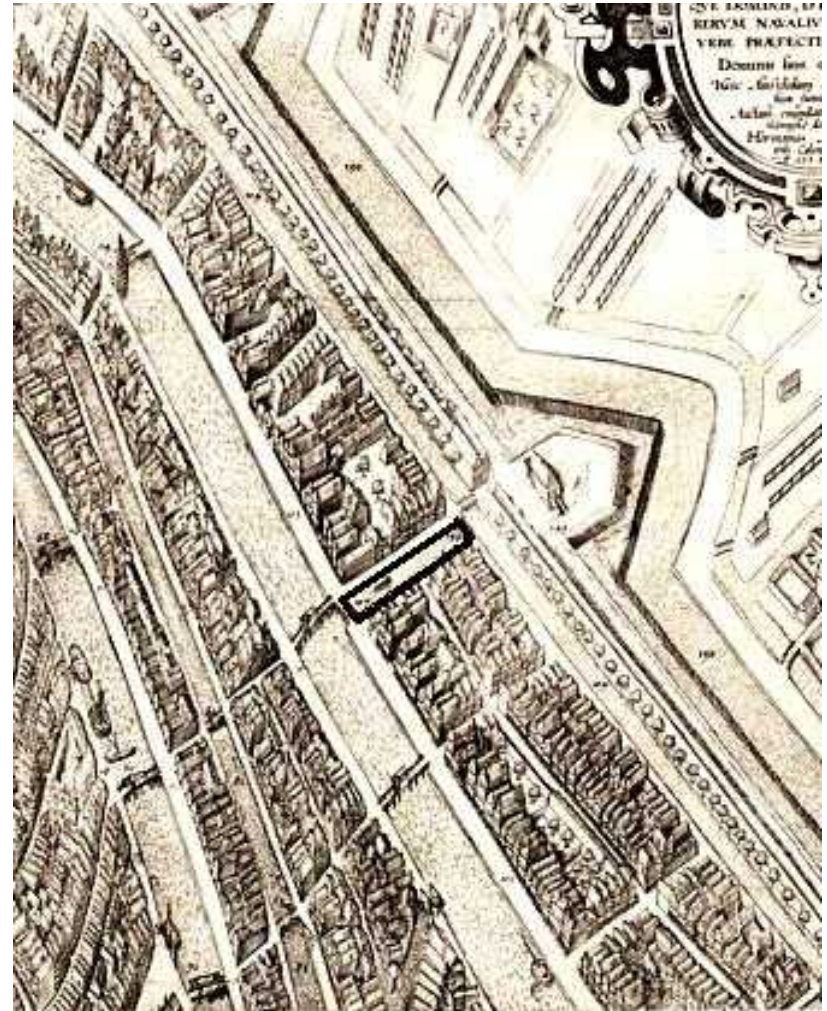
- 10 Tree managers
- Physical work outsourced to professional companies
- Qualified European treeworkers





Canal ring

- Constructed 400 years ago
- Trees were planted along the water
- To a set pattern of two 'Amsterdam rods' (7.36 m.)



10-10-2013



The 'Golden Bend' Herengracht (now and then) featuring the mayor's official residence



1 januari 2003



In 1610 Venetian ambassador Tomaso Contarini compared Cannaregio district to the Amsterdam's canals





Unesco World Heritage in 2010

- The systematic planting was explicitly mentioned
- First limes than elms
- Protected cityscape Florence UWH in 1982





Dutch Elm Disease reached Amsterdam in about 1920
The city counsel donated 500 guilders to national research



Hans Heybroek



Amsterdam a green metropolis

- 350,000 trees
- 75,000 elms
- European City of Trees in 2012





elms are 'tough'

- Historic value
- Best suited because of
 - High groundwater
 - Densification
 - Salting for icy roads in winter
 - Brackish environment (near coast)





