



TWO-LAYER DECIDUOUS-SPRUCE STANDS HOW TO CUT?



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18/12/2019



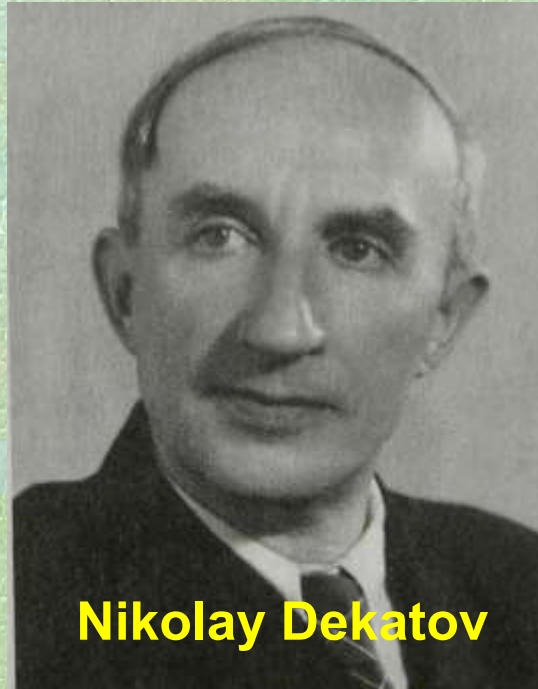
Preface



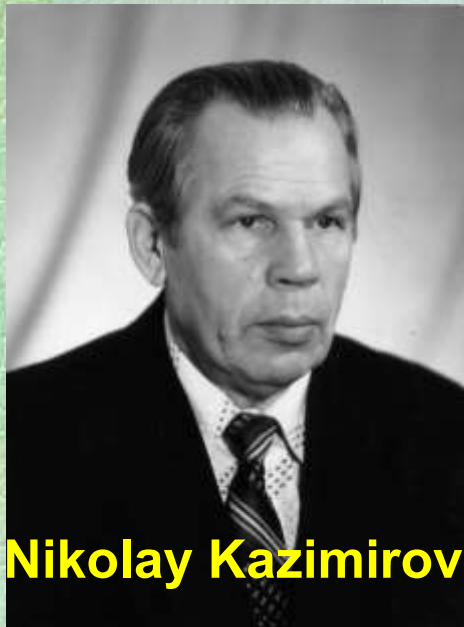
BOFORI-project meeting 18/09/2019



Investigation history in Karelia 1950 - 1985



