

Release of Virtual Shizuoka Dataset



Situation (background, aims, etc.)

Shizuoka Prefecture is advancing the Virtual Shizuoka initiative to establish a virtual representation of the prefecture. It aims to utilize point cloud data collected through surveys of the physical environment using laser scanners and other technology as fundamental data for producing a digital twin. This digital twin will be applied to various purposes, including disaster risk reduction, urban planning, autonomous driving, and tourism.

Details (project outline, etc.)

The data for latitude, longitude and elevation coordinates of the ground surface, trees, buildings, and underwater areas of coastlines acquired by airborne laser profilers, airborne laser bathymetry, and mobile mapping systems are available for public use under the Creative Commons (CC-BY 4.0).

Results (features and innovations, future developments, etc.)

The availability of point cloud data as a publicly accessible dataset holds the potential to generate new cultures and values.

Designing a new virtual town in VR is expected to foster a personal investment in designing inclusive and livable communities for all, not just as an abstract concept but as a personal experience.
