

Airborne LiDAR bathymetry survey in Japanese Pacific coast in 2013

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In 2013, Airborne lidar bathymetry survey in Japanese Pacific coast was planned and partially conducted at several selected-sites.

The objective of this survey is to acquire detailed bathymetry data in Japanese Pacific coast which are important for Tsunami simulation as well as monitoring of coastal environment and ecosystem heavily damaged by the Great East Japan Earthquake occurred in March 2011.

An airborne lidar bathymetry system, Fugro LADS Mk. III, was brought to Japan for the first time in October 2012. Data acquisition flights over several coastal areas in Hokkaido, Tohoku, Mie, and Tokushima were conducted in November and December, 2012, and remaining areas in Tohoku and Izu were conducted in September and October, 2013. Obtained data are currently being calibrated and evaluated.

In this presentation, the outline of the survey including instrument specifications, mapping areas, and the survey schedule as well as lidar data acquired will be presented.

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