Nikolay Dekatov



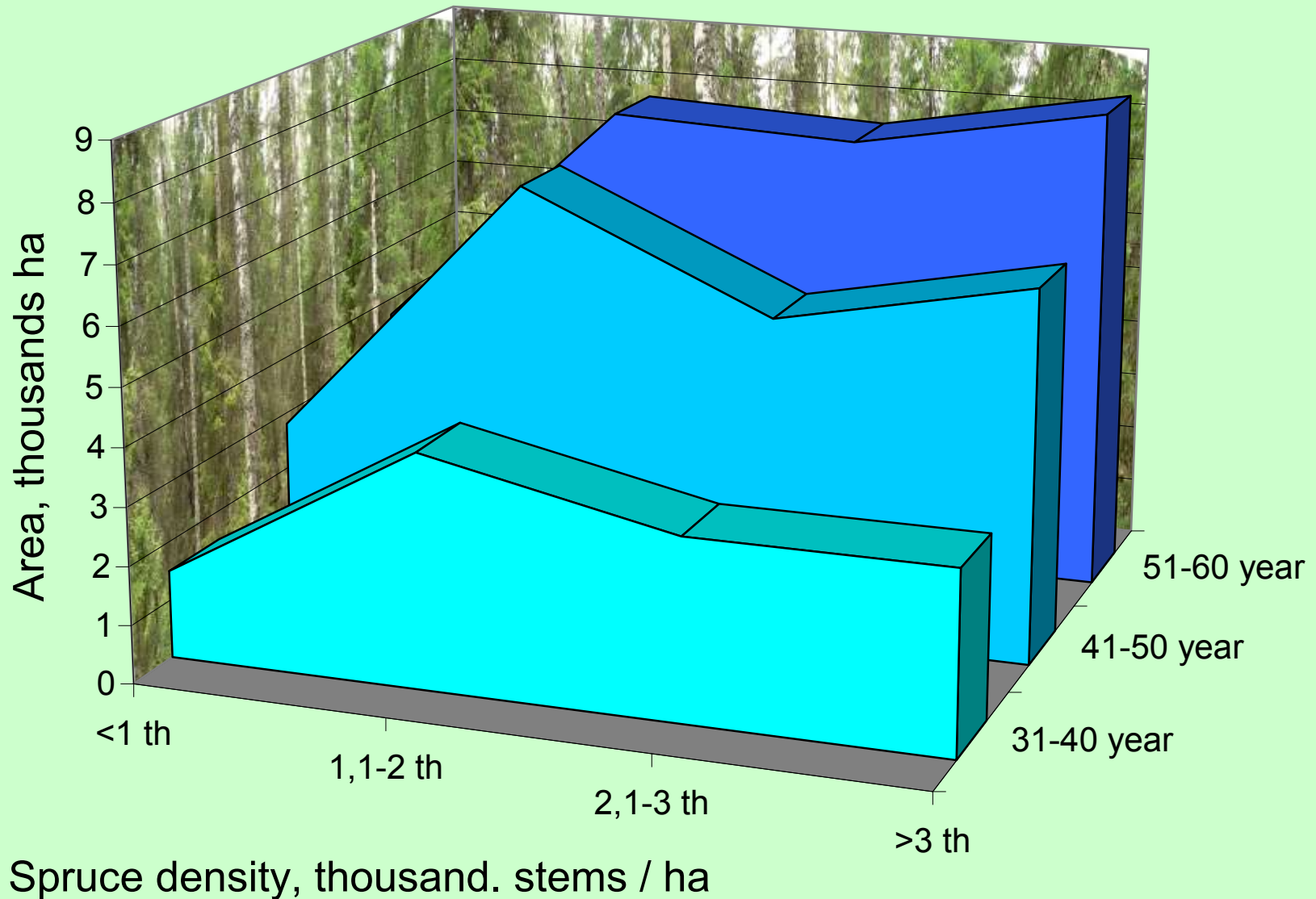
Nikolay Kazimirov



Alexander Volkov



The area of two-layer deciduous-spruce stands in southern Karelia (1989)





Resources growing of two-layer deciduous-spruce stands





35-year-old deciduous stand with spruce in second layer (1981)



