



GIS Day 2008

Discovering the World through GIS
Wednesday, November 19

Digital Earth

Dai globi 3D alle soluzioni integrate per il web

La fornitura di dati e servizi come “Kit di sviluppo applicazioni” a base geografica per la realizzazione di soluzioni personalizzate

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L'esplorazione globale

The image shows a screenshot of the Google Earth application window. The window title is "Google Earth" and it has a menu bar with "File", "Modifica", "Visualizza", "Strumenti", "Aggiungi", and "Guida". Below the menu bar is a search bar labeled "Cerca" and a toolbar with various navigation and tool icons. The main map area shows a 3D view of the Earth, currently focused on the Mediterranean region, showing countries like France, Monaco, San Marino, Slovenia, Croatia, and Bosnia and Herzegovina. The sea is labeled "Mar Ligure" and "Mar Tirreno".

Three callout boxes are overlaid on the screenshot:

- Base: digital Imagery**: A dark blue box with white text, positioned over the top left of the map area.
- web-server + applicazione client**: A dark blue box with white text, positioned over the middle of the map area.
- Interfaccia user-friendly predefinita**: A dark blue box with white text, positioned over the bottom of the map area.

On the left side of the screenshot, there are two panels:

- Luoghi**: A panel with a search bar and a list of "Luoghi personali" and "Luoghi temporanei".
- Livelli**: A panel with a list of layers and their visibility status. The layers include: Database principale (checked), Web geografico (checked), Strade (unchecked), Edifici 3D (unchecked), Vista stradale (unchecked), Confini ed etichette (checked), Tempo meteorologico (unchecked), Galleria (unchecked), Consapevolezza globale (checked), Luoghi di interesse (unchecked), Altro (unchecked), and Terreno 3D (checked).

At the bottom of the screenshot, there is a status bar showing coordinates: "lat 41.125134° lon 11.953497°" and a scale: "819.32 km Alt".

