

Introduction of a new field observation data sharing system for schoolteachers

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<http://eye.edu.ibaraki.ac.jp/portaldb/>

1. Introduction

We have recently developed a field observation data sharing system for schoolteachers, which uses a Web site and mobile terminals. In this system, schoolteachers themselves enter information of spots suitable for field observation, and they share the information among teachers and other people. This report explains the outline of the system and the effects expected.

2. Outline of the system

Main features of the system are the following:

- 1) Users can obtain information such as position, explanations, and references of each spot from the Web site.
- 2) Users can reach each spot with the aid of mobile terminals using GPS function, and can easily obtain information mentioned above in the fields.
- 3) Local schoolteachers themselves can enter the information of spots in their own school districts at any time.

At the Web site, users can retrieve information by means of subjects (nature, history and culture), map location, and school districts. Mobile terminals let users know where they are and where the spots are. Therefore, they can easily reach spots. They can also see related information on mobile terminals in the fields.

3. Effects of the system

This system enables to share unique information accumulated by each teacher among other teachers. With the aid of this system, even new teachers can know about spots worth visiting in their own school districts. In this way, this system facilitates field observation and also planning of field excursion in various subjects.

References

Ito, T et al. (2006) A field observation supporting system for schoolteachers using mobile terminals and a related web site, *Educ. Earth Sci.* 59(4), 131-136.

URL of the field observation data sharing system

<http://eye.edu.ibaraki.ac.jp/portaldb/>