

## GENERAL INFORMATION

author(s)	Nys M
year	1983
English title	Inventory of the forests and green infrastructure in 'het Land van Rode'
original title	Inventarisatie en sociale aspecten van de macro-groenvoorziening en bosverspreiding in het Land van Rode
reference	Msc thesis, Ghent University, Ghent
pages	132
type	dissertation (d2)
ecosystem service	cultural – recreation
keywords	forest index, forest fragmentation, multifunctional forest
taxa	
project	
supervisor	Van Miegroet M
institution	Laboratory of Forestry
document	hardcopy, pdf
data	maps + table with info for each numbered parcel on the maps

## MATERIALS & METHODS

study area	Gavere, Melle, Merelbeke, Oosterzele
time period	
goal	Study the recreational possibilities of green infrastructure (forests, parks, plantations) and the population density in municipalities of the Land of Rode.
set-up	population study inventory of the forests, parks, plantations
data collection	<p>population study</p> <ul style="list-style-type: none"> <li>- census of 1970</li> <li>- population of municipalities in 1980</li> </ul> <p>inventory</p> <ul style="list-style-type: none"> <li>- cadastral maps ('forest', 'park') + topographic maps + aerial photographs (1976) + terrain check (land cover)</li> <li>- data per parcel: <ul style="list-style-type: none"> <li>o code: number of municipality, forest complex, forest parcel, owner</li> <li>o ownership: private, firms/non-profit associations, public</li> <li>o area (ca)</li> <li>o parcel code, consisting of three numbers <ul style="list-style-type: none"> <li>▪ type: plantation, forest, park, park-forest, wasteland, arboretum, lane</li> <li>▪ species: coniferous, deciduous, mixed, clearcut</li> <li>▪ forestry type: high forest, coppice with standards, coppice, clearcut</li> </ul> </li> <li>o the most abundant tree and shrub species, and the main herb species; difference between main species, second species, understory</li> <li>o function: production, recreation, sheltering, ecological</li> </ul> </li> </ul>
remarks	types of green infrastructure, forestry, forest function, owner are defined

## RESULTS

The forests in the Land of Rode have become too much fragmented. To meet the recreation need, forest expansion will be necessary and forest accessibility should increase. Nine multifunctional forest complexes are present in the Land of Rode, among which the Aelmoeseneie forest.

	Gavere	Melle	Merelbeke	Oosterzele
forest index (%)	4.86	9.18	12.08	8.05
forest/inhabitant (m <sup>2</sup> )	168	142	244	296
forest (% green area)	85.06	64.81	85.53	82.27
plantation (% green area)	12.99	12.30	9.33	11.99
coniferous (% green area)	1.34	6.87	4.03	0.69
deciduous (% green area)	87.90	69.49	75.74	91.74
main tree species	poplar ash oak	beech poplar oak	poplar beech oak	poplar oak beech
secondary tree species	oak ash poplar	red oak oak chestnut	poplar larch ash	oak ash red oak
high forest (% green area)	96.54	94.80	98.26	96.48
coppice (% green area)	2.38	4.64	1.06	3.03
mean area forest complexes (ha)	1.86	4.09	4.16	3.31
mean area per owner (ha)	0.94	1.96	2.04	1.24
mean area private owner (ha)	0.86	1.81	1.97	1.15
mean area public owner (ha)	2.19	3.18	3.81	4.02