

A Digital Expression of Topographical Map More Effective Use for Characteristics of Detailed DEM data sets – ELSAMAP -

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In recent years, the geomorphologic measurement by airplane loading type laser increased and came. It created by airplane laser measurement detailed DEM is less than 1m lattice point data, and terrestrial spatial resolution boils it markedly and has been improving. The thing which did not appear until now came to appear by this, and the degree of position exact has also improved. By taking these in to GIS, it became possible to share geographical feature information not only with an engineer or an administrator but with a general citizen, and it also became possible to apply to the deployment to disaster prevention, decreasing hazards, and a hazard map etc. On the other hand, research of various geographical feature expressions is also progressing. With the combination of the amount of inclinations, and altitude, the ELSAMAP introduced here can show the dangerous place of a slope etc. more intelligibly.