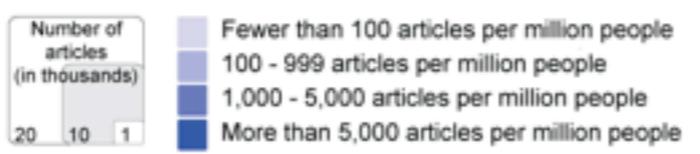
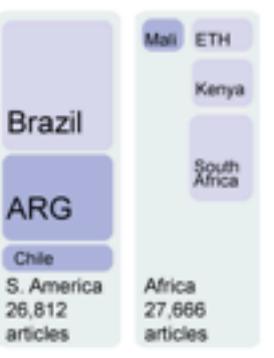
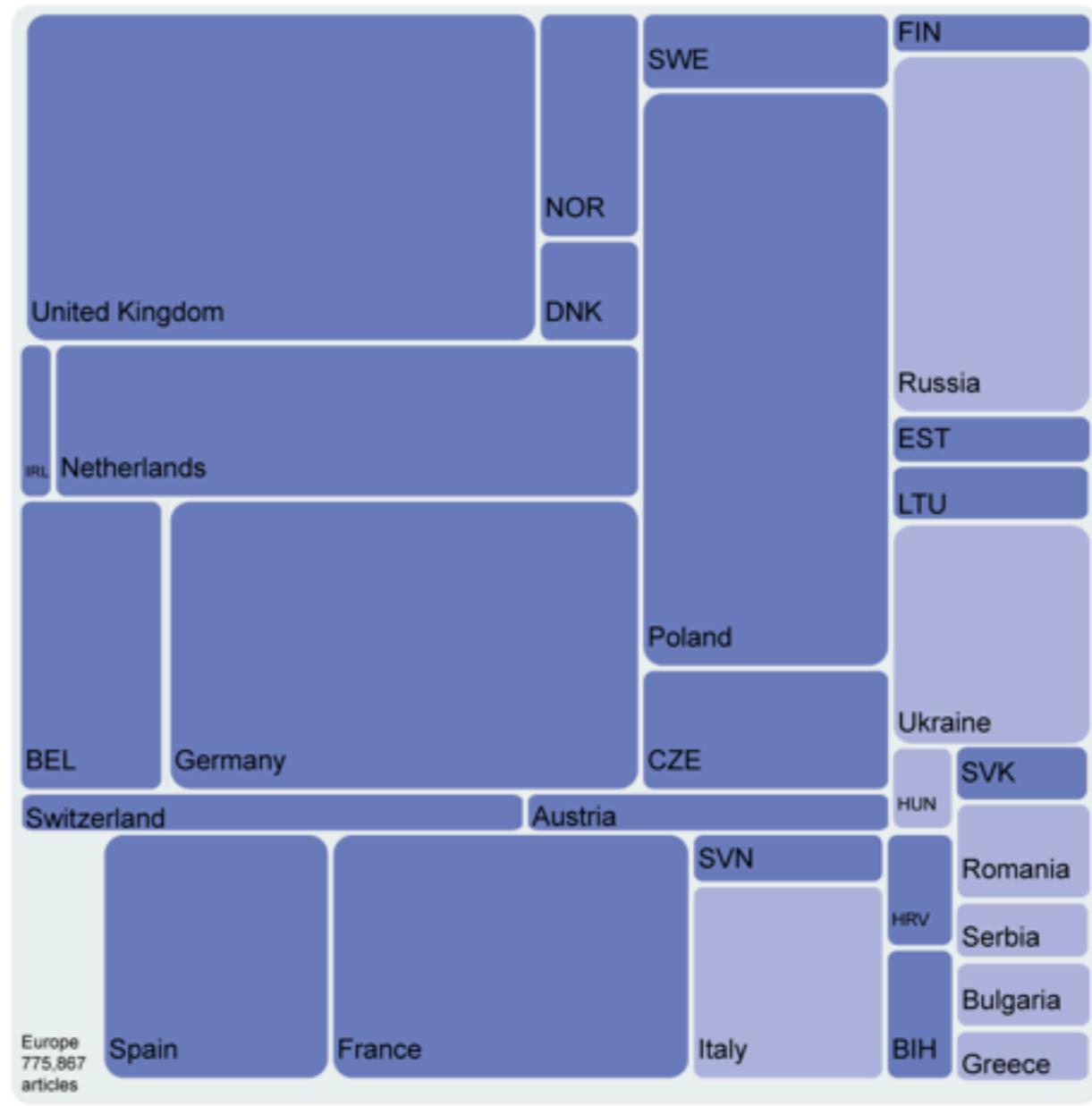


Designing a More Equitable Internet



The Distribution of all Wikipedia Articles

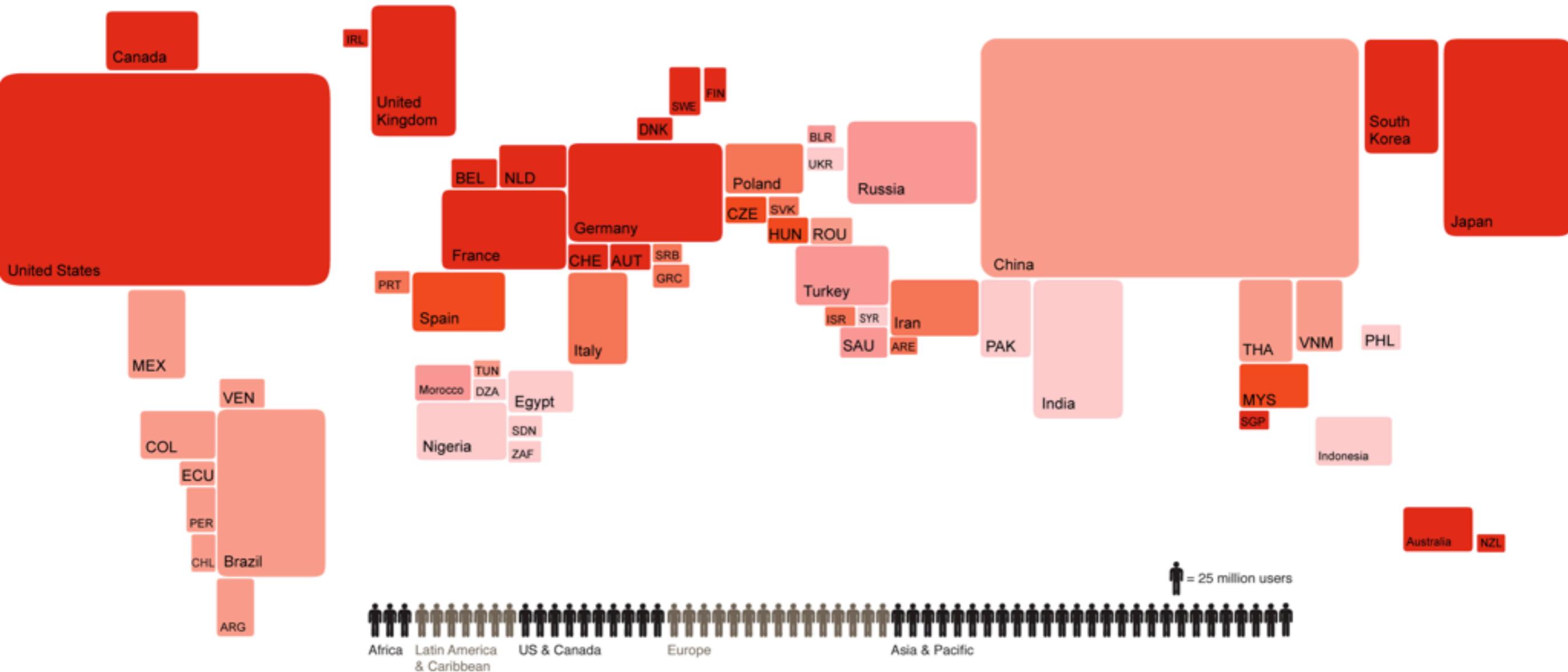
Visualization and analysis by Dr Mark Graham, Scott A. Hale and Monica Stephens in collaboration with Dr Corinne M. Flick and the Convoco Foundation.

Copyright © Oxford Internet Institute in cooperation with Dr. Corinne M. Flick and the Convoco Foundation 2011

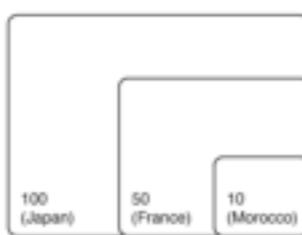
This map and other visualizations can be found on the OII visualization website at <http://www.oii.ox.ac.uk/vis/>

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Total number of Internet users (in millions), 2008



Internet penetration (% population)



Internet Penetration

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

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

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Inappropriate UIs exacerbate inequality

USERS

The diagram illustrates the relationship between users, access factors, and content/data. On the left, a light green arrow labeled 'USERS' points towards a central stack of five dark red rectangular boxes. These boxes, from top to bottom, are labeled 'ACCESS', 'DEVICE', 'LITERACY', 'LANGUAGE', and 'CULTURE'. To the right of this stack, a light green arrow labeled 'CONTENT / DATA' points towards the stack. The overall flow is from left to right, indicating that users interact with content/data through various access factors.

