Fining the Location Alternatives for Environmental Impact Assessment for New Bridge Construction Project Using Sentinel Data

Tin Aung Moe (1),

[1] Myanmar Geoinformatics Society, Dipa Aye Mya st, 46 Ward, North Dagon tsp, Yangon, 11421, Myanmar
Email: tinaungmoe1@gmail.com;

Abstract: The impact of the new bridge is serious on the wetland, navigation channel, fishery business and associated flora and fauna in the project area. The Sentinel Data were used to investigate the seasonal variation of the channel, riverbank and migration birds' habitat areas to avoid the serious negative impact and to seek the optimal location for new bridge for the transportation development aspect. The time series data of the remotely sensed data, mainly sentinel data, were widely used in this Environmental Impact Assessment work and avoid the critical area and find the most appropriate least impact zone for development.

Keywords: Bridge, Location Alternatives, Transportation, EIA, Sentinel Data