

# 2012 INTERNATIONAL OPEN GOVERNMENT DATA CONFERENCE



## How USAID Crowdsourced Transparency

Stephanie Grosser

[sgrosser@usaid.gov](mailto:sgrosser@usaid.gov)

**Organized by the World Bank and Data.gov**

**Through risk sharing mechanisms, USAID's Development Credit Authority encourages local banks to lend to creditworthy but underserved sectors.**



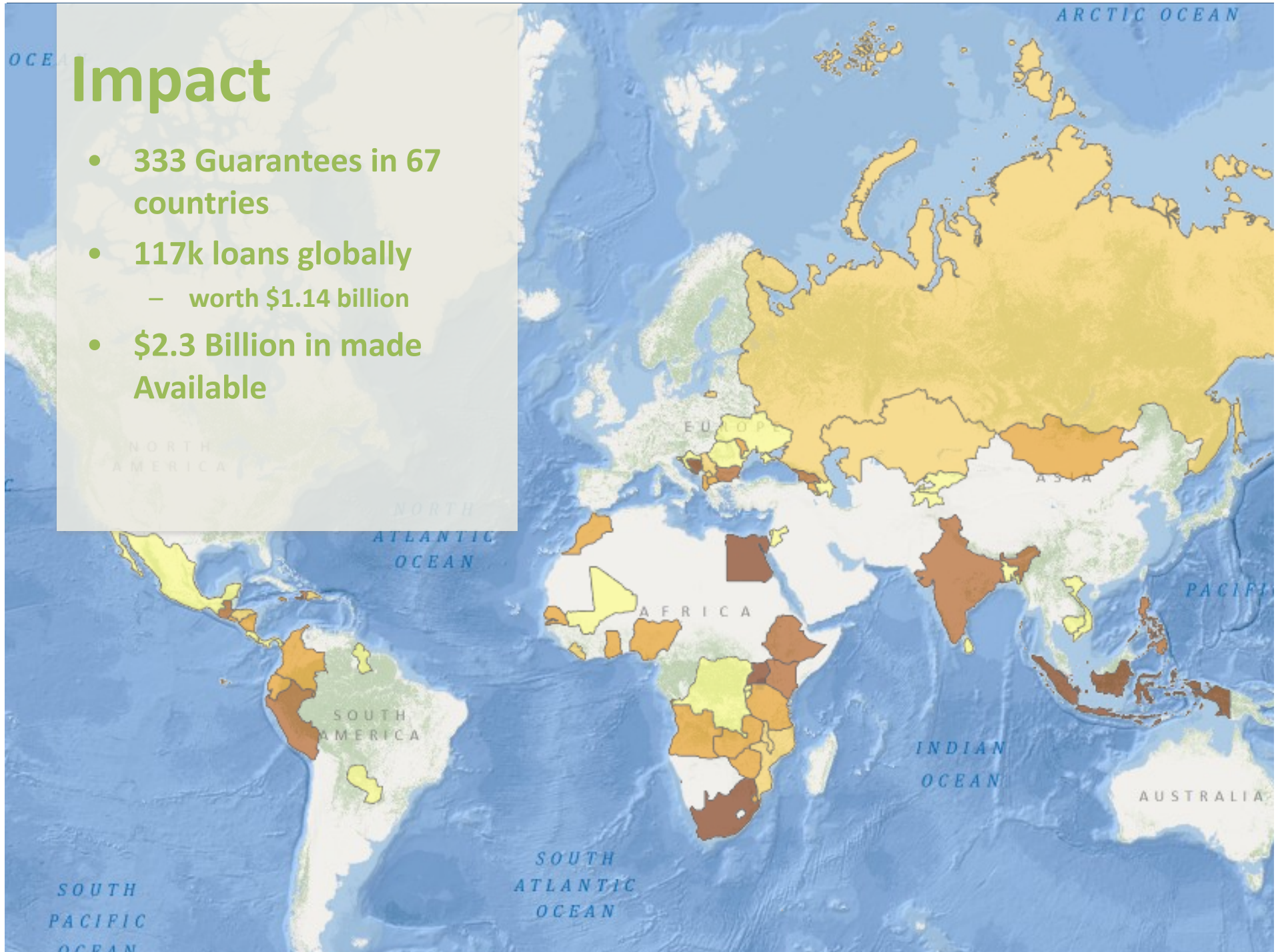
# Why map?