ACCESS

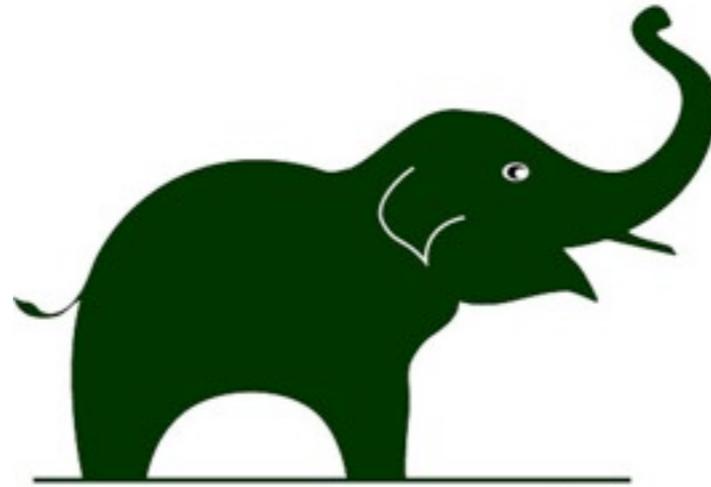
DEVICE

LITERACY

LANGUAGE

CULTURE

CONTENT / DATA



Awaaz . De

SOCIAL MEDIA



MAPS



FORMS

Awaaz.De

Give Voice



Photo: <http://assets.knowledge.allianz.com/>



Development Support Center (DSC)





Phone call to DSC's Aavaaj Otalo



You have reached Aavaaj 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





Forums

- Question and Answer
- Inbox**
- Approved
- Rejected
- Responses
- Upload

Forums

General Info_sks

Buying-Selling_sks

Other Features



Broadcasts

Date	User	Message		1 - 6 of 6
2011-04-07 16:44:23	1003			
2011-04-07 15:54:23	1003			
2011-03-10 04:13:30	1003			
2011-03-10 03:57:12	1003			
2011-01-01 03:41:44	1002			
2010-12-01 08:50:12	9723887815			

Message List

Caller Details

Number

Name

District

Taluka

Village

Thread

[1003 - 2011-04-07 16:40:39](#)

[Neil Patel \(1002\) - 2011-04-07 16:42:37](#)

[1003 - 2011-04-07 16:44:23](#)

[Neil Patel \(1002\) - 2011-04-07 16:46:05](#)

Crop

Topic

Assigned Responders:

- Neil Patel
- Paresh Dave
- Parina Samuel
- U.A. Parasara
- Manhar Patel

[Download](#)

Message Details

Question is tagged and forwarded

CALL

CALL

Caller Details

Number

Name

District

Taluka

Village

Thread

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

Upload Response

Crop

Topic

Assigned Responders:

Manhar Patel
Bharat Rajgor
Bharat Patel
Sawani
Borad

CALLER

EXPERTS

Expert receives call with question(s)



Hello! Farmer “Vivek”
has asked:

<question>

- Press 1 to listen
- Press 2 to respond
- Press 3 to forward

Farmer receives call with answer



Hello! "Vivek" asked:

<question>

The response is:

<answer>

- Press 1 to respond.
- Press 2 to listen again.

Good advice broadcast to all cotton farmers

Recipients

Numbers:

Users by Tag:

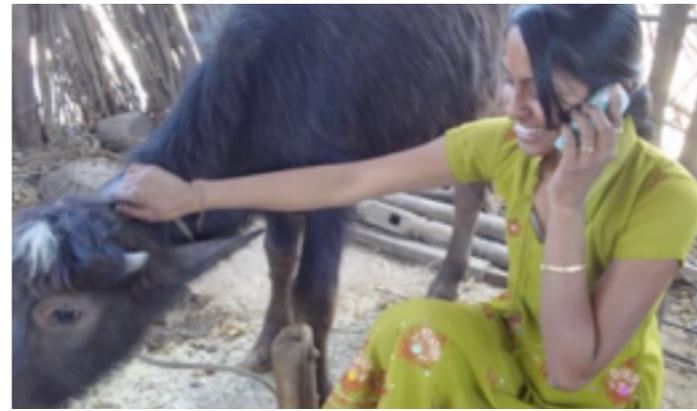
- Cotton
- Wheat
- Cumin
- Castor
- Mustard

Last 300 callers since

Template

Schedule

Cancel Send



An "audio" discussion takes shape

Caller Details	Thread	Crop <input type="text" value="Cotton"/>	Download
Number <input type="text" value="273"/>	Vivek (958) - 2010-08-08 12:59:51	Topic <input type="text" value="Diseases"/>	
Name <input type="text" value="Natu"/>	Bharat (942) - 2010-08-09 20:05:42	Assigned Responders:	
District <input type="text" value="Rajkot"/>	Natu (273) - 2010-08-12 20:15:09	Neil Patel	
Taluka <input type="text" value="Wankaner"/>	<input type="button" value="Upload Response"/>	Paresh Dave	
Village <input type="text"/>		Parina Samuel	
		U.A. Parasara	<input type="button" value="Save"/>
		Manhar Patel	