Sviluppo applicazioni

Funzioni documentate per
l'utilizzo della piattaforma



Base: digital Imagery + API + MapControl

hosting personale + sviluppo web

web service semplificato personale
statico o dinamico

Interfaccia web personalizzabile

Sviluppo applicazioni

Interfaccia geografica
programmabile



Base: digital Imagery + API + MapControl

hosting personale + sviluppo web

web service semplificato personale
statico o dinamico

Interfaccia web personalizzata

Sviluppo applicazioni

Software Development Kit



Base: digital Imagery + API + MapControl

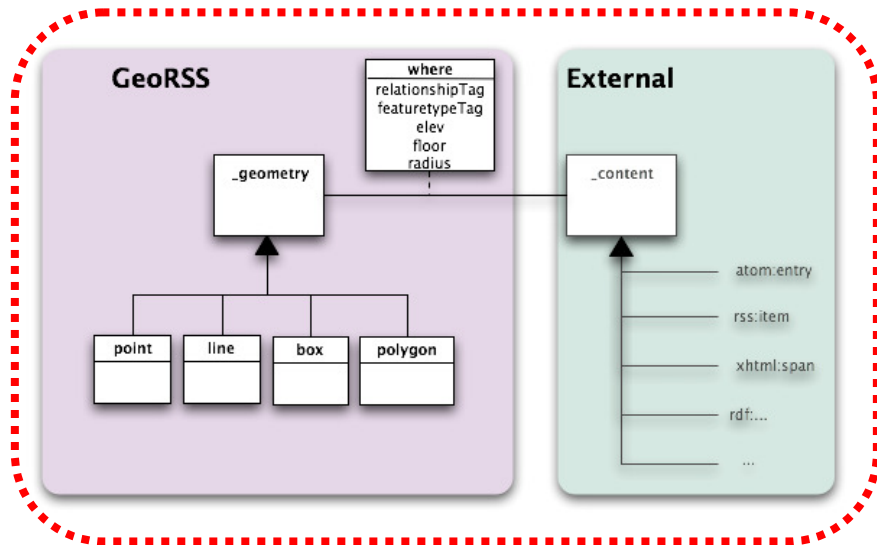
hosting personale + sviluppo web

web service semplificato personale
statico o dinamico

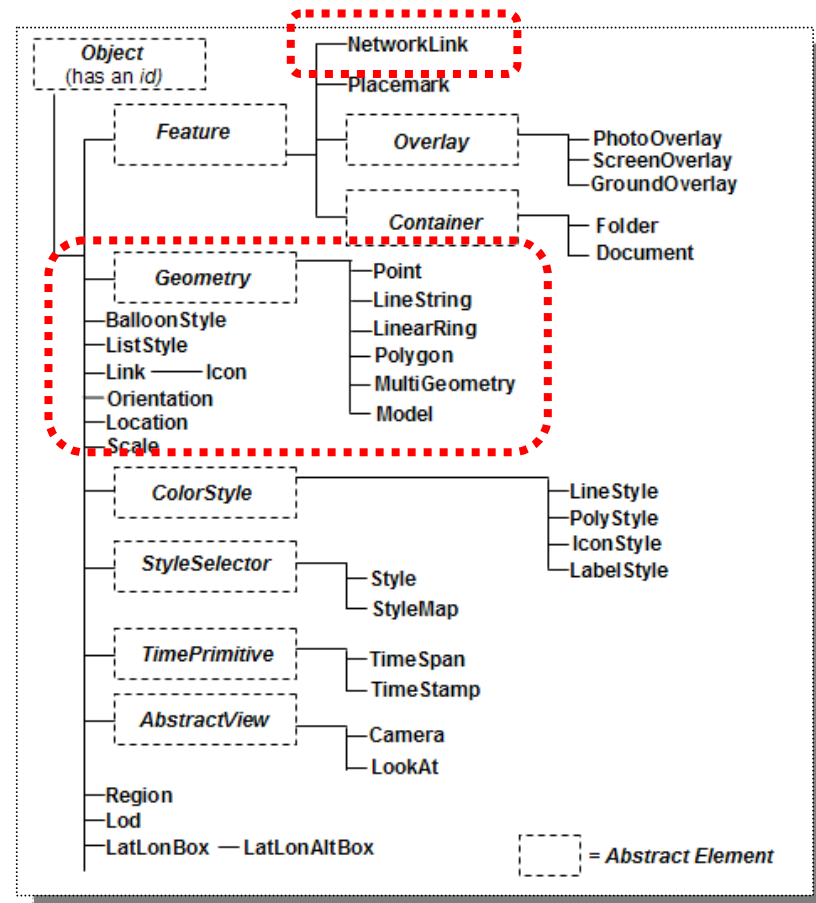
Interfaccia web personalizzata

Standards per GeoDati

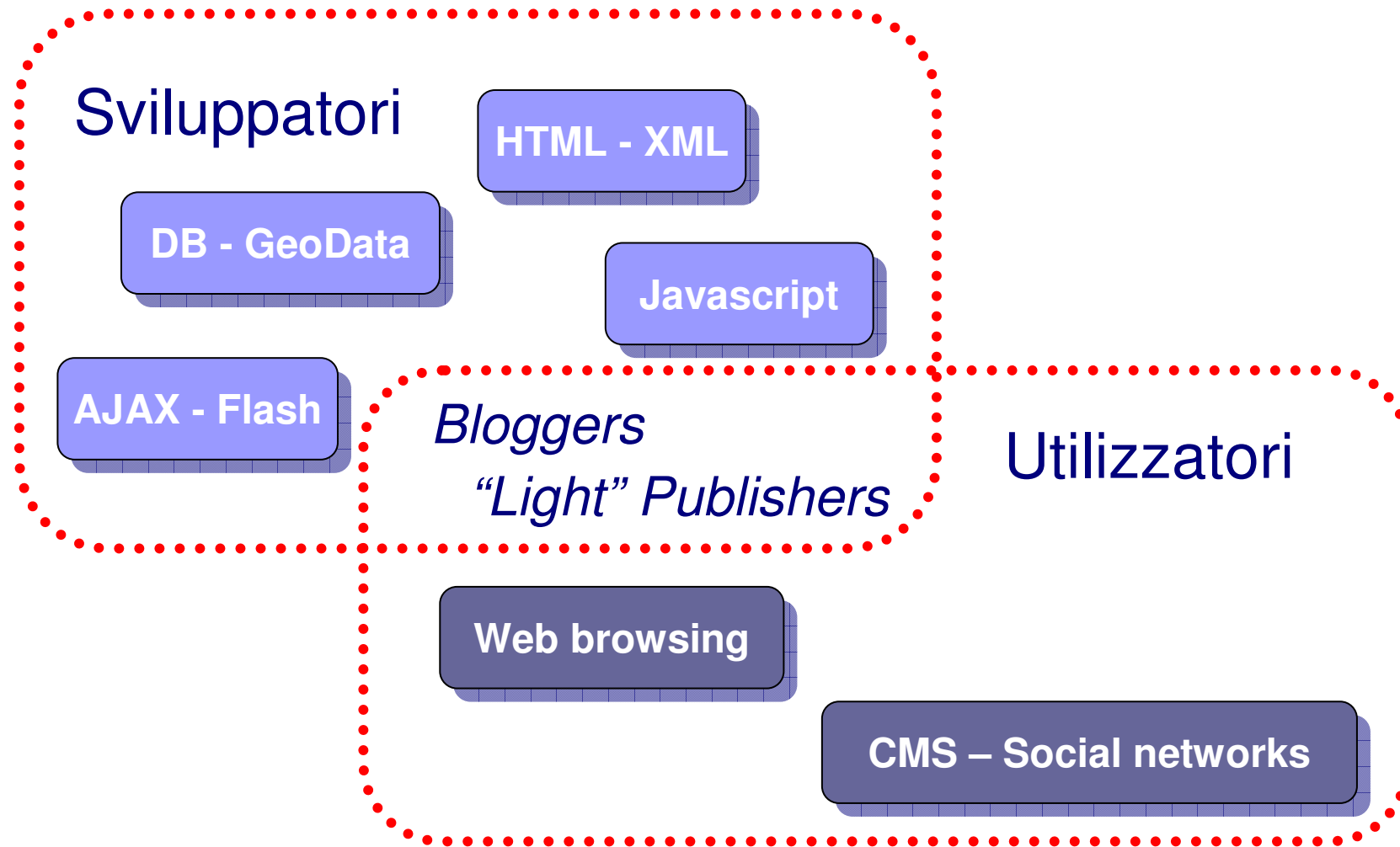
GeoRSS



KML



Profili utente



Google Maps APIs

The screenshot shows the Google Maps API developer documentation page. The page has a search bar at the top with the text "e.g. 'ajax apis' or 'open source'". Below the search bar is the "Google Maps API" header with navigation links: Home, Docs, FAQ, Articles, Blog, Group, Terms. The main content area is titled "Google Map API Concepts" and includes a welcome message and a "Table of Contents" section. The "Table of Contents" lists various topics such as Audience, Creating Google Mapplets, Using the Google AJAX API Loader, Localization of the Google Maps API, Specifying the Sensor Parameter, Programming Notes, Browser Compatibility, XHTML