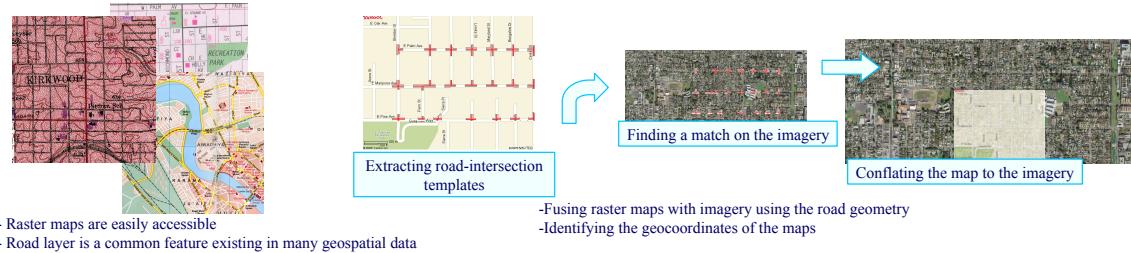




Strabo: A System of Harvesting Geographic Features from Raster Maps

Yao-Yi Chiang and Craig A. Knoblock

Exploiting Geospatial Information in Raster Maps

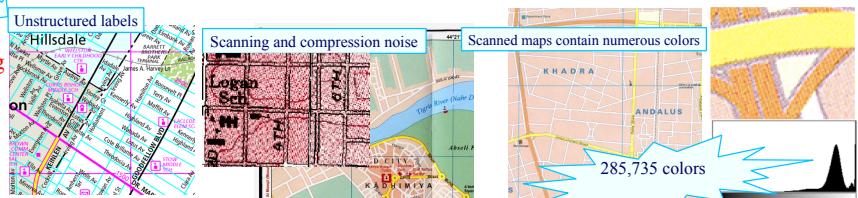


Challenges:

Maps are complex: overlapping features and unstructured text

Poor image quality

Lack of metadata

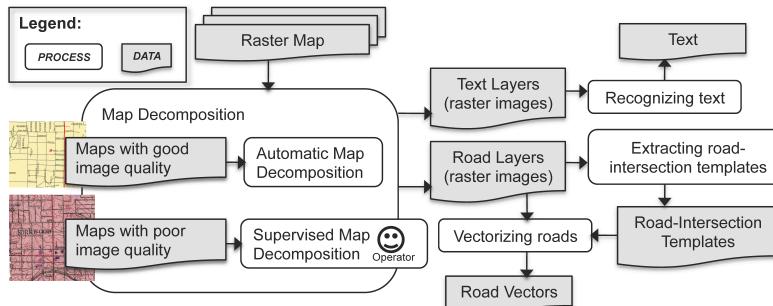


Overall Approach of Strabo

- We developed a general approach to exploit the information in heterogeneous raster maps

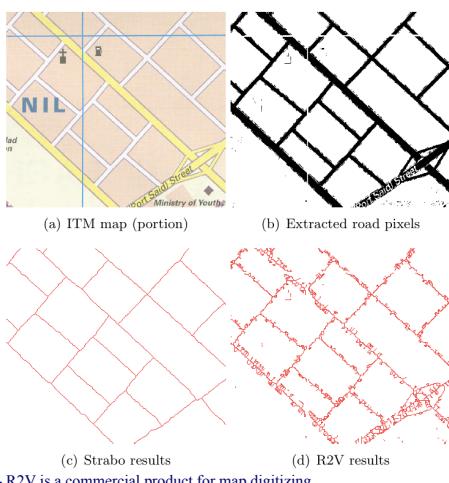
-We built Strabo, which

- decomposes the maps into raster layers of geographic features,
- recognizes features in the layers,
- aligns the raster maps, extracted layers, and recognized features to other geospatial data



Examples of Extracted Data

Road Vectorization



Road-Intersection Extraction

