

# 2012 INTERNATIONAL OPEN GOVERNMENT DATA CONFERENCE



Macro Meets Micro:  
From Open Data to Inclusive Participation

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# To what extent can open data facilitate inclusive, participatory governance?



*Open data reduces information asymmetries and facilitates collaboration*



[http://wbi.worldbank.org/wbi/Data/wbi/wbicms/files/drupal-acquia/wbi/imagecache/Story400x264/pradhan\\_odugbemi\\_feat\\_0.jpg](http://wbi.worldbank.org/wbi/Data/wbi/wbicms/files/drupal-acquia/wbi/imagecache/Story400x264/pradhan_odugbemi_feat_0.jpg)



<http://i.zdnet.com/blogs/information-silos-and-it-governance-failure.jpg>

*BUT...it doesn't address incentives nor ensure inclusive participation*

**Possibilities & Limitations**

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Source: "Can Technology Amplify Citizen Voices?". Custer, Gigler, Rahemtulla, Gagieva and Bailur (2012), adapted from Custer, Novin and Palumbo (2011).

# Open data may facilitate new channels of collaboration with citizens...



*To inform budget priorities in Brazil and DRC*

**Orçamento Participativo Digital 2008** PREFEITURA BH  
A PREFEITURA FAZ, BH ACONTECE.

Votação 2008 | OP 15 Anos | OP Digital 2006 | Debates | Notícias

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**Vote 2008 > Final**

**Final**

**Congratulations Belo Horizonte the spectacular participation, with over 120,000 votes!**

	Internet	Phone	Total
Jose Candido Silveira Av / Av Andradas	10,442	1298	11,740
I with Av Av Pedro Portugal	17,383	1999	19,382
Tereza Cristina Avenue with Ring Road	9570	954	10,524
South Gate / Belvedere	33,008	927	33,935
<b>Square Ring Road to St. Vincent</b>	<b>42,434</b>	<b>6305</b>	<b>48,739</b>

Total votes accumulated  
**124,320**

Internet: 112,837 votes (90.76%) | Phone: 11,483 votes (9.24%)

DescubraBH! Conheça as obras e a cidade de uma maneira diferente e divertida! | QuizBH! Mostre que você conhece BH!

Sources: opdigital.pbh.gov.br; World Bank, On Track (2012)

**On Track - Fadama III - P13760**  
Sanglo, Nigeria

207 Total Responses Collected in Nigeria

Join The Conversation

**What should I expect during the final stages of construction?**  
This East Sanglo Poultry Farming project (Project Type CAP, Poultry sub sector of Livestock) hopes to achieve the following objectives:  
To improve household incomes through commercial indigenous poultry farming

**The poultry farm has brought my family and I great opportunities and we are very grateful, thank you.**

*To provide feedback on World Bank funded projects.*

*Possibilities*

But the cost-benefit calculus of citizens participating must also be addressed.



Decrease costs to participate



Increase benefits of participating

Source: "Can Technology Amplify Citizen Voices?". Custer et al (2012), adapted from Custer, Novin and Palumbo (2011); [www.cfr.org](http://www.cfr.org); [wbi.worldbank.org](http://wbi.worldbank.org)

*Limitations*

# 1. Adopt a “systems approach” to participation around open data.



## Purpose

- Why are people participating? To what end?

## People

- Who is participating and in what roles?

## Process

- How are people participating?

## Tools

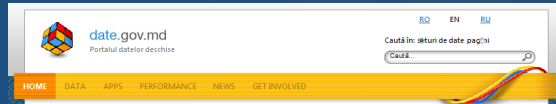
- How will ICTs and open data fit with other forms of citizen engagement?

## Environment

- What forces are likely to constrain or enhance participation?

*Recommendations*

## 2. Leverage micro data from citizens.



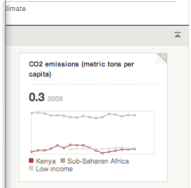
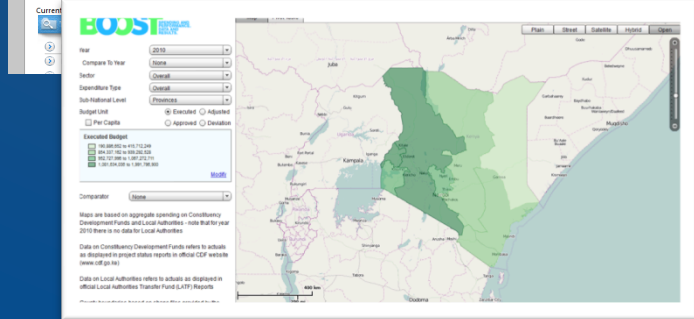
*Not just this...*



Welcome to the open data governmental portal. Here you can search, download and reuse open government data to enhance transparency, performance and responsiveness of public institutions. Open data is the data provided by public authorities in the machine readable form at the disaggregated level. However, they do not contain personal information, trade secrets or state secrets.

