

Contribution of earth sciences to the geological disposal in Japan

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The concept of the geological disposal was established on technical basis in 1970's. In 90's, it was internationally recognized that the methodology of safety assessment is sufficiently reliable. Recently, the concept was reviewed from the point of view of environment and ethics.

It is pointed out that consideration should be paid on earthquake and tectonics in the geological disposal in Japan. Hence, it is important to understand the effects by the phenomena to geological environment. In order to show stability of geological environment, studies are useful on the field evidences of the past geological events which has been preserved in geological beds and geographical features in Japan.