Eighth GEBCO Science – presentation abstract

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Oral presentation title: Application of Airborne Laser Mapping System for the Measurement of Rocks which Do Not Cover and Rocks which Cover and Uncover

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Abstract

The Korean coast is characterized by geographic features such as rocks which do not cover and rocks which cover and uncover that are formed in ria coast by differences in intensive ebb and high tide. This feature is especially present in the western coast, where during high tides rocks are completely submerged under the sea level causing frequent rock-stranding incidents for operating vessels.

The usual research method to measure maximum height of these rocks around the coastline is the measurement by direct approach to the rocks while using RTK-GPS etc. However in researches concerning large coastal waters, this method has its limits, as it requires time and is dangerous for people to directly reach the rocks.

This paper examines cases of airborne laser mapping system for the measurement of rocks which do not cover and rocks which cover and uncover and proposes a plan in order to apply this method to survey all the domestic shore.