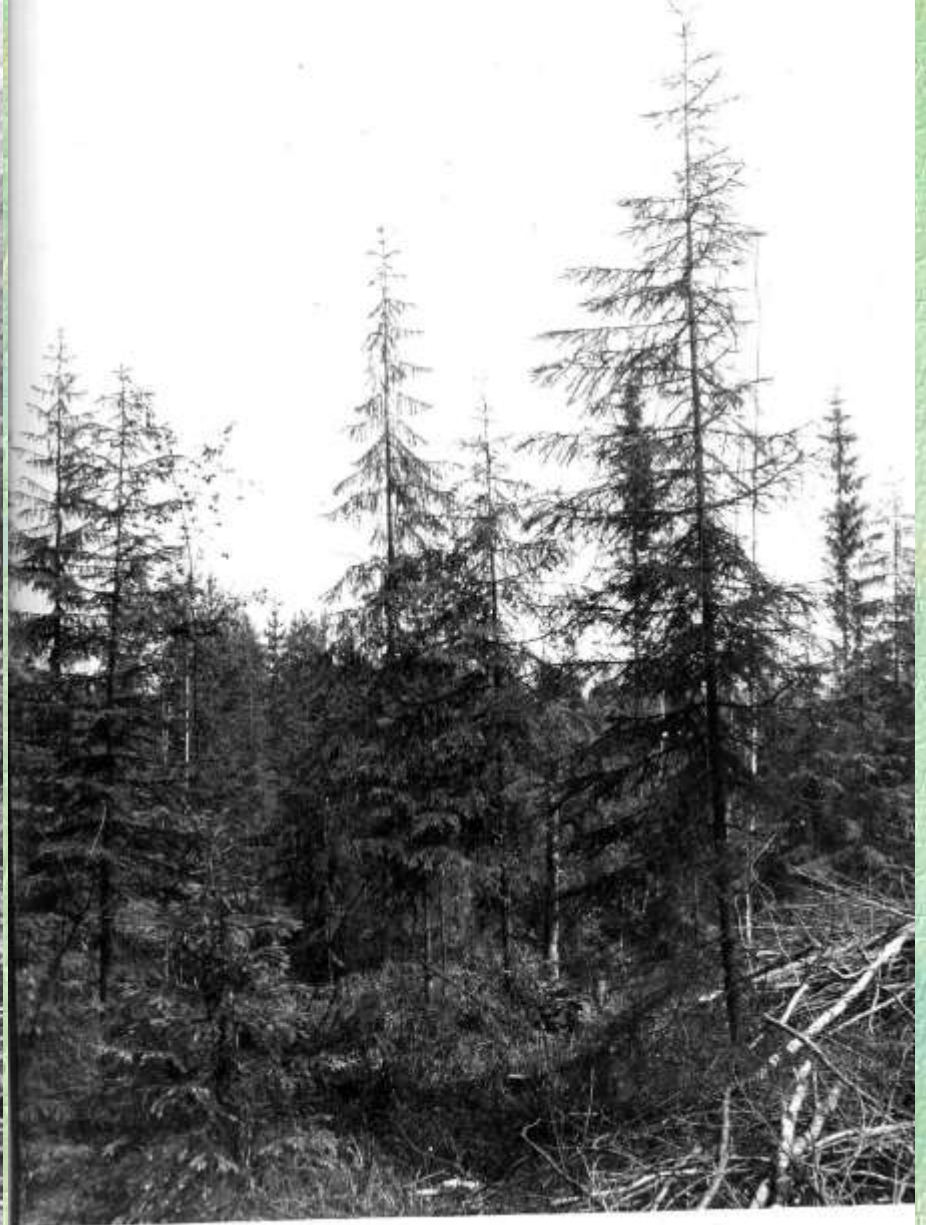


Cutting of deciduous layer in 35-year-old stand (1982)





35-year-old spruce after cutting of deciduous layer (1983)