- Better Serving Entrepreneurs
- Targeted Lending
- Analyzing Transnational Impact
- Improved Partnerships



# Impact

- 333 Guarantees in 67 countries
- 117k loans globally
  - worth \$1.14 billion
- \$2.3 Billion in made Available



# The Problem

Country	Original Location
Vietnam	Mac Thi Buoï Vinh Tuy Ward, Hai Ba Trung Dist Ha Noi Viet Nam
Haiti	Port au prince
Haiti	Sud
Paraguay	### calle, campo ###

Status	Country	Original Location	Admin 1	Admin 1 Code	Place Name
Completed	Vietnam	Mac Thi Buoï Vinh Tuy Ward, Hai Ba Trung Dist	Ha Noi	VM44	Ha Noi
Completed	Haiti	Port au prince	Ouest	HA11	Port au prince
Completed	Haiti	Sud	Sud	HA12	Sud
Bad Data	Paraguay	### calle, campo ###	Null	Null	Null

# The Solution

- USAID Staff ?
- Contractor ?
- Crowdsourcing & Partnerships

USAID



# Policy Hurdles



- Free labor
- Non-Disclosure Act Compliance
- Releasing Publicly Identifiable Information
- Information Quality Act Compliance

# Technical Innovation



An Official Web Site of the United States Government

DATA.GOV  
EMPOWERING PEOPLE

HOME

« Home

You are not currently logged in. [Log in.](#)

**Rabble: Sign up to help!**

**USAID**  
FROM THE AMERICAN PEOPLE

**USAID Crowdsourcing Tool**

Place name or address:

You rock: You

- [Read the](#)
- [Make the](#)
- [relations](#)
- [waive at](#)

You are not logg

If you don't alre  
site, please [sign](#)

Admin: [Status](#) | [Loc](#)

▲ OID	Name	Admin 1	Country	Type	Description	Latitude	Longitude
0	Port-au-Prince	Ouest	Haiti	capital of a political entity	Port-au-Prince, Ouest, Haiti	18.53917	-72.335
1	Port-au-Prince	Ouest	Haiti	third-order admin division	Port-au-Prince, third-order admin division	18.51667	-72.31667



# Assembling the Crowd



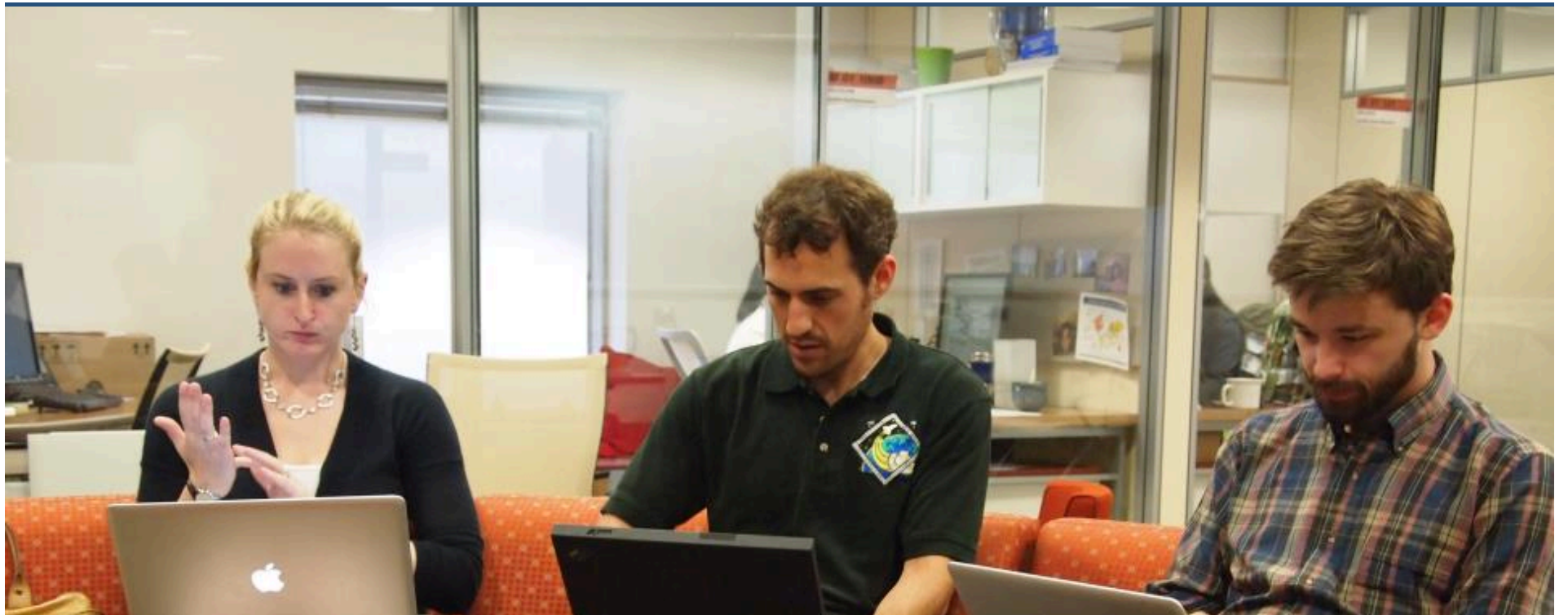
855 members globally  
Extensive experience in a variety of online mapping projects. Insanely passionate, highly caffeinated.