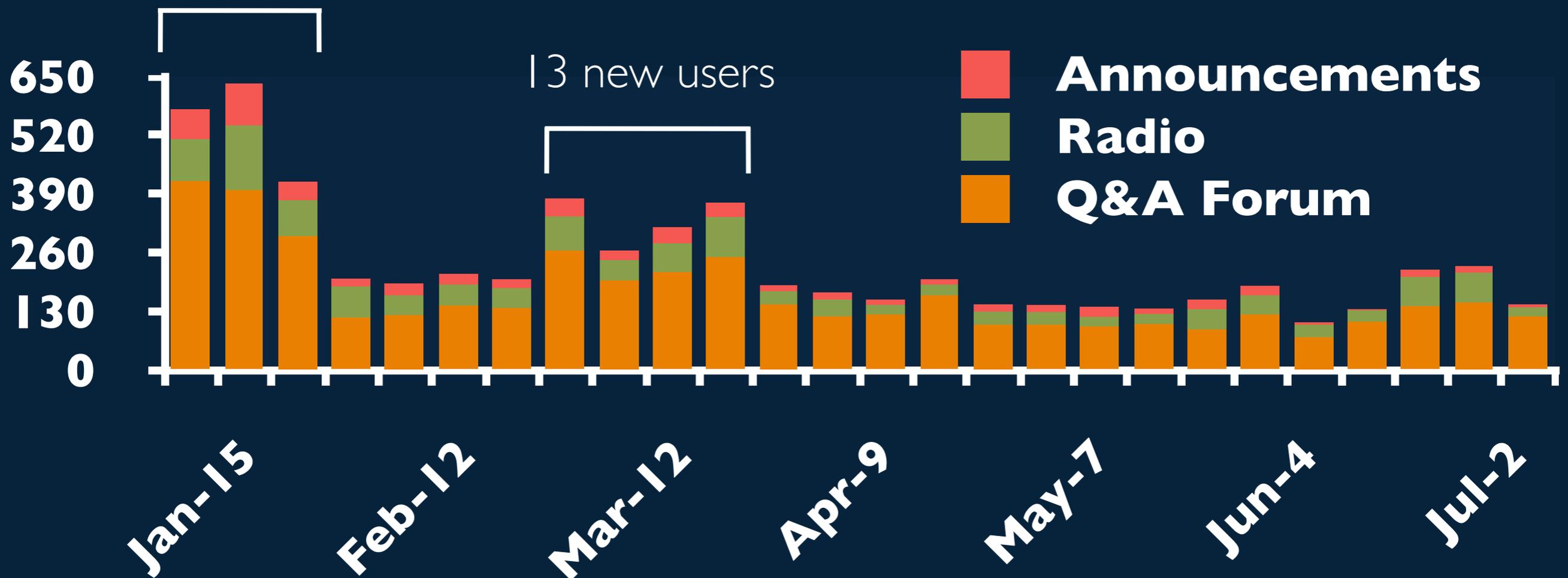
↑
ANOTHER RESPONSE

Pilot deployment with DSC



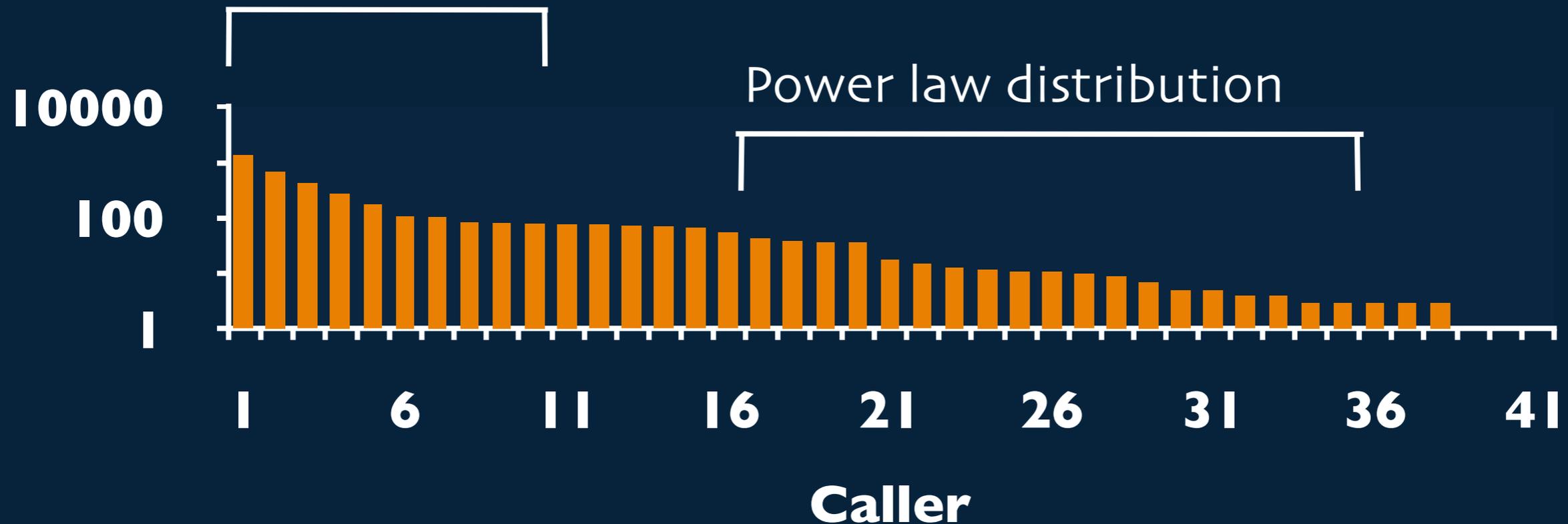
- Dec '08 to July '09 (8 months)
- 63 farmers across Gujarat
- No formal education to college
- All males aged 18-60

Novelty effect



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

Top ten callers = 80% of calls

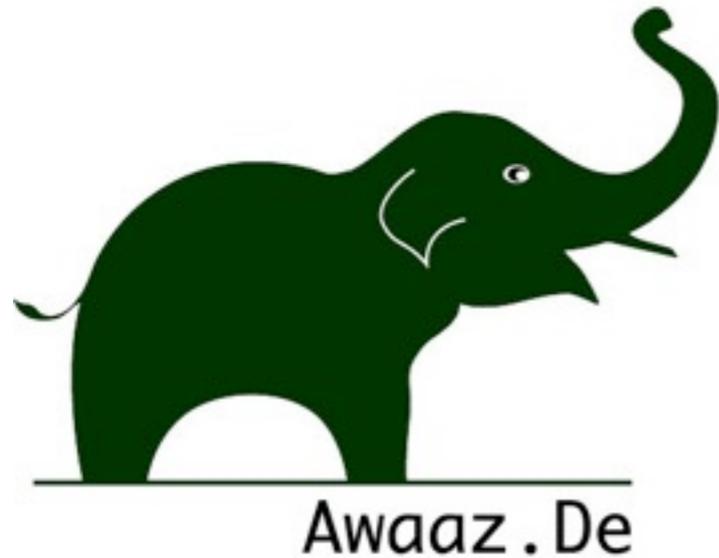


Top 3 callers

- 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+**

digital**GREEN**

जतन jatan

123
GALLI GALLI SIM SIM.

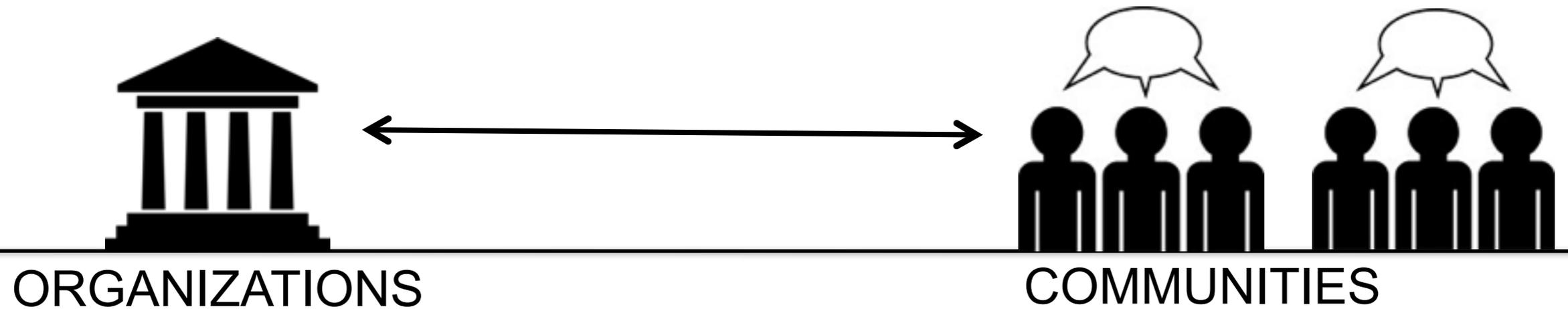
 **IFMR**
Research | CENTRE FOR
MICRO FINANCE

dsc
Development
Support
Centre


AKRSP
A project of
Aga Khan Foundation

LaborVoices

Awaaz.De connects...