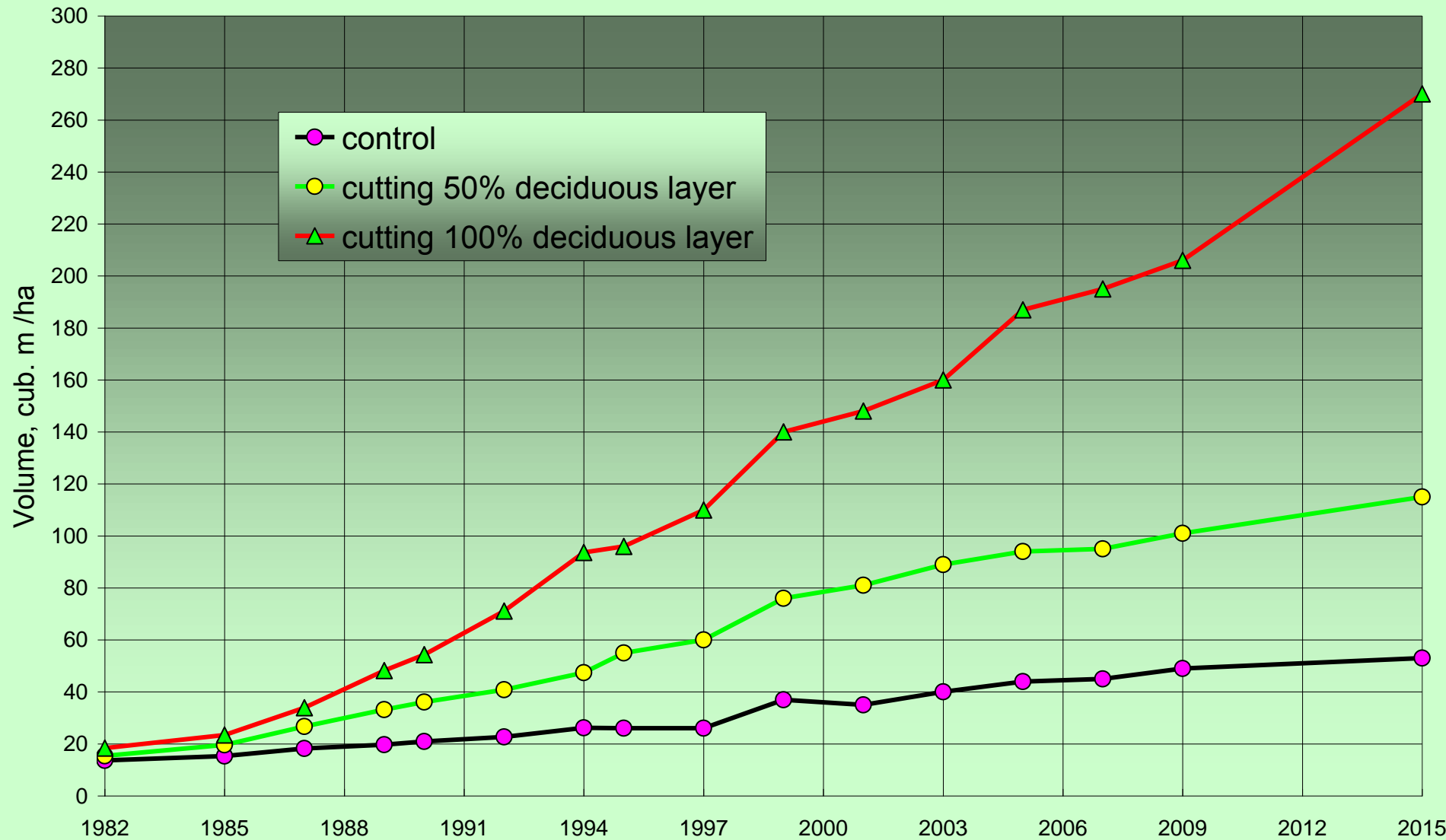


35-year-old spruce after 22 year (2005)





Volume dynamic of 35-year-old spruce after cutting of deciduous layer





45-year-old deciduous stand with spruce in second layer (1982)





45-year-old spruce after cutting of deciduous layer (1983)



