

	Parameter	Frequency
Soil	pH	annual
	Texture	every 20 years
	Inorganic carbon concentration	every second year
	Total carbon concentration	every second year
	Total nitrogen concentration	every second year
	Total phosphorus concentration	every second year
	Bulk density	every 20 years
	Wood decomposition (popsicle stick method)	biannual
	Microbial biomass carbon/basal respiration (O ₂ -microcompensation)	annual
	Microbial community structure (PLFAs)	every second year
	Top- and subsoil (long-term archiving, down to 1 m)	every 4-5 years
Plants	Tree growth (height, DBH, basal diameter)	annual
	Tree vitality, damage, and mortality	annual
	Leaf carbon, nitrogen, and phosphorus concentrations	annual
	Mycorrhization rates (AMF and EMF)	every 5 years
	Mycorrhizal fungal communities (DNA-sequencing, AMF and EMF)	every 5 years
	Traits of oak clone phytometers (added to plots)	annual
Climate	Air temperature and humidity (+15, 100 cm, plotwise)	every 30 minutes
	Soil temperature and moisture (-5, -15, -55 cm, plotwise)	every 30 minutes
	Air temperature, humidity, wind speed, wind direction, precipitation (site-level)	every 30 minutes