

STUDENT SUMMARY (Katarzyna Ostapowicz)

LARS LUNDIN

DATA FOR ASSESSING THE CONDITIONS OF EUROPEAN FORESTS IN A CHANGING ENVIRONMENT

The monitoring of European Forest is important for understanding the forest environmental condition over time.

The lecture presented two levels of forest monitoring; continental (Europe) and national (Sweden).

International European forest monitoring programmes (UNECE CLRAP, EMEP, WGE, CAFE, NFI, A-LTER) have been focused on the monitoring of emission and deposition. The problem is analysed on two levels. Level I describes the forest distribution and defoliation. Level II surveys on intensive monitoring plots (ICP Forest).

Swedish National Forest Inventory is the intensive monitoring project and corresponds with intensive forest monitoring. The inventarization concerns different forest variable: land use, humus, hydrology, land type, texture, soils, soil chemistry, vegetation, biodiversity and soil change. The analysis started in 1923. During last 10-years periods (1993-2002, 2003-2012) the most complete forest description, monitoring and planning, were obtained.