Web 2.0, map production & publishing and geospatial information dissemination

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Web 2.0

O’Reilly (2004)  
"Open Source Paradigm Shift"
What is changing?
Access to information and media
Ubiquitous devices
Geo-enabled consumer electronic products
Web 2.0 and Social Software
Movement of data repositories
New players in geospatial
Public interest in mapping
Technologically aware and savvy producer/users
Web 2.0

Presents a new view on what can be done
Presents a new genre of publishing
(Including cartographic publishing)
Web 2.0 and location
Social network and sharing sites

- Flickr
  - 90 million geotagged images

http://farm1.static.flickr.com/13/17701182_ce6291a1cc_o.jpg
Web 2.0 and mapping
Community involvement
User-generated content
User-generated content

Crowdsourcing

open

closed
“Crowd sourcing”

CASA

Mapping Anti-Social Behaviour in East Anglia Using MapTube on BBC TV Look East
User-generated content

Crowdsourcing

open

closed
User-generated content

Crowdsourcing

open

closed

Volunteered geographic information
WikiMapia
OpenStreetMap is a free editable map of the whole world. It is made by people like you.

OpenStreetMap allows you to view, edit and use geographical data in a collaborative way from anywhere on Earth.

OpenStreetMap's hosting is kindly supported by the UCL VR Centre and bynavar.
OpenStreetmap

http://share.gigapan.org/viewGigapan.php?id=28013
Web 2.0, maps and informing
Directions: To navigate the Atlas of Our Changing Environment, use the zoom and pan tools located at the top left corner of the map. Click on the icons on the map to view each site with detailed information located on our website and in Google Earth.
Web 2.0, maps and community publishing
Redfern-Waterloo TOUR of BEAUTY Nov 17 2007
REDFERN-WATERLOO TOUR OF BEAUTY SPECIAL TOUR from Sydney to Redfern and back!

Sites we will visit on the bus tour include:

* The Block, the heart of indigenous housing and culture in Sydney
* The Settlement, Australia’s longest running community centre
* Redfern Public School, Redfern Courthouse, Rachel Forster Hospital; all slated for private sale and development
* The public housing towers in Waterloo (picted above)
* The Banks St gallery precinct (30CS) – “a little piece of Paddington in Waterloo”
* Redfern Oval (traditional home of the South Sydney Rabbitohs) which the local community wants to have converted into a sports facility for public use.

For more information on the project please go to: squatgaspace.com/redfern

938 views - Public
Created on Nov 15 - Updated Nov 15
By Official
Rate this map - Write a comment

Redfern/Waterloo Tour Of Beauty
Tasmania's devastating logging practices exposed

Ever wanted to see the devastating impact that logging is having on the Tasmanian landscape?

It is now possible to see the huge scale on which Tasmania's forests are being destroyed.

Each year in Tasmania, approximately 15,000 hectares of native forest are destroyed. The magnitude of this is hard to grasp but the following overlays for Google Earth now make it possible.

A total of 155 areas, totalling 57 square kilometres, of native forest will be permanently cleared of forest and converted to plantations in this year. This landclearing is devastating our biodiversity and water catchments.

Download Google Earth Overlay:
Tasmanian logging coupes | Gunns' proposed pulp mill and existing mills

Quick start: Download either or both (1.2MB) files to your computer. Double-click them and it should automatically launch Google Earth.

Quick tips:
- Double click on overlay icons. A pop up will give you more info. To see overlay map (from Forestry Tasmania), choose 'Download Google Earth overlay map'.
- To automatically zoom into an area click on coupe border. You may need to get closer first.
- Special feature: After launching Gunns' woodchip mill overlay, click on a mill and from the pop-up choose 'See Japanese Paper Mills'.

Google Earth is a free program which enables you to view satellite images of any location in the world using your internet connection. By downloading these overlays into Google Earth, you can see all of the planned logging in Tasmania's public native forests for the 2006-2007 year. However, selective logging and contingency coupes are not yet included.

