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
Example: Zillow.com
Example: Zillow.com
Example: Zillow.com
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, 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