Database of Standard Structure Model for JAPAN

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Compiling 3D structure model (1000m mesh) for the strong ground motion studies in north-eastern and south-western Japan and seismic refraction/reflection surveys in Japan. We developed 0th standard structure model for Japan Islands. This model includes the upper/lower boundary (Conrad), the crust/mantle boundary (Moho) , Plate boundaries (Pacific plate and Philippine see plate), P-velocity, S-velocity, density and attenuation of earth's structure.

These are simply shown as parameters of latitude and longitude and depth. So, we can use for various researches such as seismic wave propagation study, 3D-tomography problem, travel-time analysis and mapping by receiver function etc.

As we are developing such structure models as web application (=database), they will be widely used for the community of seismology.