

GENERAL INFORMATION

author(s)	Harrie J
year	1981
English title	Using digital image processing for the identification of tree species on large-scale colour infrared aerial photographs
original title	Gebruik van digitale beeldverwerking voor identifikatie van boomsoorten op grootschalige kleurinfrarood luchtfilm
reference	Msc thesis, Rijksuniversiteit Gent, Gent
pages	137
type	dissertation (d2)
ecosystem service	none
keywords	
taxa	
project	
supervisor	Goossens R
institution	Laboratory of Forestry
document	hardcopy
data	

MATERIALS & METHODS

study area	5n, 6a
time period	1980
goal	Identification of tree species on digitized colour infrared aerial photographs
set-up	1 ha study plot marked on the aerial photograph of 1977
data collection	species identification in the forest (1980) crown delineation on the photograph density of the photograph
remarks	used data of VanRoosbroeck 1982 aerial photograph: Kodak Aerochrome Infrared film 2443, 1:2000

RESULTS

Based on the species identification, 12 classes were identified. Analysis of the density data revealed only 4 categories based on the spectral characteristics, which were then categorized as three classes 'deciduous', 'coniferous' and 'open space'.