2,672 members globally  
Venerable volunteer group known for their professional expertise in GIS.



Jane & John Q: we wanted to meet them and get them excited about USAID and DCA.



# Crowd Motivation



- “I’m between jobs right now and this is a great opportunity for me to connect with people doing similar work as me in the DC area.” – **Dan, GeoDC**
- “I wasn’t sure what I was going to be doing but I appreciate what USAID does and wanted to help.” – **Stephanie, volunteer who works full time at National Defense University**
- “I haven’t felt like this since the soup kitchens and food drives I used to do in college. I love this.” --**Rick, GISCorps**

# Results



## Automated

- 107,000 records processed
- ~67,000 records with added ADM1
- 64% accuracy

## Crowdsourced

- ~10,000 records processed
- ~7,000 records with added ADM1
- 85% accuracy
- Completed in 16 hours by 145 volunteers

# Lessons



## **The Social Aspect Matters**

- Skype chat helped build community

## **Crawl- Walk- Run**

- Two test runs helped hone the workflow

## **No Cost Solution**

- Budgets are restrained so this was the only solution as it had zero cost

## **Publically Identifiable Information is not Insurmountable**

- A common ID allows for deleting and later merging back columns that cannot be shared

## **Database Problem**

- Anyone with a database that includes a location field should confirm that standardized geographic data is being collected

## **Understanding Why People Volunteer**

- People want to make a difference and connect. This mattered more than disclosing the exact nature of the data ahead of time.



- HOME
- INTERACTIVE DATASETS
- RAW DATA
- APPS
- GEODATA
- COMMUNITY
- METRICS
- OPEN DATA SITES
- GALLERY
- WHAT'S NEW

**USAID Development Credit Authority Guarantee Data: Utilization and Claims**

USAID's Development Credit Authority (DCA) works with investors, local financial institutions, and development organizations to design and deliver

[Manage](#)
[More Views](#)
[Filter](#)
[Visualize](#)
[Export](#)
[Discuss](#)
[Embed](#)
[About](#)

Fiscal Year	Guarantee Number	Guaranteed Percentage	Country	Guarantee Start Date	Guarantee End Date	Final Date for P
1	1999 49299G001	30%	Philippines	09/15/1999	09/30/2014	09/30/2008
2	1999 674-A99-DCA-001	50%	South Africa	09/30/1999	09/26/2006	03/30/2006
3	1999 674A99DCA02	50%	South Africa	09/30/1999	06/30/2004	01/02/2004
4	2000 5200425DCA01(Terminated)	50%	Guatemala	03/01/2000	09/20/2007	03/24/2007
5	2000 DCAG00000000100	50%	Bulgaria	11/24/1999	09/30/2010	06/30/2010
6	2001 115C-00-01-00025	50%	Kazakhstan	08/10/2001	08/16/2005	02/17/2005
7	2001 183-2000-02A	50%	Bulgaria	09/10/2001	09/10/2008	03/14/2008
8	2001 523DCAA00010001000	50%	Mexico	02/21/2001	06/11/2004	12/14/2003
9	2001 523DCAA00010001100	50%	Mexico	02/21/2001	02/21/2004	08/25/2003
10	2001 688DCAE205974	50%	Mali	09/27/2001	09/30/2009	03/31/2009
11	2002 121-DCA-00-02-00011-00	50%	Ukraine	09/27/2002	09/27/2007	03/31/2007
12	2002 386DCA-02-0547	50%	India	02/04/2002	12/20/2017	06/23/2017
13	2002 522-DCA-2002-001	50%	Honduras	08/29/2002	08/29/2009	03/02/2009
14	2002 527-0400	50%	Peru	09/29/2002	09/29/2009	04/02/2009

**Export**

To start accessing this dataset programmatically, use the API endpoint provided below. For more information and examples on how to use the Socrata Open Data API, reference our Developer Documentation.