QUESTION AND ANSWER

VOICE FORUMS

ANNOUNCEMENTS

PHONE SURVEYS

ANALYTICS

CONTENT CURATION

Applications across India

AGRICULTURAL EXTENSION

LABOR RIGHTS

YOUTH AWARENESS

EDUCATION

HUMAN RIGHTS

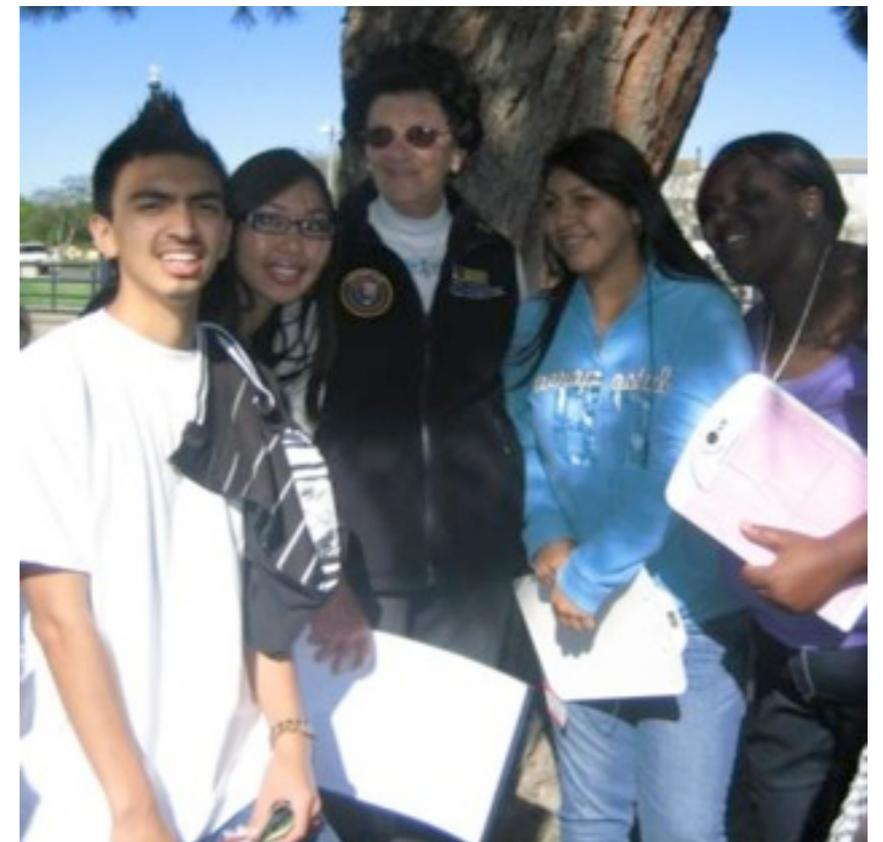
Applications across India





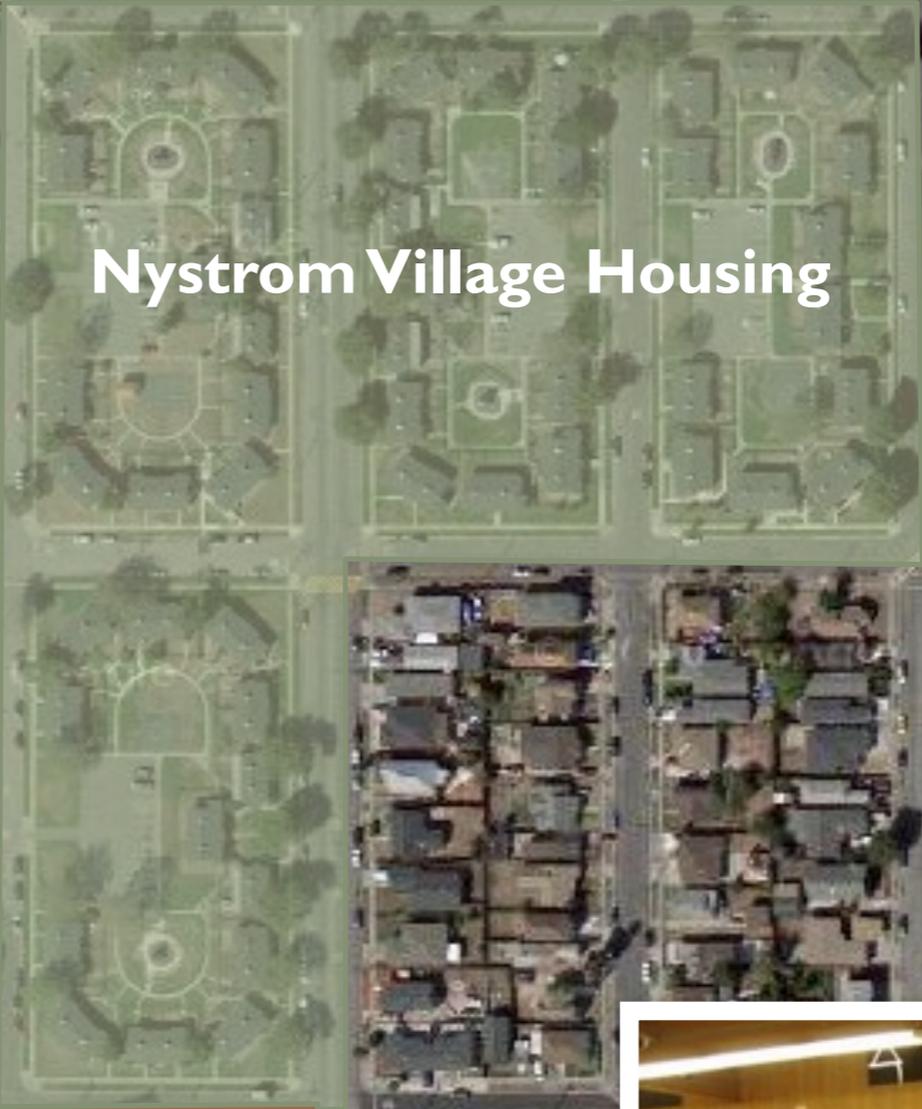


 **-PLAN**





Maritime Center



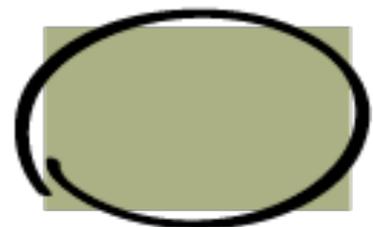
Nystrom Village Housing



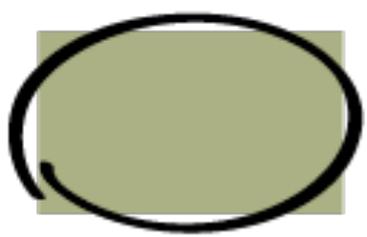
Nystrom
Elementary



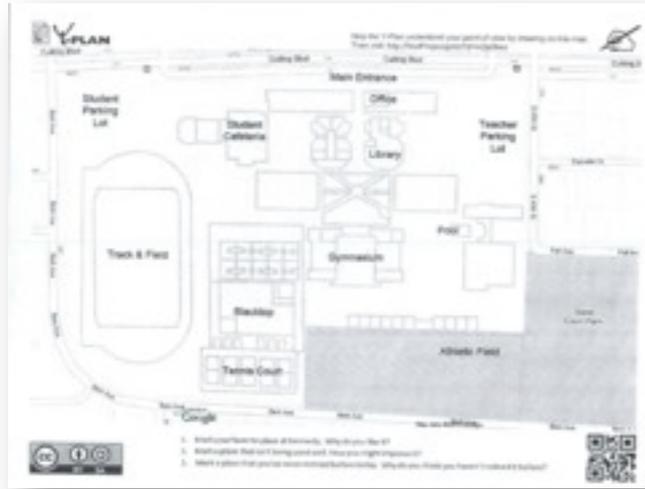
Martin Luther King Jr. Park



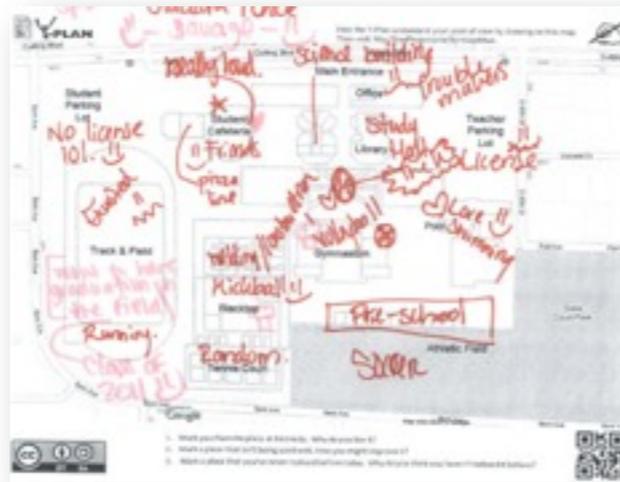
NURVE (Nystrom Urban ReVitalization Effort)



LocalGround.org



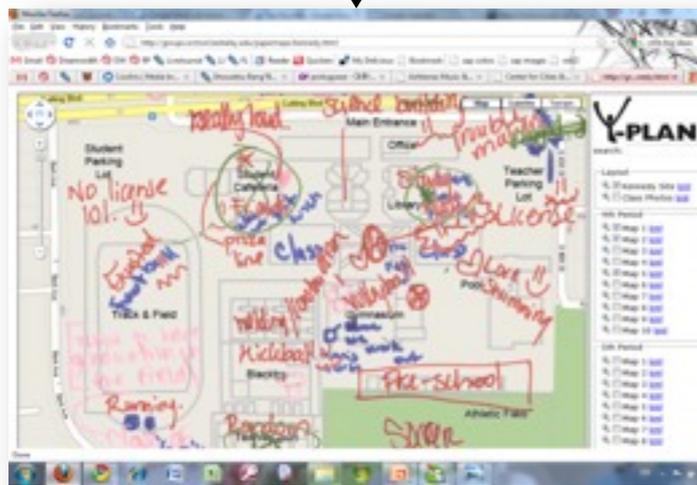
1. Print



2. Annotate



3. Scan or photograph



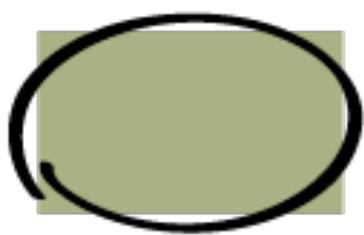
4. Upload



5. Edit



6. Visualize



Print Bar-Coded Paper Map

Print a Bar-Coded Map

[View](#) | [Print](#) | [Upload](#) | [Admin](#)

