

GENERAL INFORMATION

author(s)	Verbeeck H
year	2002
English title	Modelling the C and water vapour exchange between a mixed deciduous forest and the atmosphere
original title	Modellering van de koolstof- en waterdampuitwisseling tussen een gemengd loofbos en de atmosfeer
reference	Msc thesis, Ghent University, Ghent
pages	174
type	dissertation – d2
ecosystem service	regulating – water cycle
keywords	FORUG, C cycle, interception,
taxa	
project	
supervisor	LemEUR R, Samson R
institution	Faculty of Agricultural and Applied Biological Sciences, Laboratory of Plant Ecology
document	pdf_short, hardcopy at the Laboratory of Plant Ecology
data	

MATERIALS & METHODS

study area	5 n (scientific zone)
time period	
goal	An easy-to-use and model on the interactions between a forest and its surroundings that enables predictions of the effects of global change on the C and water cycle in a mixed deciduous forest.
set-up	combination of the model of Callens_2000_th and the model of Deurinck_2000_th calibration and validation with data collected in other studies
data collection	data 1997
remarks	

RESULTS

The two base models were tested, adapted, and the parameter names were made consistent. The two models were put together in one model, written in VisualBasic. The final model was then parameterized and an error analysis was performed. Some days and years were modelled and some future scenarios were calculated.