

SCG084-P05

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Development of Information Synthesis and Interpretation System (7) Expert system for hydrochemical investigation

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Expert system for hydrochemical investigations were developed based on knowledge from scientific studies at Mizunami and Horonobe URL. The knowledge on hydrochemical investigation are classified into 1) how to construct the conceptual model during literature survey, 2) planning method on hydrochemical investigation, 3) know-how on hydrochemical investigation, 4) data analysis and modelling, 5) estimation of long-term hydrochemical change.

Keywords: Geological isolation, Knowledge management, Hydrochemical investigation, Expert system