1. Search

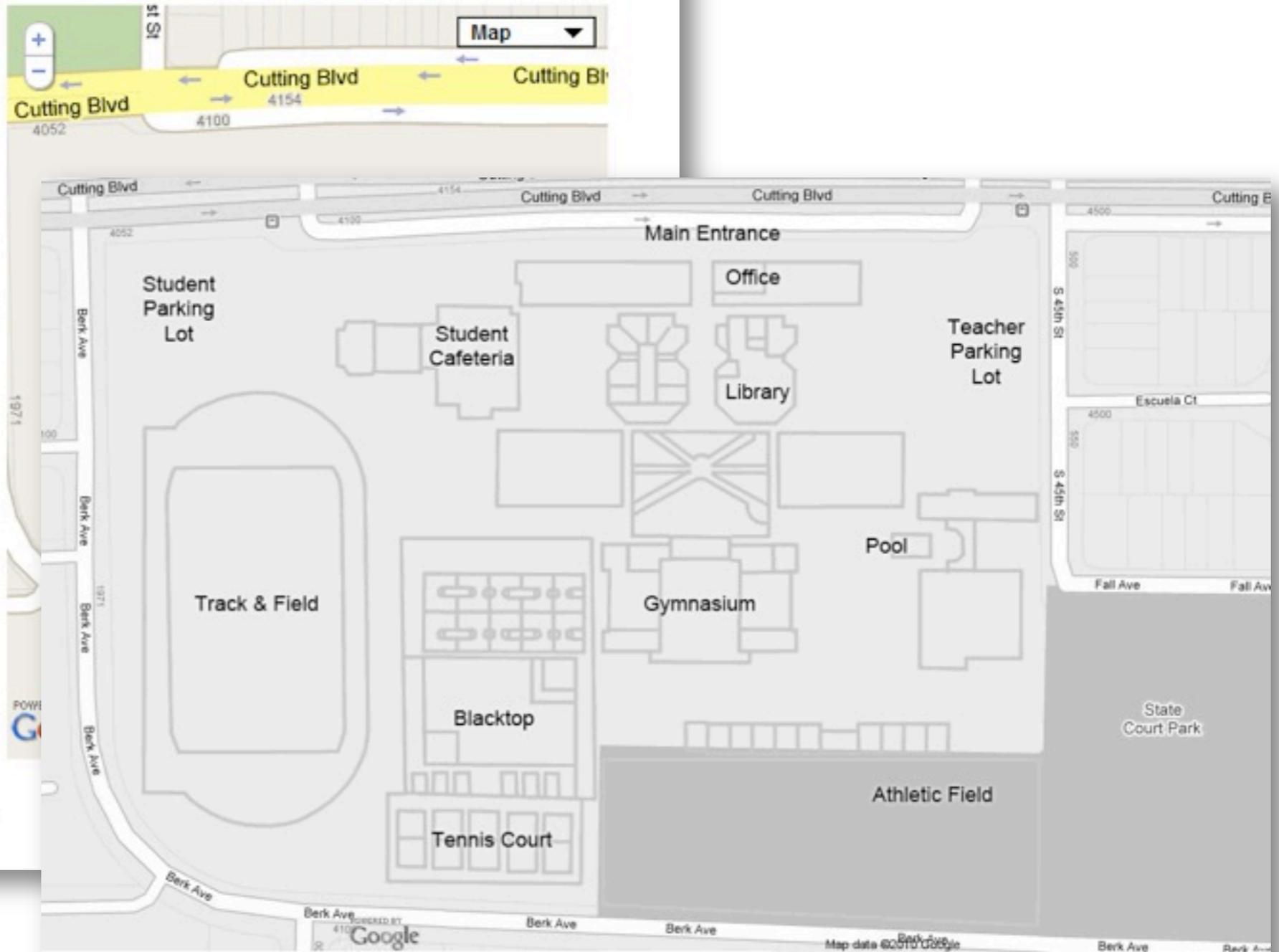
2. Print

Landscape
 Landscape + Margin
 Portrait
 Portrait + Margin

3. View Results

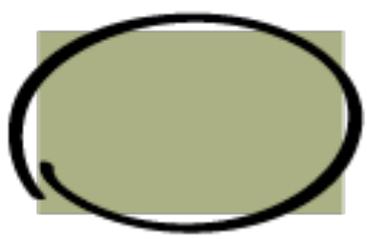


- [Map Image](#)
- [KML File](#)
- [Print PDF](#)



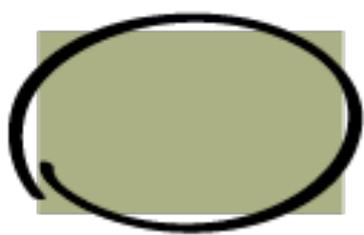
1. Mark your favorite place at Kennedy. Why do you like it?
2. Mark a place that isn't being used well. How you might improve it?
3. Mark a place that you've never noticed before today. Why do you think you haven't noticed it before?





Scan or Photograph





Upload and Add Media

Upload Your Map

[View](#) | [Print](#) | [Upload](#) | [Admin](#)

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.

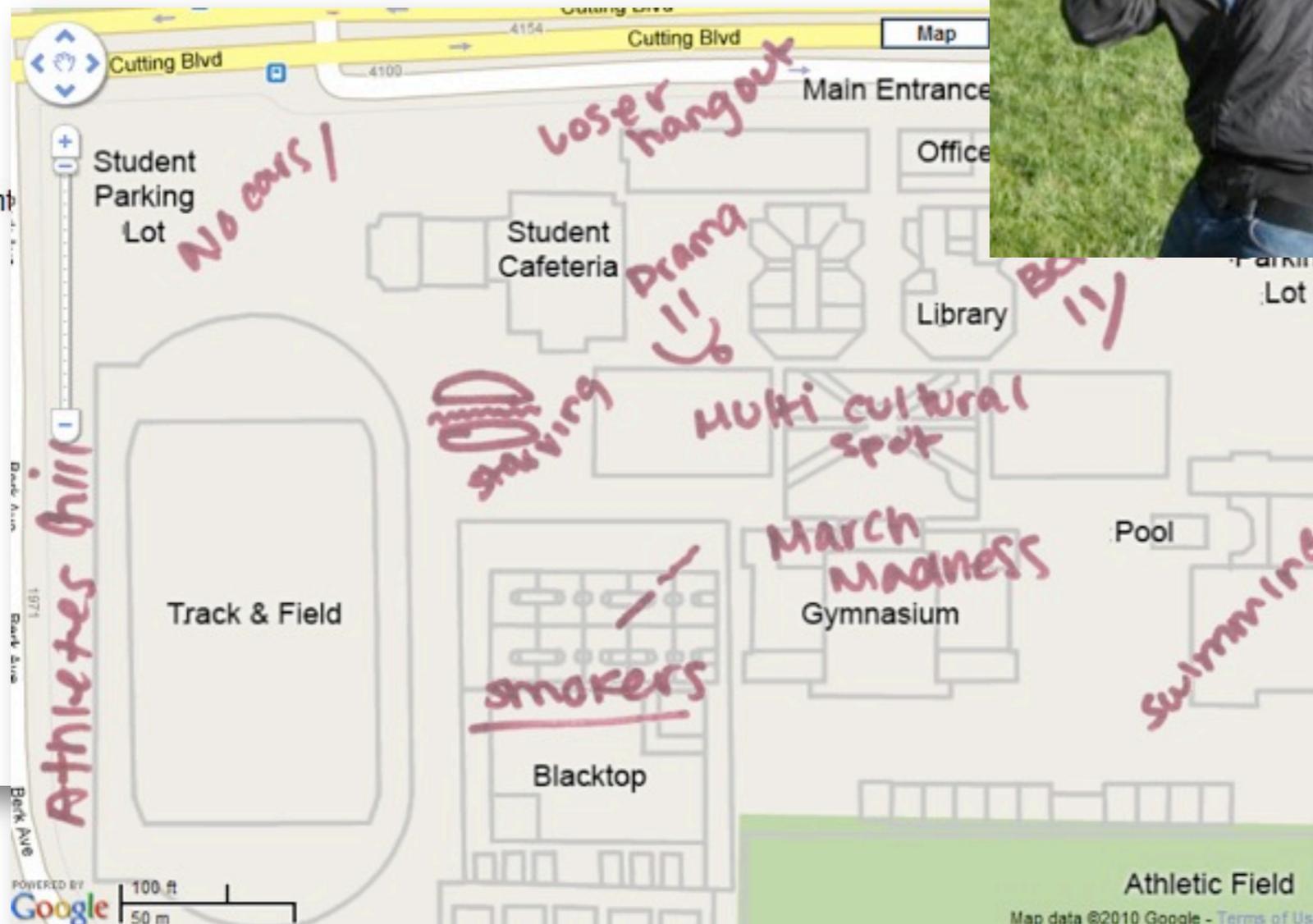
Name:

Group:

Mapping Event:

Description:

Upload File:



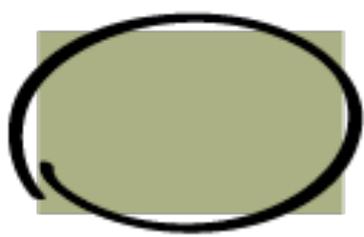
Enter a tag...

4th Period

- Map 1
- Map 11
- Map 12
- Map 13
- Map 14
- Map 16
- Map 18
- Map 19
- Map 9

5th Period

- Map 1
- Map 2
- Map 3
- Map 4
- Map 5
- Map 6
- Map 7
- Map 8



Edit and Group Data

The screenshot displays a Google Maps interface with several key elements:

- Map:** A street view of Kennedy High School with handwritten red annotations. A red box highlights a building with the text "Fun memories". Another red box highlights a sign that says "Cool PPL" with "food" written below it. A third red box highlights a sign that says "The K" with an arrow pointing left. Other red text includes "have learning experience" and "NO PARKING".
- Information Window:** A white dialog box is open over the "Cool PPL" annotation. It contains:
 - Name:** Gathering Space
 - Description:** "Cool PPL"
 - Tags:** lunchtime, food
 - Buttons:** Save Overlay, Delete Overlay
- Layers Panel:** A vertical panel on the right shows a list of layers:
 - 1 Gathering Space
 - 2 The "K"
 - 3 Track
- Map Controls:** Top left shows navigation icons (compass, pan, zoom, street view). Top right shows map style options: Map, Satellite, Terrain.
- Map Data:** Bottom left shows "POWERED BY Google" and a scale bar. Bottom right shows "Map data ©2010 Google" and a "Terms of Use" link.
- Data Management Panel:** At the bottom, there are two dropdown menus: "Kennedy High School" and "5th Period". Below them is a row of five thumbnail maps:
 - Thumbnail 1: 0 features
 - Thumbnail 2: 0 features
 - Thumbnail 3: 0 features
 - Thumbnail 4: 3 features (highlighted with a purple border)
 - Thumbnail 5: 0 features

Visualize and Present

Map | Satellite | Hybrid | Terrain

NURVE Project

Local Ground

Enter a tag...

