

# Survey by the Urban Geography Group



Photo 1



Photo 2

The Urban Geography Group visited the five overseas cities covered by the project to collect maps and documents. In Jakarta we visited BAKOSURTANAL (National Coordination Agency for Survey and Mapping) and purchased a topographical map (Photo 1).

In the cities covered by the survey we toured locations related to the water environment and when necessary implemented an interview survey. In Bangkok we walked through the villages along the banks of the Chao Phraya River and conducted interviews about the water use by residents in the local area (Photo 2).



写真3



写真4

In order to understand the changes in groundwater use by each city, we searched for old villages, temples, farmhouses, etc. to conduct surveys on how shallow wells, the most accessible water source before modern tap water facilities were built, are used. Photo 3 shows the time that we visited a well in a farmhouse in Taipei. For all of the seven cities covered by the research we collected national topographic maps for three times: the 1920s-1930s; the 1960s-1970s; and the 2000s, and created land use data based on those maps. Specifically, we used scanners to convert the collected maps into image data, overlapped with the 1/2 subdivided empty mesh data, deciphered the most prominent land use inside each mesh from the maps, and input it as attribute data (Photo 4).