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Presentation

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

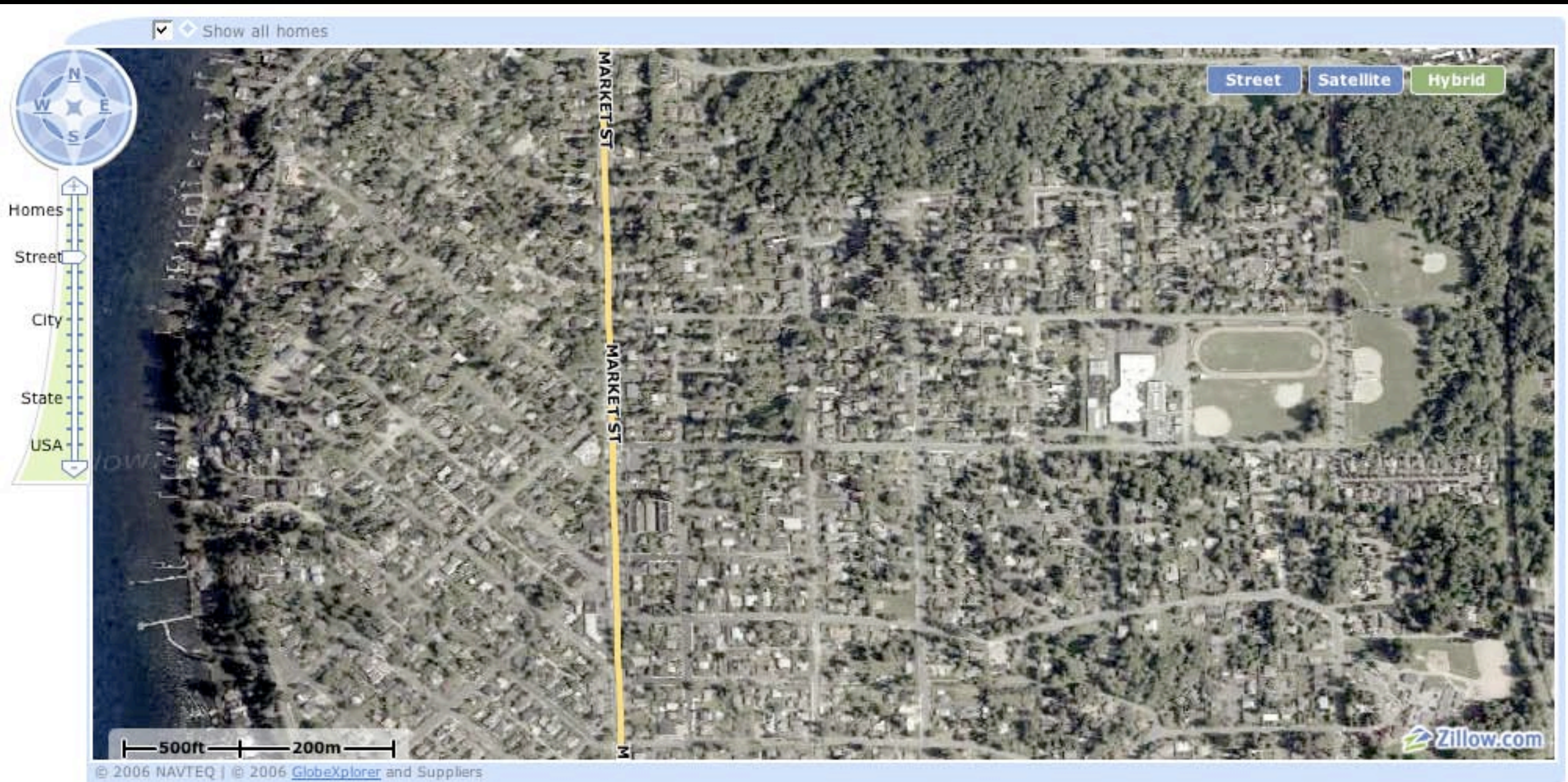 - XML, AJAX, Javascript, HTTP, RSS

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

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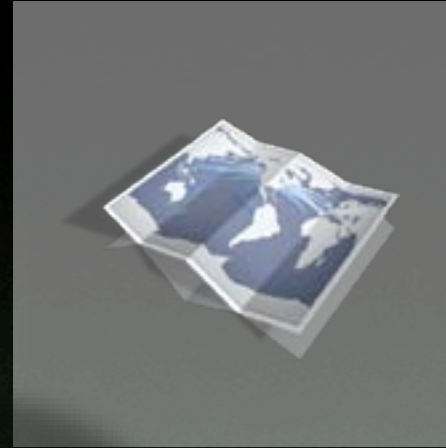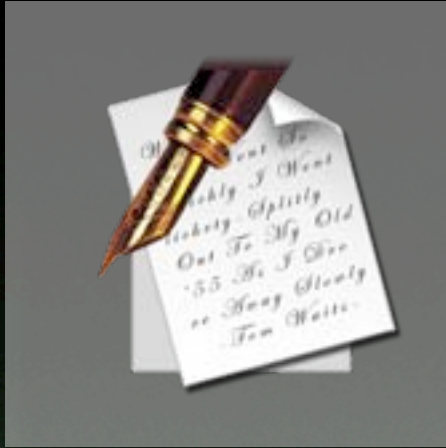# Implications for IEDS

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

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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