

# Georgia Image Atlas I: Urbanization

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**Abstract:** As every corner of the world is affected by growing human population, the extent and rate of environmental changes are more dramatic than ever. To show the changes, this project aims at developing an image atlas using various community boundaries and remote sensing imagery. As the first work of its five-planned series, the increase of urban and built-up area, i.e. urbanization was mapped. Because remote sensing imagery allow us to analyze changing environment visually as well as statistically, the National Land Cover Datasets and Landsat imagery were used in this project. The final product is an about 200-page image atlas. Students, decision makers and the public may refer to this atlas to understand the urbanization of their community and to project its potential impacts to their community.