Controlling DED by a package of measures

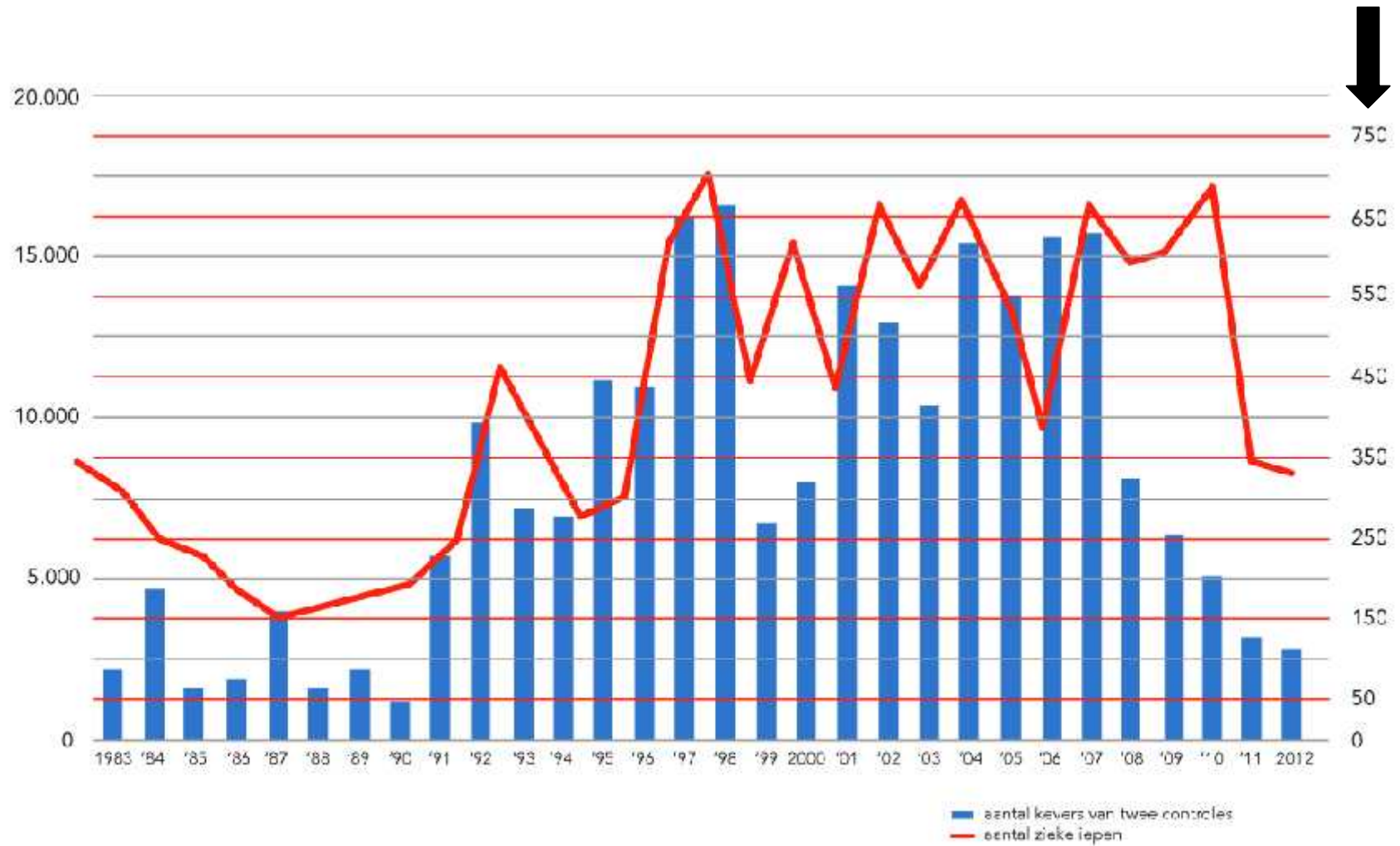
- Identify (public and private)





Controlling DED by a package of measures

- Inspections at least twice a year
- Removed within 10 days after signaling
- Always replaced by more resistant elms
- Uprooted, debarked en/or chipped *directly on site*
- For either diseased and healthy elms
- Clearing in private gardens is funded by the city
- All laid down in a municipal by-law
- Monitoring by traps
- Costs close to 1 million euro (incl. work city authorities)

