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P r e s e n t a t i o n

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TITLE: The Future is Here: The New World for Integrated Environmental Data Systems

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ABSTRACT: Discussion of how new trends in web-based information systems can be used to develop new integrated environmental data systems.

KEYWORDS: Web2.0, transportation, GIS, information systems

The Future is Here: The New World for Integrated Environmental Data Systems

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Lessons from Beyond



Web 2.0

- Warning: Buzzword Zone
- Survivors of .Bomb and New Web Darlings
- Based on Open, Lightweight Technologies
- XML, AJAX, Javascript, HTTP, RSS

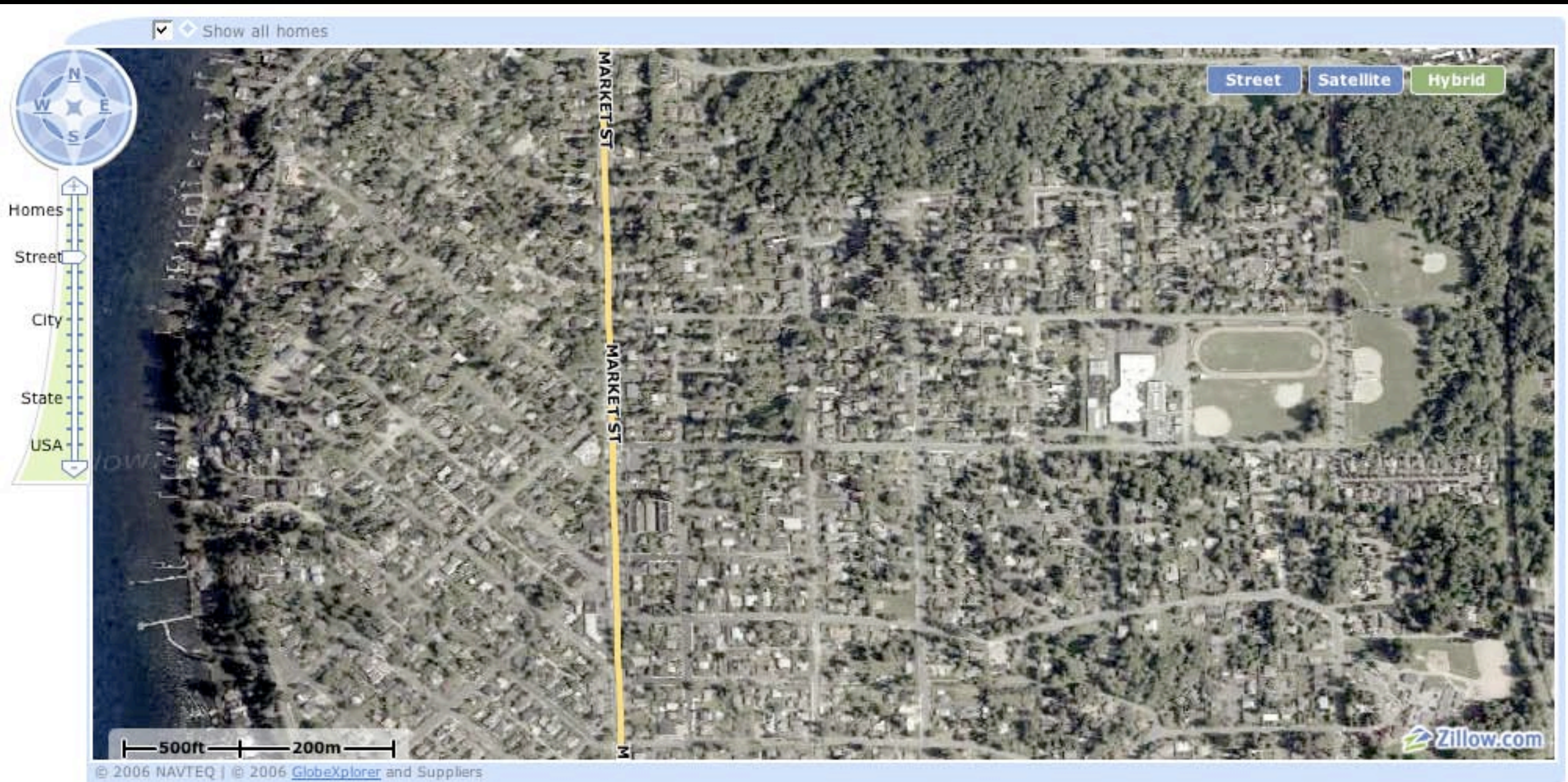
웹1.0	웹2.0
브리태니커 백과사전 인터넷판	위키피디아
개인별 홈페이지	서로 연결되는 블로그
MP3다운로드 서비스	냅스터, 소리바다 등 P2P 서비스
방문자 수에 따른 순위 평가	몇 번 클릭했는지에 따른 순위 평가

