# Modeling subsurface structure for seismic Hazard Map in Tonami and Toyama plains

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In order successfully to estimate earthquake ground motion, it is very important to make subsurface ground model based on such information as expected active faults, the path transmitted from seismic source to objective region and subsurface ground structure around objective region.

Recently a calculation of seismic potential by 3-dimentional finite-differential method is used to estimate earthquake ground motion, and then more precise ground model large region is required to make. In this paper, the process to make the subsurface ground models in Toyama district is presented firstly mainly using geophysical prospecting data such as seismic reflection method. P-wave velocity structural profiles are made and in the area with a few data of them. Additional information relating to geological information is used. Because of limitation of data on ground condition, the model presented here is expected to make further improvement under additional new data from the geophysical prospecting method.

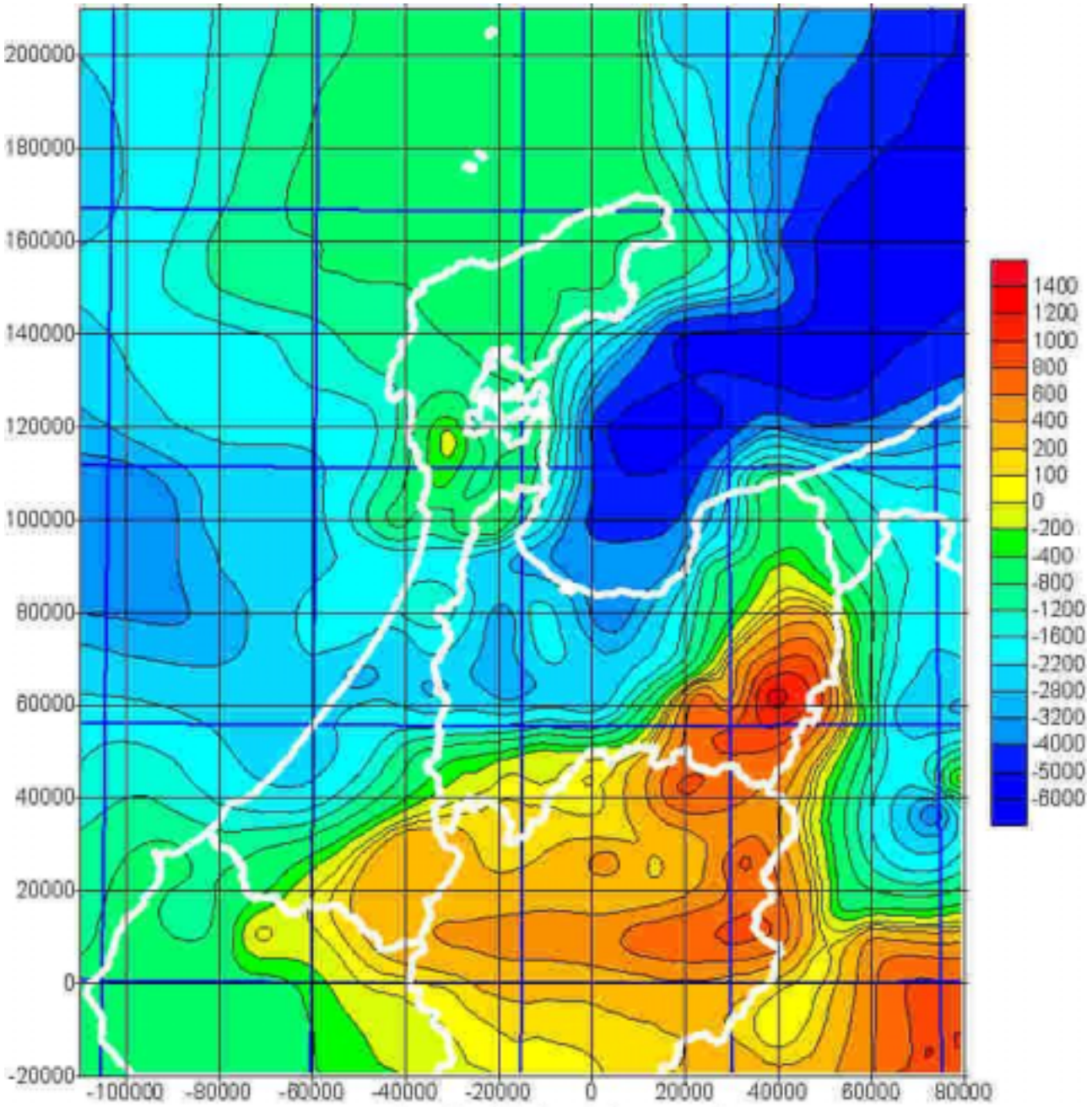


図1　地震基盤上面標高のコンター図