

Safety Inspection of The Area

Utilizing "Kiki-Gaki Map"

What is “Kiki-Gaki Map” ?

"Kiki-Gaki Map" is a tool which can record and confirm the information about regional safety. It was developed by National Research Institute of Police Science. In the past workshops using Kawakita-Jiro method, there are three problems; 1)Time-consuming, 2)Difficulty of save and reuse of information, 3)Less objectivity and little scientific basis of the outcome. Therefore, we developed tools for to reduce the work burden and take advantage for the time to the study of the discussions and environment improvement initiatives in workshop. In this poster, we report about our trial workshop using "Kiki-Gaki Map" at Chichibu in 2014 and 2015. Through the comparison with both workshops, we show our findings and utilization methods of the map for more general use.

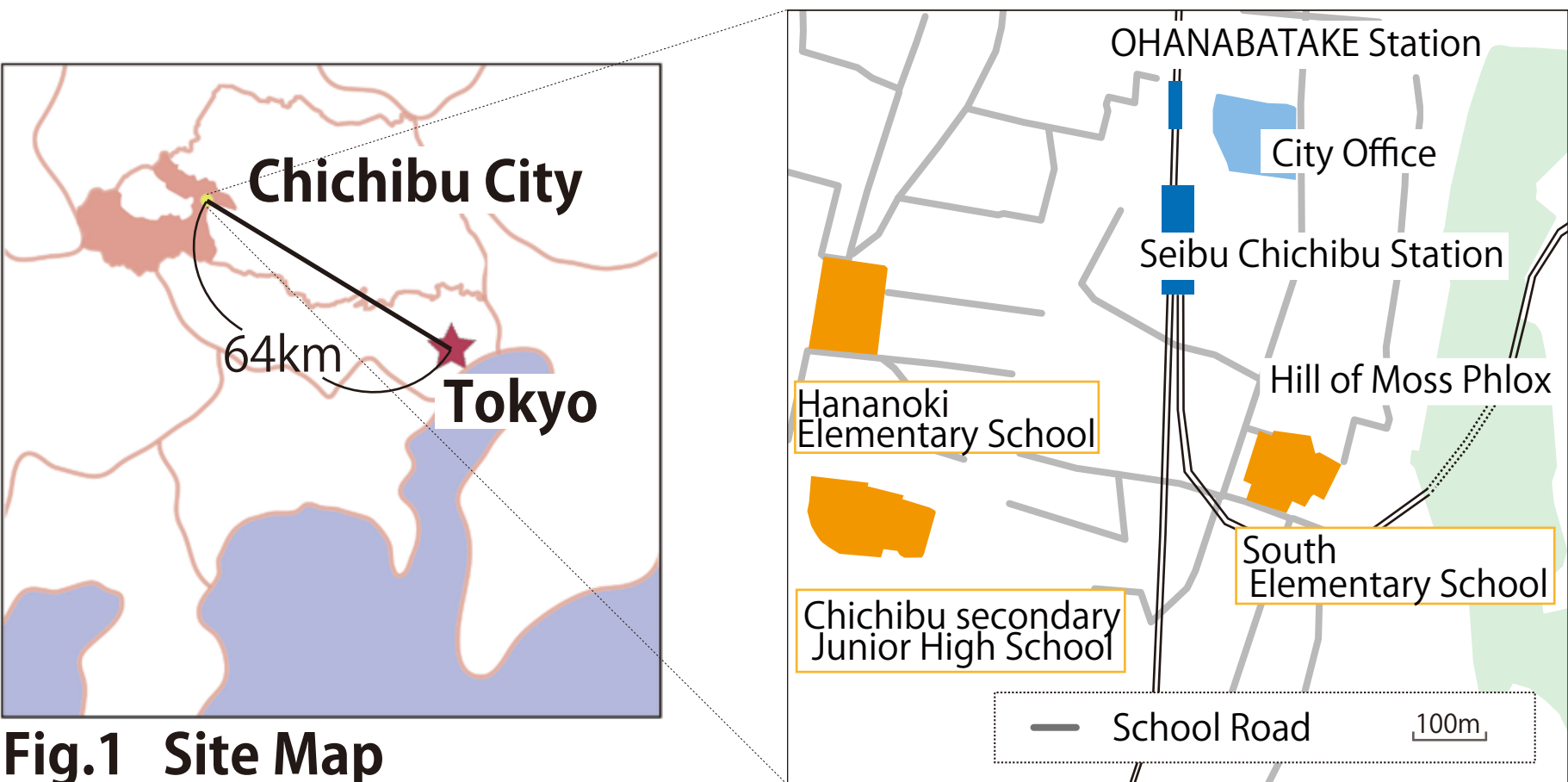


Fig.1 Site Map

Chichibu City
Chichibu-City acquired the certification of SC on 15/11/2015.
Area:577.83 km²
Population:63,477 people
Households:24,103 families

