

Long-term prediction of geological environment after the period of a hundred of thousands of years and examples of time-frame

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Long-term prediction of geological environment has been discussed as being a hundred of thousand of years based on a governmental document. Framework construction and discussion of longer-term prediction can be feasible based on a consideration of how to deal with a time-frame in a safety assessment. It is necessary to be based not on the accumulation of precise information, but on the state of the art and the understanding of its uncertainty. It is feasible to reflect such evidence to the future prediction by grasping the evidences of past volcanic activity, fault movement and uplift & erosion according to the uncertainty of them. As a result, five hundreds of thousands of years and five millions of years are preliminarily presented as time-frames after a hundred of thousands of years.