

## Visualization of the land use change in the southern region of Ibaraki, Japan

# Kazuhisa Ohbi[1]

[1] Life and Environmental Sci., Univ. Tsukuba

In the southern region of Ibaraki, recent rapid land development and new town development related to the opening of the new railway have brought remarkable change in land use patterns. The purpose of this study is to visualize the direction of land use change in this region from the Meiji era to present to share the information of regional environment change. As land use data in the Meiji era, 200m grid cell data was created from old edition topographic maps at a scale of 1:50000 provided by the Geographic Survey Institute, and Geographic Information Systems (GIS) was utilized in the analysis of this study. Finally I visualized unique characteristics of the land use change in the study area.