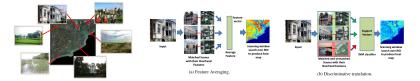
## Cross-View Image Geolocalization T.-Y. Lin, S. Belongie, and J. Hays (CVPR 2013)



- Current approach to image geolocalization problem:
  - By matching the query image to a database of georeferenced photographs
  - Only works for famous landmarks, but not for the unremarkable scenes
- Relationship between aerial view and ground-level data
- Overhead appearance and land cover survey data
  - Densely available for nearly all of the Earth
  - Rich enough for unambiguous matching
- A cross-view feature translation approach
- A new dataset with ground-level, aerial, and land cover attribute images for training
- An aerial image classifier based on ground level scene matches
- Output of a query: a probability density over the region of interest
- Experiments over a 1600 km<sup>2</sup> region containing a variety of scenes and land cover types