Once you have downloaded the overlays, you will see each planned logging coupe. As you zoom in you will see, in addition to the placemark circles, the outline of each coupe. Clicking on the placemarks will reveal further information about each logging operation.

Coupes with an orange border will be clearfelled and then replaced with tree plantations. Areas with a pink border will be clearfelled, allowed to regrow to native forest, and then planted on a logging rotation. Yellow areas are other types of logging, such as aggregated retention or clamp clearfelling, but not including selective logging. Areas with green borders are reserves - these boundaries are still being worked on. Reserves are at this stage, only included if logging is occurring close by.

To find out what much of this wood is destined for, you can also download overlays showing the locations of Gunns' Tasmania woodchip mills. Zooming in to these locations will show you piles of woodchipped forest awaiting export. Clicking on the placemark circle will reveal further information, including a

Bad Developers

http://www.baddevelopers.green.net.au/Docs/gmw.htm
Bad Developers
Southern Rural Water also using Acrolein
The orange indicates approximate location of channels sprayed with Acrolein in January and November 2005
http://www.baddevelopers.green.net.au/Docs/gmw.htm
Change in how users access, use and publish geographical information
Issues to be addressed by the cartographic community
Accuracy
Currency
Coverage
Other issues

Hidden data provision agenda
Data scraping = data theft
“Just good enough” mindset
Anonymous collectors
Data access and exploitation
Research relating to ‘different’ use of geospatial information

Collaborative publishing
Collaborative decision-making
Collaborative problem solving
“The wisdom of the crowds” (Random House)
James Surowiecki – *The New Yorker*

Ask a crowd, rather than a pair, and the average is quite close to the truth.
voowerp
Changes in strategies

• Conventional and Web maps
  • ‘Packaged’ products
• Web 2.0
  • Collaborative outcomes
• Where 2.0
  • Geo-located outcomes
Public and private partnerships

Government and profession

Data collection, maintenance and provision

Data use and representation
Public and private partnerships

Government and profession
- Data collection, maintenance and provision
- Data use and representation

Individuals and organisations
- Data collection
- Data use and representation
Public and private partnerships

Government and profession  Individuals and organisations

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- Data collection
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- Government and professional partnerships

Individuals and organisations
Public and private partnerships
Public and private partnerships

Boundaries are gone
Web 2.0 and changing landscapes

• The way in which information is accessed
• New ways of using products
• Users can be the map producer
• Data assembled from many discrete and dispersed sites
• Plethora of devices to generate maps and visualization products
• Many products available to visualise geography
• Not just maps to inform about geography, but also many ‘mainstream’ media
Web 2.0 and ICA activities
Research Agenda on Cartography and GI Science

- Geographic Information
- Metadata and SDIs
- Geospatial Analysis and Modelling
- Usability
- Geovisualization, Visual Analytics
- Map production
- Cartographic Theory
- History of Cartography and GI Science
- Education
- Society
**Commissions & Working Groups**

**Commissions**
- Cartography and Children
- Digital Technologies in Cartographic Heritage
- Education and Training
- Generalisation and Multiple Representation
- Geospatial Analysis and Modeling
- Geospatial Data Standards
- Geovisualization
- History of Cartography
- Management and Economics of Map Production
- Mapping from Satellite Imagery
- Map Projections
- Maps and Graphics for Blind and Partially Sighted People

**Working Groups**
- Art and Cartography
- Cartography in Early Warning and Crisis Management
- Census Cartography
- GIS and Sustainable Development
- Mapping Africa for Africa
- Open Data Access and Intellectual Property Rights

**Maps and Society**
- Maps and Society
- Maps and the Internet
- Marine Cartography
- Mountain Cartography
- National and Regional Atlases
- Planetary Cartography

**Use and User Issues**
- Theoretical Cartography
- Ubiquitous Mapping
- Underrepresented Groups and Cartography
- Use and User Issues
Thank you