Resistivity Measurement for CO2 Monitoring

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For CO_2 geological storage, monitoring the CO_2 injected to the reservoir will be very important when thinking of the safety aspect. Appraising the storage quantity from the monitoring data can show that CO_2 is securely and safely stored in the reservoir. Monitoring of CO_2 is conducted by using some technique as seismic tomography, but by using elastic waves, there is a limit to show the storage quantity. In this study, in order to supply the limit of the storage quantitative appraisal using the elastic wave, we consider the possibility of using resistivity measurement for storage quantitative appraisal.