

Analog model of basement structure below the Nobi Plain

TAKAHASHI, Masaki^{1*} ; HORIKAWA, Haruo¹

¹National Institute of Advanced Industrial Science and Technology

It is commonly discussed the difficulties on promoting the geologic results for the students as well as citizens. To solve this problem, I made three-dimensional analog model of basement structure below the Nobi Plain. The horizontal scale of model is 1/200,000 but vertical scale is emphasized as 400%. Because the model was painted by gradations in color from yellow (Shallow) to dark blue (deep), it can be easily recognized the contrast between subsurface steep precipice and gentle slope of basement structure. Among them, some active faults are characterized by sharp drop of basement depth below the Nobi Plain. Thus the analog model of basement structure below sedimentary basin would be helpful to understand why long-period ground motion is amplified in the sedimentary plain.

Keywords: outreach, earth science, geology, educational promotion