

The logo for FOSS4G 2006, featuring a stylized red and white graphic that resembles a ribbon or a stylized letter 'G'.

FOSS4G 2006 - Free And Open Source Software

Contribution ID : 14

GeoTracing

Thursday 14 Sep 2006 at 13:30 (01h00')

GeoTracing (www.geotracing.com) is an extensible client/server framework for GPS-based mobile tracklogging/media/feature entry and real-time tracing. LBS functionality is planned. GeoTracing is geared at providing a foundation framework for "Locative Media" applications, sports, games and dedicated applications like animal field observation. Geotagged media has a prominent role in the framework. Client/server interaction uses XML and Web 2.0 technologies like AJAX. The browser currently uses Google Maps (with some WMS hacks). GeoTracing is in the process of going Open Source (at geotracing.codehaus.org).

GeoTracing applications allow users to track and share their movement through the landscape. While moving a user can enter impressions/annotations in the form of media and features like Points of Interest. All data is archived/managed in a CMS. Currently a mobile (smart)phone with Bluetooth GPS is used for entry. Through a web-browser tracks/annotations can be viewed in real-time on a Google Map. GeoTracing attempts to provide a foundation framework for specific applications. Several applications have been realized or are under development. Examples are GeoSkating (www.geoskating.com), Sense of the City (www.senseofthecity.nl), geodrawing (www.n8spel.nl). See www.geotracing.com for more applications. GeoTracing builds on other Open Source frameworks like KeyWorx (www.keyworx.org developed by Waag Society) and Pushlets (www.pushlets.com developed by the author). The server uses Java (J2EE), the mobile client (MobiTracer) is implemented in Java (J2ME). The browser uses AJAX and Google Maps. All client/server communication uses XML (Pushlets and KeyWorx extension protocols). Compliance with OGC-protocols and the use of OSS Geo-software like MapBuilder is under study.

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Session classification : Session6 : Webmapping - LBS

Track classification : --not yet classified--

Type : --not specified--