





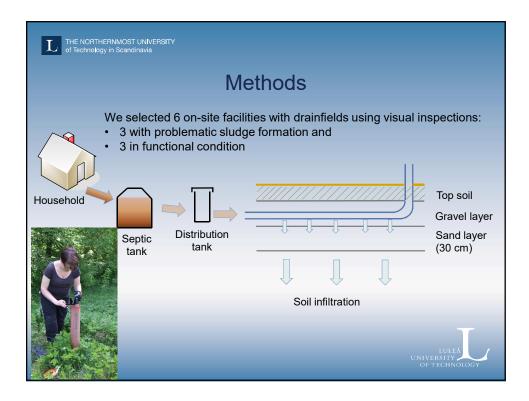


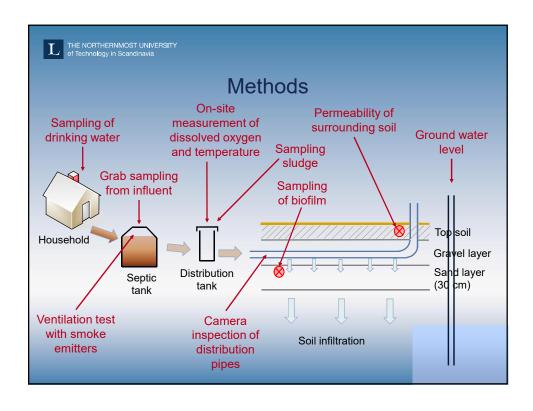


Objectives

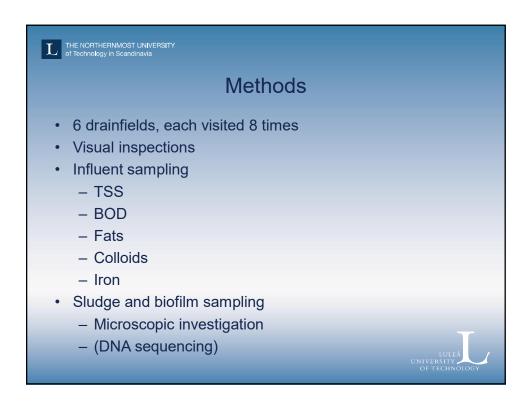
Investigate

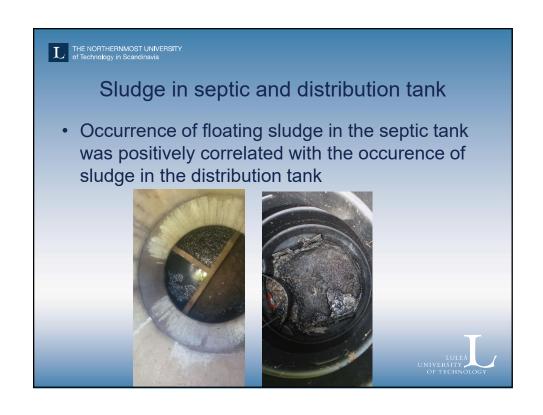
- · where in the system the sludge occurred
- if the occurrence of sludge persisted over time
- if the occurrence of sludge correlated with influent wastewater characteristics
- if signs of clogging could be noted for sludgeaffected beds
- What are the microbial communities in soakaway drainfields and do they differ between sludge-affected and functional facilities?



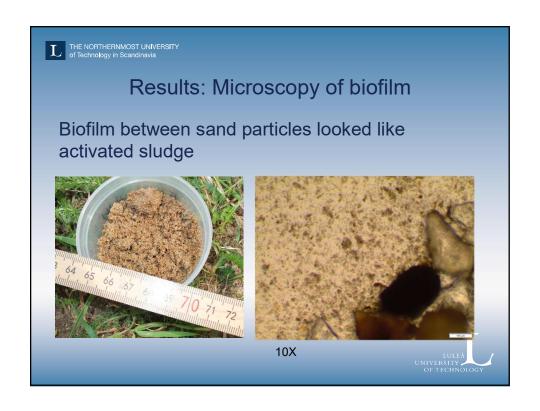


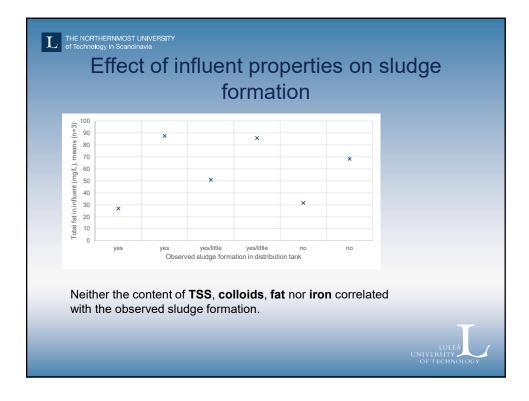














Preliminary conclusions

- Occurrence of floating sludge in the septic tank was positively correlated with the occurence of sludge in the distribution tank, sludge persisted over time
- Microscopy showed no difference in the biofilm in the sand layer of the different treatment facilities
- Content of iron, fat, TSS, colloids and BOD in the influent did not correlate with the extent of observed sludge formation