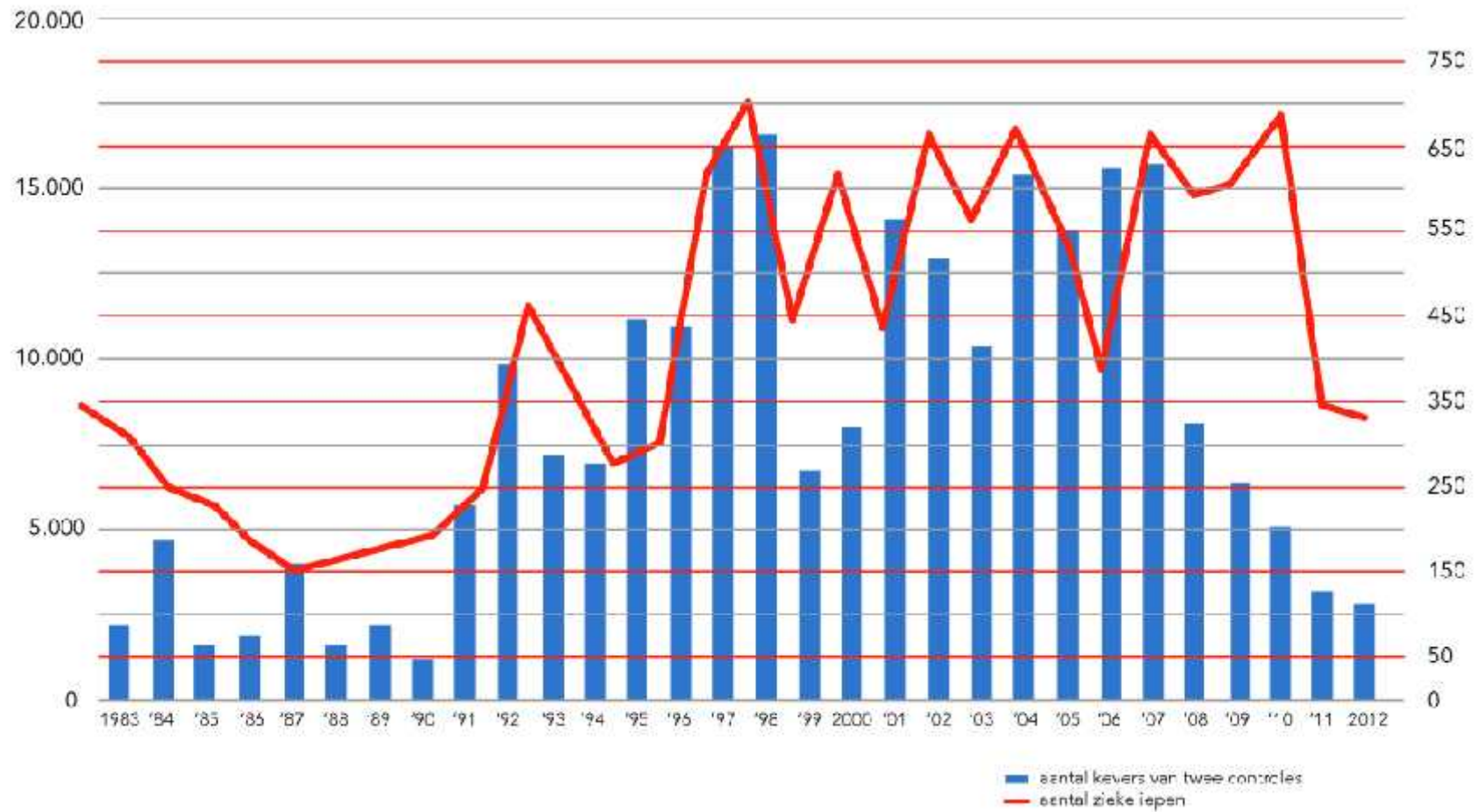


1 januari 2003



Beetle trap







Increase in demand of highly resistant elms

After arrival of

- Ash dieback
- Bleeding canker of horse chestnut
- Massaria disease of plane trees
- Pests like the oak processionary caterpillar





Elm arboretum (Ulmetum) 2010

70 trees

32 varieties and
cultivars



Planted in last 10 years

'Dodoens', 'Columella', 'New Horizon', laevis

Also good cultivars for the city

(Fr.) 'Nanguen' and 'Wanoux'

(It.) 'Plinio' and 'San Zanobi'



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Springsnow

The high concentration of elm trees can produce a real Spring Snow





Elm seeds become a hype

- On top of salads (Noma Copenhagen, two star Michelin)
- On top of pastries (Holtkamp Amsterdam)
- Candy based on elm seeds (Papabubble Amsterdam)





Amsterdam is optimistic that further scientific research and the planting of more resistant elm trees (on resistant rootstock) will enable us to one day overcome DED

Thank you for allowing me to share our story with you here!