CSE481K/HCDE496 (Winter 2013): Designing Technology for Resource Constrained Environments

weReport

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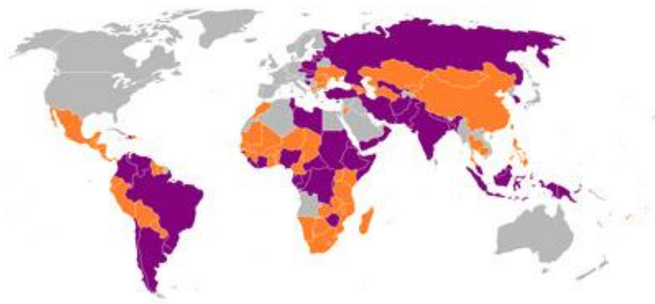
Problem

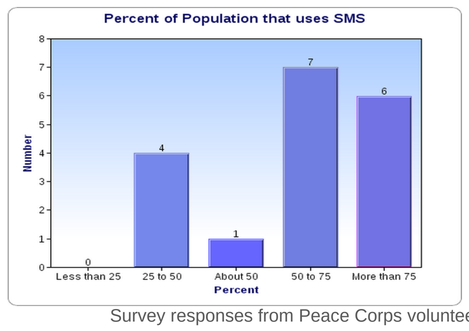


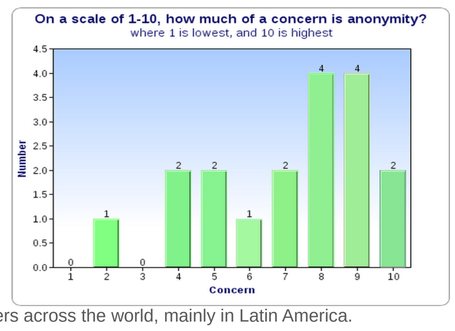
Peace Corps currently serves 68+ countries, $318.8 billion a year on projects

Chlidren in Guatemala at a newly-constructed NGO-sponsored well in their community

- Without community feedback on NGO-sponsored projects, aid money is often not spent in the most effective way.
- Current feedback is often oral or handwritten, informal, and not aggregated as useful data.

Field Work





Survey responses from Peace Corps volunteers across the world, mainly in Latin America.

- SMS is viable in most communities
- Anonymity is of high concern

Major Contacts

Jaron Reed: Former Peace Corps volunteer in Guatemala, originator of weReport concept and main Peace Corps contact.
Todd Huffman: Alive in Afghanistan contributor during election monitoring
Gaetano Boriello: Developer of Open Data Kit

Related Work

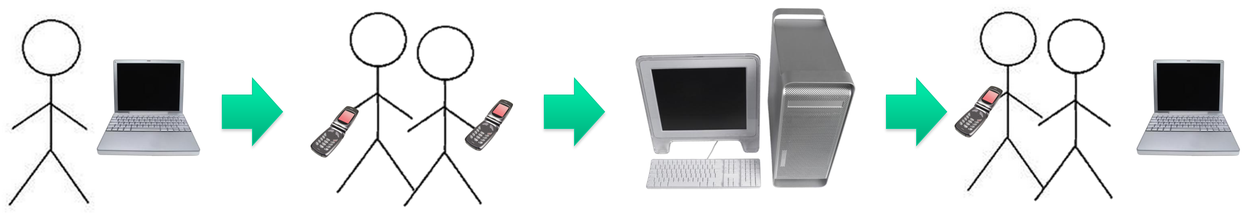
Ushahidi

Alive in Afghanistan
News and Monitoring

- Many other SMS-supporting humanitarian crowdsourcing efforts, including Ushahidi and Alive in Afghanistan
- Many open-source software tools relevant to weReport architecture, including ODK and FrontLine SMS