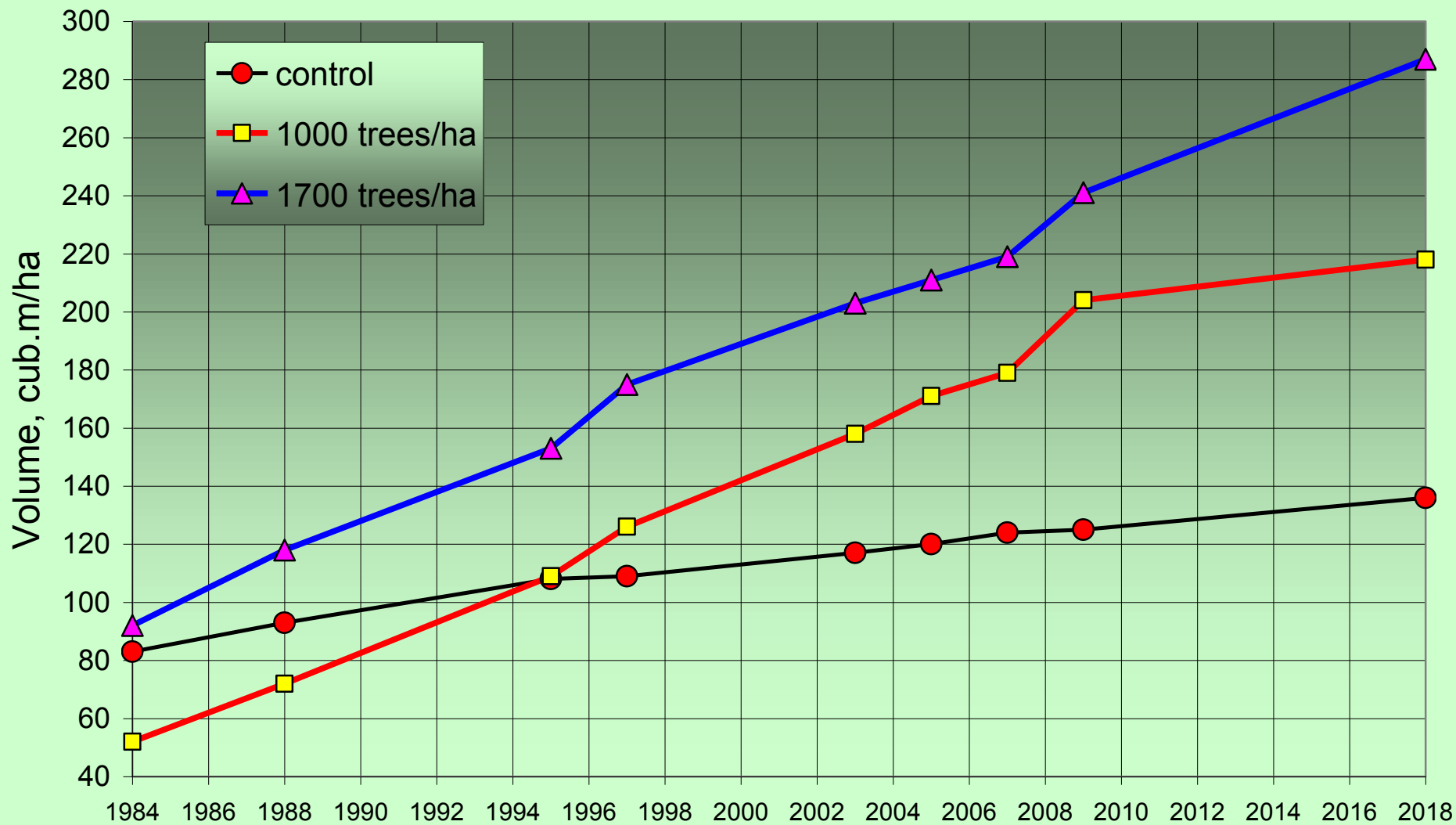


45-year-old spruce after 27 year (2010)





Volume dynamic of 45-year-old spruce after cutting of deciduous layer





55-year-old spruce after cutting of deciduous layer (Alexander D. Volkov 1970)