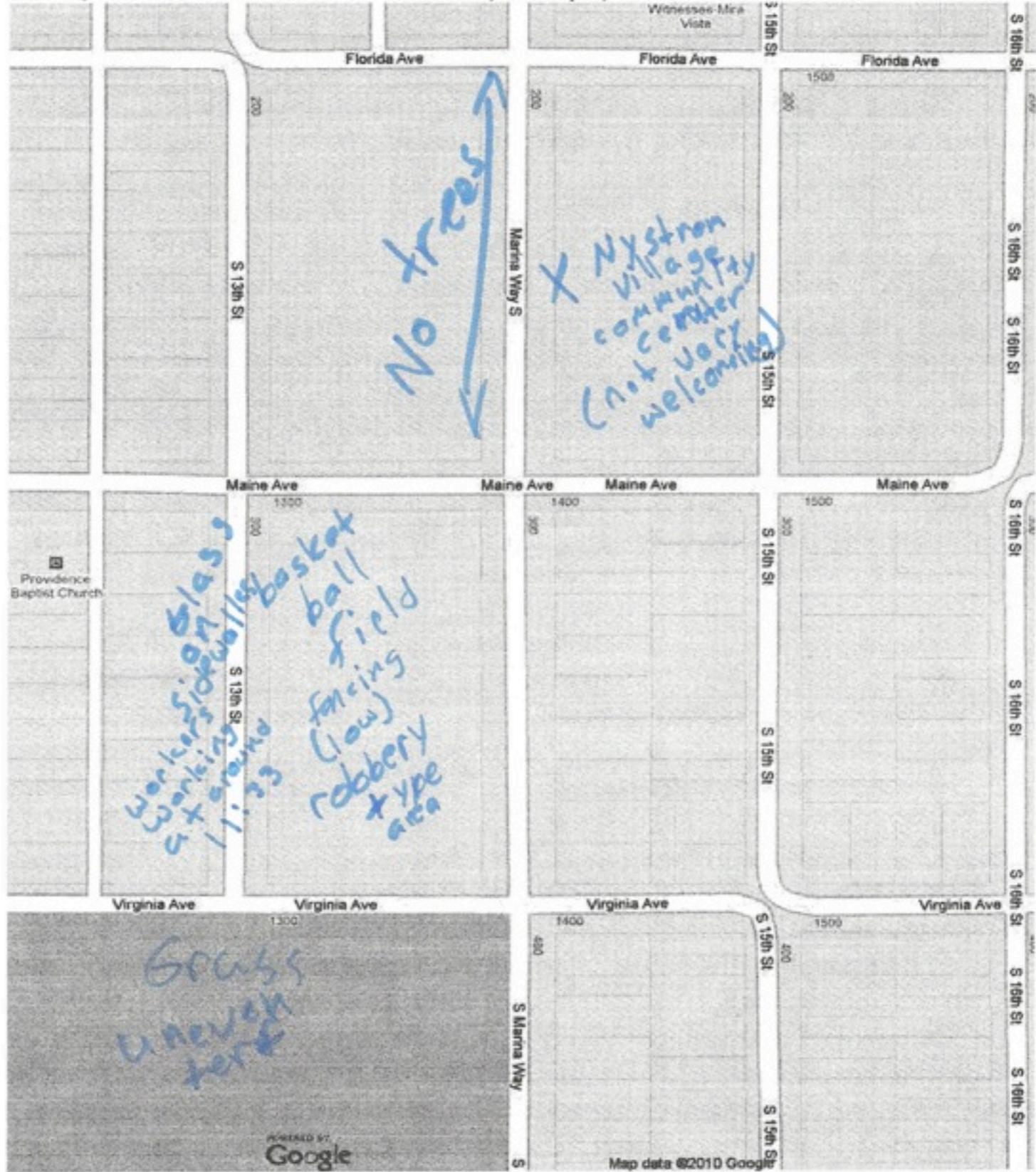
- General**
 - Student Photos
- Nystrom Village Visioning**
 - 4th Period: Group 1
 - 4th Period: Group 2
 - 4th Period: Group 3
 - 5th Period: Group 1
 - 5th Period: Group 2
 - 5th Period: Group 3
- Nystrom Walk - 4th Period**
 - Map 1
 - Map 2
 - Map 3
 - Map 4
 - Map 6
 - Map 6
- Street Light Mapping**

Map data ©2010 Google





Help the Y-Plan understand your point of view by drawing on this map.
Then visit: <http://finalProject/print?id=ch32rskb>



Need benches

X Nystron
village
community
not very
welcoming

trash every
where



my house
1500' RIK.

liquor

No trees



fencing
(low)
robbery
x type
area



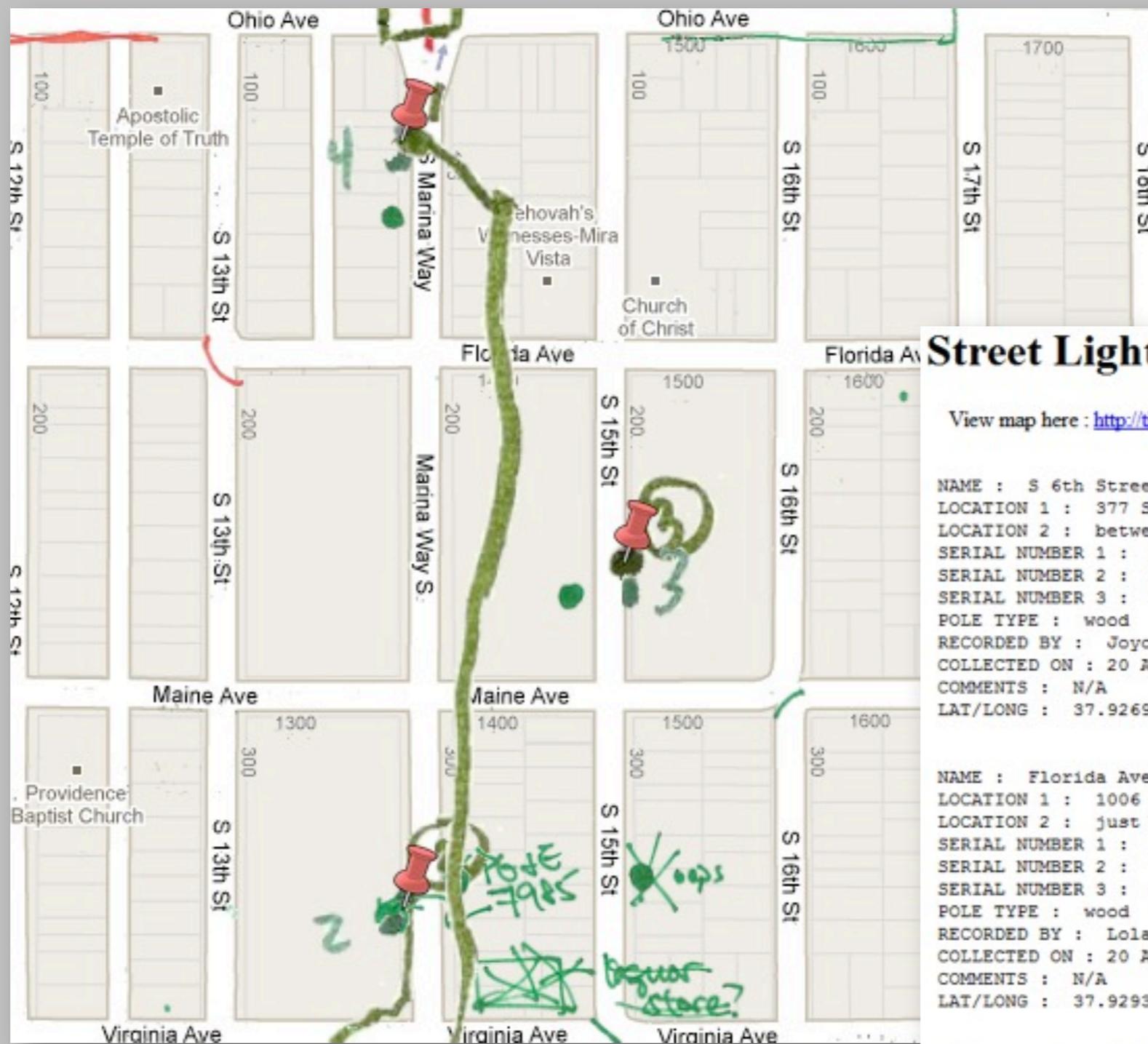
Nystron
community

looks like
crack house

Today's
House

1400
300
asly houses
on every
house

5/20/19



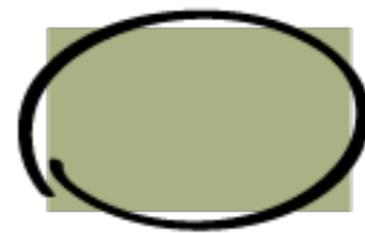
Street Light Outages

View map here : <http://tinyurl.com/streetlight-outages-20>

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 : 37.92935400611216,-122.35983569