OPEN DATA KIT

Solution Idea



PCV in community Sends SMS survey to community members

Community Members SMS responses to PCV anonymously

Responses sent to the Peace Corps and made available via the Web

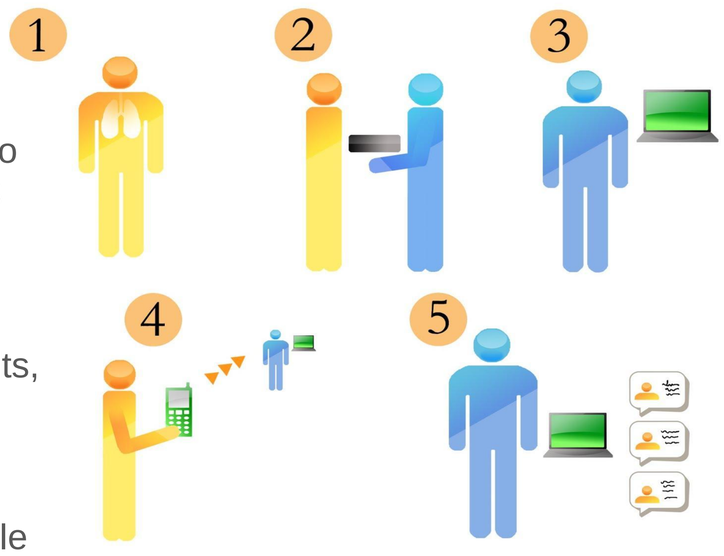
Community, PCV, and the public can access survey results

weReport

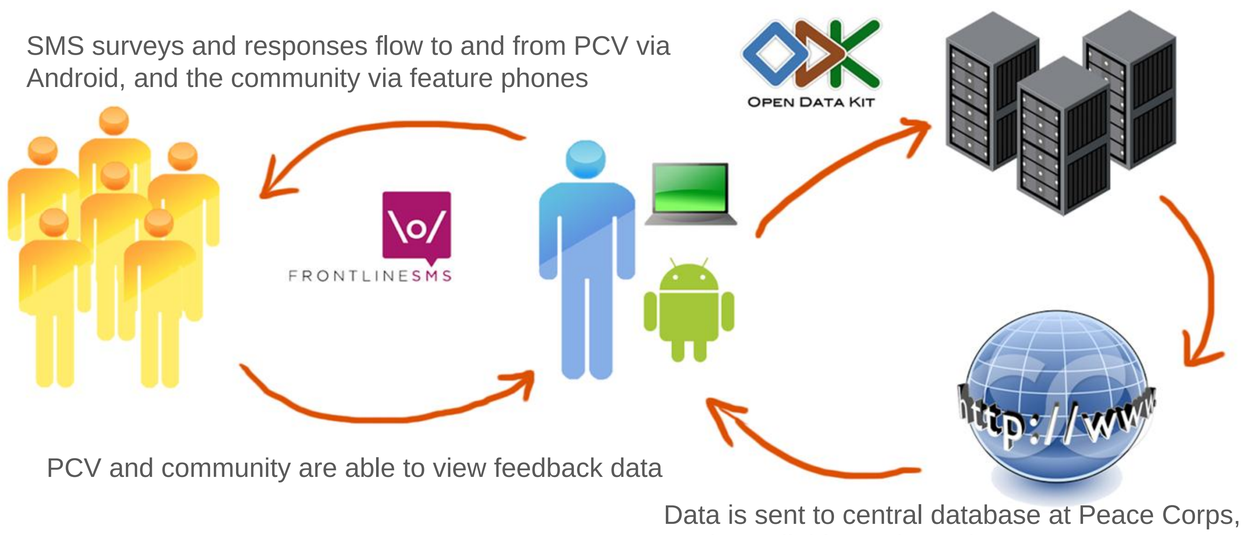
a user-friendly, intuitive platform that will allow NGO-affected communities to publically and anonymously report feedback on development projects using SMS

How Does weReport Work?

1. Proposed NGO project
2. PCV teaches community how to respond via SMS
3. PCV administers survey
4. PCV gathers anonymous results, data aggregated centrally
5. Results made publically available



SMS surveys and responses flow to and from PCV via Android, and the community via feature phones



PCV and community are able to view feedback data

Data is sent to central database at Peace Corps, made available on the web

weReport works almost entirely within existing technology infrastructure.

Spring Quarter Timeline

Week 1-2	Week 3	Week 4	Week 5-6	Week 7-10
ODK	Local Testing	Redesign	Test in Latin America	Data Analysis
SMS	Security	Fully Functional Prototype	Gather Data & Feedback	Re-design
UI Design	& Reliability			Re-evaluate
				Re-implement

http://www.cs.washington.edu/education/courses/cse490d/13wi/