Designing a More Equitable Internet

Tapan S. Parikh • parikh@ischool.berkeley.edu
The Distribution of all Wikipedia Articles

Visualization and analysis by Dr Mark Graham, Scott A. Hale and Monica Stephens in collaboration with Dr Corinne M. Flick and the Convoco Foundation.

This map and other visualizations can be found on the OII visualization website at http://www.oii.ox.ac.uk/vto/

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Inappropriate UIs exacerbate inequality
Awaaz.De  Give Voice
Development Support Center (DSC)
You have reached Avaaj Otalo:

• Press 1 to ask a new question
• Press 2 to browse the forum
• Press 3 to hear radio
Moderator sees question on web dashboard
<table>
<thead>
<tr>
<th>Date</th>
<th>User</th>
<th>Message</th>
<th>1 - 6 of 6</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011-04-07 16:44:23</td>
<td>1003</td>
<td></td>
<td>+</td>
</tr>
<tr>
<td>2011-04-07 15:54:23</td>
<td>1003</td>
<td></td>
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<tr>
<td>2011-03-10 04:13:30</td>
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<tr>
<td>2011-03-10 03:57:12</td>
<td>1003</td>
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<tr>
<td>2011-01-01 03:41:44</td>
<td>1002</td>
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<tr>
<td>2010-12-01 08:50:12</td>
<td>9723887815</td>
<td></td>
<td>+</td>
</tr>
</tbody>
</table>

**Message Details**

**Caller Details**
- Number: 1003
- Name: Neil Patel
- District: 
- Taluka: 
- Village: 

**Thread**
- 1003 - 2011-04-07 16:40:39
- Neil Patel (1002) - 2011-04-07 16:42:37
- Neil Patel (1002) - 2011-04-07 16:46:05

**Assigned Responders:**
- Neil Patel
- Paresh Dave
- Parina Samuel
- U.A. Parasara
- Manhar Patel

**Crop**

**Download**

**Save**

**Other Features**
- Broadcasts

**Forums**
- Question and Answer
- Approved
- Rejected
- Responses
- Upload
Question is tagged and forwarded

Caller Details

- Number: 958
- Name: Vivek
- District: Bhavnagar
- Taluka: Vallabhipur
- Village: 

Thread

Vivek Garg (958 958 958 958) - 2010-08-08 12:59:51

Upload Response

Crop: Cotton
Topic: Diseases
Assigned Responders: Manhar Patel, Bharat Rajgor, Bharat Patel, Sawani, Borad

CALLER

CALL

EXPERTS
Hello! Farmer “Vivek” has asked:

<question>

- Press 1 to listen
- Press 2 to respond
- Press 3 to forward
Hello! “Vivek” asked:

<question>

The response is:

<answer>

• Press 1 to respond.

• Press 2 to listen again.
Good advice broadcast to all cotton farmers
An “audio” discussion takes shape
Pilot deployment with DSC

- Dec ’08 to July ’09 (8 months)
- 63 farmers across Gujarat
- No formal education to college
- All males aged 18-60

CHI 2010 (Best Paper), ICTD 2012 w/ Patel, Chittamuru, Jain, Dave
Novelty effect

13 new users

- 30% replies from other farmers
- Lurking was 73% of total traffic
- Avg of ~5 minutes per call
Top 3 callers

- Progressive, experimental farmers
- Age < 30
- Geographically remote
- Education less than 10th grade
Congratulations to Avaaj Otalo. I will be forever in your debt for the knowledgeable response you gave to my question, and Shankarbhai (the expert), the service you are providing here I pray to God that you keep offering just like it is. Farmers will learn so much if an ordinary person is able to ask a question and you remember it and send me a message while I am sitting at my house. In the seven years I have been farming this is the first and only time that I have received satisfactory information is from you. So big ups to you, and also if I want to sow something now, I've got a little extra water, so what should I sow that would be best suited for me?
Awaaz.De: From Research to Practice

Number of employees: 3+
Number of calls: 100,000+
Awaaz.De connects...

