GPKG Mobile: A GeoPackage Implementation to Facilitate Geospatial Information Study **[1]**

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Abstract:
Characterized by features of standards-based, platform-independent, portable, self-describing, and compact, GeoPackage, a new open format for geospatial information container, makes it much easier to manipulate geospatial data on mobile devices such as smartphones and tablets. In this research, we present GPKG Mobile, a mobile platform based GeoPackage implementation of Common Map API on Google Maps and OpenLayers to facilitate geospatial information study. The mobile app provides a series of operations for users to manipulate geospatial information and GeoPackage data including: 1) accessing and manipulating Google Maps and OpenLayers at the same time; 2) inputting user's GeoPackage format data or sample data; 3) displaying and managing GeoPackage data on both Google Maps and OpenLayers; 4) performing all channels of Common Map API on both Google Maps and OpenLayers.

Collaboration Area: Geospatial [3]
Information Technology and Interoperability [4]

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