

Environmental Problem of 21st Century on Engineering Geology

Hiroyuki Ohno[1]

[1] Civil Eng., Nagasaki Univ.

The environment of the earth has always been changing for 45.6 hundred million years. Then, there is a possibility that the human race cannot live in the case that the environment on the earth change rapidly. We want to avoid an artificial environmental change, so we are working on the environmental problems. Such environmental problems are the same as food and energy problem.

Geological engineers have made efforts to the making technology and the disaster prevention, but it had not made efforts to the environmental problem. Considering the earth history, the author discusses the character of engineering geology. As the results, the geological engineers must have several professional skill, and have correct engineer ethics. In addition, we must examine the problem at near-field to far-field, and at short-term to long-term. That is, the geological engineer has to become the human who have sense of four-dimension. Then, we should make the education system and quality control system. Finally, onto the most important, we need to also train on the job.