ORGANIZATIONS

COMMUNITIES

QUESTION AND ANSWER
VOICE FORUMS
ANNOUNCEMENTS
PHONE SURVEYS
ANALYTICS
CONTENT CURATION
Applications across India

- Agricultural Extension
- Labor Rights
- Youth Awareness
- Education
- Human Rights
Applications across India
Map Locally, Visualize Globally
Print Bar-Coded Paper Map

Print a Bar-Coded Map

1. Search
   kennedy high school, richmond ca
   go

2. Print
   - Landscape
   - Landscape + Margin
   - Portrait
   - Portrait + Margin
   Generate Map

3. View Results
   - Map Image
   - KML File
   - Print PDF

Mark your favorite place at Kennedy. Why do you like it?
Mark a place that isn’t being used well. How you might improve it?
Mark a place that you’ve never noticed before today. Why do you think you haven’t noticed it before?
Annotate Map in Color
Upload and Add Media

Upload Your Map

You're Uploading A Scanned Map

You're here because you have a paper version of a printed map and you'd like to send a scanned version to trace into OpenStreetMap. Your scan should be a reasonably-high resolution (200+ dpi) image file, such as a JPEG. A PDF file will not work.

Name:
Group:
Mapping Event:
Description:
Upload File:

Enter a tag:

- 4th Period
  - Map 1
  - Map 11
- 5th Period
  - Map 2
  - Map 13

- 6th Period
  - Map 3
  - Map 14
- 7th Period
  - Map 4
  - Map 15
- 8th Period
  - Map 5
  - Map 16
- 9th Period
  - Map 6
  - Map 17
- 10th Period
  - Map 7
  - Map 18
- 11th Period
  - Map 8
  - Map 19

Athlete's Hill
- Blacktop
- Track & Field

Athletic Field
- Pool
- Multi Cultural Spot

March Madness

Laser Hangout

No cars!
Edit and Group Data
Visualize and Present

Clothing in the bushes

Local Ground

NURVE Project

Enter a tag...

☑ General
☑ Student Photos

☐ Nystrom Village Visioning
- 4th Period: Group 1
- 4th Period: Group 2
- 4th Period: Group 3
- 5th Period: Group 1
- 5th Period: Group 2
- 5th Period: Group 3

☑ Nystrom Walk - 4th Period
☑ Map 1
☑ Map 2
☑ Map 3
☑ Map 4
☑ Map 5
☑ Map 6

☐ Street Light Mapping
Street Light Outages

View map here: http://tinyurl.com/street-light-outages-2

NAME: S 6th Street
LOCATION 1: 377 S 6th Street
LOCATION 2: between Maine Ave and Virginia Ave
SERIAL NUMBER 1: 77971
SERIAL NUMBER 2: N/A
SERIAL NUMBER 3: N/A
POLE TYPE: wood
RECORDED BY: Joyce
COLLECTED ON: 20 April 2010
COMMENTS: N/A
LAT/LONG: 37.92693596360593, -122.36391390

NAME: Florida Avenue
LOCATION 1: 1006 Florida Avenue
LOCATION 2: just East of S Harbor Way
SERIAL NUMBER 1: 110398385
SERIAL NUMBER 2: 7892
SERIAL NUMBER 3: 892
POLE TYPE: wood
RECORDED BY: Lola
COLLECTED ON: 20 April 2010
COMMENTS: N/A
LAT/LONG: 37.92935406111216, -122.35983565

NAME: S Harbor Way
LOCATION 1: 350 S Harbor Way
LOCATION 2: between Maine Ave and Virginia Ave
SERIAL NUMBER 1: 110233293
SERIAL NUMBER 2: N/A
SERIAL NUMBER 3: N/A
POLE TYPE: wood
RECORDED BY: Sarah
COLLECTED ON: 20 April 2010
Visioning a New Nystrom
People on the corner, outside of the methadone clinic
Engaging City Hall
Pilot Locations
Lessons & Status

Paper, stickers, markers, stamps, audio, video made mapping fun! :) 

Required less training & supervision 

Obtained out-of-band information 

Digitization makes knowledge credible 

Next release planned soon!
Drawings and Voices?
Thanks for all the fish!

DSC, Center for Cities & Schools, Kennedy High School, ISEEED, OUSD, Youth Uprising

Neil Patel, Sarah van Wart, Christy McCain, Joyce Tsai, Kuang Chen

Farmers of Gujarat and Youth of Richmond & Oakland!