Identification and publication of data sets of interest to citizens and businesses is one of the duties of public authorities. This practice will increase transparency of the public sector performance & responsiveness. Date.gov encourages active participation of citizens. You and all the citizens can promote and benefit from open data.

Country	By Topic	Indicators	Data Catalog	Microdata	Blog	News	About	For Developers	Products
Kenya									
Sub-Saharan Africa (developing only)									
Income level									
Low income									



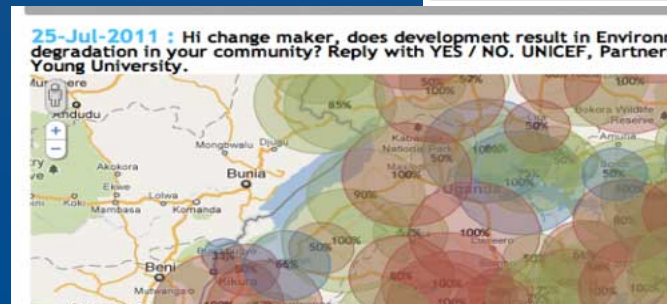
*But also this...*

Updates, as of today

<b>20</b> community volunteers	<b>100</b> new feedback reports
<b>75%</b> said textbooks are enough	<b>8,000</b> schools have GPS

## Recommendations

Source: "Open Data Bazaar: Crowdsourcing Solutions to Data Inaccuracy in Kenya." Custer, Rahemtulla, Brigham, Xu (2012)



**I PAID A BRIBE**  
AN INITIATIVE BY JANAGADIA

SMS your bribe report  
Type "Bribe city, department and amount" and send it to 58888

Home Tell Us Your Bribe Story Read Bribe Stories Blog Ask Raghu

**Bribed? Didn't Bribe? Victimized? Angry?**  
REPORT YOUR BRIBE ANONYMOUSLY

Tell us your story. Using your stories we'll advocate with the government for an improved system.

What is I Paid A Bribe?

**Bribe Analytics**  
Bribe Reports 15038 Value Rs. 431,239,335

Top 5 Cities (Bribe amount in Rs lakhs)

1129	Bangalore
482	New Delhi
452	Mumbai
202	Hyderabad
175	Chennai

Detailed analysis of the bribes reported so far

### 3. Harness crowdsourcing to improve data accuracy and boost demand.



*Improving the accuracy of open geospatial data in Kenya*

Location	Edit School Info	Data Table	School_Search	School Filter	
▲ ID	School Name	Educational Level	School Status	School Sponsor	Location
18606	ARYA PRIMARY SCH	PRIMARY SCHOOL	PUBLIC	LOCAL GOVERN AUTHORITY	NGARA
18607	ARYA VEDIC PRI SCH	PRIMARY SCHOOL	PRIVATE	COMMUN	NGARA
18608	RIVER BANK PRI SCH	PRIMARY SCHOOL	PUBLIC	LOCAL GOVERN AUTHORITY	NGARA
18609	MURANGA ROAD PRI	PRIMARY SCHOOL	PUBLIC	PRIVATE INDIVIDU	NGARA
18610	CITY PRI SCH	PRIMARY SCHOOL	PUBLIC	LOCAL GOVERN AUTHORITY	NGARA
18994	MOI AVENUE PRI SCH	PRIMARY SCHOOL	PUBLIC	LOCAL GOVERN AUTHORITY	STAREHE

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The World Bank

## Points of Knowledge

Enhancing open data through citizen engagement

Basemaps
Bookmarks
Show Modified Points

**Legend**

- Original school location
- Modified school location
- Original school location that has been modified
- Current selected school to be moved

*Recommendations*

Source: "Open Data Bazaar: Crowdsourcing Solutions to Data Inaccuracy in Kenya." Custer, Rahemtulla, Brigham, Xu (2012)

## 4. Integrate open data with online and offline forms of citizen engagement.



*DRC leverages ICTs such as web and SMS, with in-person meetings to mobilize citizen participation on budget priorities*



Sources: "Can Technology Amplify Citizen Voices?". Custer et al, (2012); "Mobile-Enhanced Participatory Budgeting in DRC", Estefan and Weber (2012).

*Recommendations*



# 4 Tools for Policy Makers to Facilitate Inclusive Participation with Open Data



## 1. A systems approach.



Source: [Open.dta.org](http://open.dta.org)

## 2. Leverage macro and micro data.



<http://i.zdnet.com/blogs/information-silos-and-it-governance-failure.jpg>



Source: <http://www.lgeoresearch.com/the-uk-gov-social-media-awareness-project-launching-at-the-digital-engagement-event/>

## 4. Hybrid platforms for citizen engagement offline and online.



Source: <http://blogs.worldbank.org/ic4d/mobile-enhanced-participatory-budgeting-in-the-drc>