

茨城県におけるCO₂濃度を用いた緑地評価指標の検討 Examination of the green space index by using CO₂ concentration at Ibaraki prefecture

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The objective of this study is to propose the correction method and evaluation index of CO₂ concentration data which is observed in human living sphere, Ibaraki prefecture. Since, sensor drift arise in the process of long-term continuous duty, it is important to correction process by using standard reference gas. However, sensor drift time are different in each sensor and installation location, so, it is conducted the laboratory experiment and observation data analysis to grasp the action of CO₂ sensor. The results of this study were as follows: 1) It was proposed that the correction method for observation data which is combined linear transformation. 2) It was verified of the correction effect focused on the time variation and spatial distribution of CO₂ concentration.

Keywords: CO₂ concentration, fixed point observation, living environment sphere, the green space index