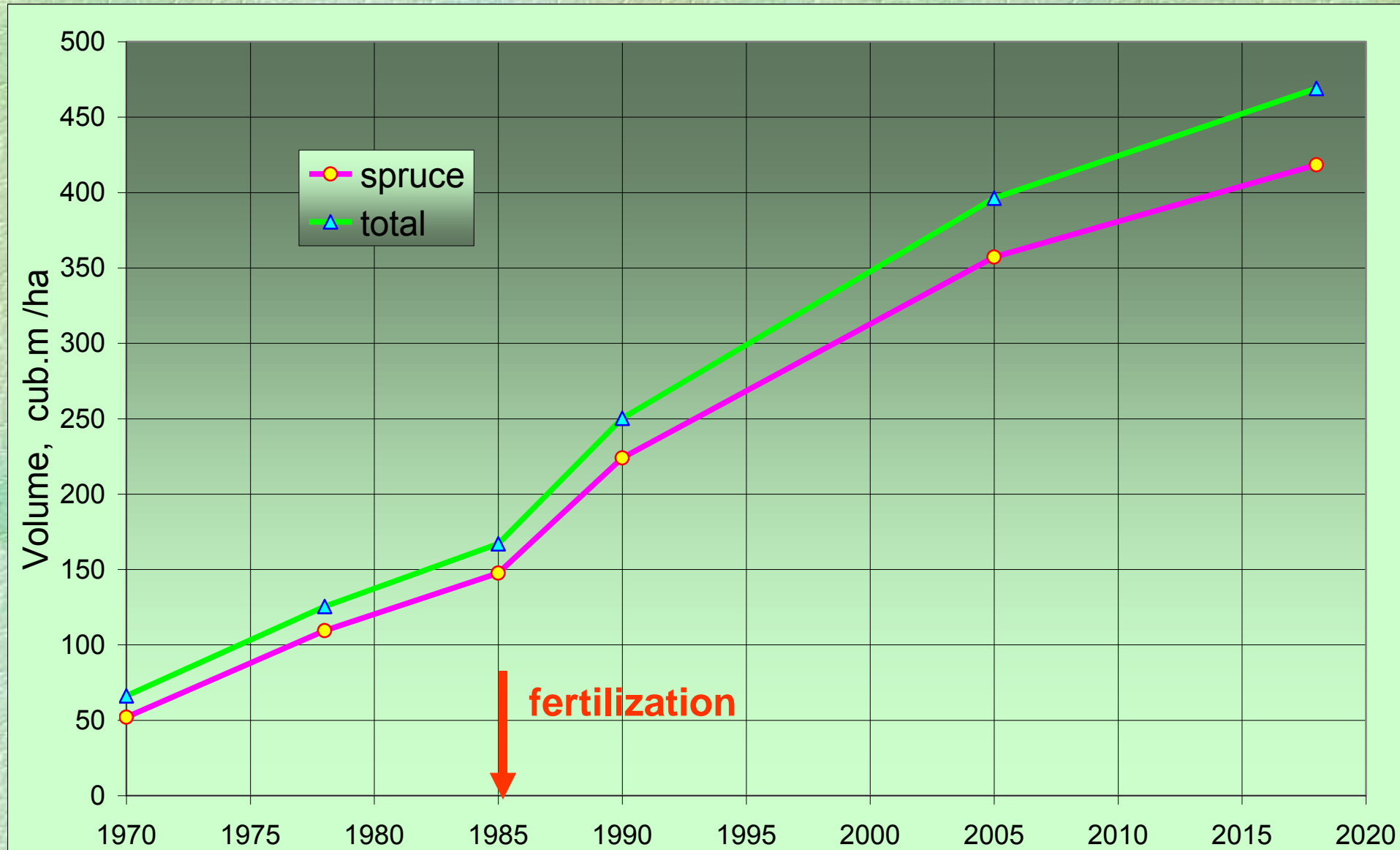


45-year-old spruce after 35 year (2005)



