LITTO3D: a 3D seamless representation of French coastal areas

Hervé Pichon, IGN France International, Rue du Sentier, Paris, France

The French national program Litto3D® was launched in April 2003 as a need for a better management of coastal areas. It remains the first data setcoming from the collaboration of the French National Mapping Agency (IGN) and the Hydrographic and Oceanographic Service of the French Navy (SHOM). Litto3D®is an seamless altimetric digital elevation model of French coastal foreshore. Litto3D® builds upon both bathymetric and topographic lidar surveys completed by water depths measurements using multi-beam sounder. From this results an accurate knowledge of the French whole coastal areas (homeland andultra-peripherals: Guadeloupe, Martinique, Réunion, Guyane, Mayotte and Saint-Pierre-et-Miquelon). To the ends, Litto3D® shall cover ca.45000 sq.km.

Ključne riječi: Litto3D®, shoreline, intertidal zone, mapping, airborne laser, DTM, coastline

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