

## Analog model of the Alluvium incised-valley topography under the Nakagawa Lowland, central Japan

\*Masaki Takahashi<sup>1</sup>, Susumu Tanabe<sup>1</sup>

1. Institute of Geology and Geoinformation, 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, we made three-dimensional analog model of basement structure below the Nakagawa Lowland. The horizontal scale of model is 1/50,000 and vertical scale is emphasized as 1/1,000. The model was painted by gradations in color from yellow (Shallow) to dark blue (deep), so that it can be easily recognized the contrast between subsurface steep precipice and gentle slope of basement structure. Among them, the Ayasegawa Active Fault is characterized by sharp drop of basement depth below the Kanto Plain. Thus the analog model of basement structure below the Nakagawa Lowland would be helpful to understand why short-period ground motion is amplified in such incised-valley.

Keywords: outreach, geology, educational promotion