

# Variability of the mixed layer height derived by ceilometer measurements in the Bavarian pre-Alps

**KIT-Campus Alpin** 

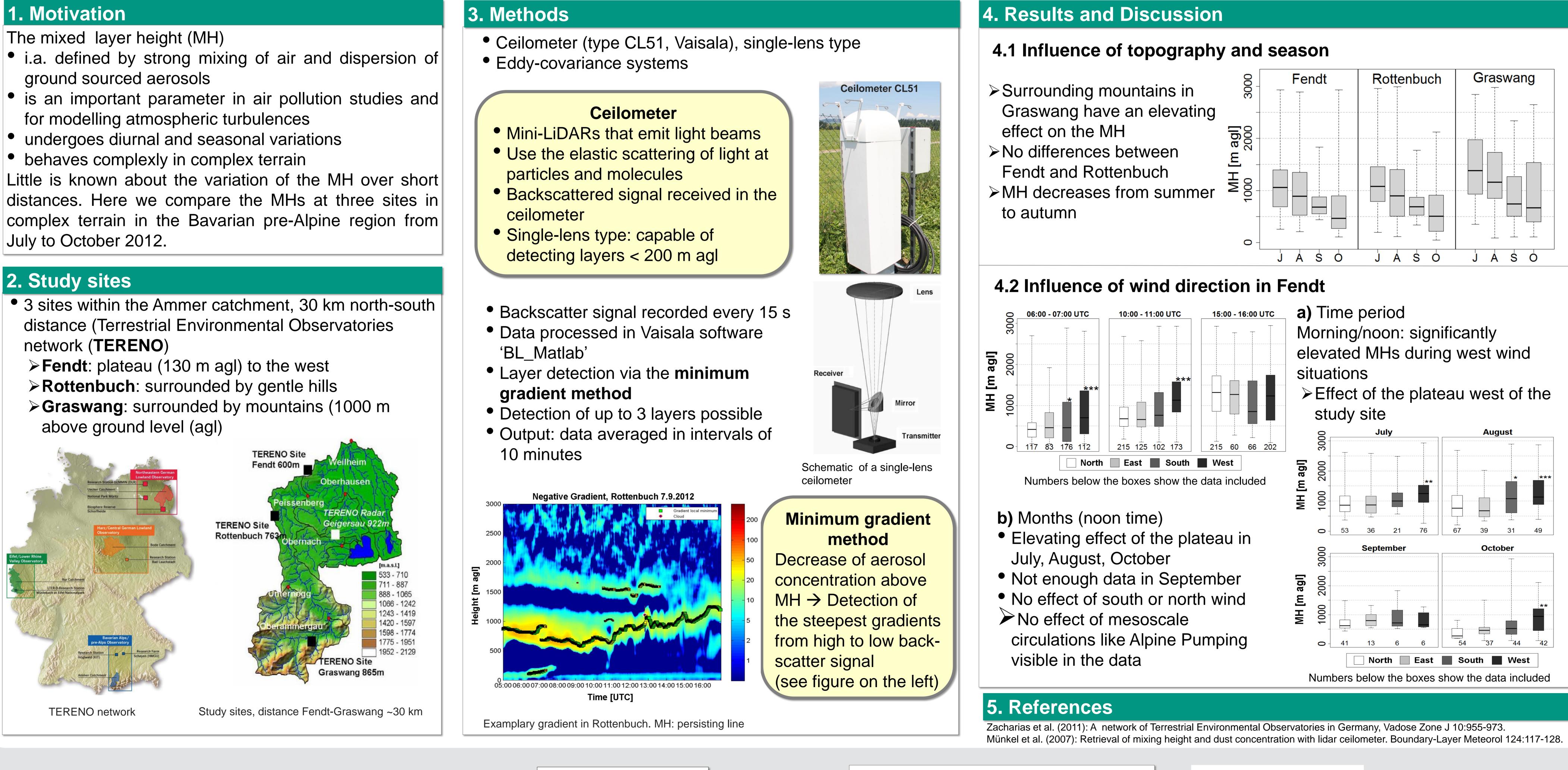
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## Abstract

**Method**: Ceilometer data + minimum gradient method

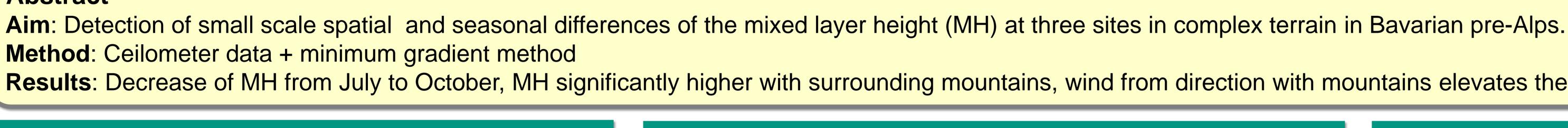
- ground sourced aerosols

network (**TERENO**)

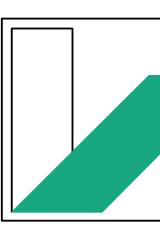


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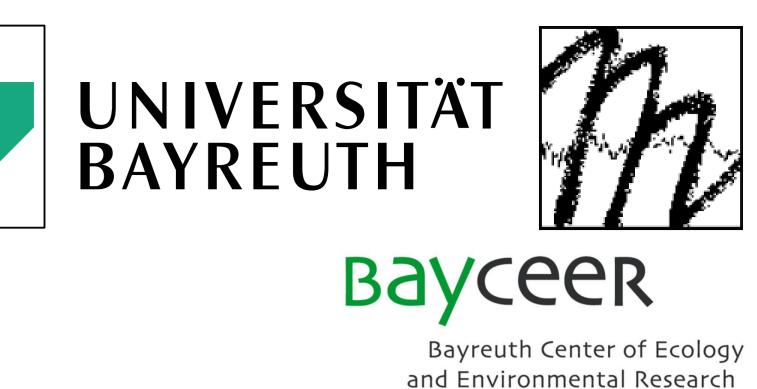
Poster Board Z 45



## Results: Decrease of MH from July to October, MH significantly higher with surrounding mountains, wind from direction with mountains elevates the MH, no influence of mesoscale circulations detected

'BL\_Matlab' was adapted to the TERENO sites by Christoph Münkel, Vaisala





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