and VML, API Updates, Upgrading Your Google Maps v1 Application, Preventing Memory Leaks, Troubleshooting, and Other Resources. The page also features a sidebar with navigation links for "Maps API" (Developer Guide, Basics, Events, Controls, Overlays, Services, API Reference), "Code Samples" (Demos, Examples), "More Resources" (Articles, Presentations, Known Issues, Utility Library), "Maps API for Flash" (Home Page, Documentation), and "Static Maps API" (Developer Guide). Red arrows point from the right side of the page to specific sections: "Application Programming Interface" points to the "Basics" link in the sidebar; "Esempi di codice" points to the "Demos" link; "Risorse per lo sviluppo" points to the "Articles" link; "API per l'interfaccia in Flash" points to the "Home Page" link; "Mappe statiche" points to the "Developer Guide" link. A "New!" banner is visible in the main content area, announcing support for Reverse Geocoding.

Application Programming Interface

Esempi di codice

Risorse per lo sviluppo

API per l'interfaccia in Flash

Mappe statiche

Google Maps APIs

Map Overlays

[Map Overlays Overview](#)

[Markers](#)

[Draggable Markers](#)

[Icons](#)

[Custom Icons](#)

[The Marker Manager](#)

[Polylines](#)

[Drawing Polylines](#)

[Geodesic Polylines](#)

[Encoded Polylines](#)

[Polygons](#)

[Ground Overlays](#)

[Tile Overlays](#)

[Tile Layer Overlays](#)

[Custom Map Types](#)

[Google Maps Coordinates](#)

[Copyrights](#)

[Projections](#)

[Layers](#)

[Custom Overlays](#)