Web 2.0

- Social Networks
 - Wisdom of Crowds
- Loosely Coupled API's
 - Mash Ups
 - The Right to Remix
- Hackability
- Permanent Betas
- Software that Gets Better the More People Use It
- Folksonomies

Example: Zillow.com

Example: Zillow.com



Example: Zillow.com

Street Map View

Street | Satellite | Hybrid

\$540K | \$526K | \$532K | \$532K | \$528K

\$496K

\$552K

Zillow.com

Show main home
 Show all homes

North | East | South | West

Bird's Eye View

Microsoft Virtual Earth
© 2008 Microsoft Corp.
© 2008 Planetmistry International Corp.
No. for government use

Move Maps Separately

Move Maps Separately

North | East | South | West

Example: Zillow.com

Zillow.com - 1835 2nd St, Kirkland, WA 98033

http://www.zillow.com/HomeDetails.htm?city=Kirkland&state=WA&zprop=48716092

myWebCT MyYahoo Dave's World Institute Stuff Development Look at Bookmarks CredibilityCommons Resize Page Middle East Informat...

Home Map & Search How to Use Zillow


Value Any Home Address OR Street OR Neighborhood City, State OR ZIP
kirkland, wa GO Advanced Search

1835 2nd St, Kirkland, WA 98033 Last updated: 03/25/2006

ZESTIMATE™: \$485,014 (What's this?)
Value Range: \$417,112 - \$538,366

Refine value of home with My Zestimator™ Map comparable homes


Bird's Eye View Map View Both Views



See both views side-by-side

See homes for sale on ZIP REALTY

1 Year Value Change
1yr | 5yr | 10yr



Month	Value (k)
M	\$440
J	\$445
J	\$450
A	\$455
S	\$460
O	\$465
N	\$470
D	\$475
J	\$480
F	\$485
M	\$485
A	\$485
M	\$485

See more graphs & data

Zestimate Ranking
52% of homes in the 98033 ZIP code have a value lower than this home.
See more Zestimate rankings

You and This Home
Get e-mail updates on this home
E-mail address: GO
See sample e-mail | Privacy policy
Tell us if something is incorrect.
E-mail this page to a friend

Home Facts

Residence:	Single family
Bedrooms:	3
Baths:	1.0
Total rooms:	--
# Stories:	1
Sq ft:	1,620
Lot size:	12,250 sq ft / 0.28 acres
Year built:	1978
Heating:	Forced air

THIS HOME

- Home details
- My Zestimator
- Graphs & data

QUICK LINKS

- Map comps
- Map this home
- E-mail this page

Ads by Google

Home Refinancing 4.99%
Find the Best Rates in Home. Get a Free Live Quote Today!
www.LoanTrust.org

Refinance Home
Looking To Refinance Your Mortgage? Get 4 Free Quotes - Bad Credit OK.
www.RateQuoteCentral.com

Home Equity Loans
Lock In Low Rates Now! One Quick, Safe, Secure Form, Up to 4 Offers.
www.LendingTree.com

Home Equity Loan Quotes
Up to 4 free home equity quotes. No credit check or obligation required
www.LowerMyBills.com

Done

Implications for IEDS

From System to Ecosystem

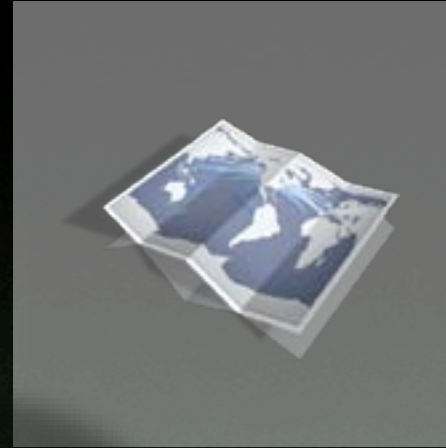
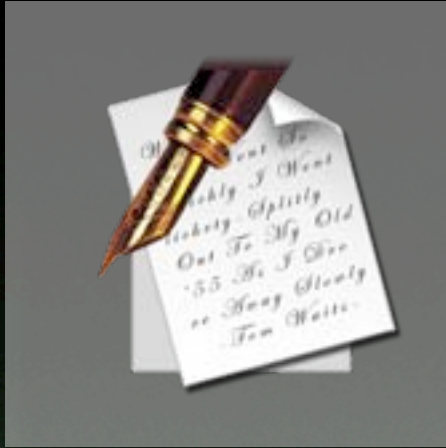
Implications for IEDS



Implications for IEDS



Implications for IEDS



Implications for IEDS



Implications for IEDS



Implications for IEDS



Implications for IEDS



Implications for IEDS



Implications, cont.

- Build Lots of Lightweight Applications
- Migrate Emerging Critical Data/Services/ Applications to Core Infrastructure
- Public, XML-Based API's
 - Make it Easy to Implement
- Give It Away
 - Certify Don't Censor

Conclusions