Flow of Implementation

In workshop carried out at the surrounding area of Chichibu City(Fig.1) Hall of May 23, 2015. The digital camera, IC recorder, and GPS receiver were used in this workshop(Fig.4). 14 people participated from three of elementary and junior high schools aimed at ISS certification. They were students, parents, teachers, local residents, and city officials and were divided into three groups. First of all, they made a map from the result of a field survey and answered a questionnaire.



Fig.2 Photos of a state of survey



Fig.3 Photos of a state of workshop

The only three Items needed!!

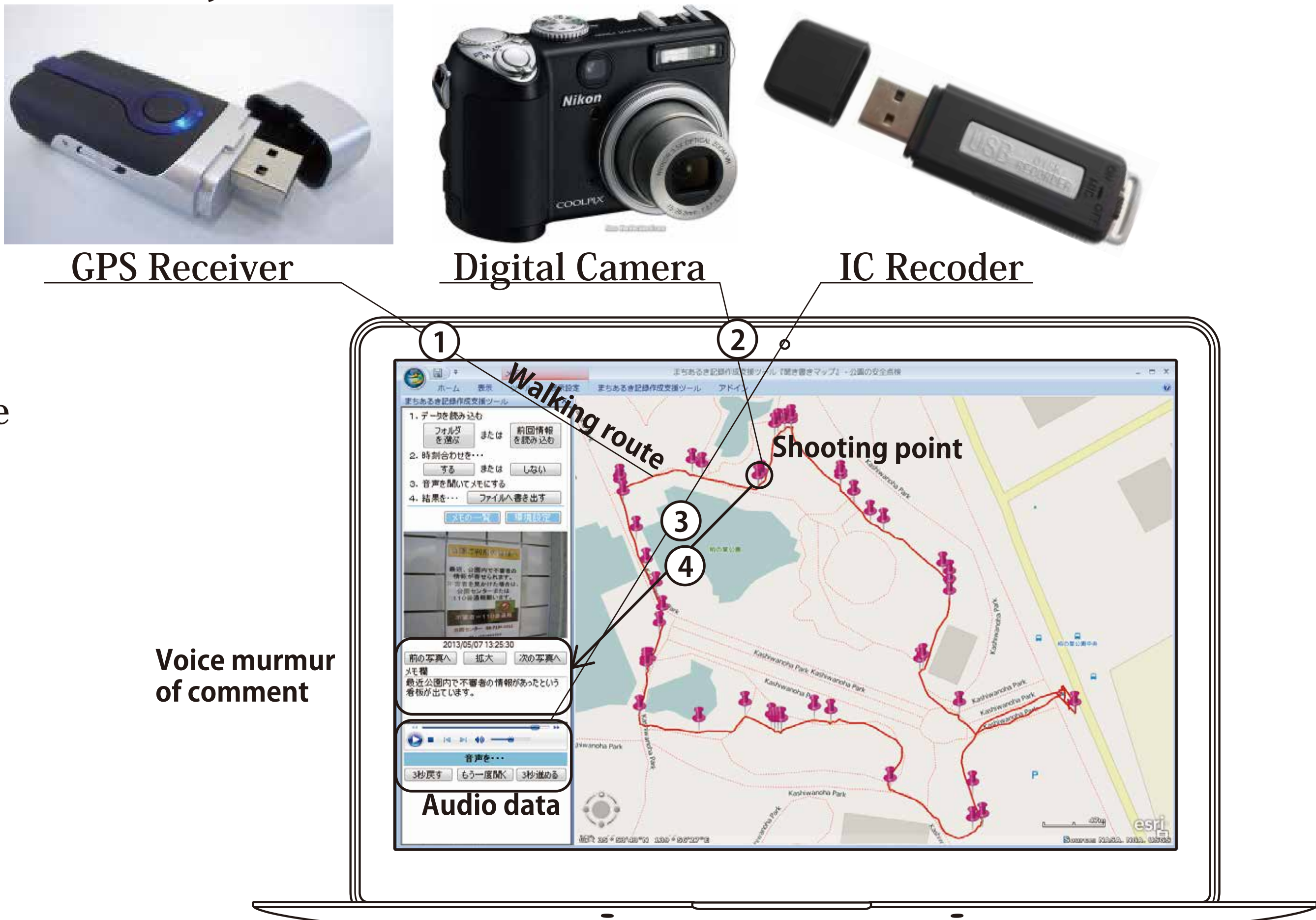


Fig.4 about of “Kiki-Gaki Map” of tool and Working Screen

“Kiki-Gaki Map” of Work Flow

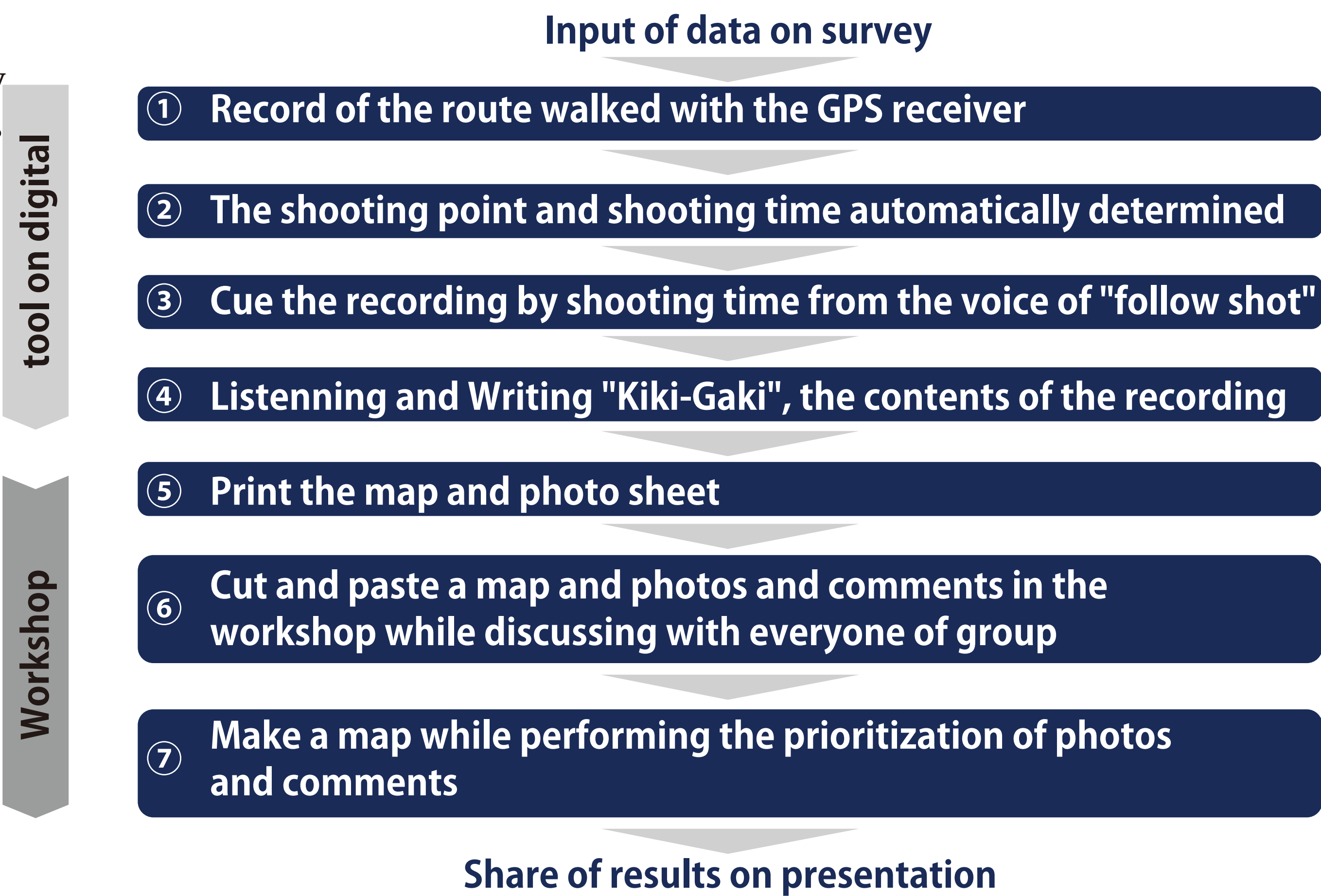


Fig.5 “Kiki-Gaki Map” of Work Flow

Achievement and Challenges

This map(Fig.6) was drawn by walking , with 20 -30 photos and comments by GPS. Participants made an safety improvement program while discussion. Even if they are digitally skillful, could be engaged in a map-making and discussion process. From the result of questionnaire the method was proved be useful



