

**A003-019**

**Room: 301A**

**Time: May 17 15:30-15:42**

## **The Courses on Satellite Image Analysis at Junior High and High Schools in Collaboration with JAXA**

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This report introduces our activity of the courses on satellite image analysis at junior high and high schools. Japan Aerospace Exploration Agency (JAXA) collaborated closely with the schools and designed the curriculums for classes. The students learned about the global environment and satellite remote sensing and were trained in basic techniques of satellite image analysis using PC and common graphic editing tool. After the classes, they proactively continued their study utilizing satellite images covering their school and its surroundings. The images were acquired by the Advanced Land Observing Satellite (ALOS) and provided by JAXA. Here is the examples of students' original research themes; "interannual changes of paddy area around the school", "double-cropping area detection using multi-temporal images" and "distribution of waterweed outbreak in the lake". We concluded that our curriculums on the satellite image analysis were effective for the students to develop independence and understand regional society and global environment. In this talk, we also discuss issues and future possibilities of our activity.