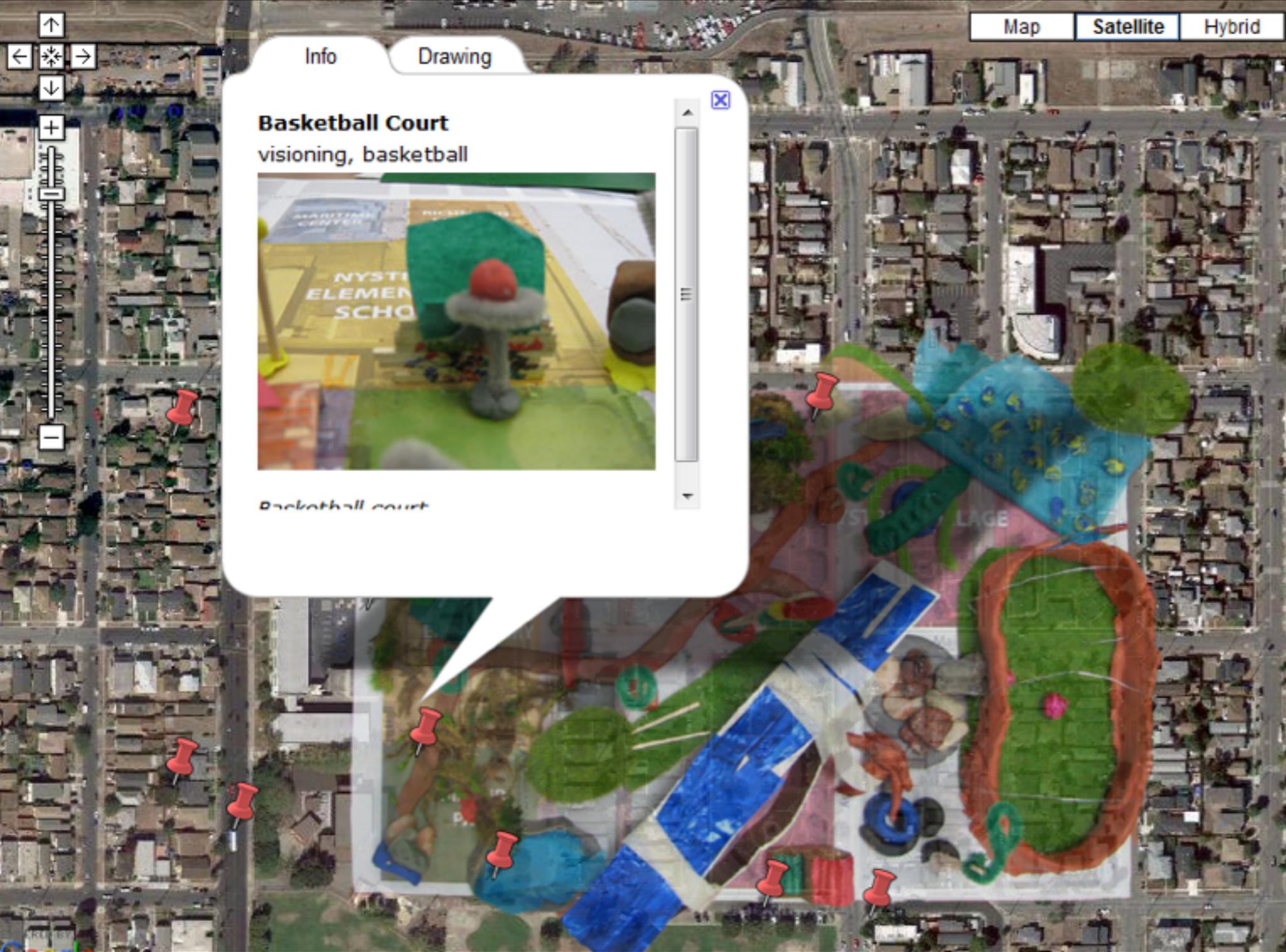
NAME : S Harbor Way
 LOCATION 1 : 350 S Harbor Way
 LOCATION 2 : between Maine Ave and Virginia Ave
 SERIAL NUMBER 1 : 110233293
 SERIAL NUMBER 2 : N/A
 SERIAL NUMBER 3 : N/A
 POLE TYPE : wood
 RECORDED BY : Sarah
 COLLECTED ON : 20 April 2010



Visioning a New Nystrom







Basketball Court
visioning, basketball



Basketball court

NURVE Project

Local Ground

visioning

- General**
 - Student Photos
- Nystrom Village Visioning**
 - 4th Period: Group 1
 - [Artistic Statue](#)
 - [Finishing Touches](#)
 - [Graffiti Wall](#)
 - [Landscaping](#)
 - [Presentations](#)
 - [Welcoming Gate](#)
 - 4th Period: Group 2
 - [Basketball Court](#)
 - [Landscaping](#)
 - [Skate Park](#)
 - [Statue](#)
 - [Swimming Pool](#)
 - 4th Period: Group 3
 - [Fun](#)
 - [Welcoming Gate](#)
 - [YMCA](#)
 - 5th Period: Group 1
 - 5th Period: Group 2
 - 5th Period: Group 3



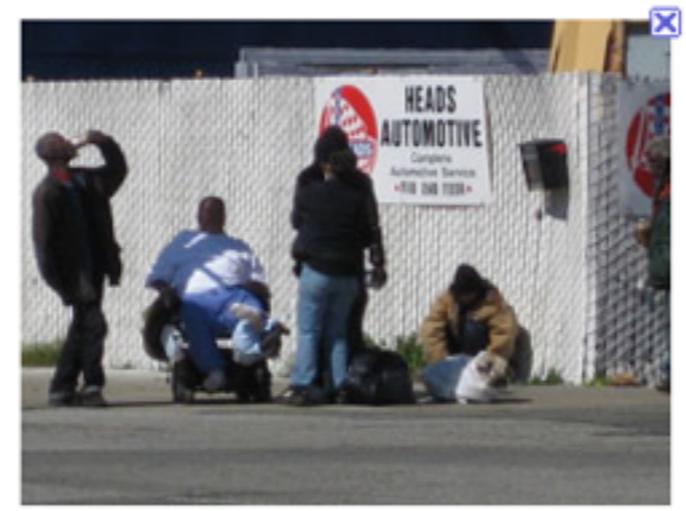
Map Satellite Hybrid

NURVE Project

Local Ground

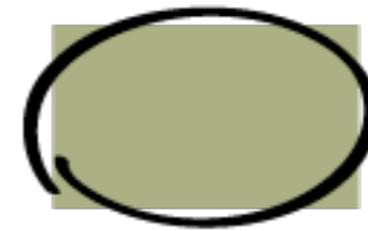
Enter a tag...

- 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 6
 - Map 6
- Street Light Mapping**
 - streetlights_20100420-1.jpg
 - streetlights_20100420-2.jpg
 - streetlights_20100420-3.jpg
 - streetlights_20100420-4.jpg