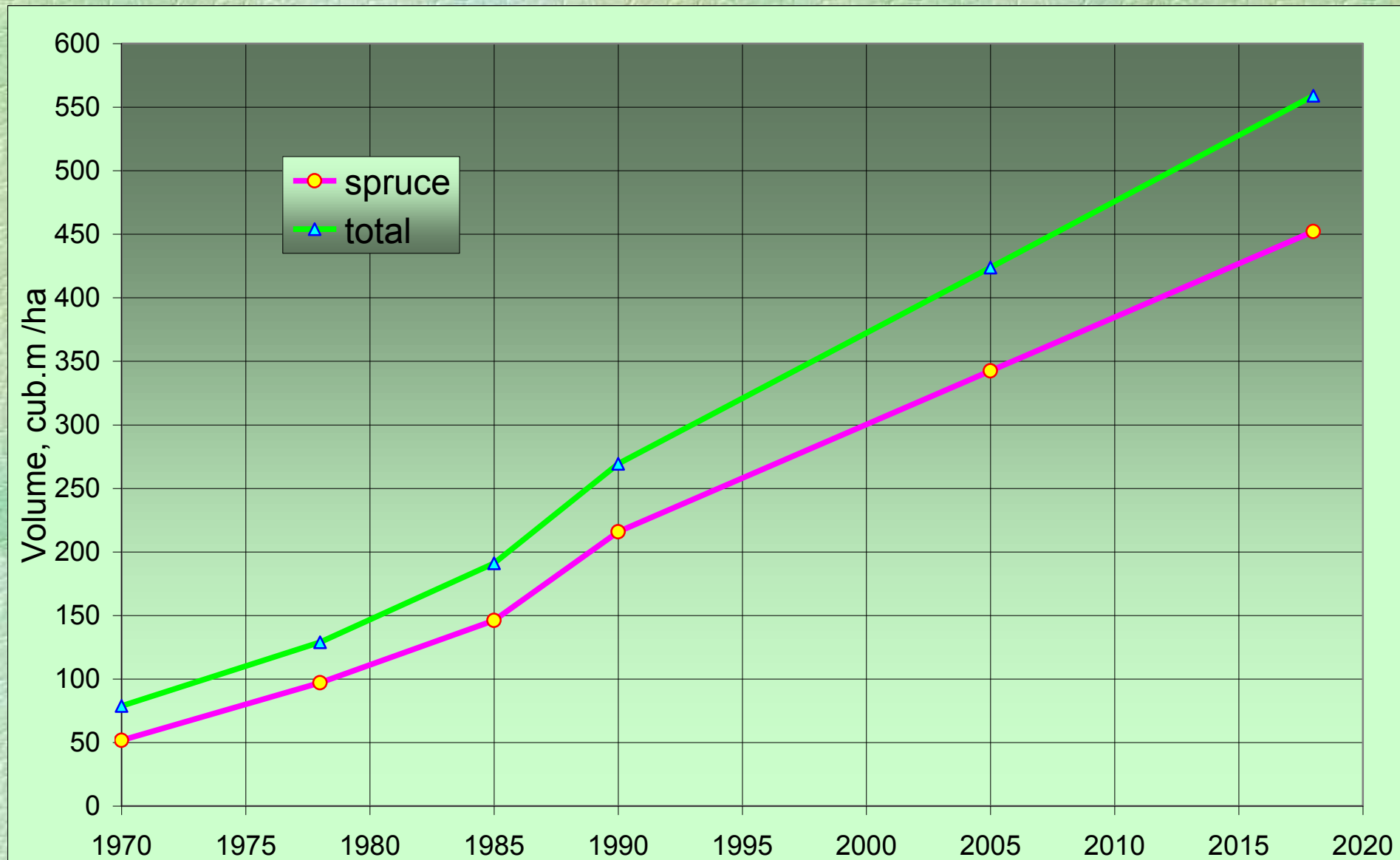


Volume dynamic of 55-year-old spruce after cutting of deciduous layer (site index III)



