

LEONARDO DA VINCI PROJECT MYKOS

in cooperation with METLA, Parkano Research Station, in a project "Regulation of fruiting body production of *Boletus pinophilus*".



Activities performed by
METLA until October 2002



Irrigation experiment in Scots pine forest in Finland

- 8 experimental plots were established at the beginning of June 2002
- fruit body production was monitored from June to the end of September
- two researchers, two students and several experts in field experiments and laboratory from METLA were involved



2.6.2003





Water was pumped from the lake beside the area through a main pipe to the experimental plots. Pipe connectors and sprinklers were used to distribute the water to the plots.



2.6.2003



In field we measured water precipitation, soil temperature and soil moisture during the growing season.



water precipitation

In the laboratory we measured soil pH, main nutrients from the humus, dissolved N-compounds (NH_4^+ , NO_3^- , DON) and ergosterol (fungus biomass).



soil temperature



Ville Puranen measures soil moisture



The yield of all fungus species (number and dry weight of the fruit bodies) was recorded once or twice per week.



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