Punti definiti da codice

Polilinee definite da codice

Poligoni chiusi definiti da codice

Sfondi raster

Sfondi raster “a tasselli”

Layers vettoriali pubblici (servizi web)

Layers vettoriali utente (files o servizi)

Google Maps APIs

googlemapsmania.blogspot.com

Mashups and Tools Index:

[Top Picks:](#)

[Current Events:](#)

[Transit and Transportation:](#)

[Weather:](#)

[Maps from Space:](#)

[Beer and Wine:](#)

[City Information:](#)

[Housing & Real Estate:](#)

[Employment:](#)

[Business:](#)

[Statistics & Demographics:](#)

[History Maps:](#)

[Recreation & Fitness:](#)

[Events & Sports:](#)

[Travel & Tourism:](#)

[Social Networking:](#)

[Media:](#)

[Celebrity Maps:](#)

[Music Maps:](#)

[Book Maps:](#)

[Campus Maps:](#)

[Marine Maps:](#)

[Web 2.0:](#)

[Crime:](#)

[Google Map Viewing Tools and Tips:](#)

[Google Maps Creation Tools:](#)

[World Satellite Views:](#)

[Google Maps API Use:](#)

[Google Maps Games:](#)

CERCA NEL BLOG | CONTRASSEGNA BLOG | Blog successivo» Crea blog | Entra

Google Maps Mania

16150 readers

unofficial Google Maps blog tracking the websites, mashups and tools being influenced by Google Maps.

This blog is not sponsored by or affiliated with Google search this blog:

by Google [Google Maps](#) [European Maps](#) [Ferry from UK](#) [Free Maps](#)

News on Google Maps

Monday, November 17, 2008

Trackthisnow.com

Mexico
America's Shrewd Priorities
Within hours of Barack Obama's world-moving acceptance speech, the news broke that two American security chiefs had been killed in a plane crash near regard...

Health care comes in second to putting food on table
(Dark Lumber) El Paso Times) What will Obama administration mean for health-care reform? EL PASO: When Tony Azarza, her husband or her five children led...

Mixed-States' Families Look to Obama
The 100-plus people who attended the meeting Saturday at St. Pius Church in the Pilgrim neighborhood were sending a reminder to President-elect Barack Obama...

Trackthisnow.com tracks the news in real time in 236 countries worldwide and presents the news on a Google Map. It is possible to search the news for any item and see what each of the 236 countries are currently reporting about that item.

It is possible to enter any query into the Trackthisnow.com search box and it will return the news reports for that query in any of the 236 countries. If you click on one of the country markers the headlines and a brief brief extract will appear in the map's sidebar. Clicking on the story headline will take you through to the source of the story on the internet.

Free Digital Map Software

Make Great Maps in Minutes See Examples. Free Download!
[www.SmartDraw.com/2008](#)

Global Mapper

View, Edit, Merge & Convert Files Download Your Free Demo Today!
[www.GlobalMapper.com](#)

Zubed Geospatial Ltd

True WebGIS Using Zubed Location Intelligence Toolsets & Techniques
[www.Zubed.com](#)

Geocoding

Append Geocodes To Your Data - Coverage For Over 60 Countries!
[www.GlobalAddress.net](#)

Ads by Google

Inside Google Maps Mania:

- [Welcome! \(Read this first\)](#)
- [Mashups and Tools Index](#)
- [By Country](#) | [Special Features](#)
- [100 Things you can do!](#)
- [Archives](#) | [Email Contact](#)
- [About Me](#) | [Contributors](#)
- [Media & Blog Mentions](#)
- [Subscribe](#) | [AideRSS](#)

GoogleMapsDev

MS Virtual Earth SDK

I want to:

- Show a map
 - Show the default map
 - Show a specific map
 - Use a callback
 - Show this map in 3D
 - Show traffic
- Control the map
- Show/hide controls
- Use default shapes
- Customize shapes
- Use shape layers
- Import data into shape layers
- Use custom tile layers
- Find information (basic)
- Find information (advanced)
- Get a multi-point route and directions
- Use birdseye images
- Work with 3D maps
- Use events and callbacks
- Get map info

NEW
What's new in the latest release?

