

Ministry of the Environment FY 2009 Project to Develop Higher Education
Environmental Leadership
Iwate University : Program for Developing
 π -type Environmental Leadership by ISO14001
and Industry-University-Government-Citizen Collaboration

Program Outline

This project is designed to develop programs for nurturing environmental leadership who have practical environmental competency by ISO14001 and industry-university-government-citizen collaboration.

Iwate University is working on the development of “T-type Human Resources,” who are highly educated, have professional expertise and contribute to the creation of a sustainable society (Project “Galaxy of Learning”).

Based on the Project “Galaxy of Learning” , this program will (1) enhance the quality of general education courses (development of courses and teaching materials), (2) develop the campus audit courses on ISO14001 and (3) help local small-and-mid-sized businesses compile their environment report through collaboration among industry, university, government and citizen. Through these approaches we will develop π -type environmental leadership with enhanced basic environment competency (horizontal axis) and each student’s faculty specialty (vertical axis), plus practical environmental competency relevant to environment management (another vertical axis.)

We will also promote internship and volunteer activities that help green the local community by collaborating with the Iwate Higher Education Consortium, the Iwate ESD Round Table Meeting for Education and the CSR/Environmental Leadership Development Association.

Students who completed the program above will be qualified as Certified Environmental Management Specialist by Iwate University.

Outcome of Program Development

① Enhance the quality of general education courses : We selected eleven ESD subjects and developed teaching materials for environmental education subjects, “Forest as Global Environment” and “Animals and Environment.” ② Development of subjects on ISO14001 : We started one of the ISO14001 subjects, “Environmental Management on Iwate University.” We also prepared “Practical Environmental Management” as another ISO14001 subjects. ③ Industry-university-government-citizen collaboration : We began preparations for starting “Practical Environmental Management Seminar,” which is designed to help local smaller businesses compile their environmental report.

Outcome of Program Trial

We conducted the internal audit of EMS in Iwate University. Students will be involved in the internal audit as part of the “Practical Environmental Management” subject, which will start next fiscal year. The experience of the campus auditing in fiscal 2009 was reflected in the lecture plan. As part of the preparation to start “Practical Environmental Management Seminar” we conducted a survey on the environment report of small-and-mid-sized businesses in Iwate and released the result on the website and in a forum. The survey showed that over 70 percent of local smaller businesses were interested in compiling their environment report with the assistance by students.