**API Access Endpoint:**

```
http://explore.data.gov/api/views
```

**Column IDs:**

Fiscal Year	11623734
Guarantee Number	11623735
Guaranteed Percentage	11623736
Country	11623737

2012 INTERNATIONAL OPEN GOVERNMENT DATA CONFERENCE



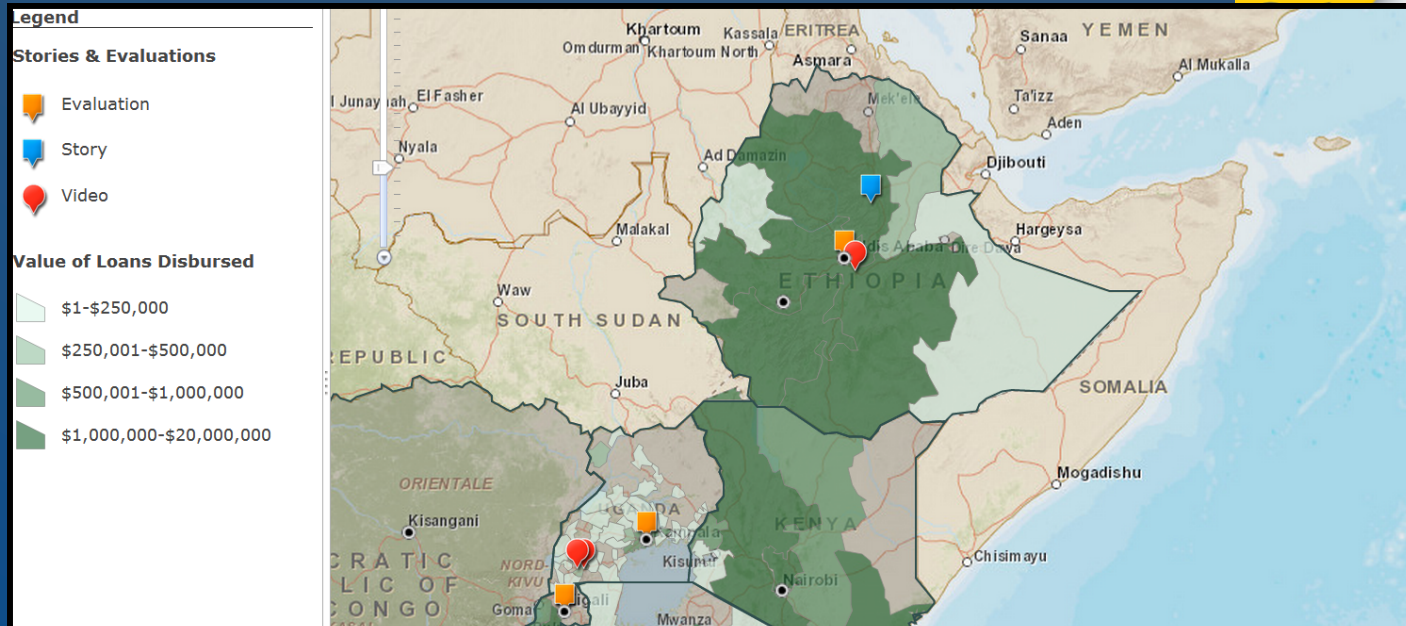
# Crowdsourcing to Geocode Development Credit Authority Data: A Case Study



2012 INTERNATIONAL OPEN GOVERNMENT DATA CONFERENCE

# Finished Products

0110  
011



- This is just the beginning.
- Host ideation jams to do more with the data
- Not just a one-off. The map will be updated.
- Excited to see how lives are improved from the data release

Links at: <http://www.usaid.gov/results-and-data/progress-data/data/dca>

Map at: <http://storymaps.esri.com/stories/usaidcredit/>