Fig.7 Photos and comments of the selection process on Workshop



Fig.8 Sheet written photos and comments

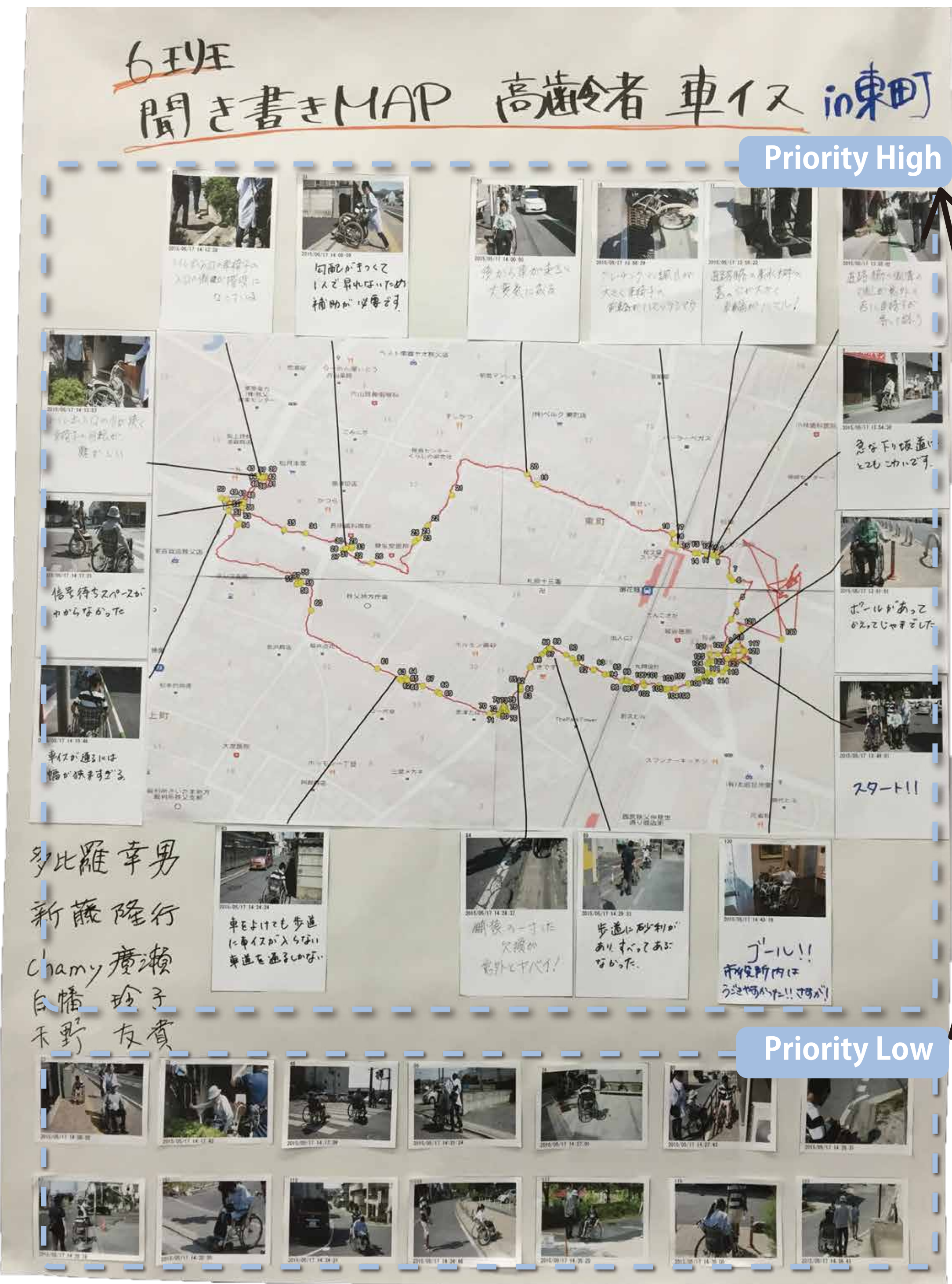


Fig.6 “Outcome made “Kiki-Gaki Map”

Future Activities

"Kiki-Gaki Map" using tools such as IC recorder and GPS receiver and a digital camera was proved to be useful for children, elderlies, and wheelchair users through the workshop in Chichibu. Moreover, they could reduce their work burden and develop an safety improvement program in a short time. "Kiki-Gaki Map" and safety improvement program shoule be done based on PDCA cycle in the future.