Dati vettoriali predefiniti da codice

Dati vettoriali personalizzati da codice

Layers vettoriali utente (files o servizi)

Layers raster utente "a tasselli"

Calcolo percorsi

Immagini pictometriche "bird's eye view"

Visualizzazione 3D (activeX / plugin)

MS Virtual Earth SDK

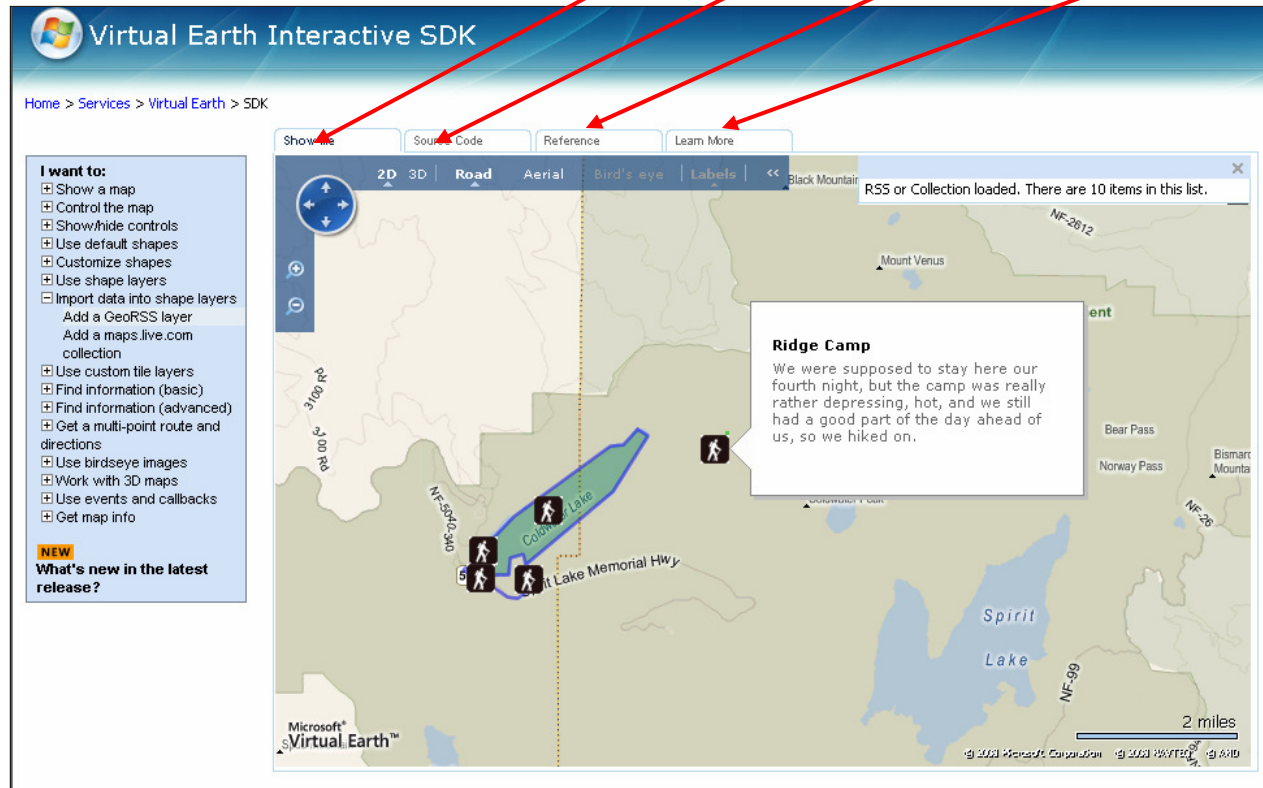
Layer vettoriale GeoRSS

Esempio

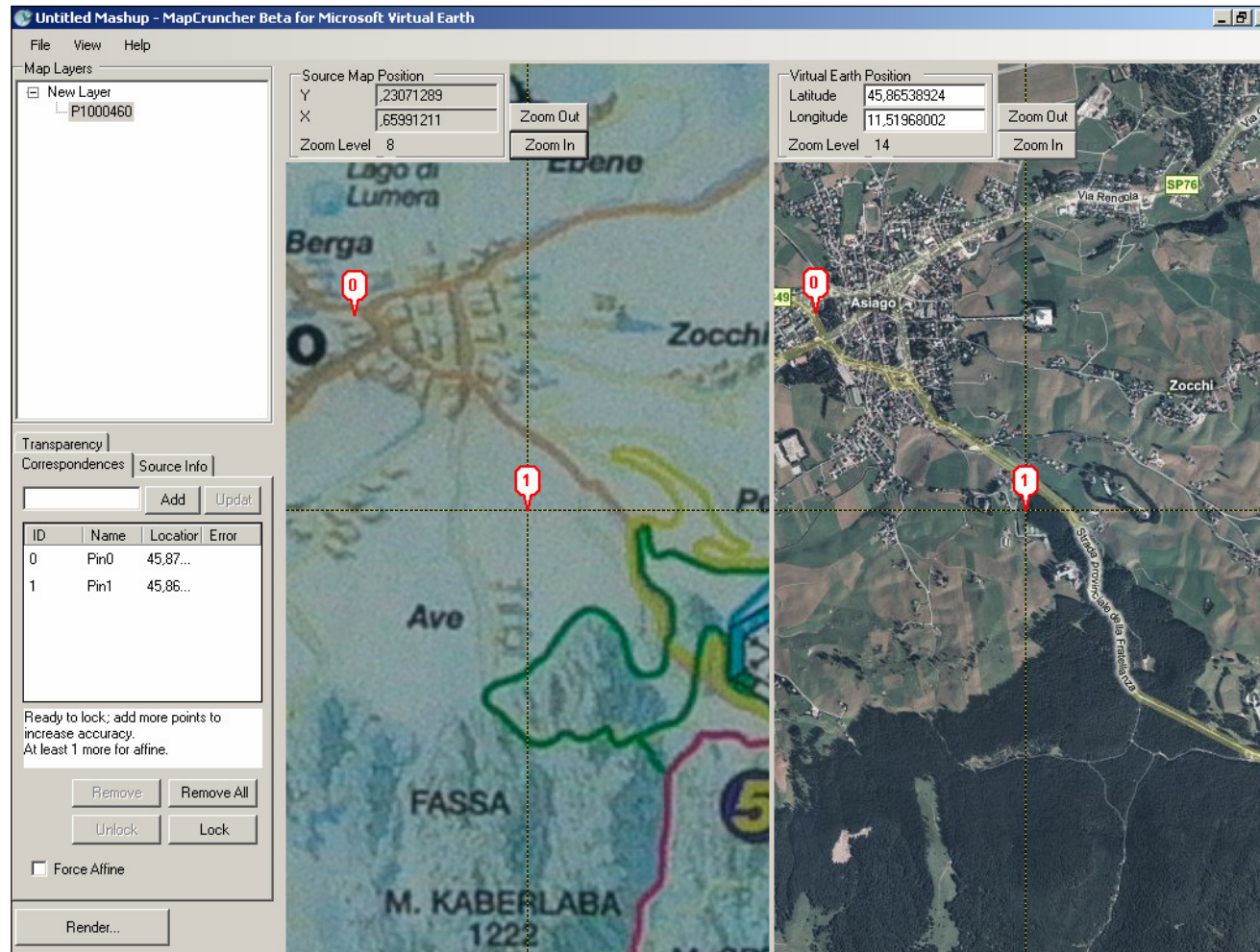
Codice sorgente

Guida

Risorse



MS Virtual Earth SDK



**Layer raster
“a tasselli”
con
MapCruncher**

Yahoo! Maps Web Services

API per interfacce AJAX

API per interfacce Flash

Developer APIs

AJAX AND FLASH

AJAX API Use DHTML and JavaScript to host your own maps. We provide the JavaScript functions to make map-making a breeze.	ActionScript 3 Flash APIs Embed a map into your website or desktop app using the ActionScript 3.0 Maps API with Adobe Flash.	ActionScript 2 Flash APIs DEPRECATED Embed maps into your website or app using the ActionScript 2.0 API with Adobe Flash.
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REST, NO CODING, AND UTILITIES

REST API Fetch a map image programmatically and stitch tiles together to build your own map.	No Coding Overlay your map data easily using the Yahoo! Maps website to display your maps. No coding is necessary.
Geocoding API Transform physical addresses into encoded latitude-longitude (geocoded) responses.	GeoRSS - Version 2 Use GeoRSS tagged XML files with the Yahoo! Maps Ajax API to overlay your data on Yahoo! Maps - creating custom maps without programming.

