SAMo: Experimenting a Social Accountability Web Platform

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ABSTRACT

The need for transparency and quality control of public services is crucial for a sustainable development of underserved communities. Information and data collection play a significant role in the efforts that NGOs, governments and international institutions are carrying out in this direction. In this paper we describe a platform to conduct assessment campaigns of the quality of public services and its experimentation in the rural district of Moamba, Mozambique.

1. INTRODUCTION

Mobile and web technologies have changed the way in which information flows, the tools Governments have to interact with citizens and how citizens can make their opinions heard by large audiences, get organized and mobilize.

Citizens have been equally good, if not better, at using these tools to try and make themselves heard. See, for example, the role of Internet communication in the events of the Arab Spring [1] or the usage of crowdsourcing platforms like Ushahidi for election monitoring [2]. In all these cases technology has proven to be a powerful tool to help empowering citizens in making their governments more accountable. However, the problem of giving a voice to those who do no have a direct access to mobile and data technologies still exists.

By collecting data about public services we enable citizens to express their opinions on the quality of such services. As a side result, this process helps raising the level of awareness and know-how necessary to empower citizens and make Governments more accountable. For example, knowledge of the proper chain of responsibility in the delivery of a public service and updated information about the status of specific situations can help people exercise a more active citizenship, address their own issues and make governments accountable for those that are outside their reach or responsibility.

This paper describes an initiative sponsored by the World Bank in which we conducted a pilot study aimed at collecting data about primary schools in the rural district of Moamba, Mozambique. On top of the technological challenges related to the development of an effective platform to achieve this goal, we had to mitigate a set of additional constraints typical of a developing country. In particular, we had to deal with the fact that the most of the target beneficiaries of this project were unable to directly interact with the technology an did not have direct access to government officials either.

The organizational model supported by the platform differs from a fully top-down approach (for example, government surveys, in which the information is collected and elaborated centrally) and from a fully bottom-up approach (for example, crowdsourcing, which requires citizens to have access to some technological solution). SAMo fosters a two-level organizations in which assessors become accountable and responsible for collecting information and opinions from citizens, who might not have access to ICTs. This distinguishes SAMo from similar solutions (e.g. Ushahidi) by enforcing a systematic approach for data collection.

The experimentation we conducted largely involved the Maputo Living Lab, whose goal is to build capacity and competences in ICT [3]. The volunteers of this project were trained by Maputo Living Lab and are planned to take ownership of the platform by becoming its maintainers.

2. THE SAMO PLATFORM

SAMo is composed of a Ruby on Rails web application and a mobile application for Android tablets. The web application contains the core engine of SAMo to manage campaigns, assessments, and geo-location services. In addition, it provides an Input/Output interface with the mobile client, a presentation layer and an administration component.

The SAMo Android application (SAMoApp) is the tool used by assessors for the actual data collection on the field during a campaign. In particular, assessors can select a campaign from the list of campaigns assigned to them by a manager, see the details of the selected campaign, compile new assessments for that campaign and finally upload the assessments to the SAMo server. SAMoApp’s User Interface uses essential text and large buttons to ease the input of data in “difficult” conditions and it has been designed to operate in both connected and disconnected environments. In fact, an Internet connection is required for downloading the list of available campaigns and for uploading saved as-
PC  Tablet  tablets allowed us to precisely geolocate all schools and make
The work of the volunteers and the usage of GPS-enabled
ter and finding them in many cases represented a challenge.

distance in kilometers from the closest administrative cen-
tation of schools. The data available to us was limited to the
of citizens.

people voluntarily showing up to be interviewed, it still pro-
pating to the pilot were particularly active in highlighting
lected out of an initial target of 500. The citizens partici-

3. PILOT STUDY

We used SAMo in a pilot study promoted by the World
Bank to collect procurement indicators about primary schools
in the rural district of Moamba, Mozambique. The region
and the targets were chosen not only for their general in-

terest but also for the logistical and technical challenges
they pose. To collect data, we equipped 12 volunteers with
tables and two off-road vehicles and we embedded a soci-
ologist within the interviewers to collect the reactions and
attitude of the participants to the pilot.

Fieldwork started after a preparatory activity with the
target community prepared with the help of district admin-
istrators and through community radios. During a period
of six days, the interviewers visited each target school and
collected assessments from teachers and parents of the kids
enrolled there.

We need to remark that the organizational and logistic
model we adopted for the pilot was largely justified by the
novelty of the initiative and by the project timeframe, which
had to be developed in two months, leaving little opportuni-
ties for a more “decentralized” involvement of resources and
citizens.

The interest shown by the population in the initiative was
higher than expected. A total of 677 interviews were col-
lected out of an initial target of 500. The citizens participi-
ating to the pilot were particularly active in highlighting
issues, proposing solutions, and in general participating to
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people voluntarily showing up to be interviewed, it still pro-
vides some hints about the possible large-scale involvement
of citizens.

A side result of the data collection activity is the geoloca-
tion of schools. The data available to us was limited to the
distance in kilometers from the closest administrative cen-
ter and finding them in many cases represented a challenge.
The work of the volunteers and the usage of GPS-enabled
tables allowed us to precisely geolocate all schools and make

the data available on project’s website1.

4. CONCLUSION

The last few years have seen a fast evolution of systems to
crowdsourse data. However, when the baseline situation is
not known, a more systematic approach to data collection is
required. In such cases a completely top-down Government-
driven approach might be ineffective, while a completely
bottom-up approach is impossible to take (for instance, be-
cause of computer literacy issues or access to resources).

The combination offered by SAMo of a web component
and a mobile component that can work offline offers the
opportunity to collect data in areas with poor or costly data
coverage, while, at the same time, making results available
to a wide audience.

The results of our pilot have given us the opportunity of
experimenting the efficacy of the tool, while, at the same
time, having a glance at the current status of buildings and
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Campaigns as a tool to foster forms of citizens empowerment
to make governments more accountable but also by helping
citizens understand what they can do to improve local ser-

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