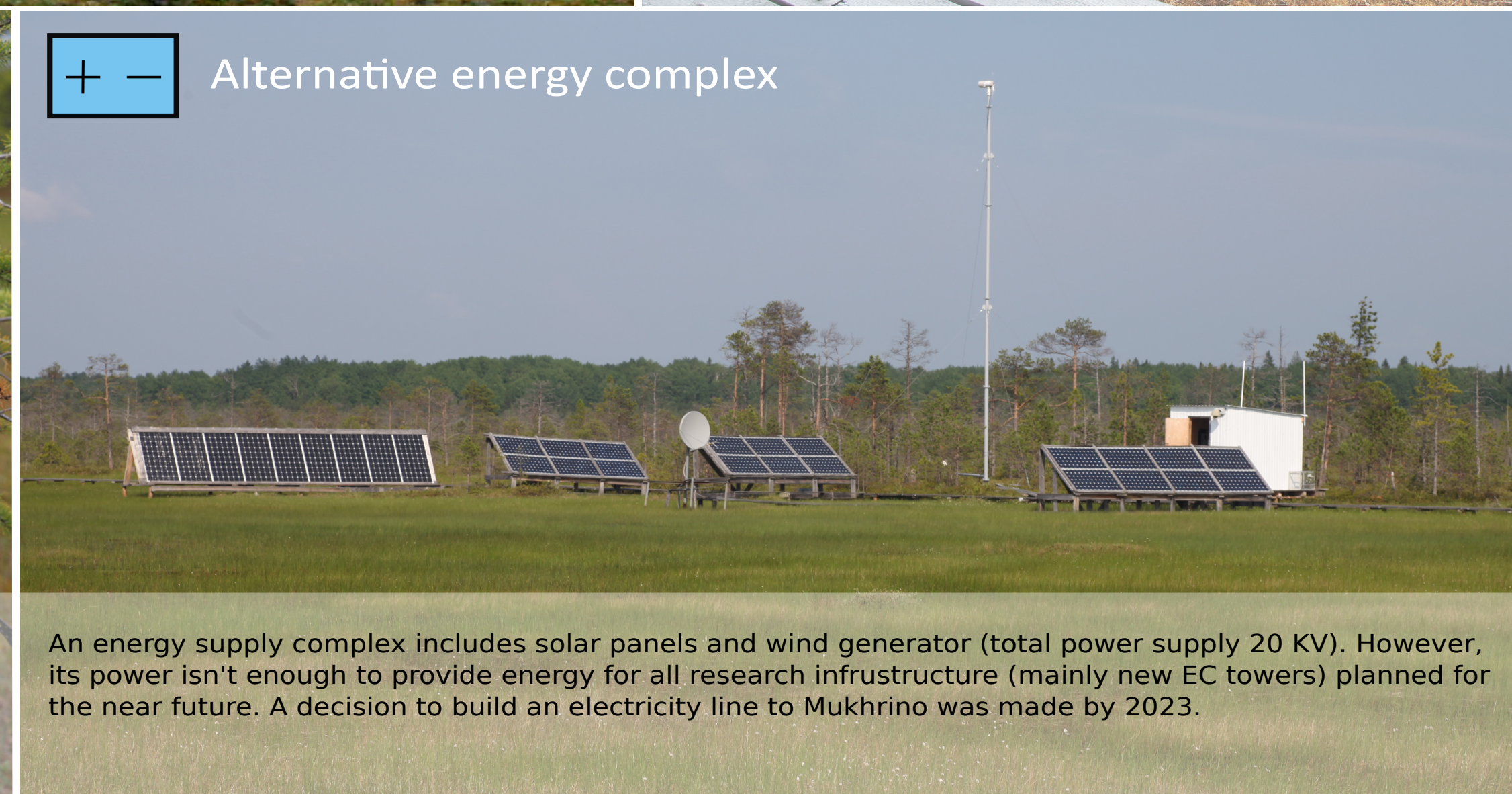
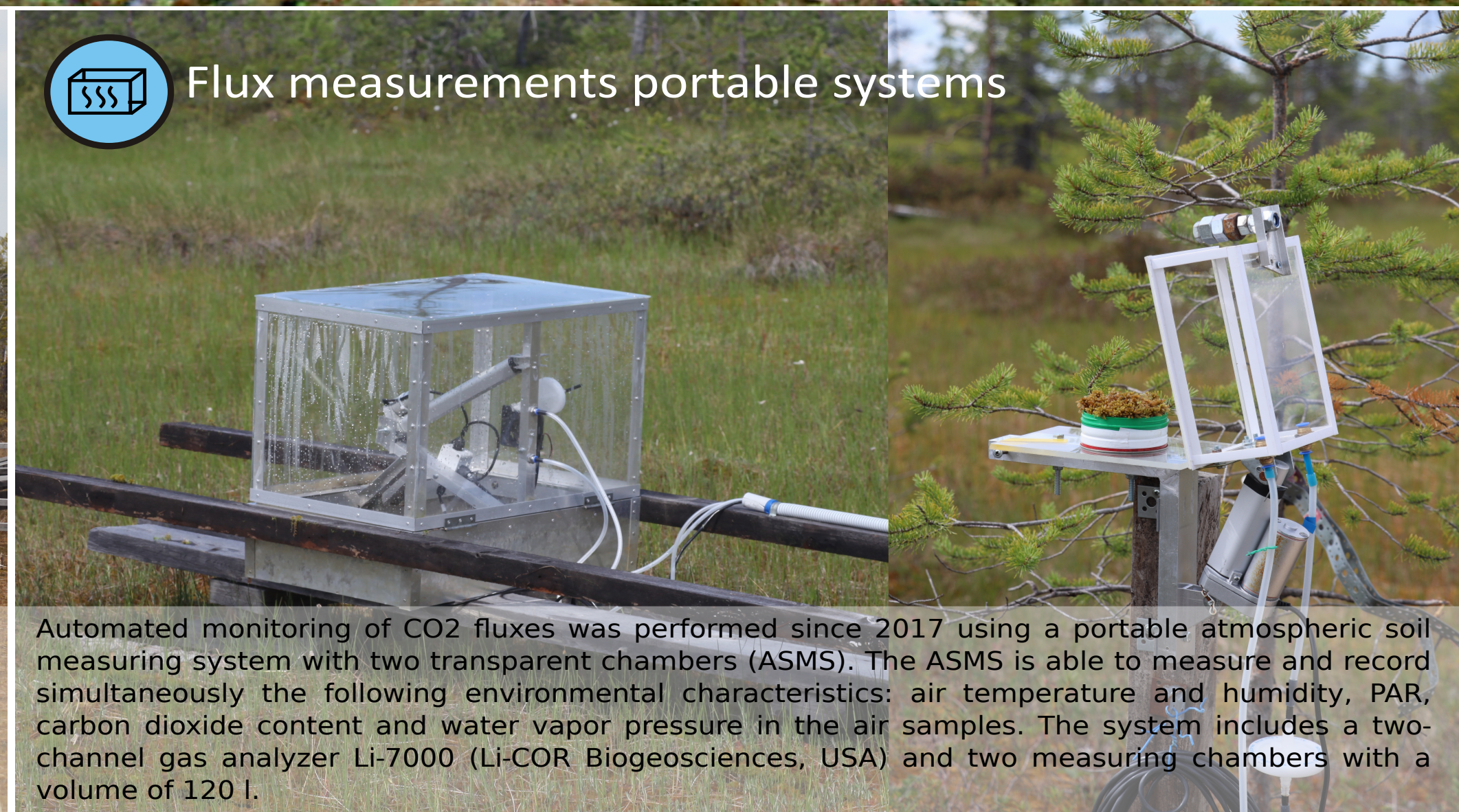
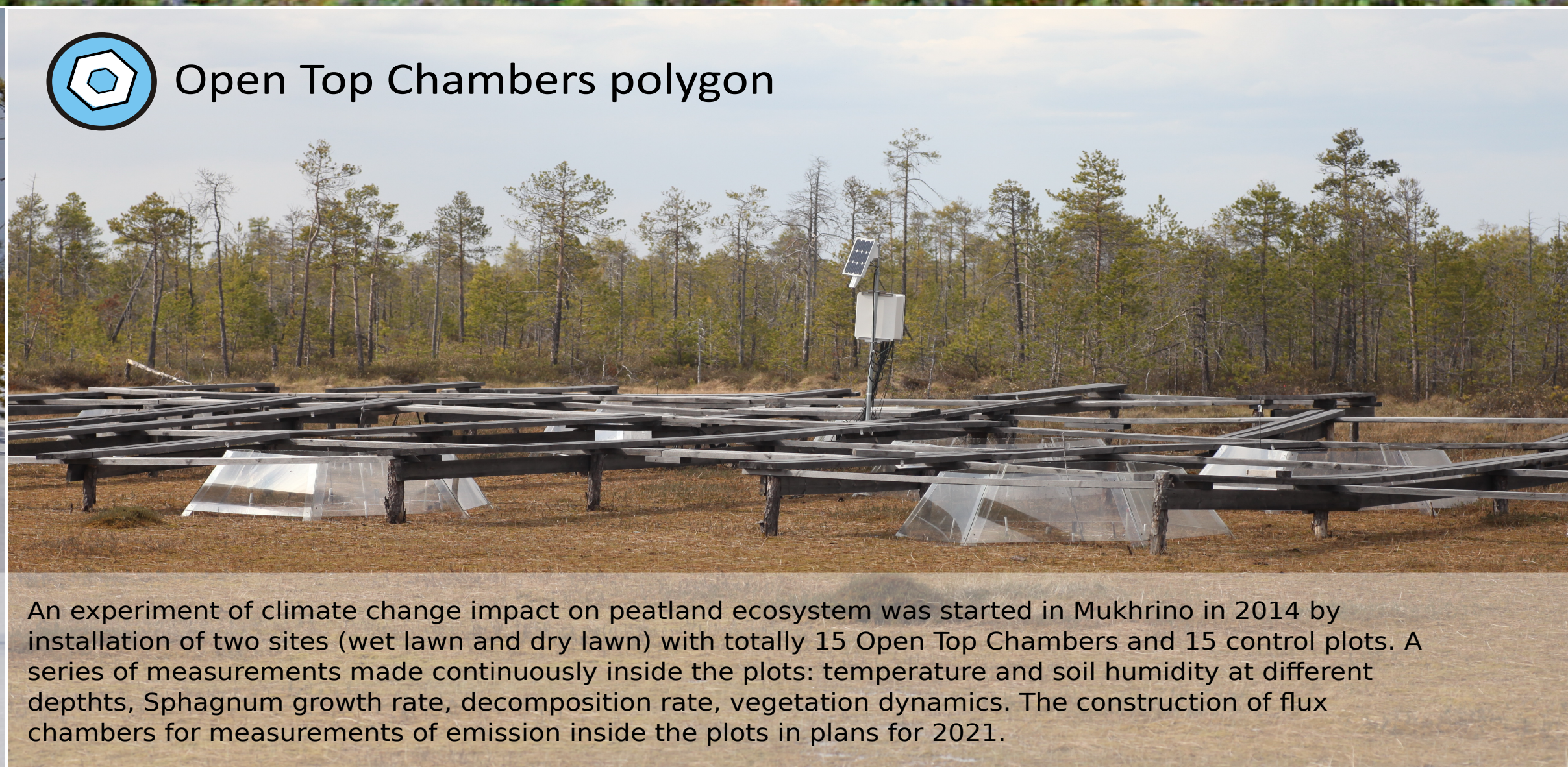
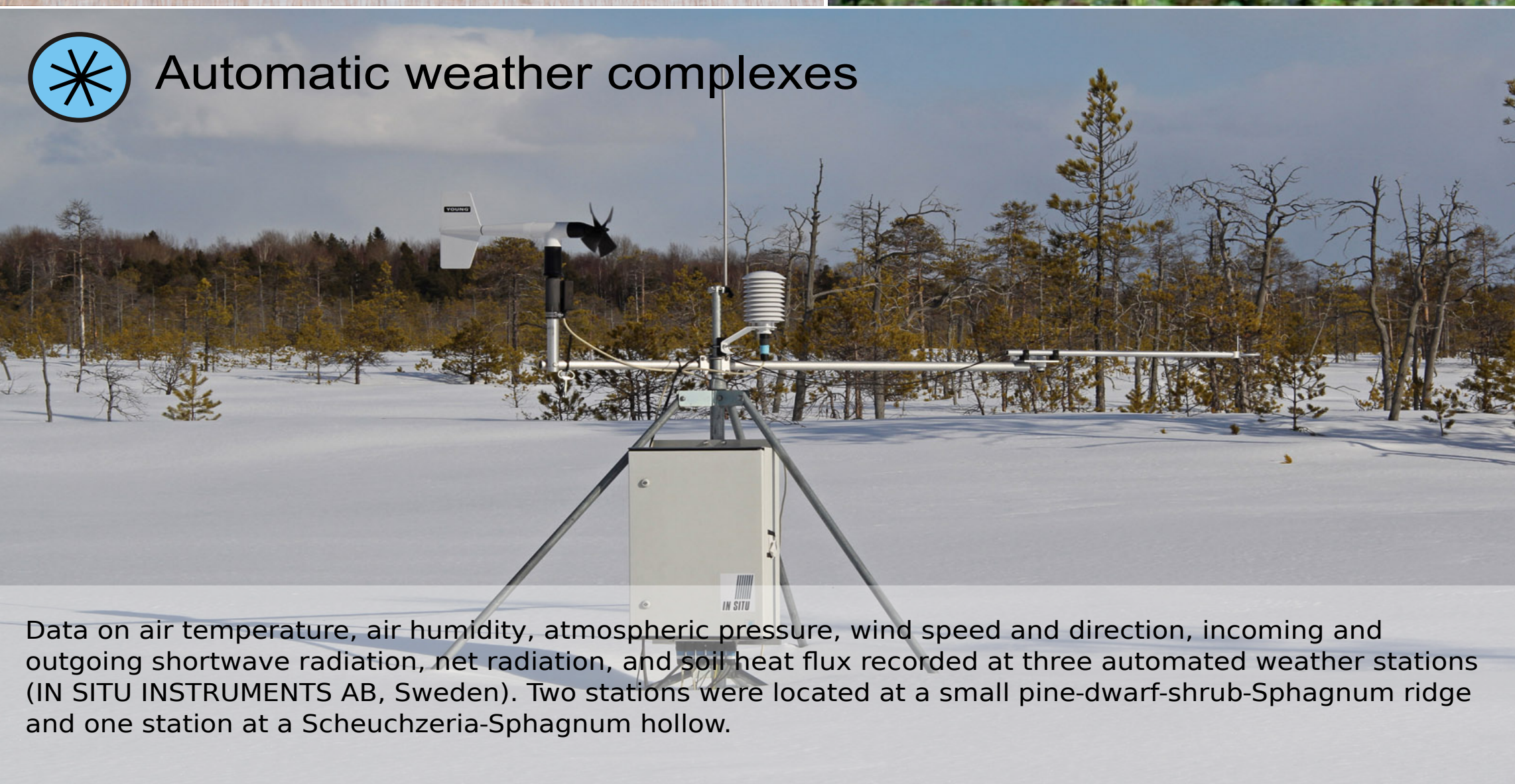
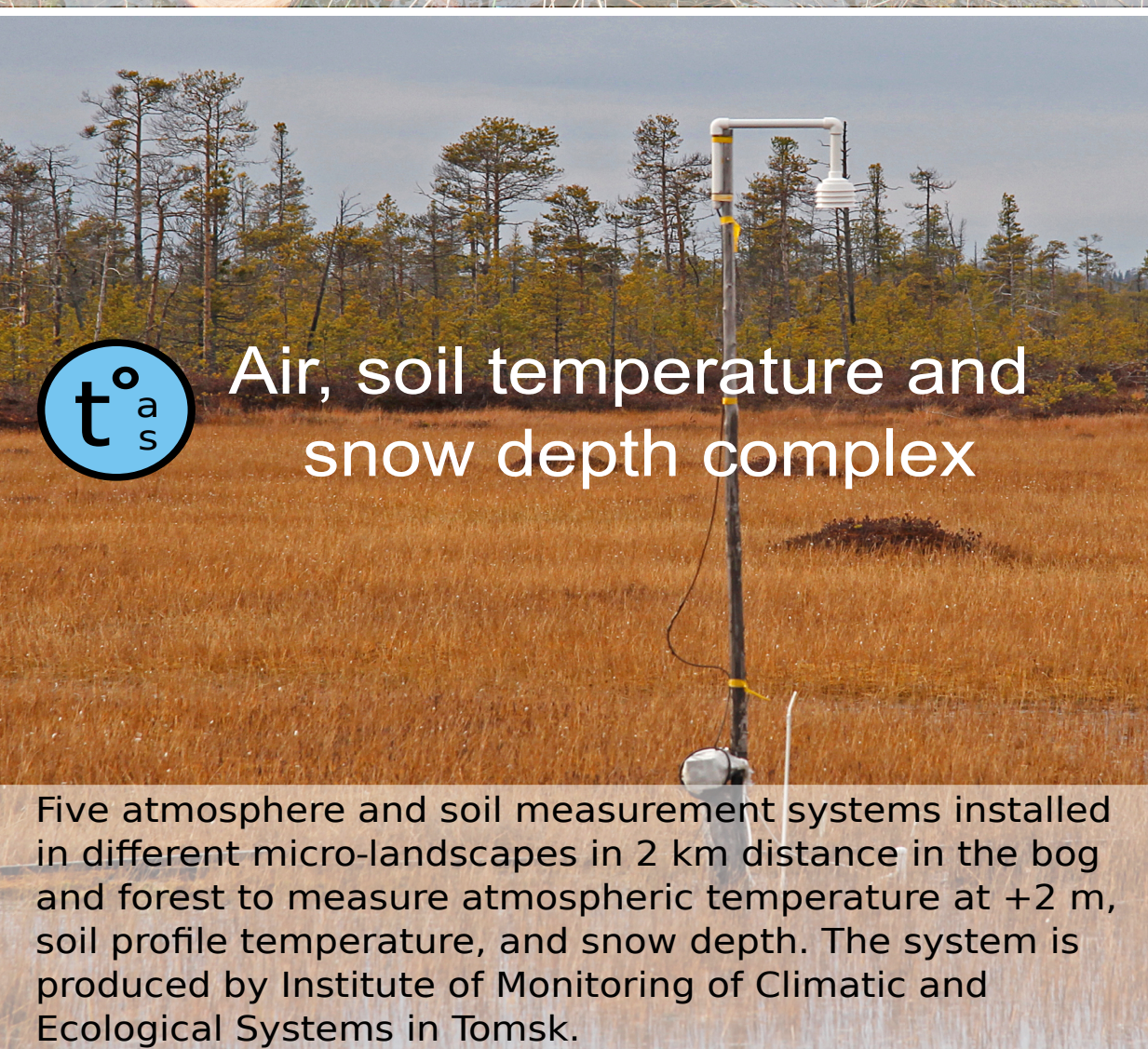
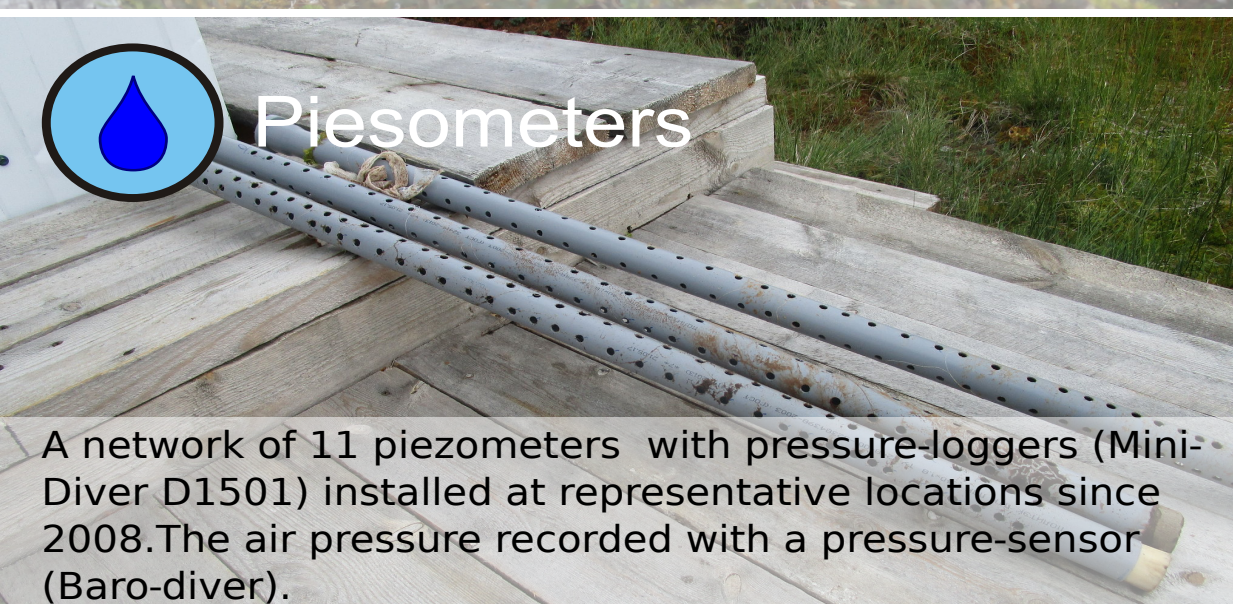




Two automatic rain gauges Hobo RG3 installed in the bog and measure summer precipitation. Winter measurements made manually by Tretyakov rain gauge (automatic winter rain gauge in plans).



Mukhrino field station research infrastructure

The research infrustructure located in Mukhrino bog and nearby forests in about 3 km radius from the house. The site is equipped with about 2 km long wooden boardwalks making non-destructive access to the research polygon. The system of alternative energy supply located in the central part of the polygon and provides energy for research equipment. The site connected to the Internet through the satellite connection, cabel and WiFi.

The research focus in Mukhrino is oriented on the impact of climate change on carbon cycle, hydrology and biodiversity. Research projects include permanent monitoring by station' staff and temporal short-term projects accomplished by station' visitors. Permanently installed equipment includes automatic weather stations, eddy covariance towers, automatic flux chambers for emissions measurements, primary production and decomposition observations, hydrological loggers and experimental climate manipulation polygon.

