Multi-Environment General Purpose Applications
Built with Terralib

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Abstract

Terralib is LGPL geographic library, using GNU C++, that manages, processes and manipulates spatial data as raster images and grids, vectorial maps and networks, and DTMs. It was conceived to create large databases in multi-user and distributed environment. Terralib offers a large set of features to persist, retrieve and process data stored in ANSI SQL RDBMS like PostgreSQL, PostGIS, MySQL, Firebird, Oracle or SQL Server. To create an application the programmer needs to select a programming environment and a graphical user interface to create a presentation canvas and promote user interaction. This presentation, describes a framework based on a generic canvas, a generalized event schema, a drawing service, and a persistence service used to increasing programming productivity offering basic application building blocks. Developed to assist C++ programming, the framework could be extended for other programming environment like Java or Microsoft .Net.