

The terrestrial ICOS site NO-Hur: recent activities and future plans

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ICOS-Norway is in the process of establishing a class2 – EC site at Hurdal (: 60° 22' 18'' N, 11° 04' 46'' E, 275 masl). The site is located in an old-growth spruce forest (tree age ~95 years, canopy height ~23 m). Greenhouse gas CO₂ exchange between the ecosystem and the atmosphere and the associated meteorological variables will be monitored from a 40-m tower. At the site, long-term meteorological measurements are already available from a smaller tower in close proximity. We will present the current status of implementing the measurement system, the expected footprint around the tower, the challenges to be expected due to inhomogeneous terrain, and a detailed digital terrain model. The same instrumentation was tested at a reference site inside a young forest plantation, and we will show some first analyses of the time series obtained from this campaign.