People on the corner, outside of the methadone clinic





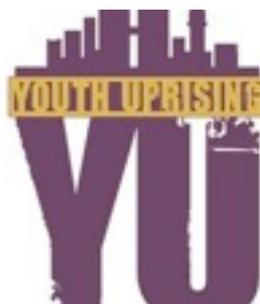
Engaging City Hall

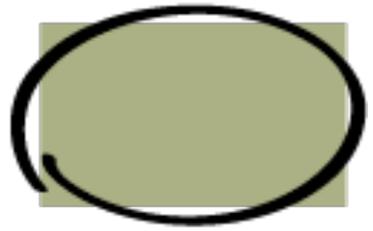


Pilot Locations



OAKLAND UNIFIED SCHOOL DISTRICT





Lessons & Status

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

Required less training & supervision

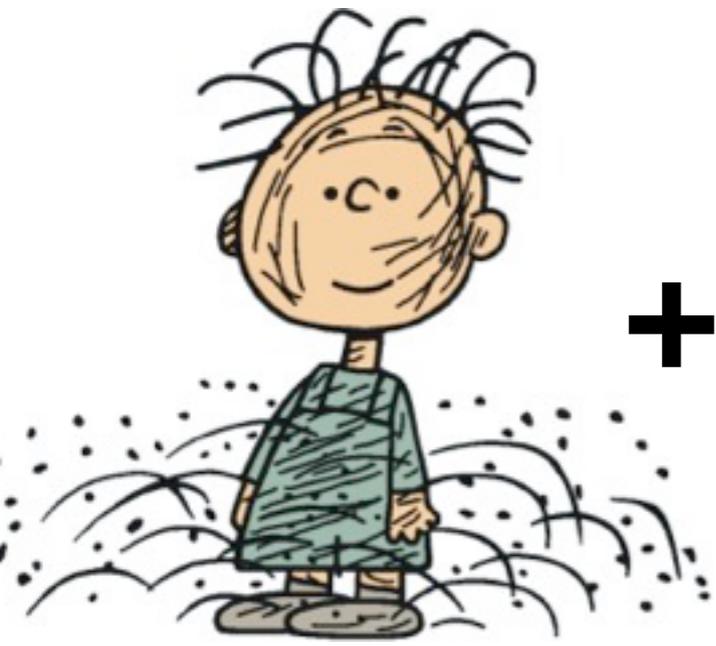
Obtained out-of-band information

Digitization makes knowledge *credible*

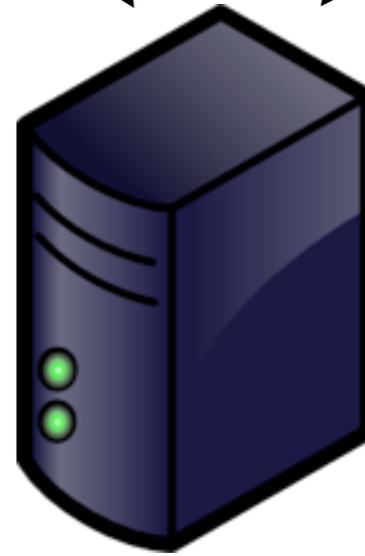
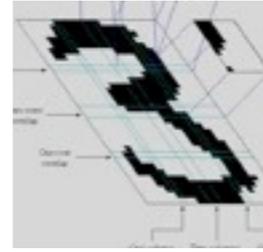
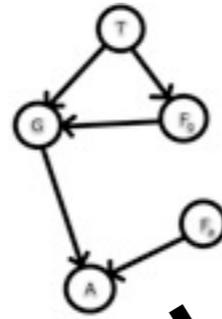
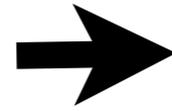
Next release planned soon!

Drawings and Voices?



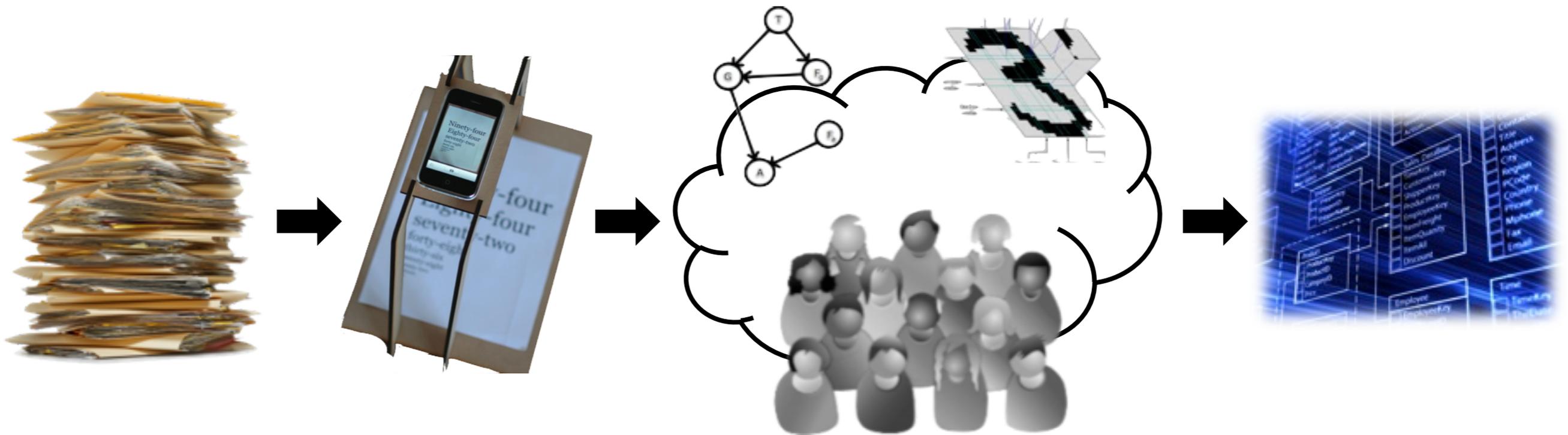


+



=





A group of people, including several Black men and women, are gathered around a table in a meeting room. They are looking at a large map or document spread out on the table. One man in the center is pointing at the map. The room has large windows in the background. The text 'LocalGround.org' is overlaid in a dark grey box at the top.

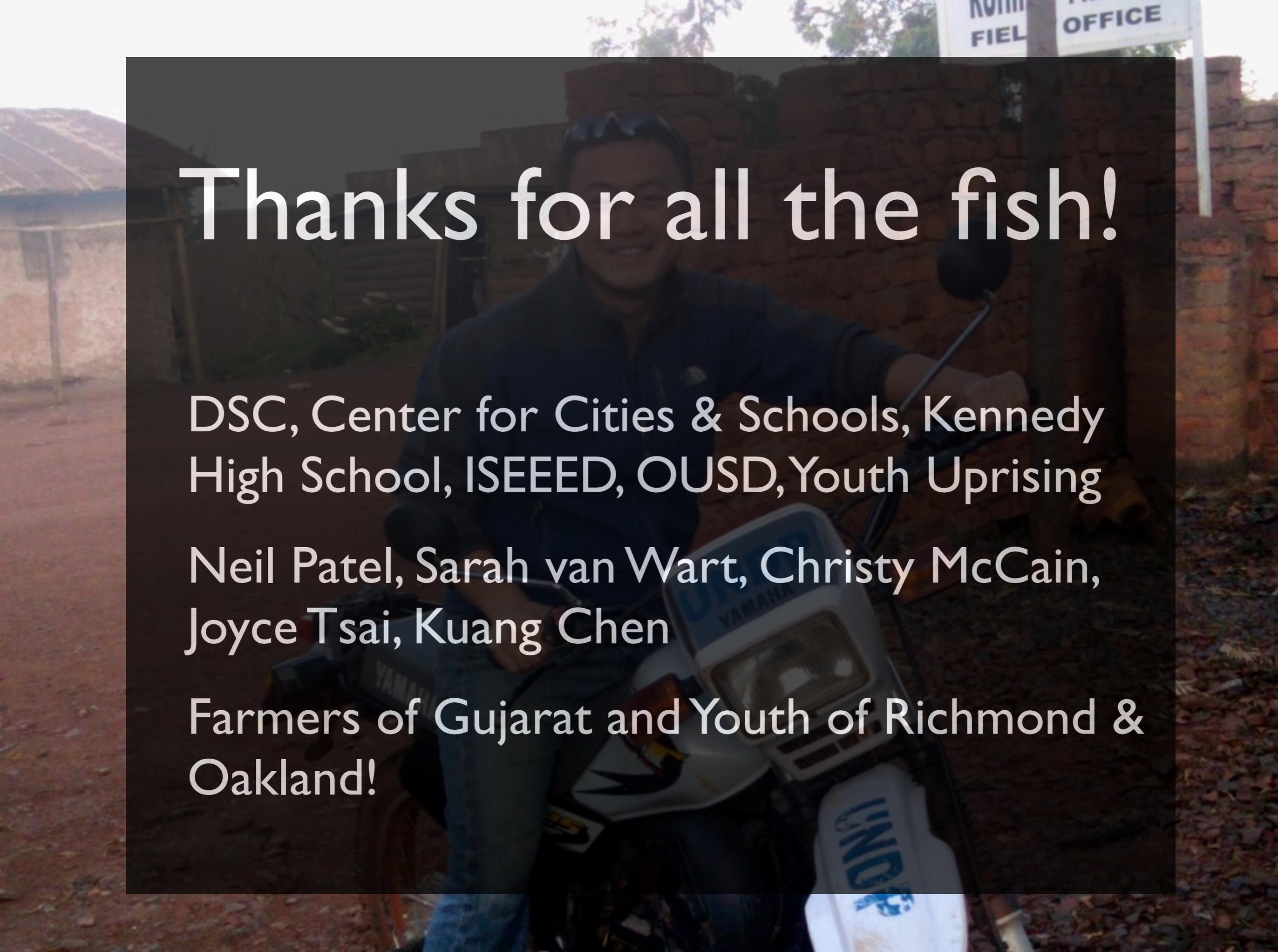
LocalGround.org

Awaaz.De

Captricity.com

Questions?

represent.berkeley.edu

A woman wearing a dark jacket and sunglasses on her head is sitting on a white Yamaha motorcycle. She is holding a microphone, suggesting she is speaking or recording. The motorcycle has 'YAMAHA' and 'UNDER' visible on it. The background is a brick wall with signs that say 'ROOM FIELD' and 'OFFICE'. The entire scene is overlaid with a semi-transparent dark grey box containing white text.

Thanks for all the fish!

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

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

Farmers of Gujarat and Youth of Richmond & Oakland!