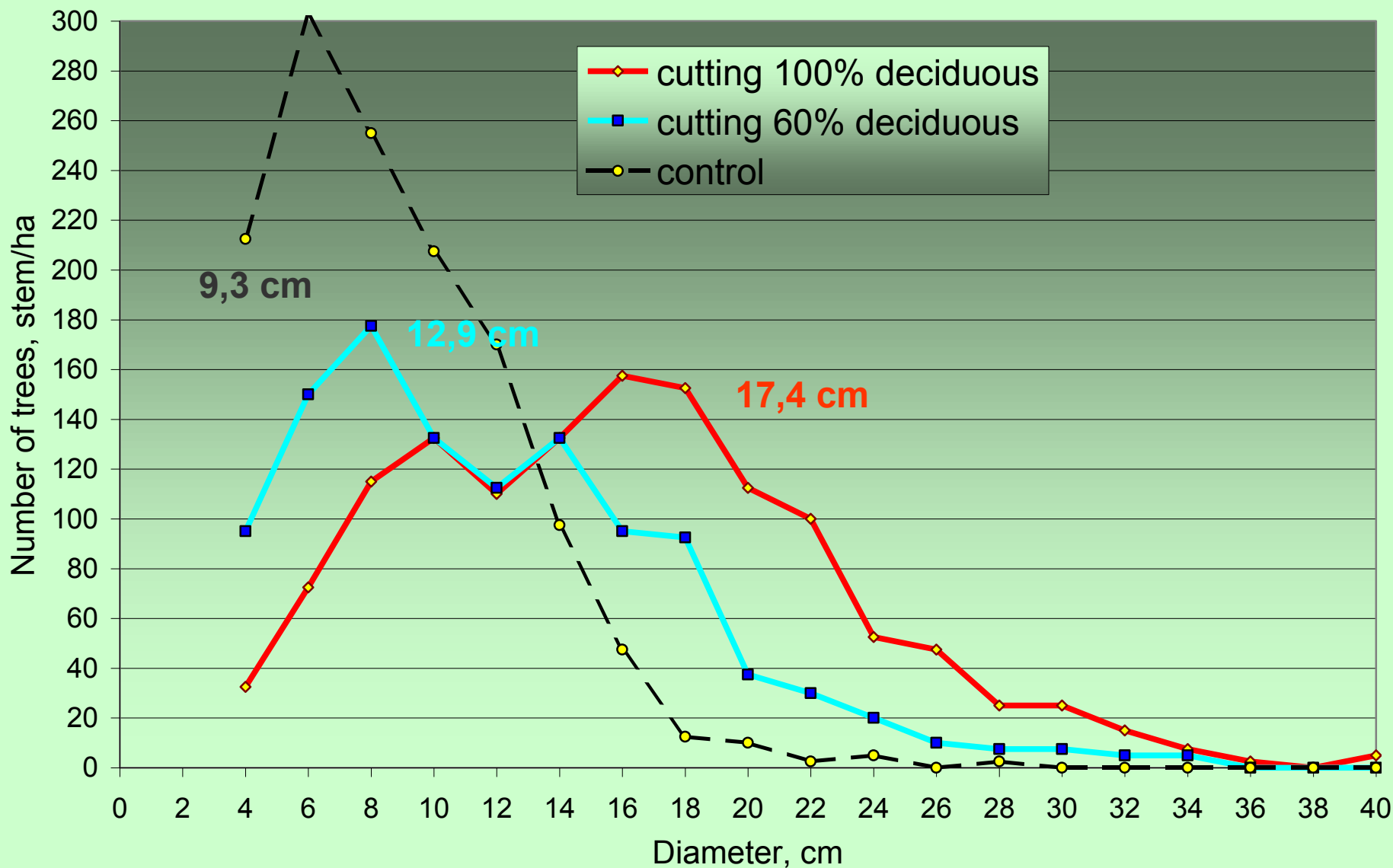


Volume dynamic of 55-year-old spruce after cutting of deciduous layer (site index II)





Diameter distribution of 35-year-old spruce after 33 year





1987 - 2006

**Industrial cutting in deciduous stands
(without researchers)**



2012

