

Subsurface Structure Model around Northern Kyusyu Area

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We are making subsurface structure model of the whole Japan, for aim at being highly precise estimation of a strong ground motion prediction. As the part, we made a subsurface structure model of Northern Kyushu Area. In this area, we can use terrestrial heat survey data, coal survey data and oil resources survey data, for model making. But they are not enough to make a subsurface structure model under sedimentation basin, so we made a model using mainly geological informations.

Northern Kyusyu Area is classified in three zone, Sangun belt, Nagasaki belt and Ryoke belt. Furthermore, taking widenesses and features of sedimentary basin into consideration, we classified this area into four areas and geological structure models were made. The procedure are carried out as follows; 1) to collect and rearrange of the survey data, 2) to reconstruct of geological information, 3) to make a model and check. Detailed examination is a future problem.