Mappe statiche

Geocodifica

Dati utente

Overlay di dati GeoRSS

Yahoo! Maps Web Services

Yahoo!
Gallery

The screenshot shows the Yahoo! Maps Web Services interface. At the top, there are navigation links for 'Yahoo!', 'My Yahoo!', and 'Mail'. A search bar is located in the top right corner. Below the navigation, there are links for 'Sign In', 'New User? Sign Up', and 'BETA'. The main content area is divided into several sections:

- Maps:** A section with a map thumbnail and a description: "The new Yahoo! Maps offers a powerful new way to experience and use maps. Tap into this beautiful new interface either using the free Flash viewer from Macromedia, or display via AJAX." A "Learn More" link is provided.
- EDITORS' PICKS:** Two featured applications:
 - USGS earthquake explorer** by **dataaffect** (4888 Downloads/Visits). Description: "USGS earthquake explorer utilizes the yahoo maps API to pinpoint earthquakes using realtime earthquake data from the U.S. Geological Survey's ...".
 - Endorphinum Y! Maps** by **endorphinum** (3651 Downloads/Visits). Description: "Herein the Yahoo! Maps are used in two ways. On the one hand visitors can see where the urban sports guerrillero or guerrillera lives. And on the ...".
- SEARCH:** A search bar with a "SEARCH" button and a link to "Advanced Search".
- BROWSE BY POPULAR TAGS:** A list of tags including "airport", "Guidebook", "hotels", "cool apps", "Whiteboard", "boston", "Vancouver", "yahoo maps", "Map", "goa2", "airports", "online booking", "reservations", "chicago", "chat", "collaboration", "flex", "real estate", "goanywhere". A "Reservation" slider is also present.
- BROWSE APPLICATIONS:** A grid of application categories: Music, del.icio.us, Maps, Answers, Mail, Y! OpenID Service, Flickr, Shopping, Messenger, BBAuth, Right Media, MyBlogLog, Search, YUI, Travel, Upcoming.org, Astra, Misc.
- NAVIGATION TRAIL:** A section titled "NAVIGATION TRAIL" with the text: "Flag interesting applications while you browse Gallery".

At the bottom, there are navigation tabs for "EDITORS' PICKS", "SUBMITTED LATELY", "HIGHLY RATED", and "MOST POPULAR". A pagination bar shows "Showing 1 to 5 of 30" and "1 2 3 Next".

Yahoo! Maps Web Services

Oggle.ca :: See The World - Windows Internet Explorer
http://www.oggle.ca/

Oggle.ca

Carmana Plaza

Main

FullScreen

Media Launch Pad

Main view

Visit Website: **Carmana Plaza**
Send Email: **info@carmanaplaza.com**
Phone: 604-683-1399
Address: 1128 Alberni Street,
Vancouver, BC, Canada

Description:
Carmana Plaza is an all-suite property with one and two bedroom suites that boast of amazing views, exquisite furnishings and spacious living.

Map View

- Scenic
- Accommodations
- Restaurants
- Bars

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Data © 2008 Navteq

Conclusioni

Dallo sviluppo dei Globi 3D sono nati **nuovi strumenti** per la comunicazione interattiva di informazioni geo-localizzate.

Sul versante della progettazione è tuttavia necessario valutare correttamente i requisiti delle applicazioni sviluppabili tra i quali possiamo evidenziare:

- Strutturazione dati elementare e poco dinamica
- Rappresentazione grafica elementare e poco dinamica
- Ottimizzazione per strati informativi anche numerosi ma poco consistenti
- Assenza di operazioni complesse (geoproccessing, overlay, proiezioni ...)
- Basso impatto sul versante dello sviluppo e operatività lato server

Conclusioni

Di fatto, sempre nell'ambito dei requisiti tecnici precedentemente riportati, rispetto all'impostazione tipica delle tradizionali applicazioni web-gis, con questo tipo di progetti alcuni nodi cruciali trovano soluzioni adeguate; in particolare:

- Si rimuove il “problema della cartografia di base” introducendo una rappresentazione “universale” e “multi-funzionale” del territorio basata sul paradigma dell'immagine e contestualmente si eliminano anche le limitazioni poste dalle “royalties” sui dati di base;
- Si supera anche il problema del “GIS” e/o del “web-GIS” oltre che del linguaggio di personalizzazione delle interfacce con la concessione all'uso di strumenti distribuiti a livello globale e tecniche standard / web-oriented di personalizzazione e veicolazione di dati sulla rete.